

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX051518\
 Data File : VX001715.D
 Acq On : 14 May 2018 17:50
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 5/16/2018 11:54:07 AM

Quant Time: May 15 01:22:35 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X051518W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 15 01:02:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	322329	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	423191	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	375244	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	252797	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	90113	19.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.56%	
35) Dibromofluoromethane	5.51	113	74186	19.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.88%	
50) Toluene-d8	8.72	98	278154	20.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.88%	
62) 4-Bromofluorobenzene	11.14	95	95930	18.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	67221	16.25	ug/l	99
3) Chloromethane	1.32	50	71252	17.37	ug/l	100
4) Vinyl Chloride	1.40	62	77918	18.08	ug/l	98
5) Bromomethane	1.64	94	44003	17.56	ug/l	98
6) Chloroethane	1.73	64	50837	17.97	ug/l	100
7) Trichlorofluoromethane	1.93	101	115072	17.86	ug/l	99
8) Diethyl Ether	2.19	74	46690	18.36	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	67997	17.95	ug/l	99
10) Methyl Iodide	2.51	142	55593	10.93	ug/l	99
11) Tert butyl alcohol	3.08	59	76490	82.09	ug/l	99
12) 1,1-Dichloroethene	2.37	96	65406	18.71	ug/l	98
13) Acrolein	2.29	56	54029	185.69	ug/l	99
14) Allyl chloride	2.73	41	119848	18.36	ug/l	100
15) Acrylonitrile	3.15	53	198899	92.01	ug/l	100
16) Acetone	2.45	43	174835	85.73	ug/l	99
17) Carbon Disulfide	2.57	76	158855	17.88	ug/l	98
18) Methyl Acetate	2.78	43	104354	19.08	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	223124	18.33	ug/l	99
20) Methylene Chloride	2.86	84	72667	17.81	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	69838	17.87	ug/l	96
22) Diisopropyl ether	3.88	45	226087	18.45	ug/l	99
23) Vinyl Acetate	3.83	43	763721	77.20	ug/l	100
24) 1,1-Dichloroethane	3.70	63	125030	18.37	ug/l	99
25) 2-Butanone	4.71	43	268410	90.07	ug/l	99
26) 2,2-Dichloropropane	4.59	77	101962	19.29	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	79513	18.89	ug/l	99
28) Bromochloromethane	5.03	49	59848	19.98	ug/l	98
29) Tetrahydrofuran	5.17	42	171122	89.49	ug/l	100
30) Chloroform	5.22	83	134055	19.02	ug/l	99
31) Cyclohexane	5.58	56	111471	18.90	ug/l	98
32) 1,1,1-Trichloroethane	5.50	97	116837	18.99	ug/l	99
36) 1,1-Dichloropropene	5.81	75	97652	18.41	ug/l	100
37) Ethyl Acetate	4.87	43	103710	17.97	ug/l	99
38) Carbon Tetrachloride	5.79	117	104871	18.66	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	116744	18.62	ug/l	98
40) Benzene	6.15	78	296402	19.14	ug/l	100
41) Methacrylonitrile	5.07	41	59848	18.07	ug/l	98
42) 1,2-Dichloroethane	6.20	62	109209	18.53	ug/l	100
43) Isopropyl Acetate	6.48	43	161965	18.26	ug/l	100
44) Trichloroethene	7.22	130	89761	18.86	ug/l	98
45) 1,2-Dichloropropane	7.52	63	73558	19.04	ug/l	99
46) Dibromomethane	7.67	93	50315	18.47	ug/l	99
47) Bromodichloromethane	7.90	83	94001	18.66	ug/l	97
48) Methyl methacrylate	7.78	41	85657	17.80	ug/l	98
49) 1,4-Dioxane	7.76	88	32542	319.73	ug/l	99
51) 4-Methyl-2-Pentanone	8.66	43	534010	90.89	ug/l	99
52) Toluene	8.79	92	194234	19.18	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	111902	19.55	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	95368	18.56	ug/l	100
55) 1,1,2-Trichloroethane	9.22	97	73257	18.12	ug/l	98
56) Ethyl methacrylate	9.19	69	104107	17.93	ug/l	99
57) 1,3-Dichloropropane	9.38	76	122987	18.43	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	272927	94.90	ug/l	100
59) 2-Hexanone	9.50	43	387325	87.17	ug/l	99
60) Dibromochloromethane	9.59	129	74246	18.05	ug/l	100
61) 1,2-Dibromoethane	9.68	107	78458	18.54	ug/l	100
64) Tetrachloroethene	9.34	164	101401	19.63	ug/l	99
65) Chlorobenzene	10.15	112	211991	19.48	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	76809	19.79	ug/l	97
67) Ethyl Benzene	10.26	91	344259	19.32	ug/l	98
68) m/p-Xylenes	10.37	106	274842	39.08	ug/l	99
69) o-Xylene	10.71	106	130954	19.21	ug/l	98
70) Styrene	10.72	104	219246	19.76	ug/l	99
71) Bromoform	10.87	173	58939	18.57	ug/l	99
73) Isopropylbenzene	11.02	105	353753	20.26	ug/l	100
74) N-amyl acetate	6.48	43	161965	20.20	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	102243	19.84	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	100810m	19.66	ug/l	
77) Bromobenzene	11.26	156	101572	19.94	ug/l	99
78) n-propylbenzene	11.37	91	398135	20.90	ug/l	99
79) 2-Chlorotoluene	11.43	91	236529	20.25	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	293957	20.25	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	27368	20.24	ug/l	92
82) 4-Chlorotoluene	11.52	91	278387	20.64	ug/l	99
83) tert-Butylbenzene	11.77	119	281838	19.58	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	305212	20.46	ug/l	99
85) sec-Butylbenzene	11.95	105	355686	20.50	ug/l	100
86) p-Isopropyltoluene	12.07	119	330024	20.78	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	184959	20.35	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	187526	20.22	ug/l	99
89) n-Butylbenzene	12.40	91	275974	20.83	ug/l	100
90) Hexachloroethane	12.60	117	47925	19.82	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	184447	19.99	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	21742	19.28	ug/l	100

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ClientSampleId :
VSTDICC020

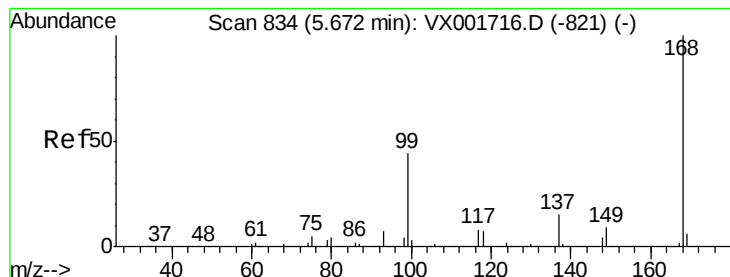
Manual Integrations
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Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X051518W.M
Quant Title : SW846 8260
QLast Update : Tue May 15 01:02:23 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	140242	20.53	ug/l	99
94) Hexachlorobutadiene	13.79	225	76543	20.50	ug/l	99
95) Naphthalene	13.84	128	385920	20.57	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	143941	20.63	ug/l	100

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



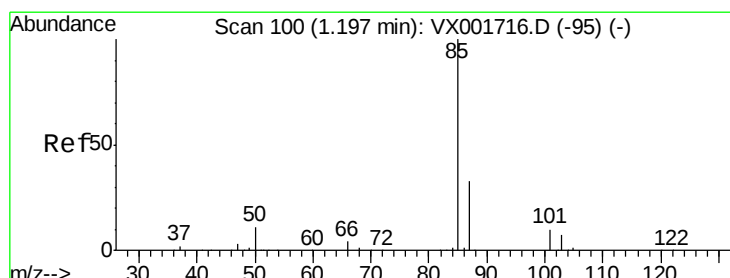
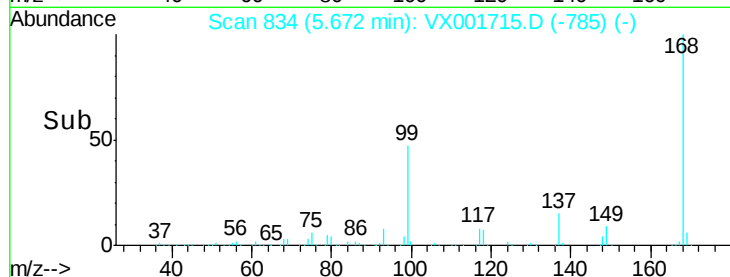
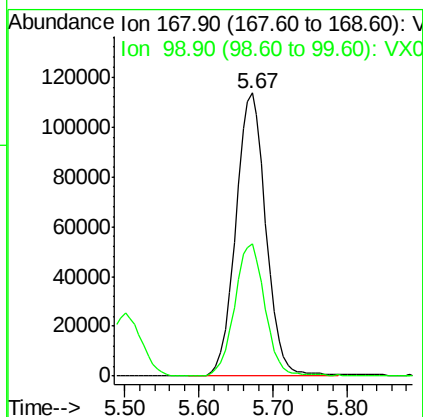
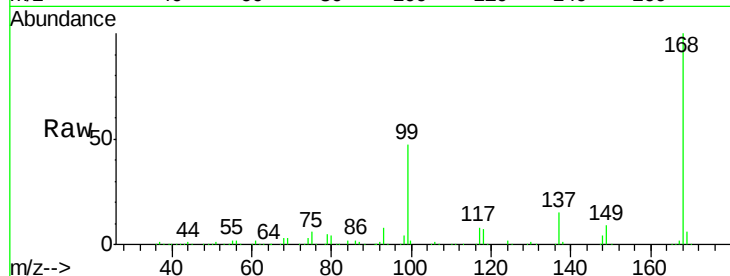
#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.67 min Scan# 834
Delta R.T. -0.00 min
Lab File: VX001715.D
Acq: 14 May 2018 17:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
168	100			
99	46.5	35.0	52.4	

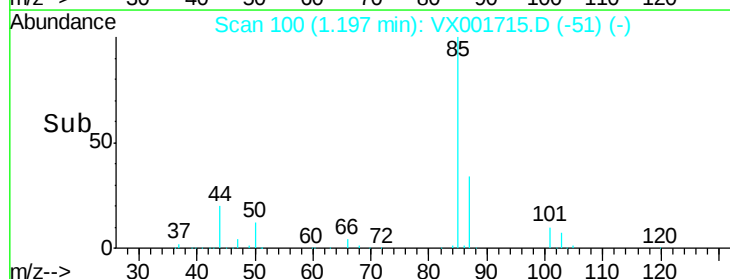
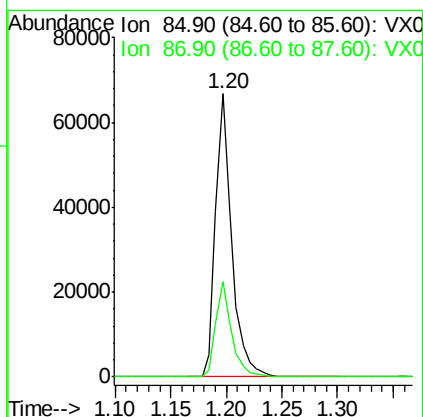
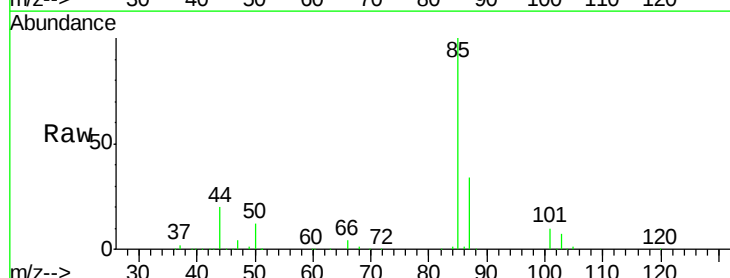
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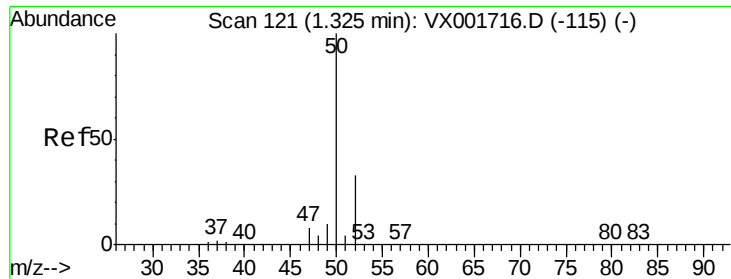
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#2
Dichlorodifluoromethane
Concen: 16.25 ug/l
RT: 1.20 min Scan# 100
Delta R.T. -0.00 min
Lab File: VX001715.D
Acq: 14 May 2018 17:50

Tgt Ion	Ion	Ratio	Lower	Upper
85	100			
87	33.5	16.4	49.2	





#3

Chloromethane

Concen: 17.37 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX001715.D

Acq: 14 May 2018 17:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 71252

Ion Ratio Lower Upper

50 100

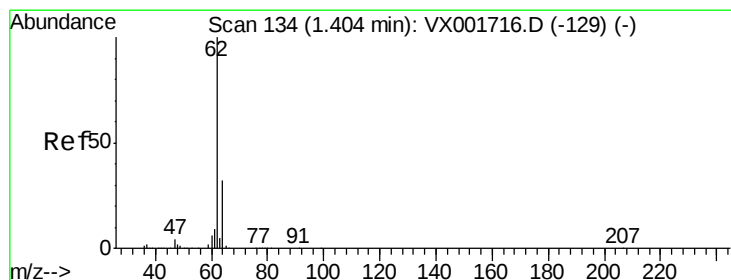
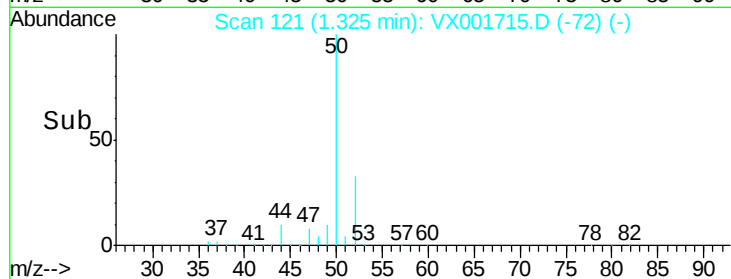
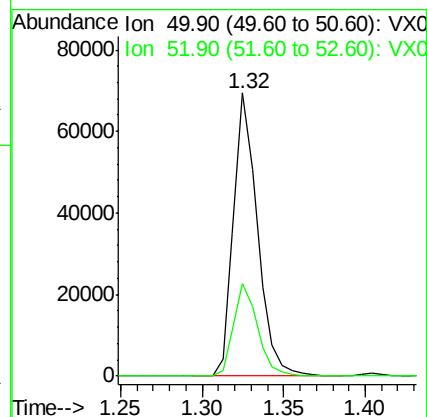
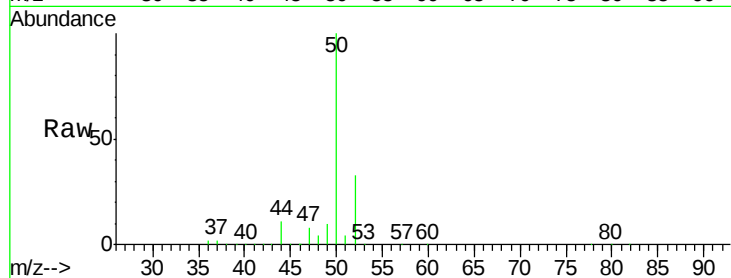
52 32.7 26.3 39.5

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#4

Vinyl Chloride

Concen: 18.08 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX001715.D

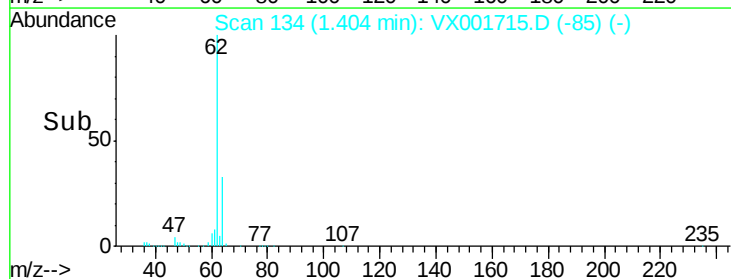
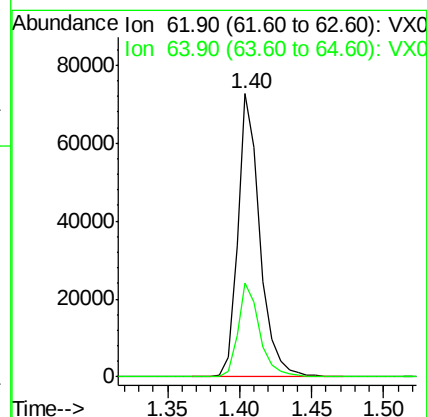
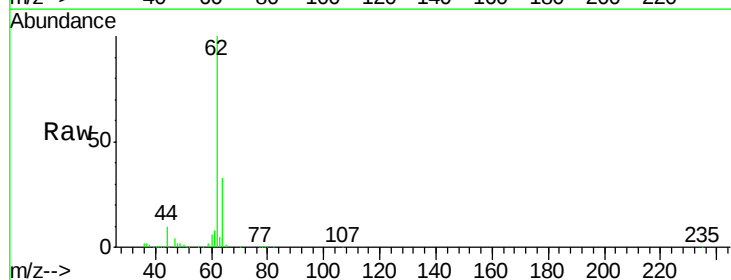
Acq: 14 May 2018 17:50

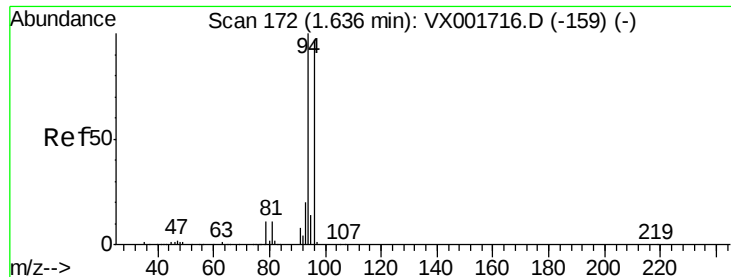
Tgt Ion: 62 Resp: 77918

Ion Ratio Lower Upper

62 100

64 33.0 25.6 38.4





#5

Bromomethane

Concen: 17.56 ug/l

RT: 1.64 min Scan# 173

Delta R.T. 0.01 min

Lab File: VX001715.D

Acq: 14 May 2018 17:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 44003

Ion Ratio Lower Upper

94 100

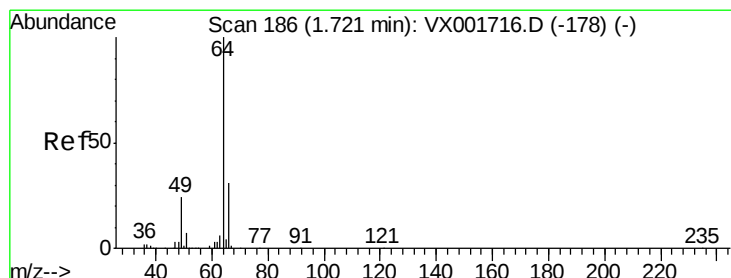
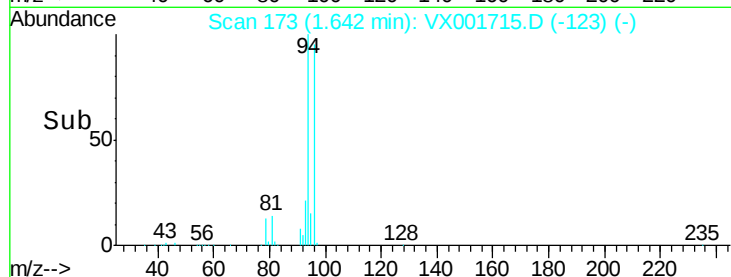
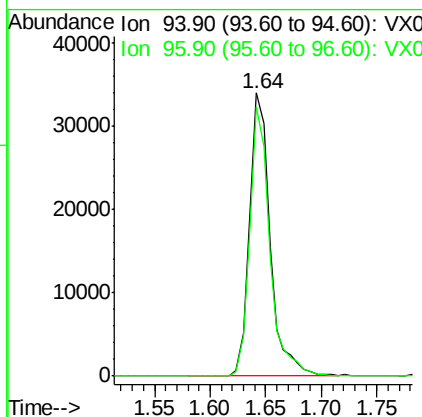
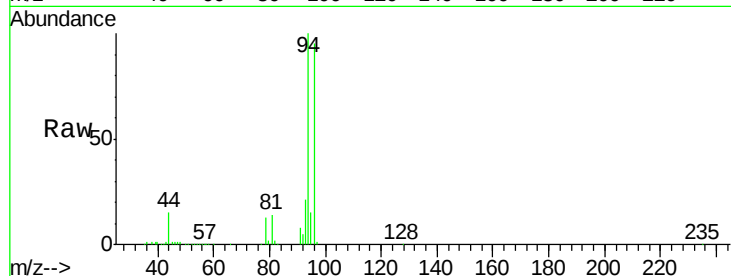
96 95.0 77.4 116.0

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#6

Chloroethane

Concen: 17.97 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX001715.D

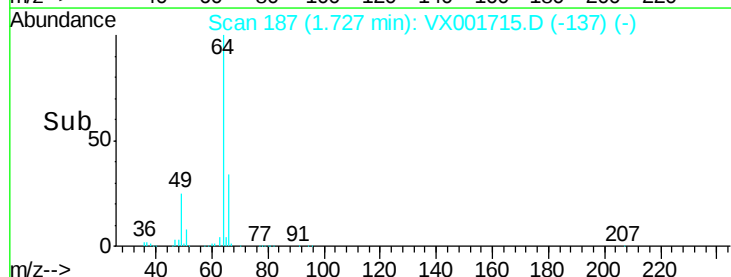
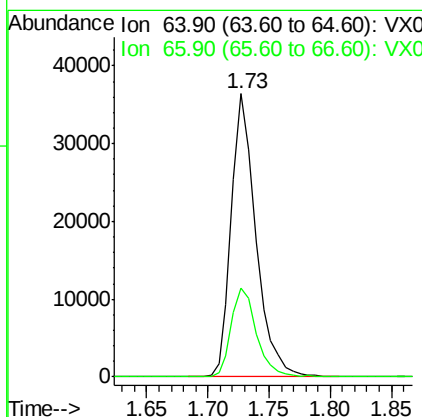
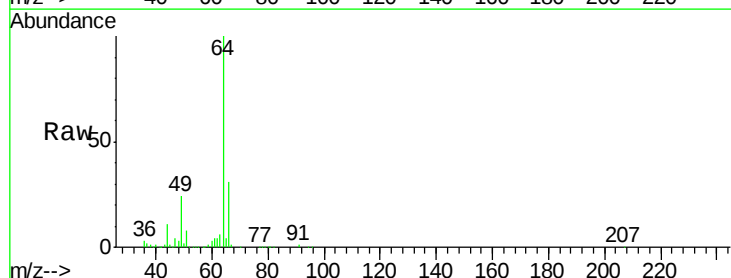
Acq: 14 May 2018 17:50

Tgt Ion: 64 Resp: 50837

Ion Ratio Lower Upper

64 100

66 31.2 25.2 37.8





#7

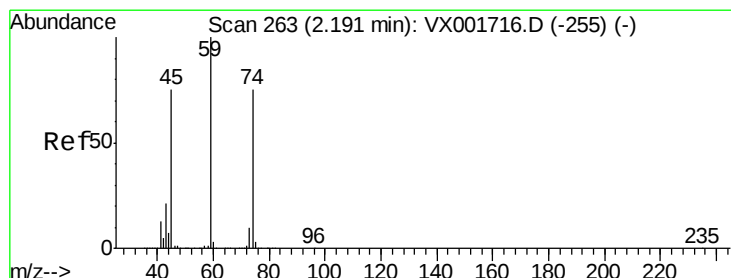
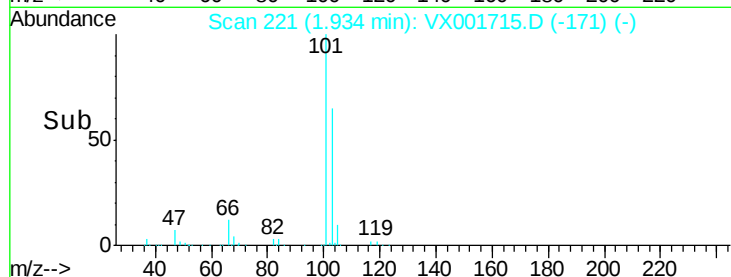
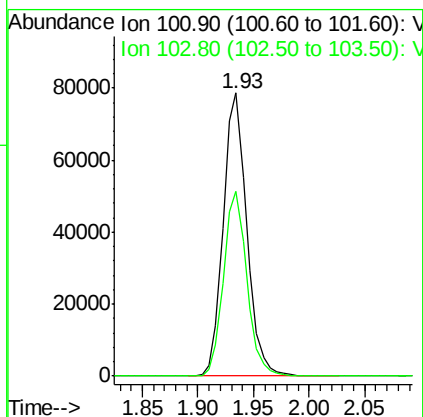
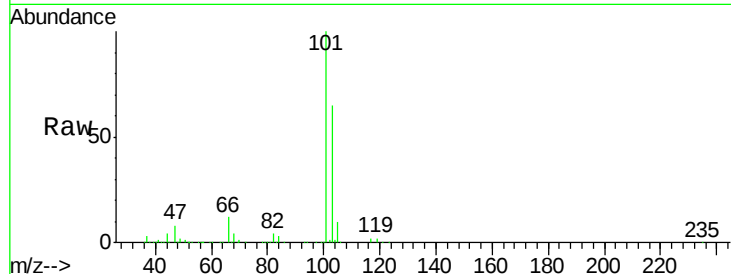
Trichlorofluoromethane
Concen: 17.86 ug/l
RT: 1.93 min Scan# 221
Delta R.T. 0.01 min
Lab File: VX001715.D
Acq: 14 May 2018 17:50

Instrument :
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	115072		
103	65.1	52.6	78.8	

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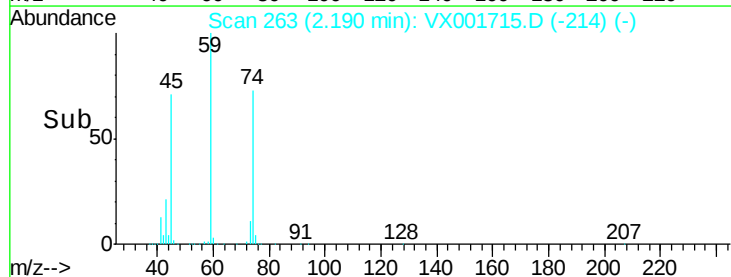
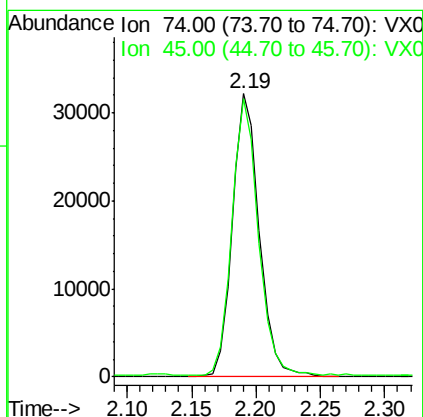
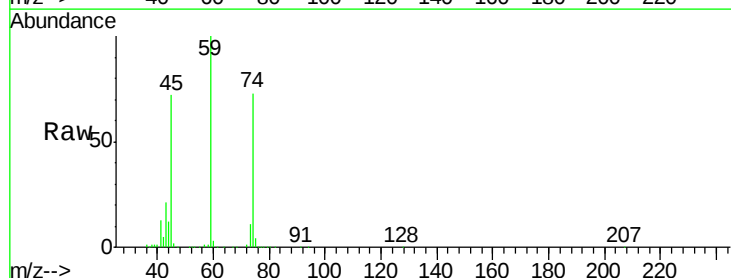
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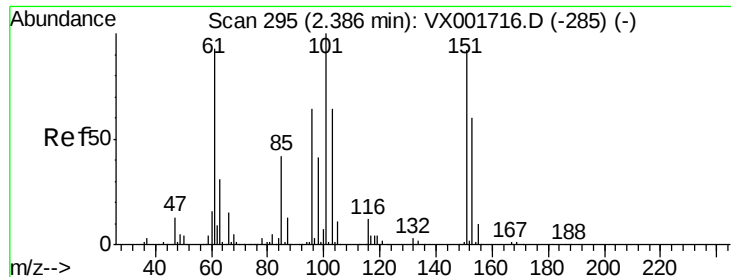


#8

Diethyl Ether
Concen: 18.36 ug/l
RT: 2.19 min Scan# 263
Delta R.T. -0.00 min
Lab File: VX001715.D
Acq: 14 May 2018 17:50

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	46690		
45	96.6	50.0	149.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.95 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.00 min

Lab File: VX001715.D

Acq: 14 May 2018 17:50

Instrument :

MSVOA_X

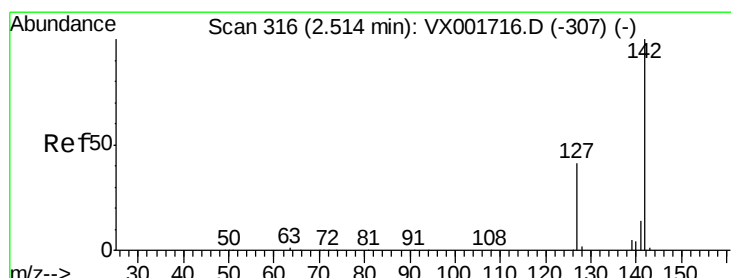
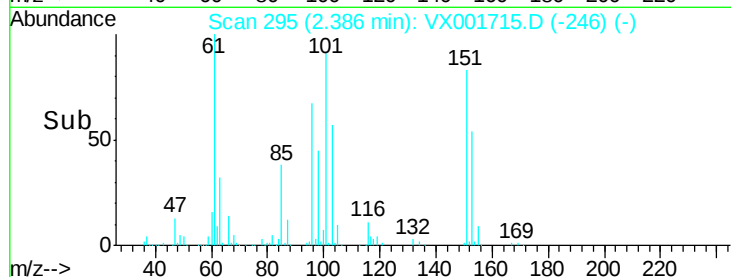
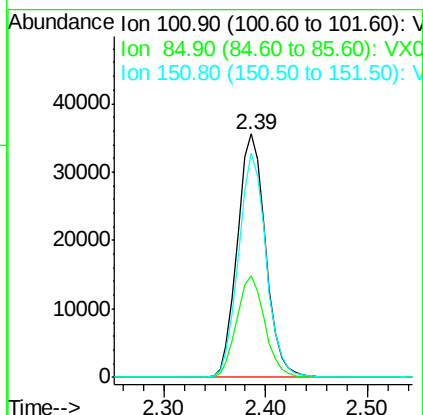
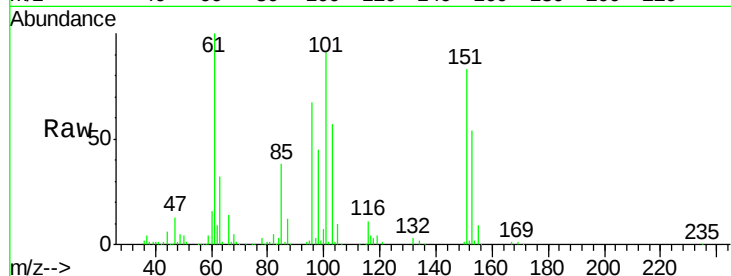
ClientSampleId :

VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
101	100	67997		
85	41.7	33.7	50.5	
151	90.4	73.0	109.6	

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#10

Methyl Iodide

Concen: 10.93 ug/l

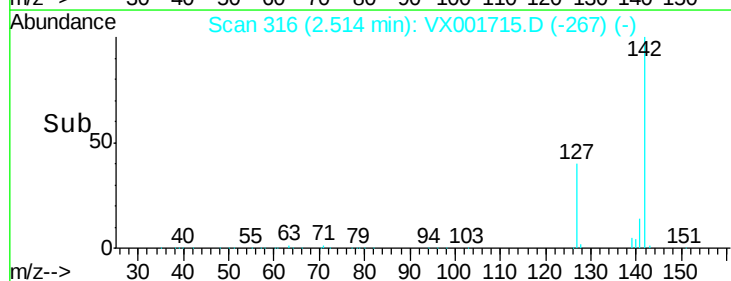
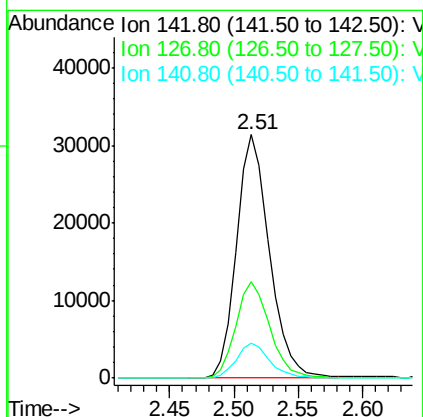
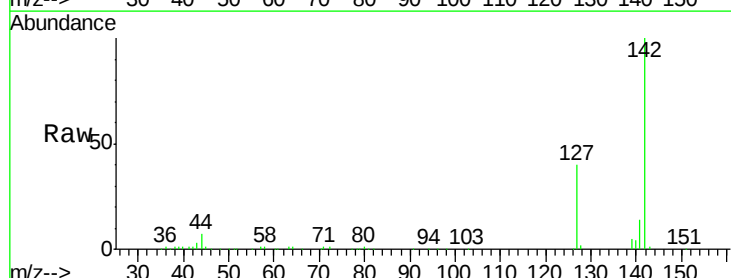
RT: 2.51 min Scan# 316

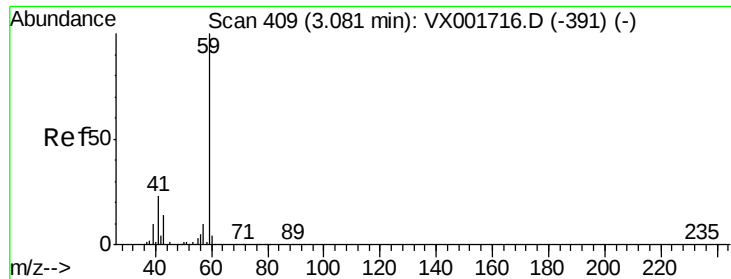
Delta R.T. -0.00 min

Lab File: VX001715.D

Acq: 14 May 2018 17:50

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	55593		
127	41.1	32.5	48.7	
141	14.6	11.4	17.0	





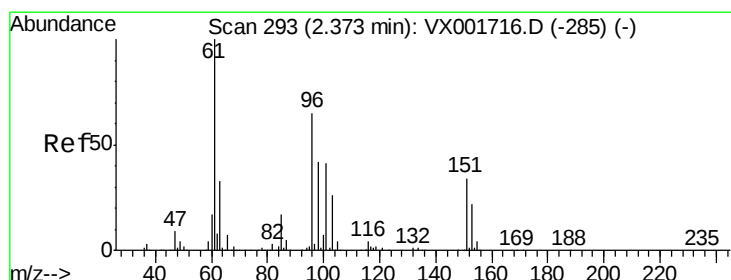
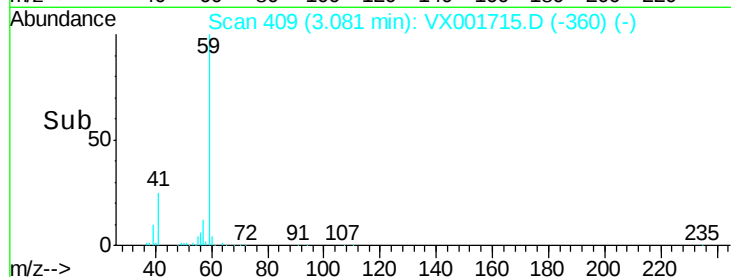
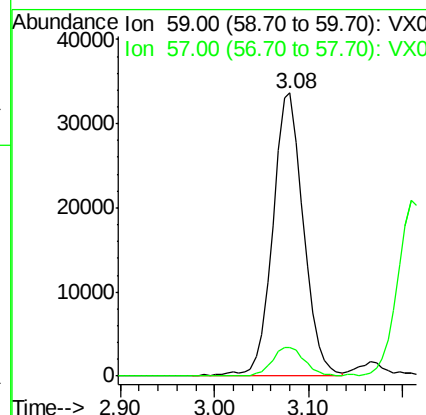
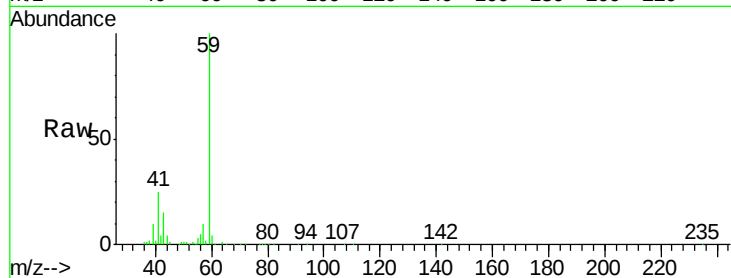
#11
Tert butyl alcohol
Concen: 82.09 ug/l
RT: 3.08 min Scan# 409
Delta R.T. -0.00 min
Lab File: VX001715.D
Acq: 14 May 2018 17:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	59	Resp	76490
Ion Ratio	100	Lower	Upper
57	10.9	8.5	12.7

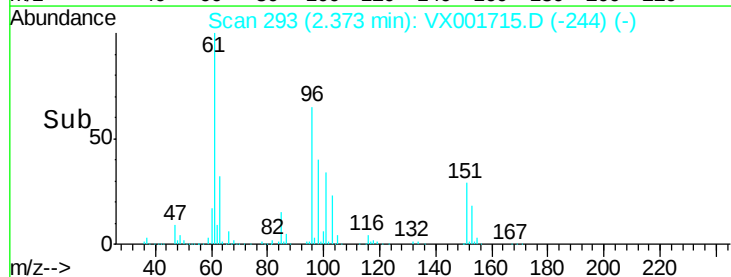
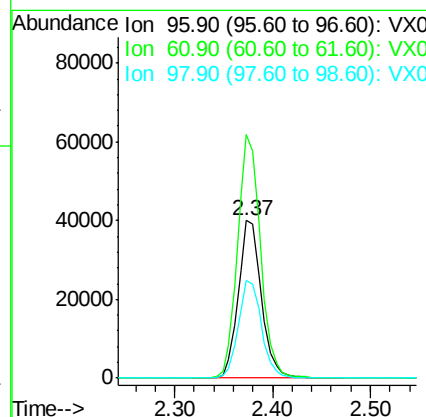
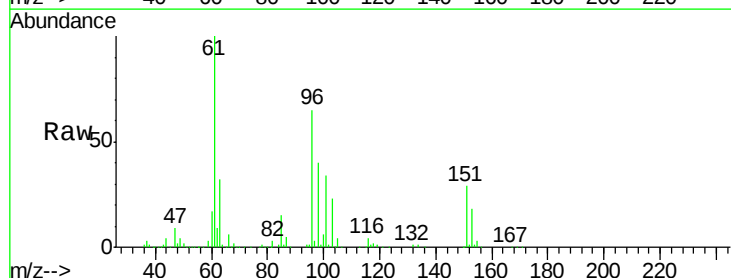
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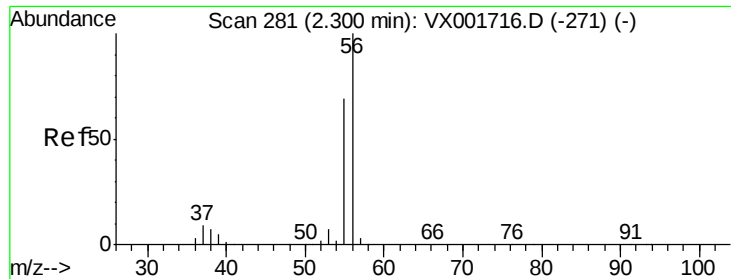
MMDadoda
5/16/2018 11:54:07 AM



#12
1,1-Dichloroethene
Concen: 18.71 ug/l
RT: 2.37 min Scan# 293
Delta R.T. -0.00 min
Lab File: VX001715.D
Acq: 14 May 2018 17:50

Tgt Ion	96	Resp	65406
Ion Ratio	100	Lower	Upper
61	154.8	122.2	183.2
98	62.0	51.4	77.0





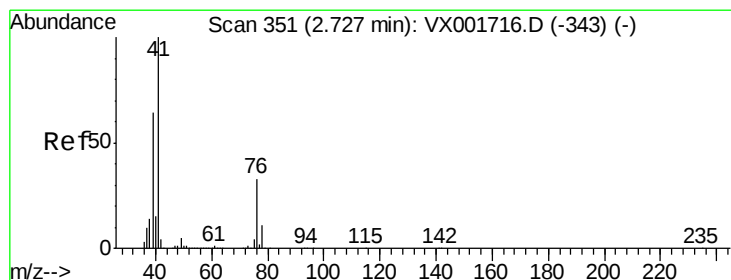
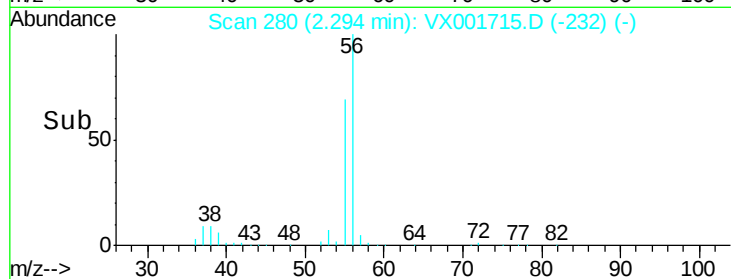
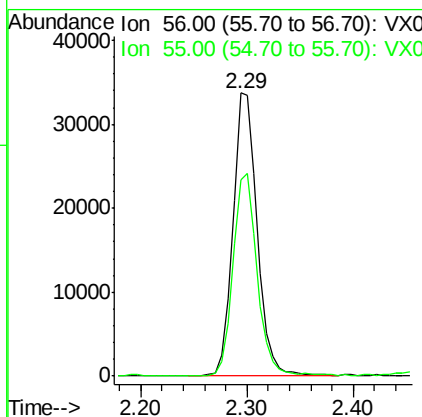
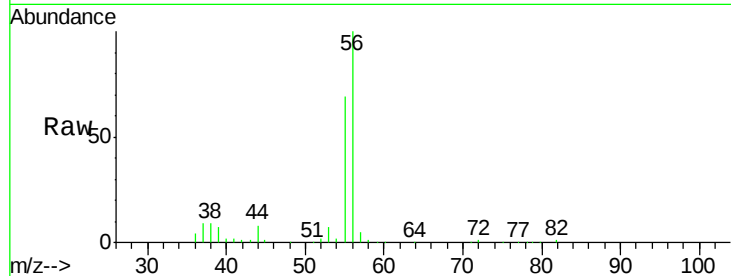
#13
Acrolein
Concen: 185.69 ug/l
RT: 2.29 min Scan# 280
Delta R.T. -0.01 min
Lab File: VX001715.D
Acq: 14 May 2018 17:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
56	100		
55	71.2	56.2	84.2

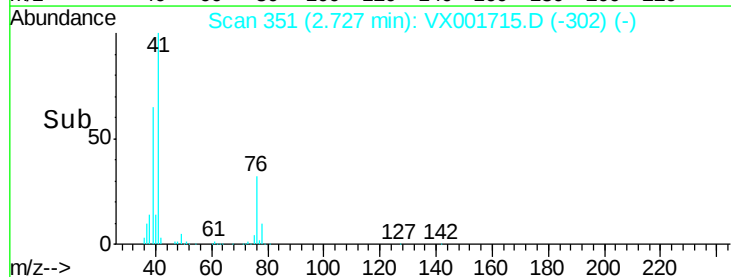
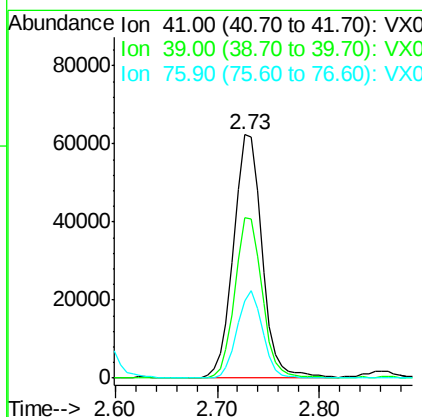
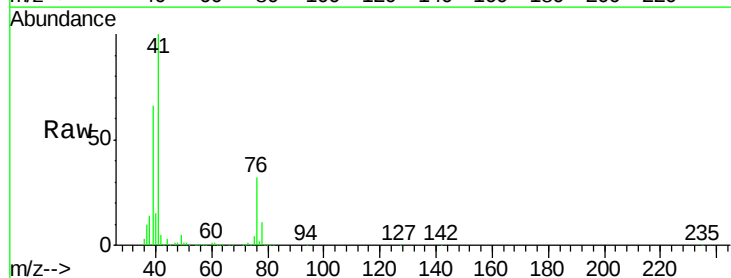
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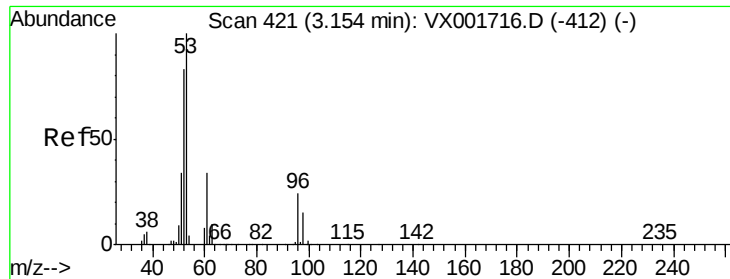
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#14
Allyl chloride
Concen: 18.36 ug/l
RT: 2.73 min Scan# 351
Delta R.T. -0.00 min
Lab File: VX001715.D
Acq: 14 May 2018 17:50

Tgt Ion	Ratio	Lower	Upper
41	100		
39	62.6	49.8	74.6
76	32.5	25.8	38.8





#15

Acrylonitrile

Concen: 92.01 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX001715.D

Acq: 14 May 2018 17:50

Instrument :

MSVOA_X

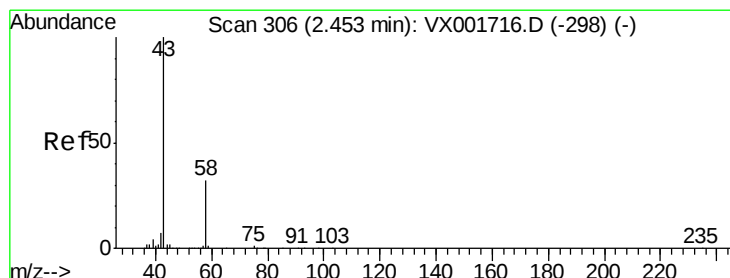
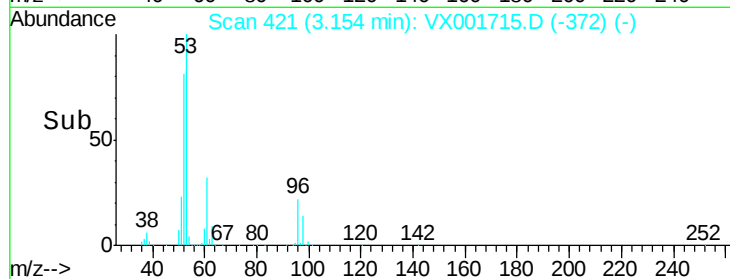
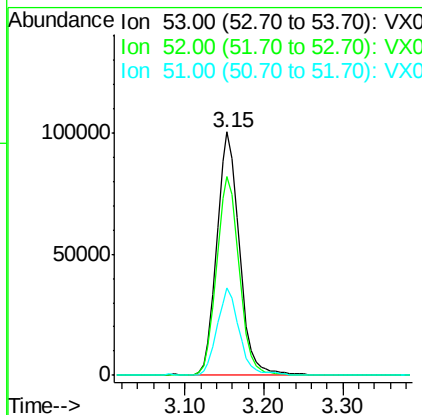
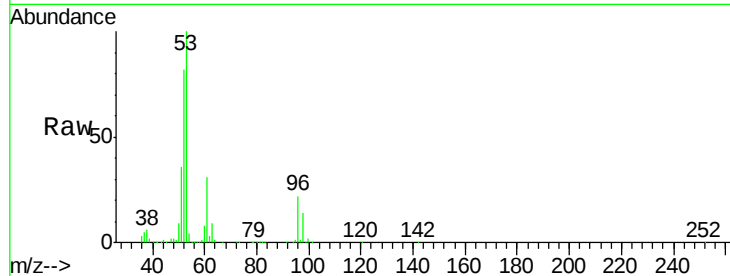
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	198899
Ion Ratio	Lower	Upper	
53	100		
52	82.2	65.6	98.4
51	35.4	28.1	42.1

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#16

Acetone

Concen: 85.73 ug/l

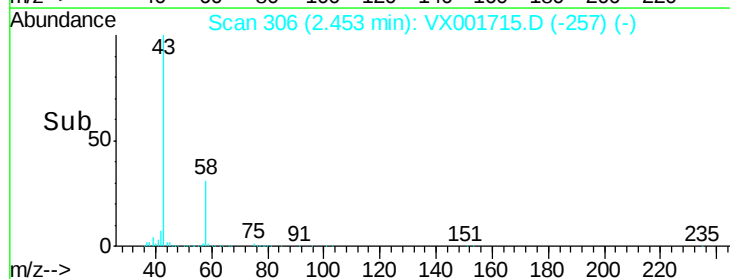
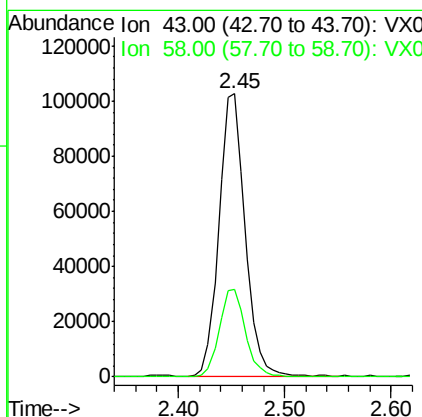
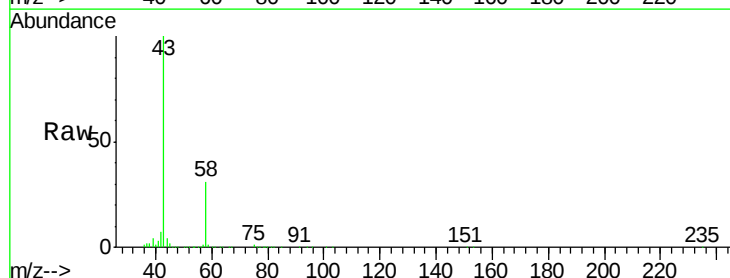
RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX001715.D

Acq: 14 May 2018 17:50

Tgt Ion:	43	Resp:	174835
Ion Ratio	Lower	Upper	
43	100		
58	31.1	25.3	37.9





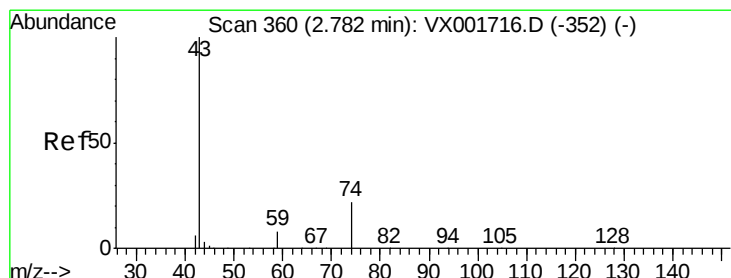
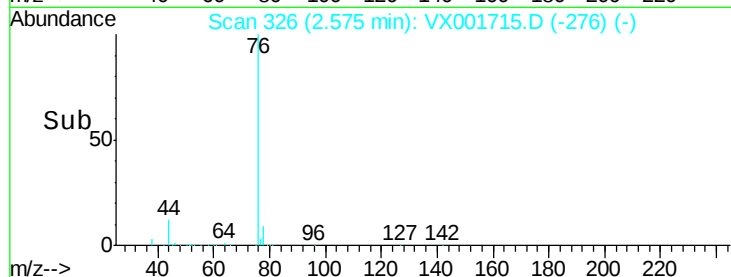
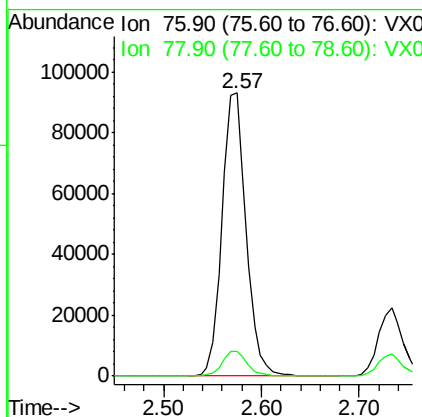
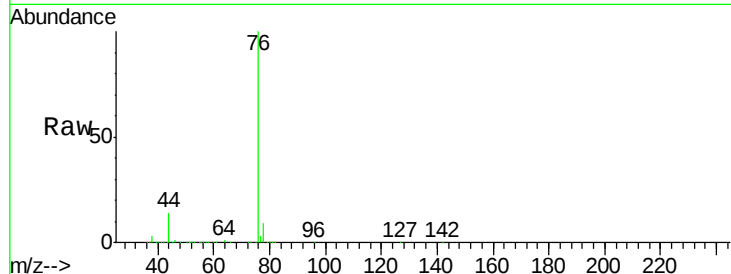
#17
Carbon Disulfide
Concen: 17.88 ug/l
RT: 2.57 min Scan# 326
Delta R.T. 0.01 min
Lab File: VX001715.D
Acq: 14 May 2018 17:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.6	11.4

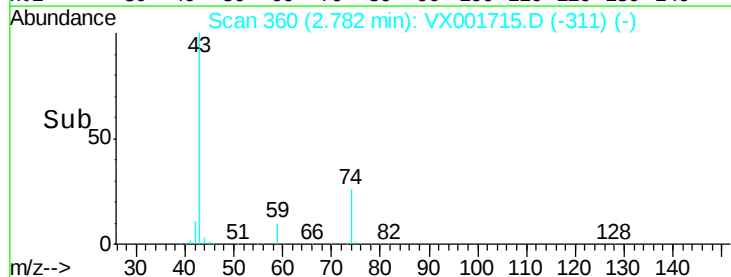
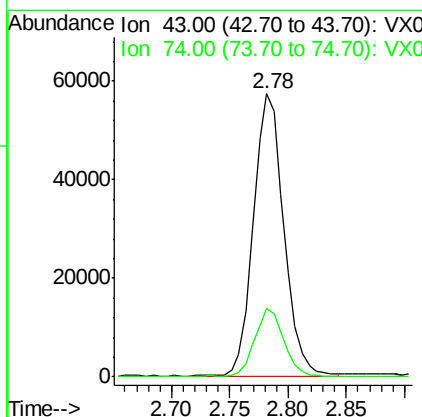
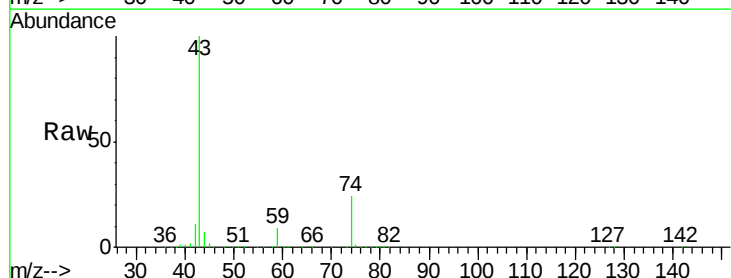
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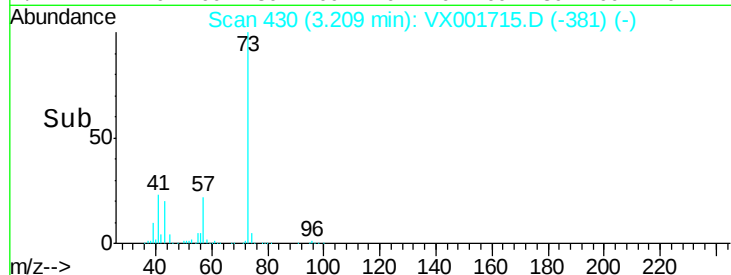
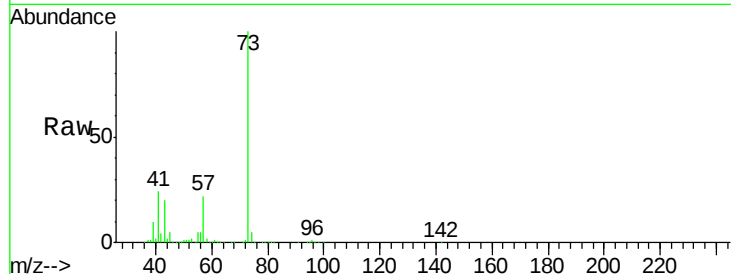
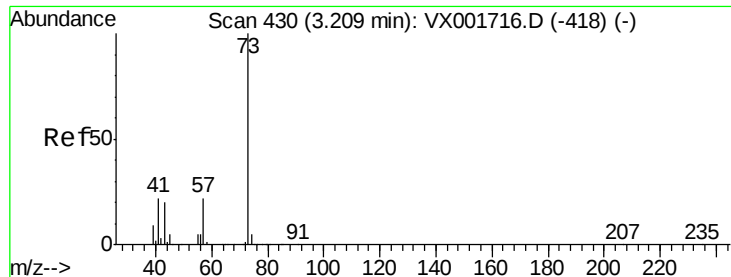
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#18
Methyl Acetate
Concen: 19.08 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.00 min
Lab File: VX001715.D
Acq: 14 May 2018 17:50

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.5	18.2	27.2





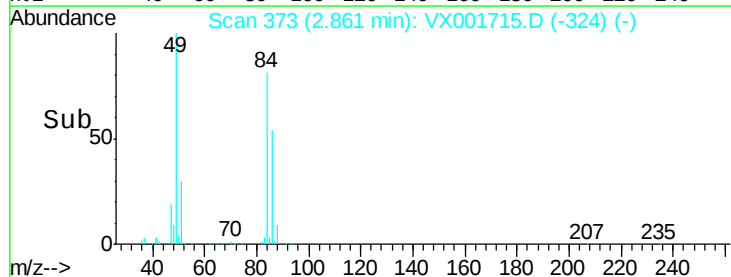
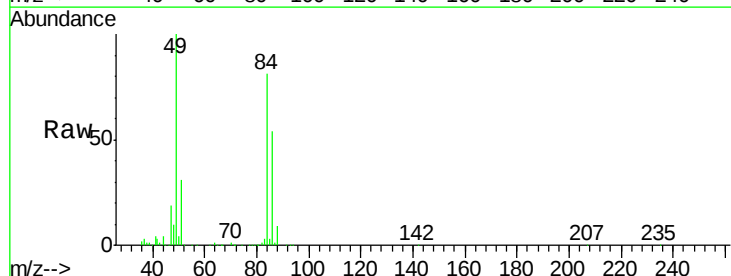
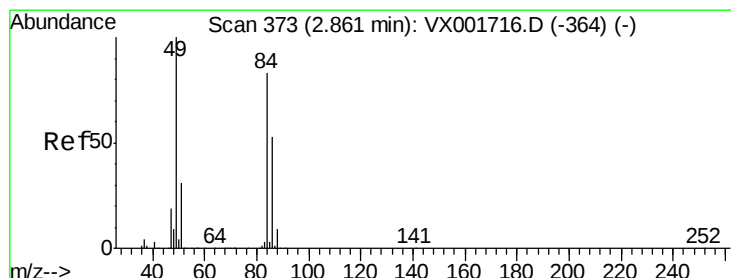
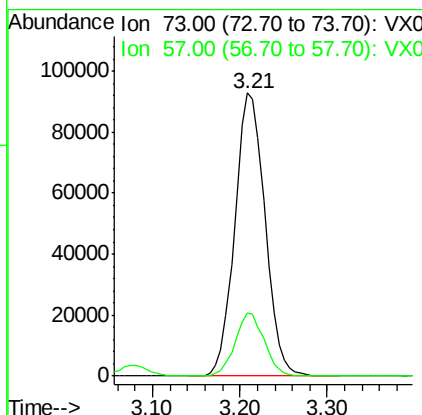
#19
Methvl tert-butvl Ether
Concen: 18.33 ug/l
RT: 3.21 min Scan# 430
Delta R.T. -0.00 min
Lab File: VX001715.D
Acq: 14 May 2018 17:50

Tot Ion	73	Resp	223124
Ion Ratio	100	Lower	Upper
73	100		
57	22.4	17.5	26.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

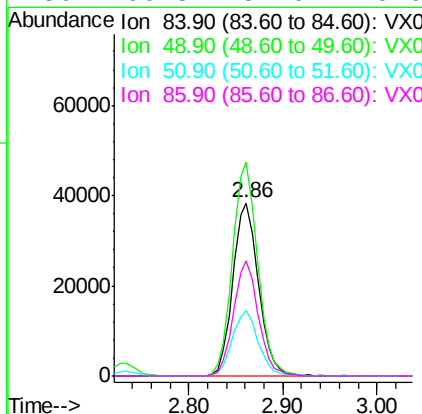
Manual Integrations
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#20
Methylene Chloride
Concen: 17.81 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.00 min
Lab File: VX001715.D
Acq: 14 May 2018 17:50

Tgt Ion	84	Resp	72667
Ion Ratio	100	Lower	Upper
84	100		
49	123.5	96.3	144.5
51	37.8	29.8	44.6
86	66.3	51.0	76.6





#21

trans-1,2-Dichloroethene

Concen: 17.87 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX001715.D

Acq: 14 May 2018 17:50

Instrument :

MSVOA_X

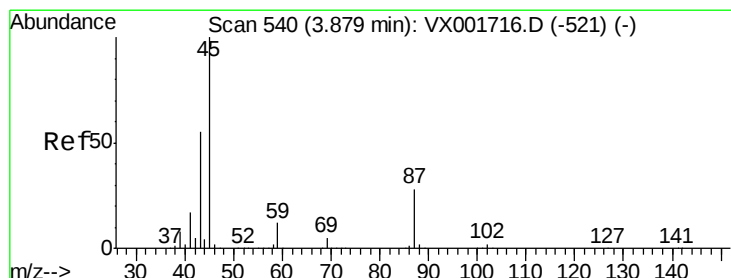
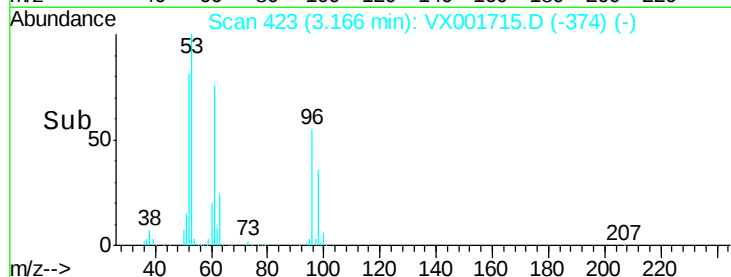
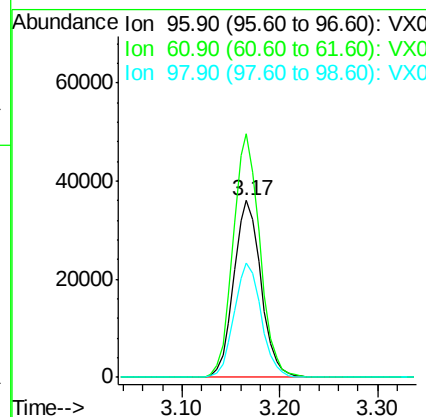
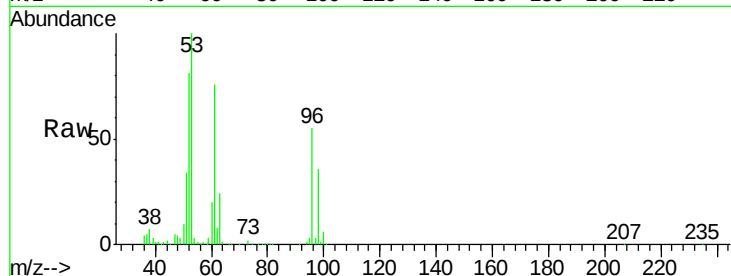
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	69838
Ion	Ratio	Lower	Upper
96	100		
61	137.8	105.8	158.8
98	65.0	50.2	75.4

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#22

Diisopropyl ether

Concen: 18.45 ug/l

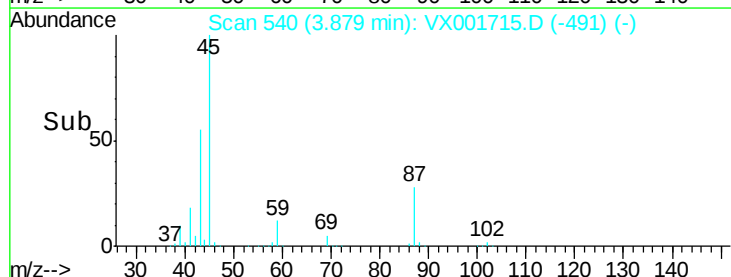
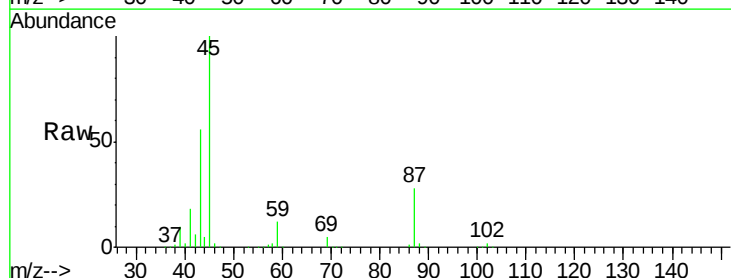
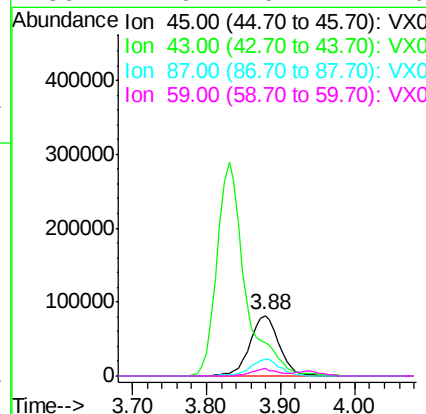
RT: 3.88 min Scan# 540

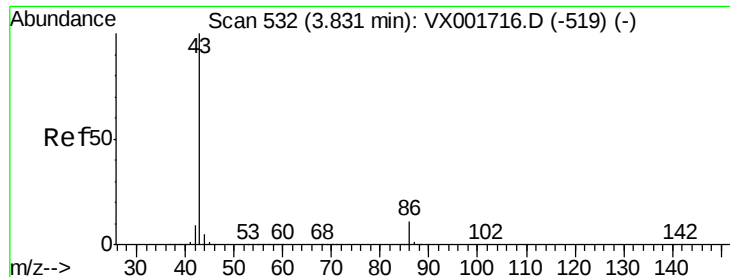
Delta R.T. -0.00 min

Lab File: VX001715.D

Acq: 14 May 2018 17:50

Tgt Ion:	45	Resp:	226087
Ion	Ratio	Lower	Upper
45	100		
43	54.6	44.3	66.5
87	27.8	22.6	33.8
59	11.9	9.4	14.0





#23

Vinyl Acetate

Concen: 77.20 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX001715.D

Acq: 14 May 2018 17:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 763721

Ion Ratio Lower Upper

43 100

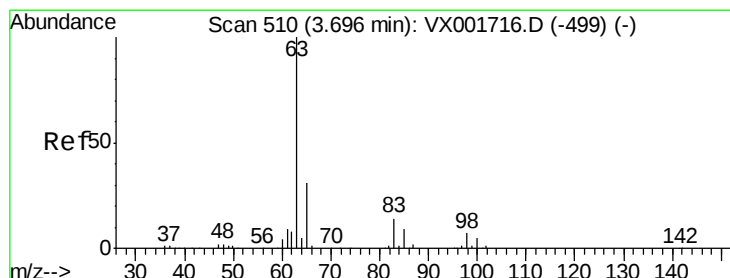
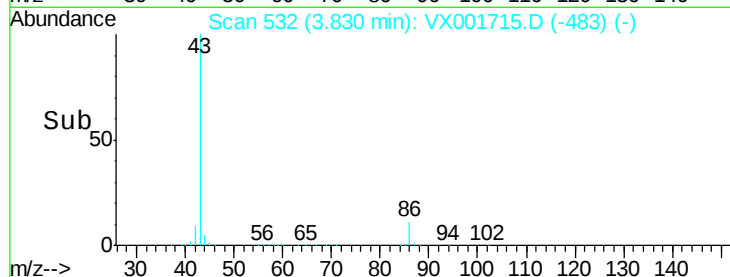
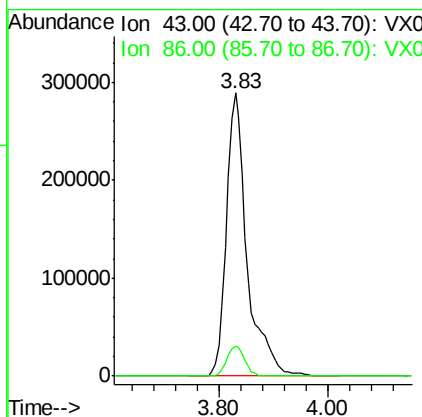
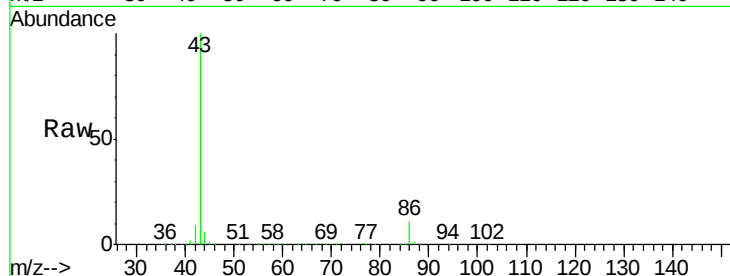
86 10.8 8.7 13.1

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#24

1,1-Dichloroethane

Concen: 18.37 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX001715.D

Acq: 14 May 2018 17:50

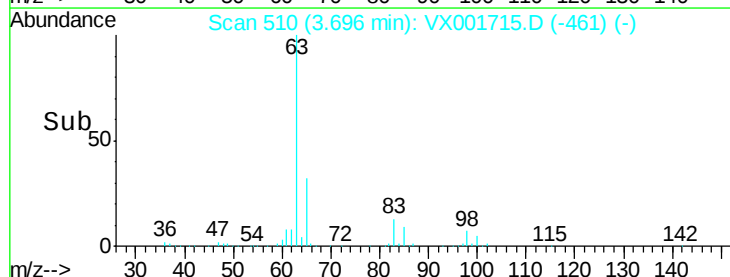
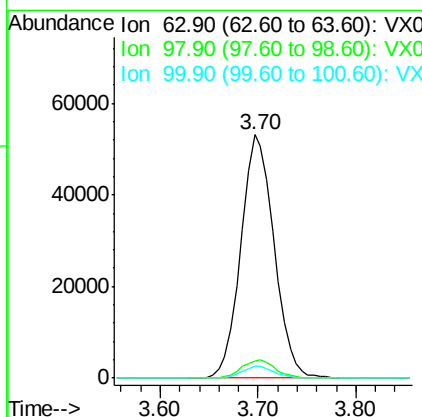
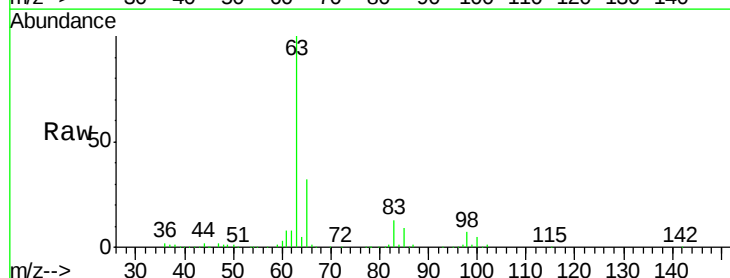
Tgt Ion: 63 Resp: 125030

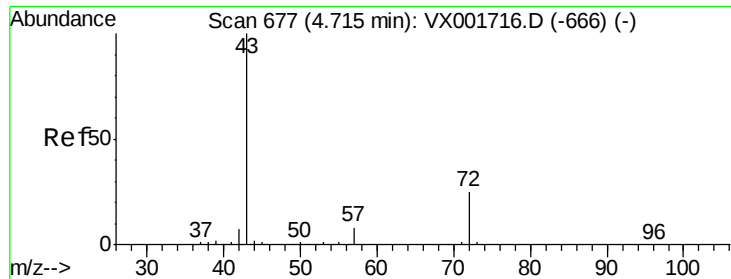
Ion Ratio Lower Upper

63 100

98 7.2 3.7 11.1

100 5.0 2.4 7.2





#25

2-Butanone

Concen: 90.07 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.00 min

Lab File: VX001715.D

Acq: 14 May 2018 17:50

Tot Ion: 43 Resp: 268410

Ion Ratio Lower Upper

43 100

72 25.1 19.8 29.6

Instrument :

MSVOA_X

ClientSampleId :

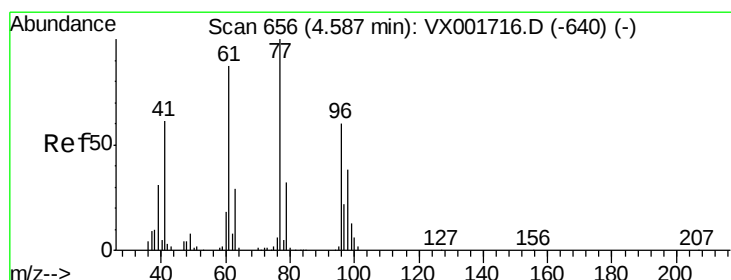
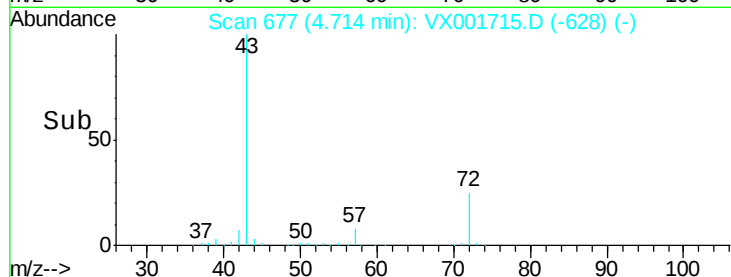
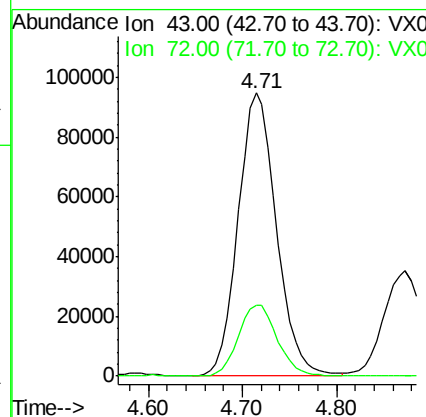
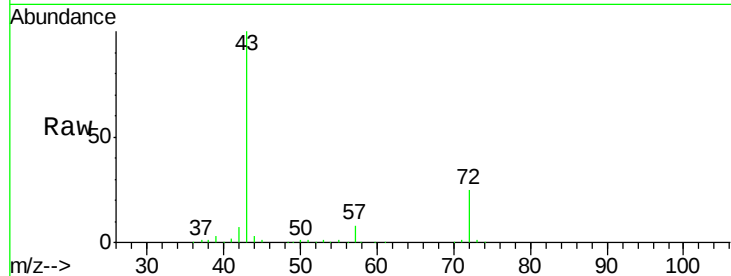
VSTDIC020

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#26

2,2-Dichloropropane

Concen: 19.29 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX001715.D

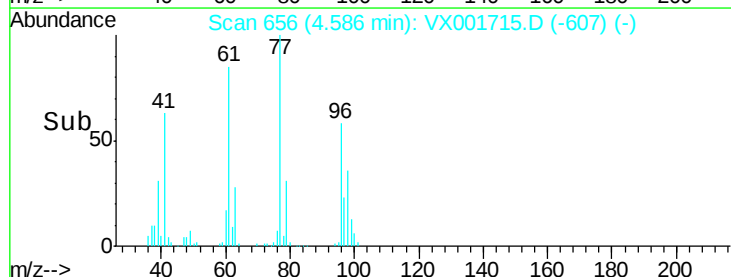
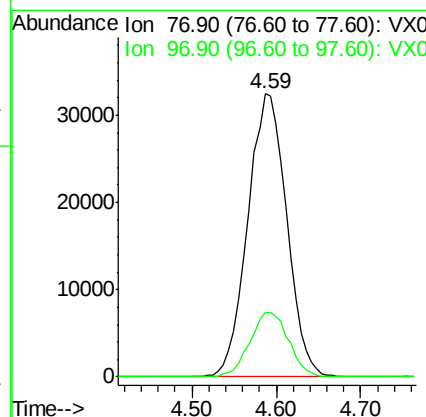
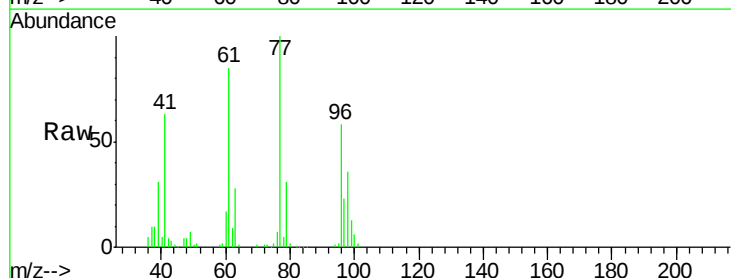
Acq: 14 May 2018 17:50

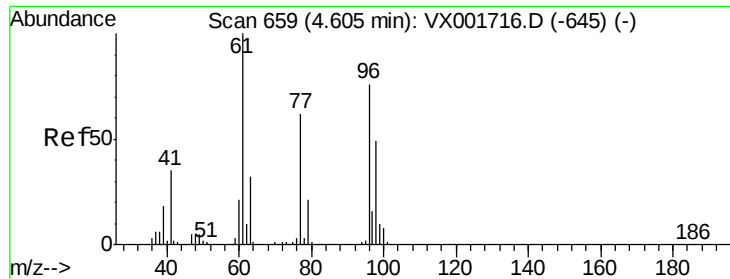
Tgt Ion: 77 Resp: 101962

Ion Ratio Lower Upper

77 100

97 22.8 11.6 34.8





#27

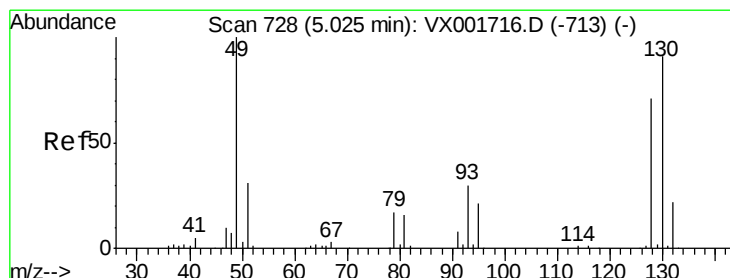
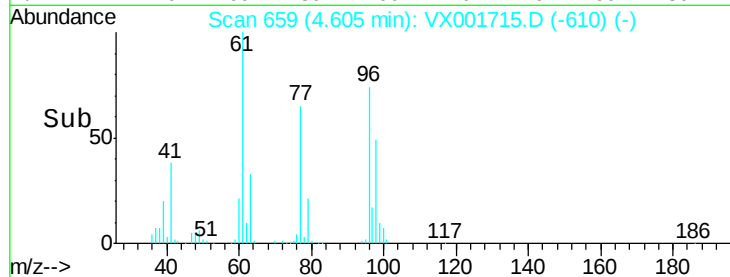
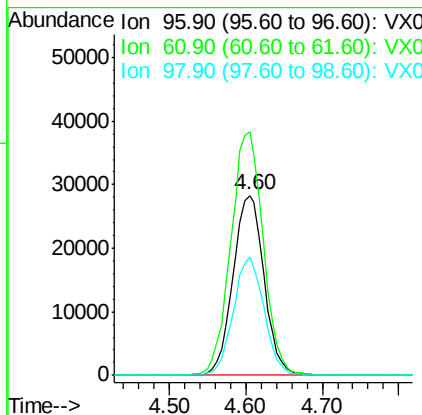
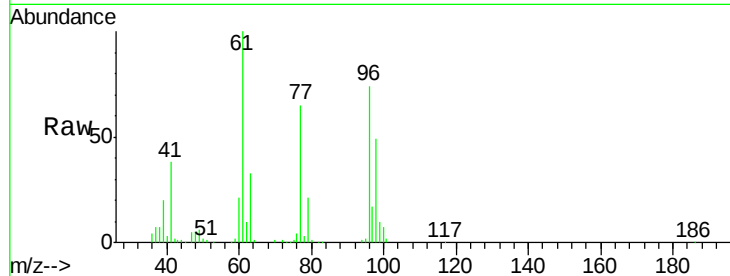
cis-1,2-Dichloroethene
Concen: 18.89 ug/l
RT: 4.60 min Scan# 659
Delta R.T. -0.00 min
Lab File: VX001715.D
Acq: 14 May 2018 17:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.6	0.0	280.4
98	65.0	0.0	128.4

Manual Integrations
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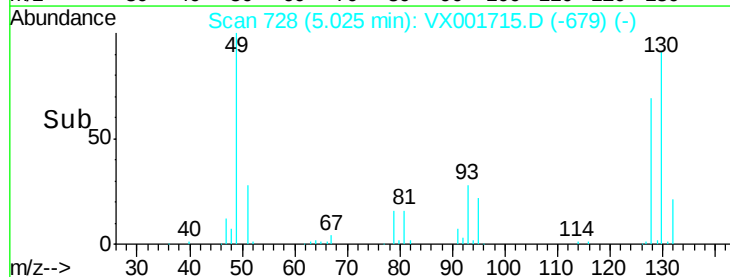
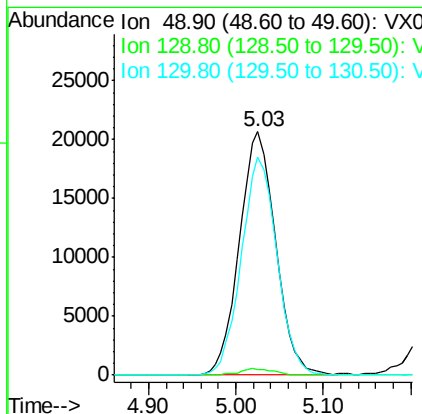
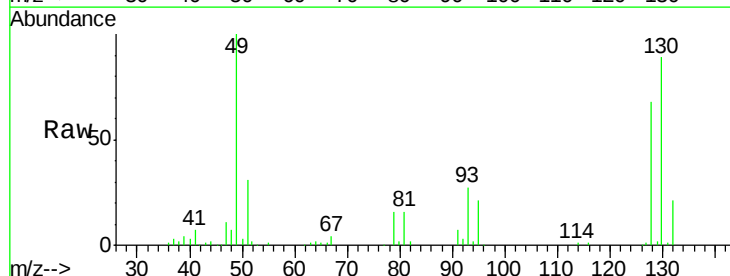
MMDadoda
5/16/2018 11:54:07 AM

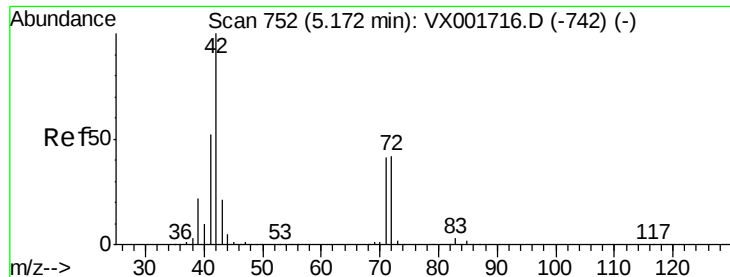


#28

Bromochloromethane
Concen: 19.98 ug/l
RT: 5.03 min Scan# 728
Delta R.T. -0.00 min
Lab File: VX001715.D
Acq: 14 May 2018 17:50

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	5.0
130	87.8	71.8	107.6





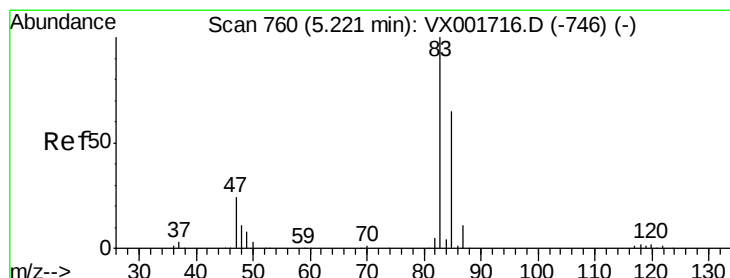
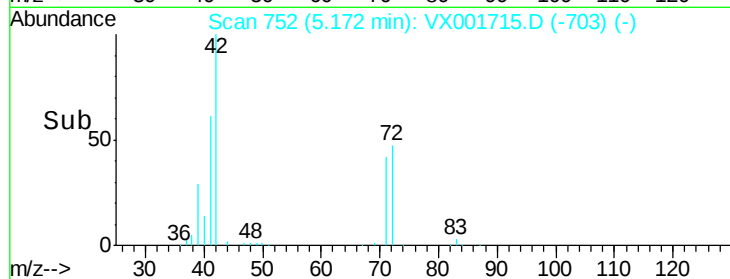
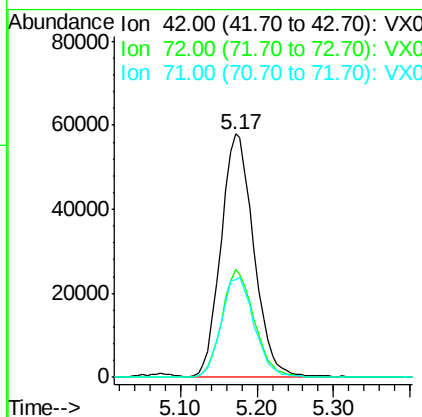
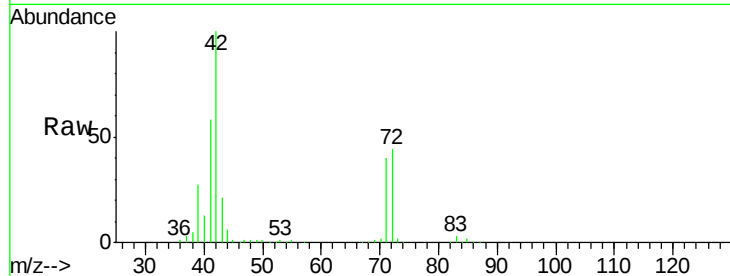
#29
Tetrahydrofuran
Concen: 89.49 ug/l
RT: 5.17 min Scan# 752
Delta R.T. -0.00 min
Lab File: VX001715.D
Acq: 14 May 2018 17:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion:	42	Resp:	171122
Ion	Ratio	Lower	Upper
42	100		
72	44.0	35.4	53.2
71	41.4	33.2	49.8

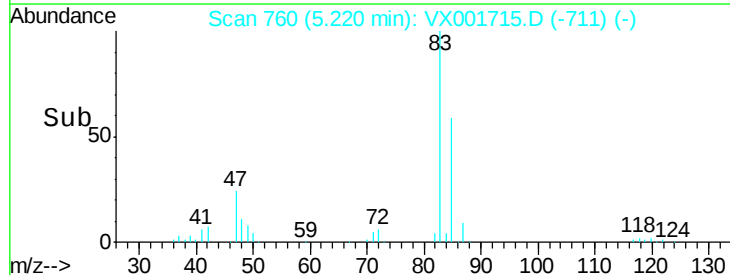
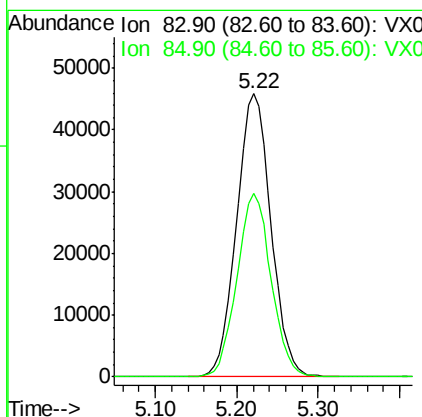
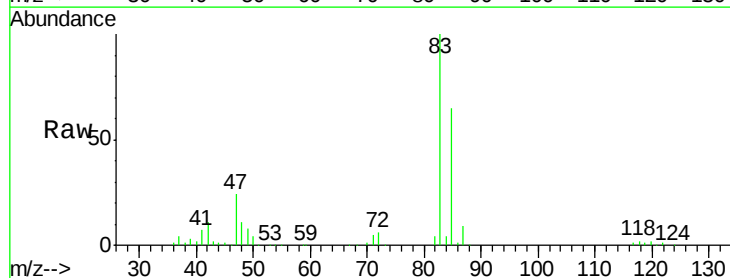
Manual Integrations
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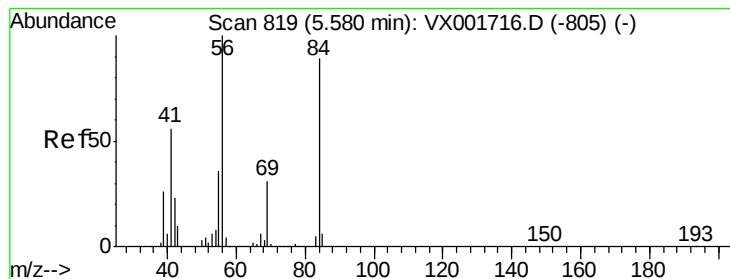
MMDadoda
5/16/2018 11:54:07 AM



#30
Chloroform
Concen: 19.02 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX001715.D
Acq: 14 May 2018 17:50

Tgt Ion:	83	Resp:	134055
Ion	Ratio	Lower	Upper
83	100		
85	64.9	52.3	78.5





#31

Cyclohexane

Concen: 18.90 ug/l

RT: 5.58 min Scan# 819

Delta R.T. -0.00 min

Lab File: VX001715.D

Acq: 14 May 2018 17:50

Instrument :

MSVOA_X

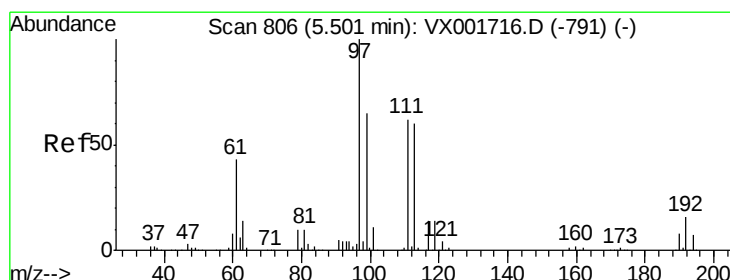
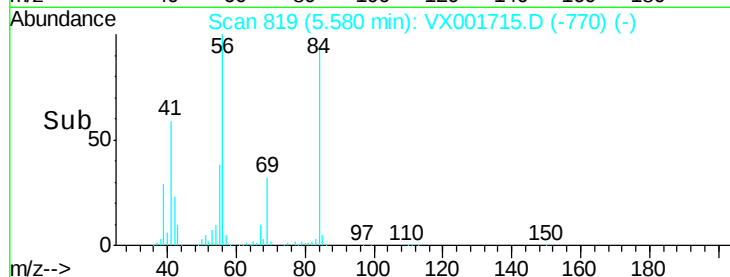
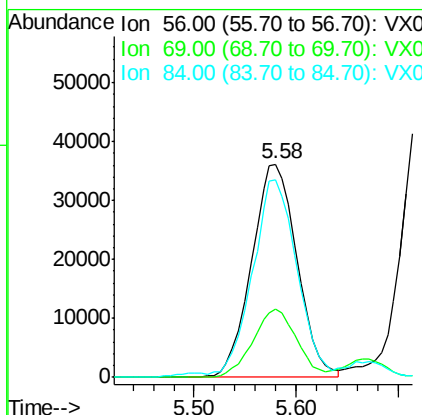
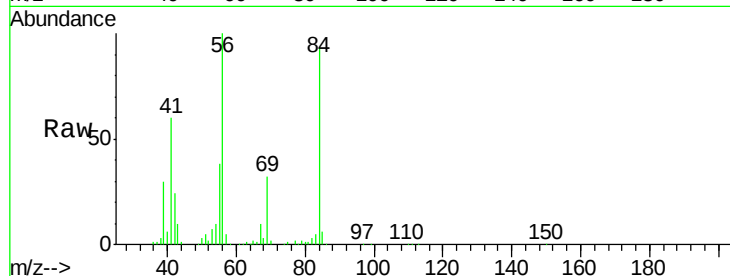
ClientSampleId :

VSTDIC020

Tot Ion:	56	Resp:	111471
Ion Ratio	Lower	Upper	
56	100		
69	31.8	25.0	37.6
84	90.7	71.0	106.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 18.99 ug/l

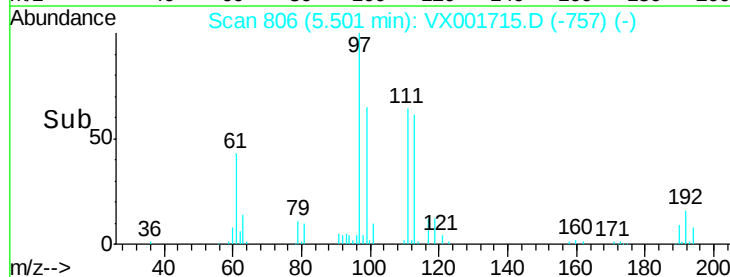
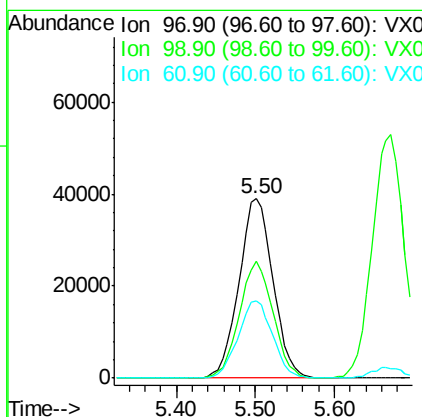
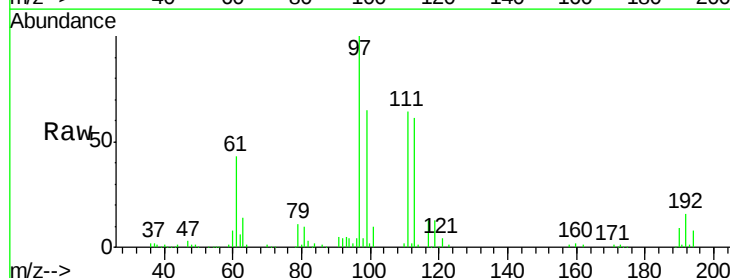
RT: 5.50 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX001715.D

Acq: 14 May 2018 17:50

Tgt Ion:	97	Resp:	116837
Ion Ratio	Lower	Upper	
97	100		
99	64.5	51.3	76.9
61	43.6	34.0	51.0





#33

1,2-Dichloroethane-d4

Concen: 19.78 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX001715.D

Acq: 14 May 2018 17:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 65 Resp: 90113

Ion Ratio Lower Upper

65 100

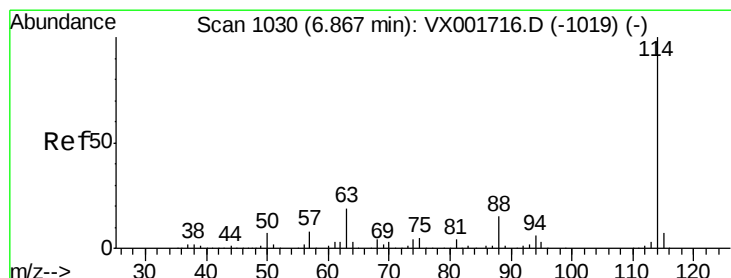
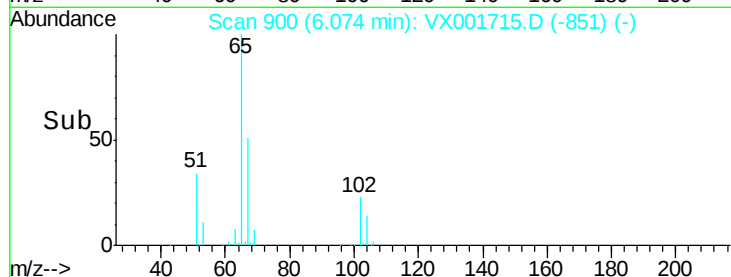
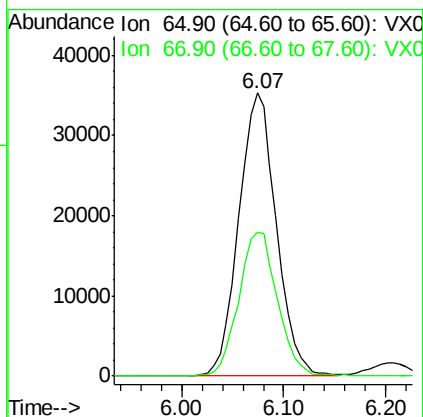
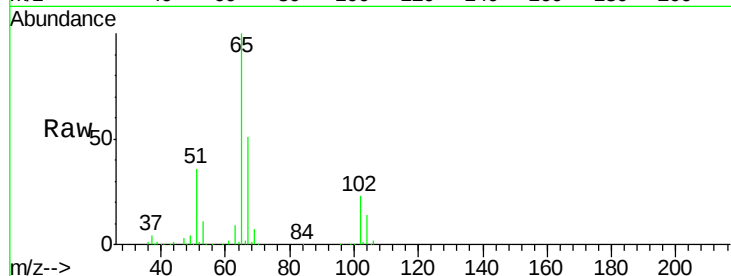
67 52.6 0.0 102.8

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#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX001715.D

Acq: 14 May 2018 17:50

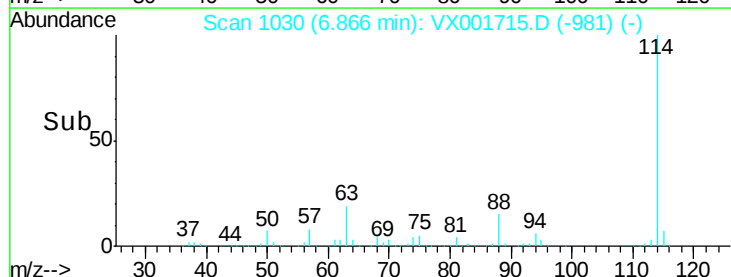
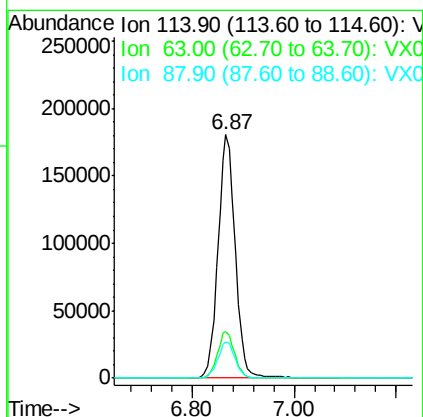
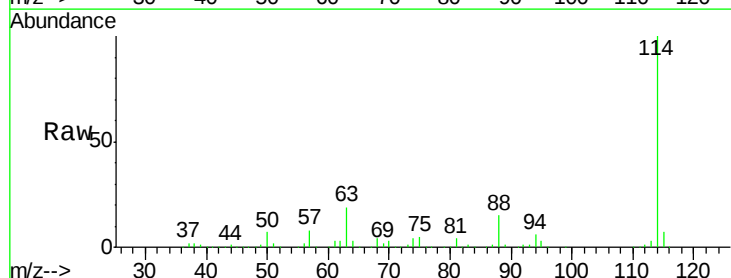
Tgt Ion: 114 Resp: 423191

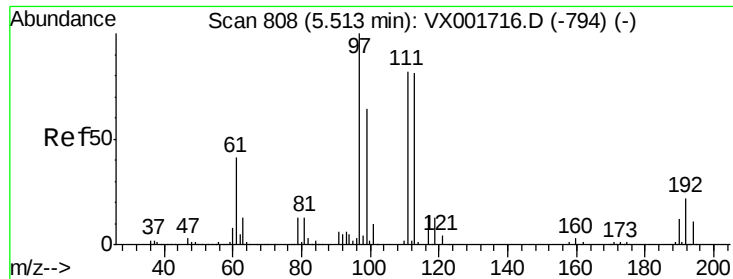
Ion Ratio Lower Upper

114 100

63 19.0 0.0 37.0

88 14.7 0.0 29.8





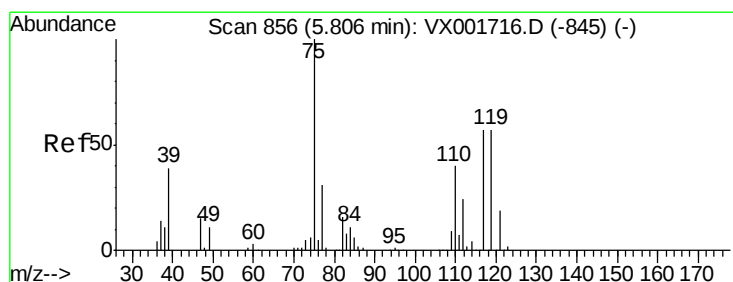
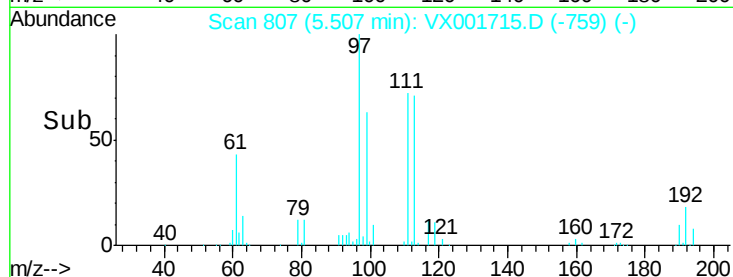
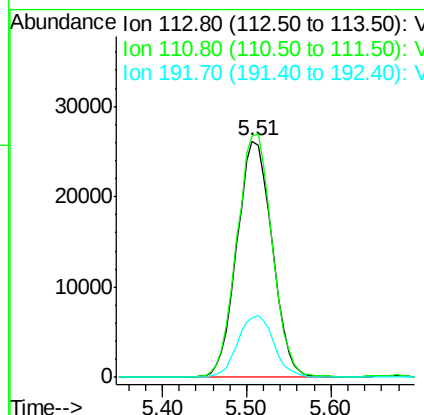
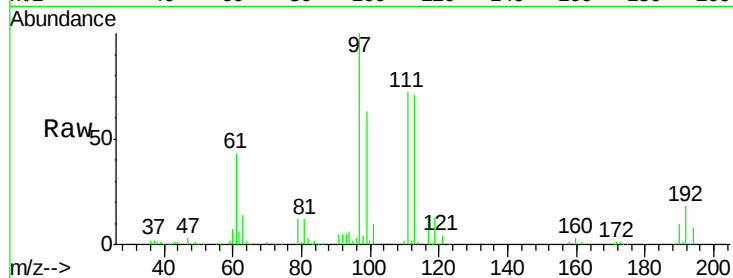
#35
Dibromofluoromethane
Concen: 19.94 ug/l
RT: 5.51 min Scan# 807
Delta R.T. -0.01 min
Lab File: VX001715.D
Acq: 14 May 2018 17:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.0	123.0
192	26.6	21.6	32.4

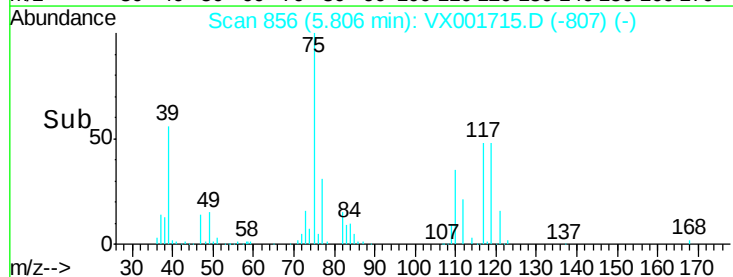
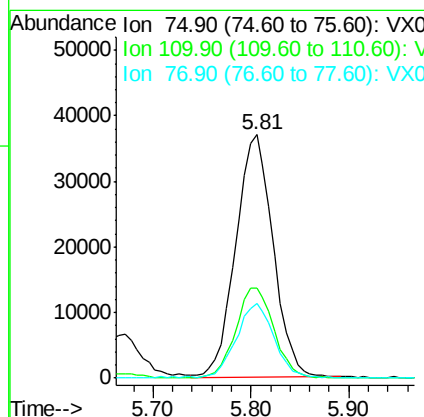
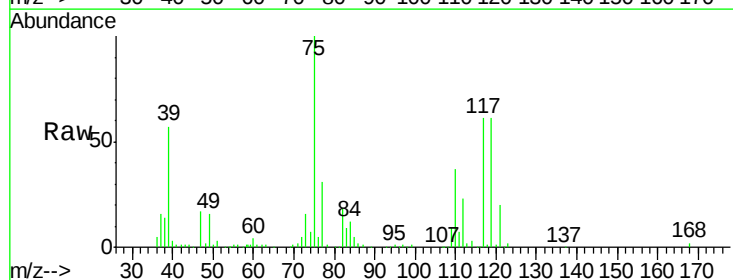
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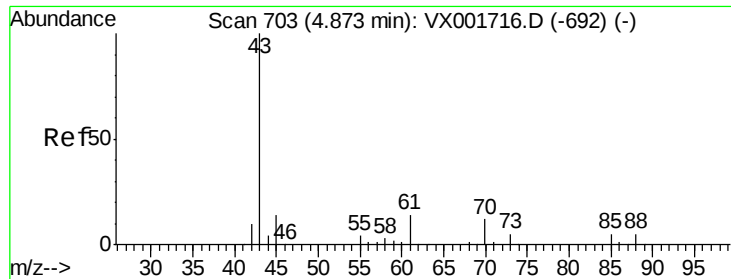
MMDadoda
5/16/2018 11:54:07 AM



#36
1,1-Dichloropropene
Concen: 18.41 ug/l
RT: 5.81 min Scan# 856
Delta R.T. -0.00 min
Lab File: VX001715.D
Acq: 14 May 2018 17:50

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.1	19.1	57.1
77	30.6	24.6	37.0





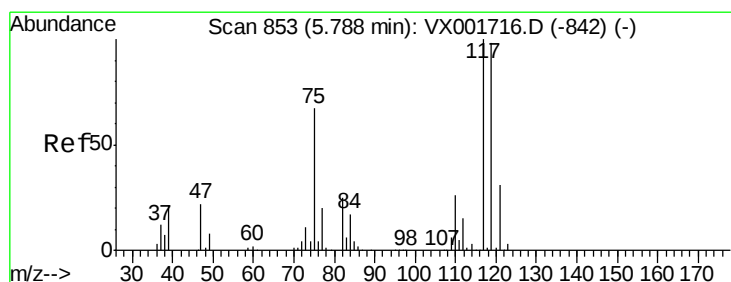
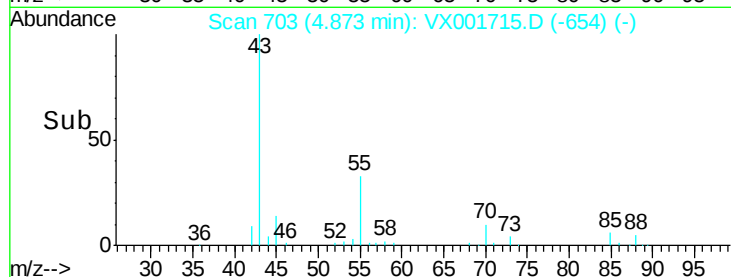
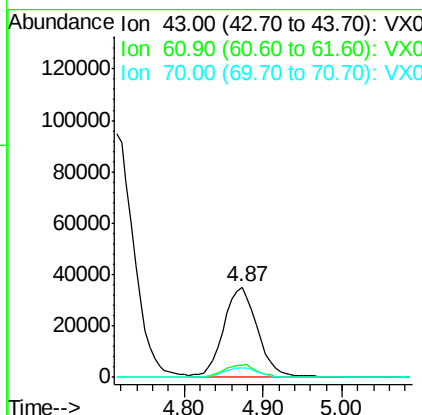
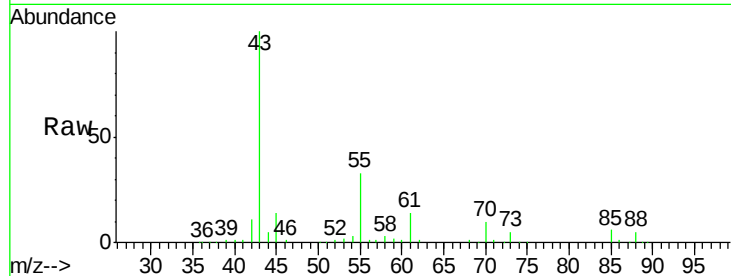
#37
Ethyl Acetate
Concen: 17.97 ug/l
RT: 4.87 min Scan# 703
Delta R.T. -0.00 min
Lab File: VX001715.D
Acq: 14 May 2018 17:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.1	10.9	16.3
70	10.8	8.8	13.2

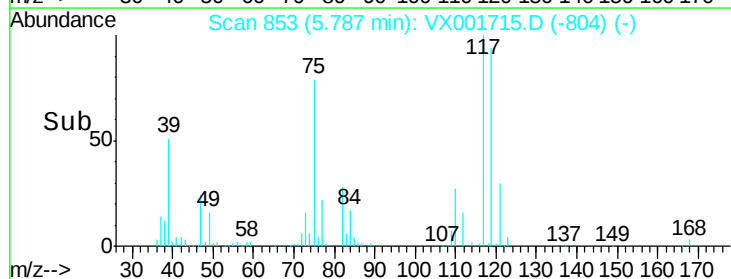
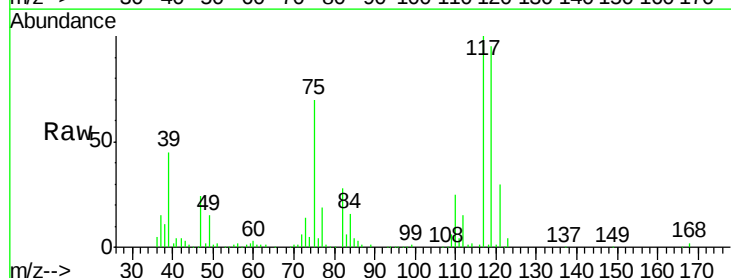
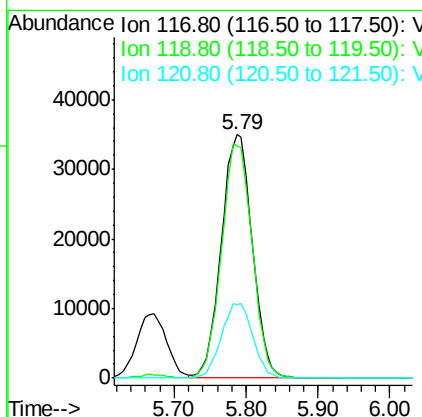
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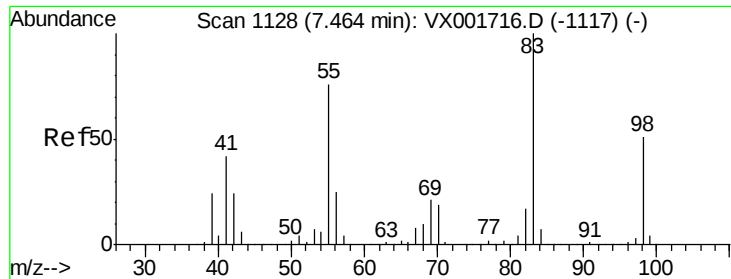
MMDadoda
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#38
Carbon Tetrachloride
Concen: 18.66 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.00 min
Lab File: VX001715.D
Acq: 14 May 2018 17:50

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.2	77.6	116.4
121	30.4	24.6	36.8





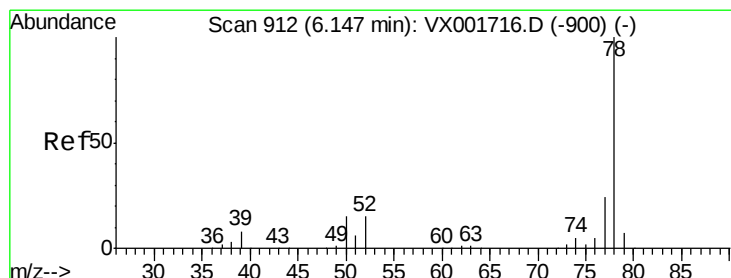
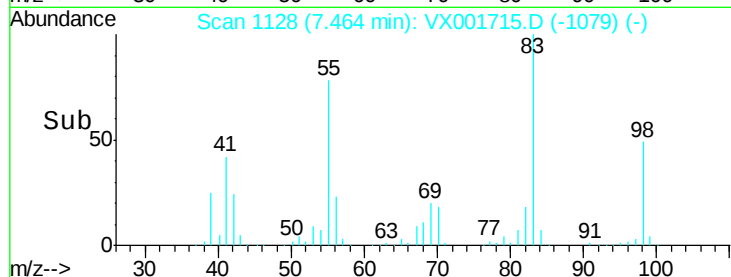
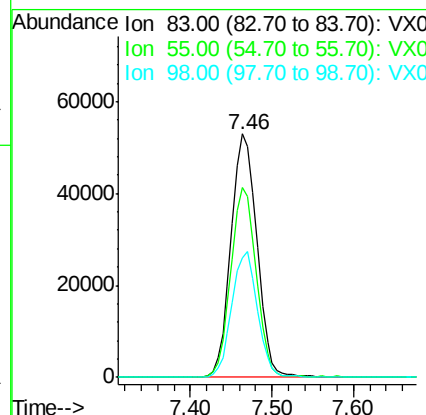
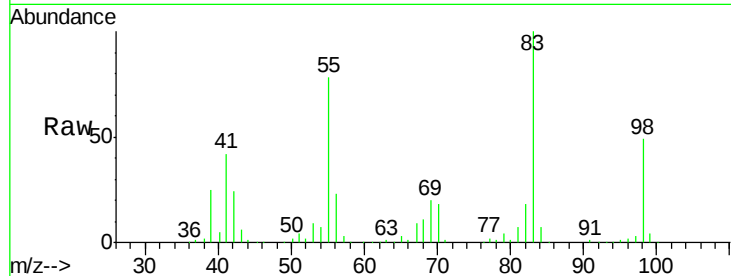
#39
Methvlcvclohexane
Concen: 18.62 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX001715.D
Acq: 14 May 2018 17:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.8	60.6	90.8
98	48.9	40.4	60.6

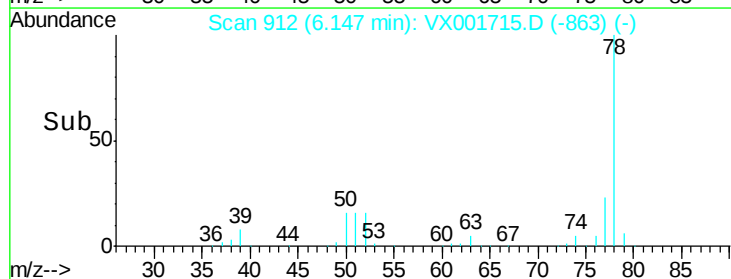
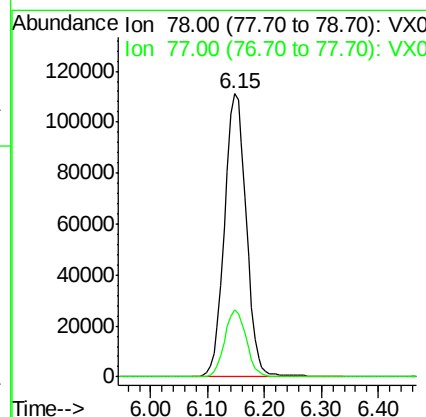
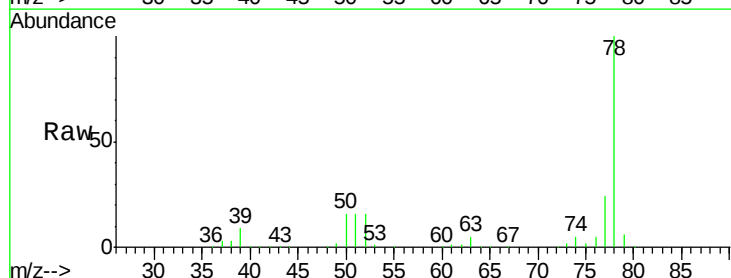
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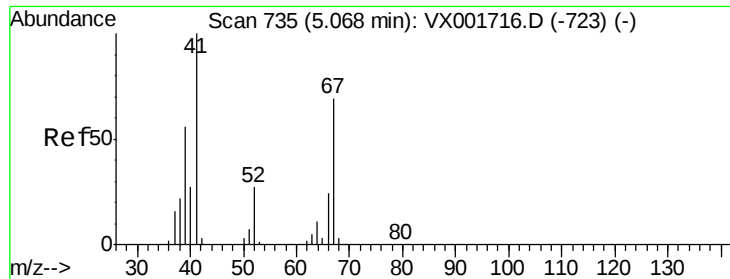
MMDadoda
5/16/2018 11:54:07 AM



#40
Benzene
Concen: 19.14 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX001715.D
Acq: 14 May 2018 17:50

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.0	28.4





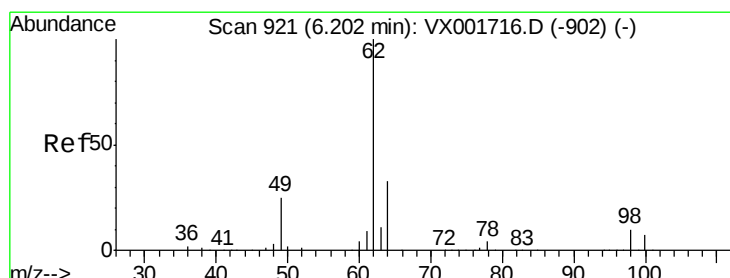
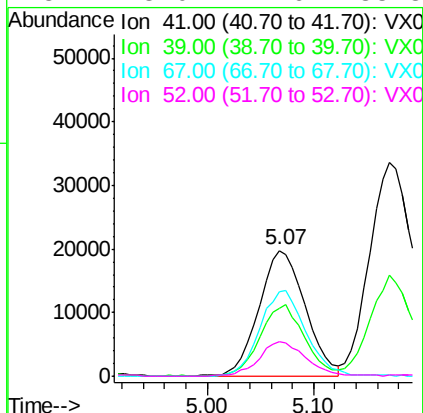
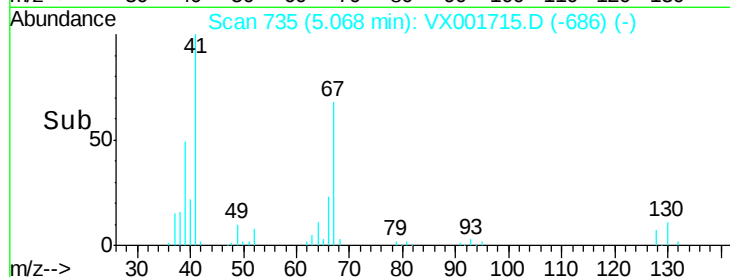
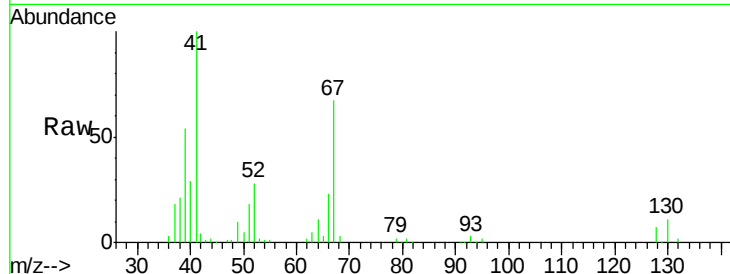
#41
Methacrylonitrile
Concen: 18.07 ug/l
RT: 5.07 min Scan# 735
Delta R.T. -0.00 min
Lab File: VX001715.D
Acq: 14 May 2018 17:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.2	44.2	66.4	
67	67.7	56.0	84.0	
52	28.0	22.6	33.8	

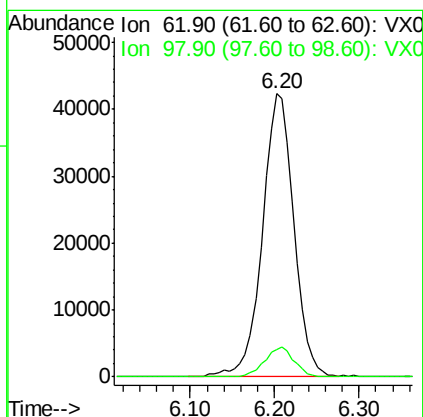
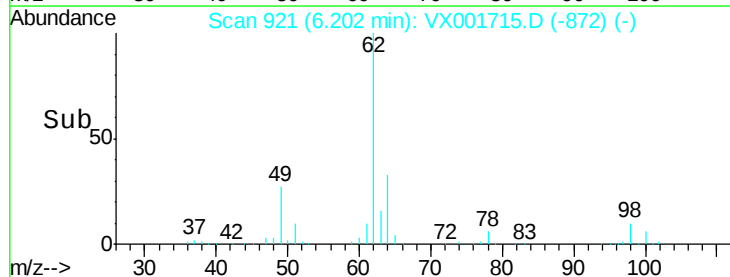
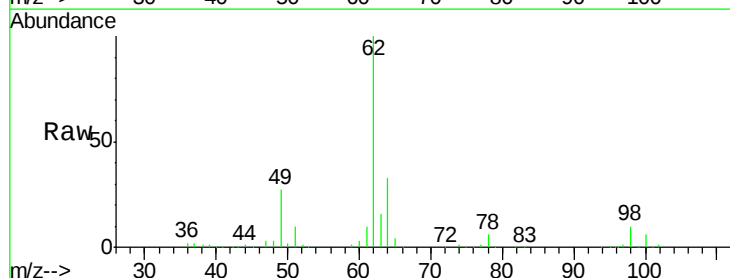
Manual Integrations
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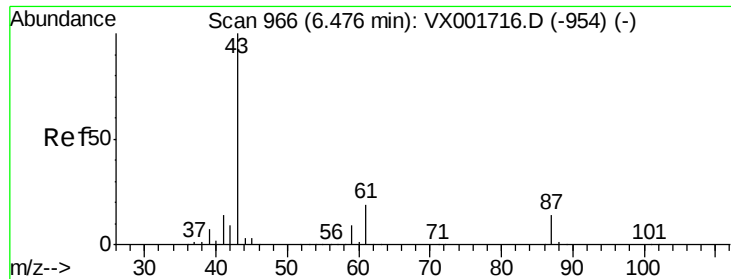
MMDadoda
5/16/2018 11:54:07 AM



#42
1,2-Dichloroethane
Concen: 18.53 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.00 min
Lab File: VX001715.D
Acq: 14 May 2018 17:50

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.9	0.0	20.0	





#43

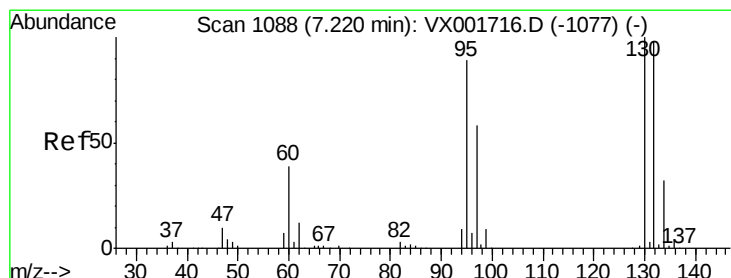
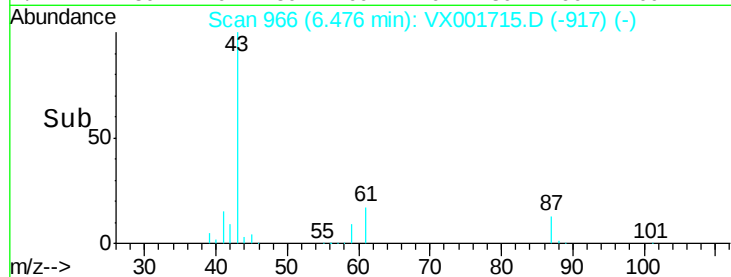
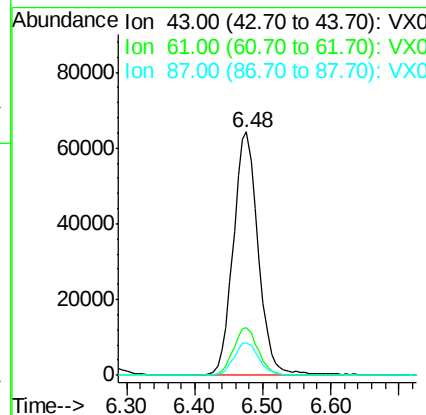
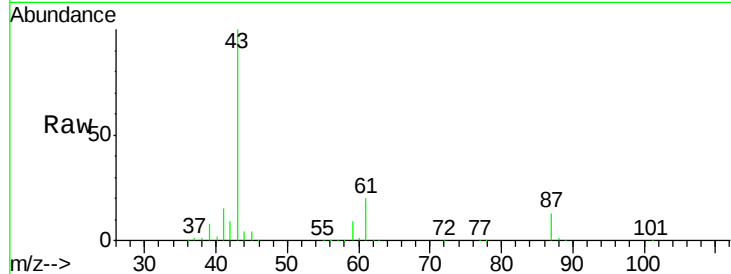
Isopropyl Acetate
 Concen: 18.26 ug/l
 RT: 6.48 min Scan# 966
 Delta R.T. -0.00 min
 Lab File: VX001715.D
 Acq: 14 May 2018 17:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.6	15.8	23.8
87	13.5	11.0	16.4

Manual Integrations
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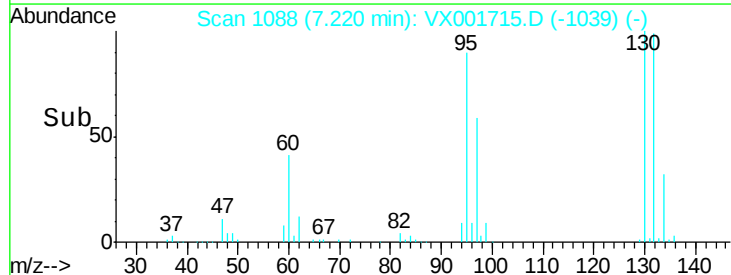
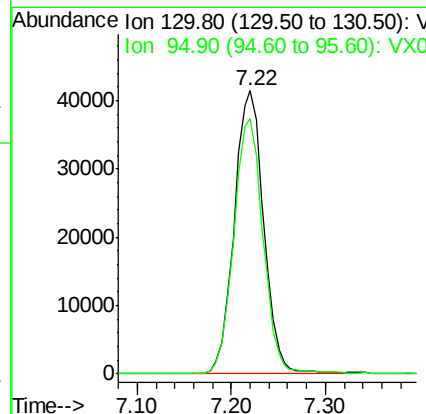
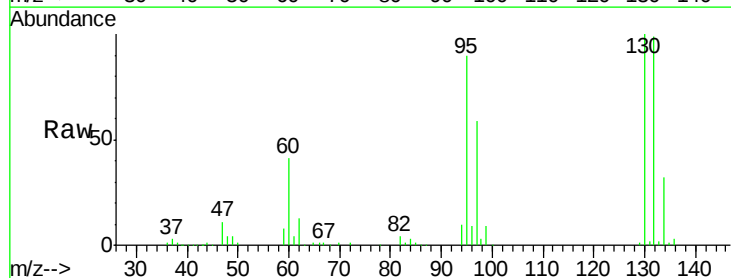
MMDadoda
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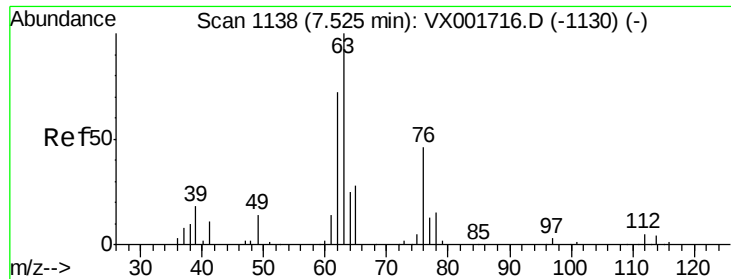


#44

Trichloroethene
 Concen: 18.86 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. -0.00 min
 Lab File: VX001715.D
 Acq: 14 May 2018 17:50

Tgt Ion	Ratio	Lower	Upper
130	100		
95	90.1	0.0	177.2





#45

1,2-Dichloropropane

Concen: 19.04 ug/l

RT: 7.52 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VX001715.D

Acq: 14 May 2018 17:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 63 Resp: 73558

Ion Ratio Lower Upper

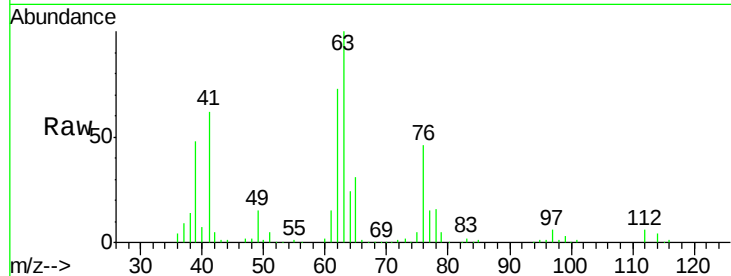
63 100

65 30.5 24.2 36.2

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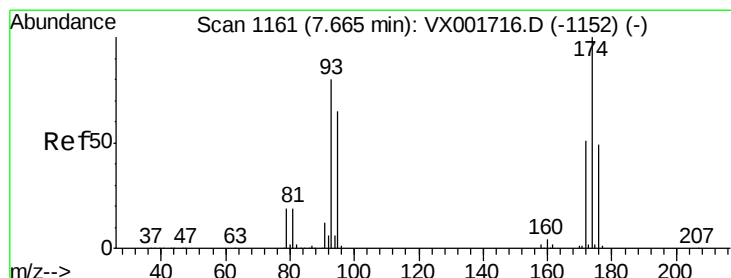
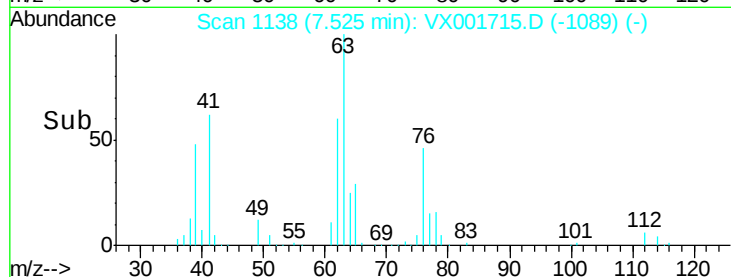
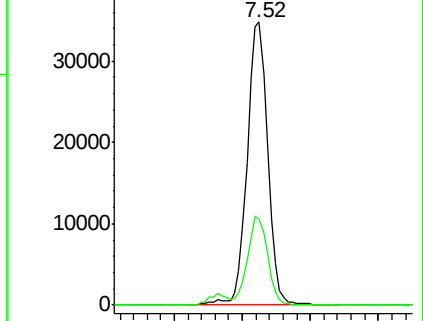
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 18.47 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. -0.00 min

Lab File: VX001715.D

Acq: 14 May 2018 17:50

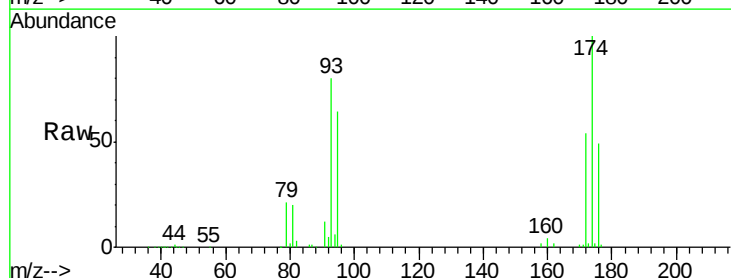
Tgt Ion: 93 Resp: 50315

Ion Ratio Lower Upper

93 100

95 81.9 65.9 98.9

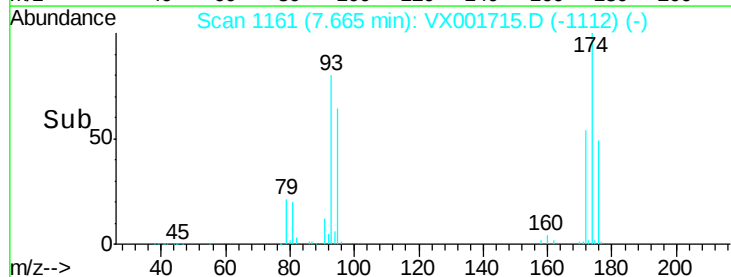
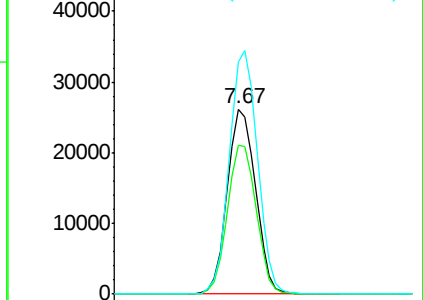
174 130.9 106.2 159.2

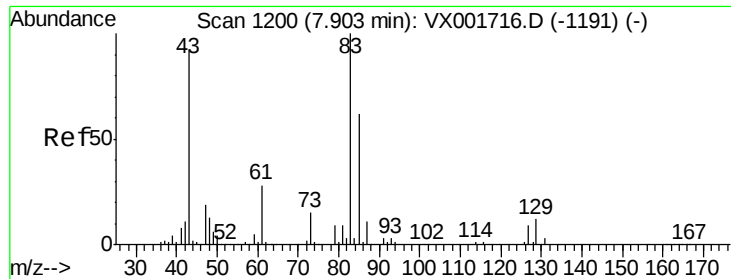


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 18.66 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX001715.D

Acq: 14 May 2018 17:50

Instrument :

MSVOA_X

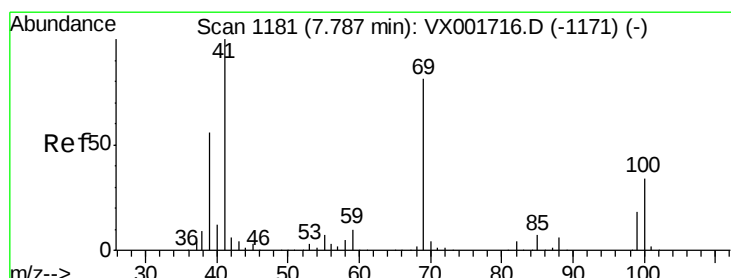
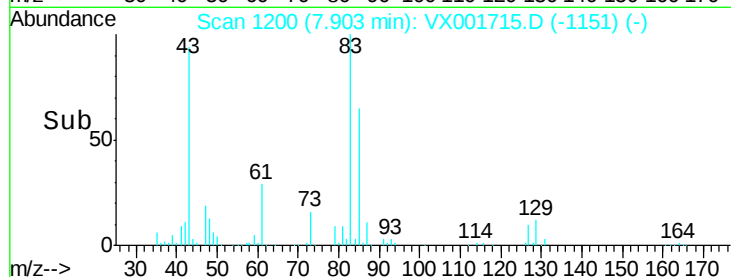
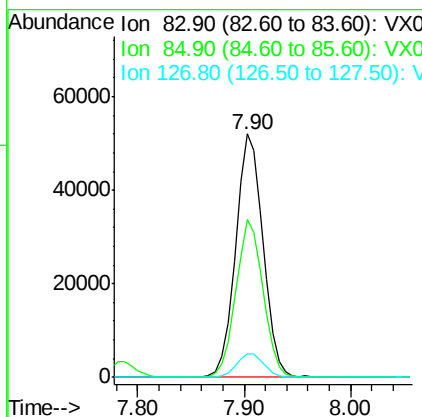
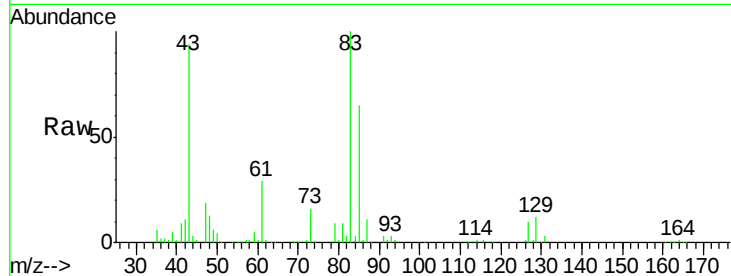
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	94001
Ion	Ratio	Lower	Upper
83	100		
85	64.7	49.6	74.4
127	9.7	7.5	11.3

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#48

Methyl methacrylate

Concen: 17.80 ug/l

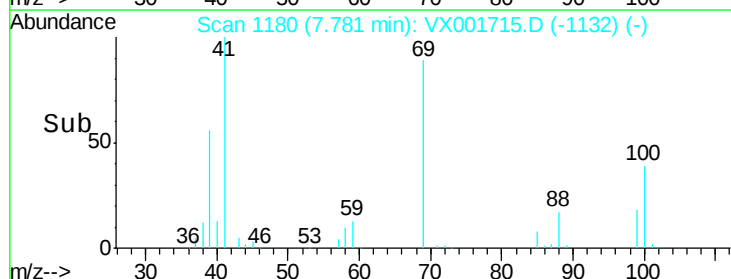
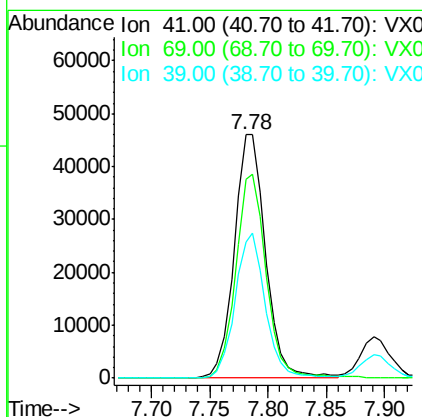
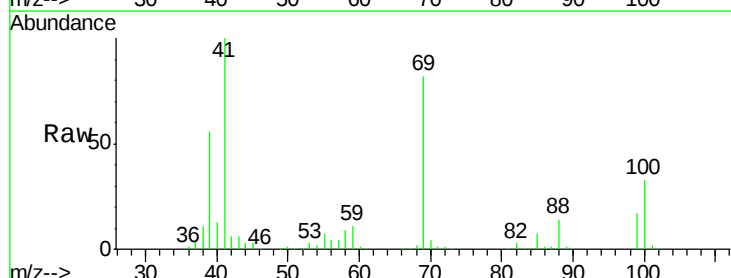
RT: 7.78 min Scan# 1180

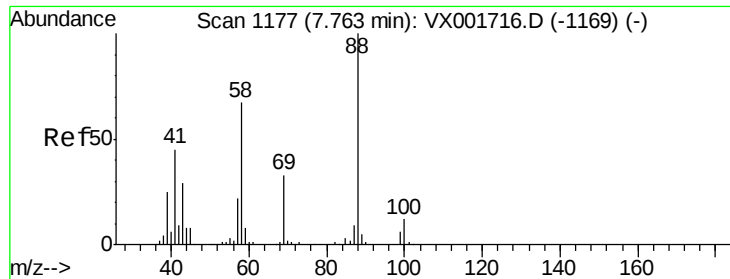
Delta R.T. -0.01 min

Lab File: VX001715.D

Acq: 14 May 2018 17:50

Tgt Ion:	41	Resp:	85657
Ion	Ratio	Lower	Upper
41	100		
69	82.2	65.2	97.8
39	58.0	44.5	66.7





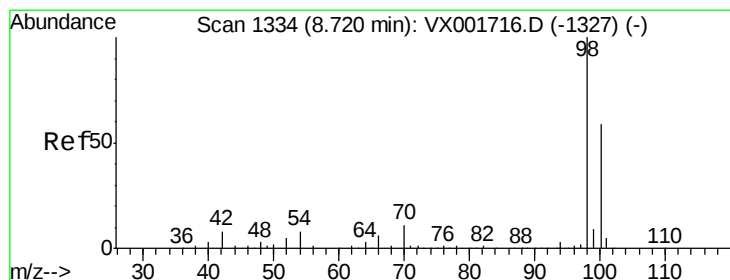
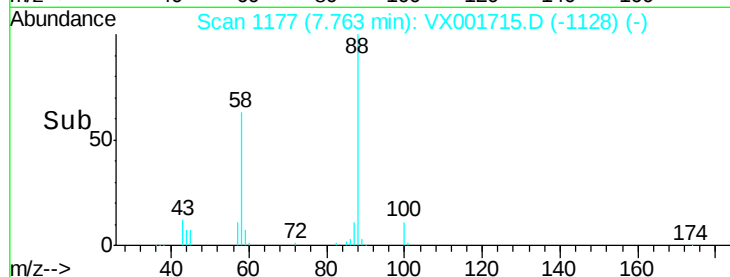
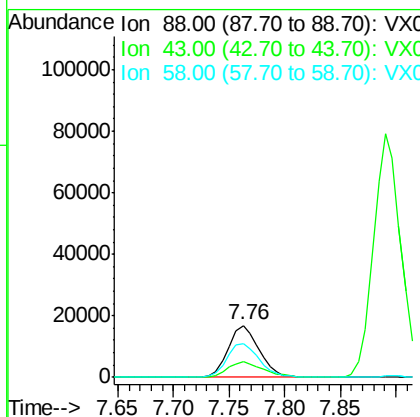
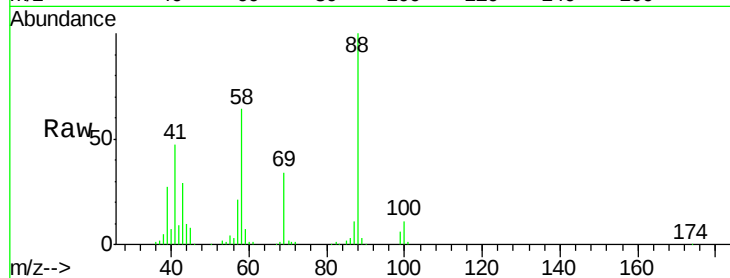
#49
1,4-Dioxane
Concen: 319.73 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VX001715.D
Acq: 14 May 2018 17:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.5	27.3	40.9
58	68.9	55.9	83.9

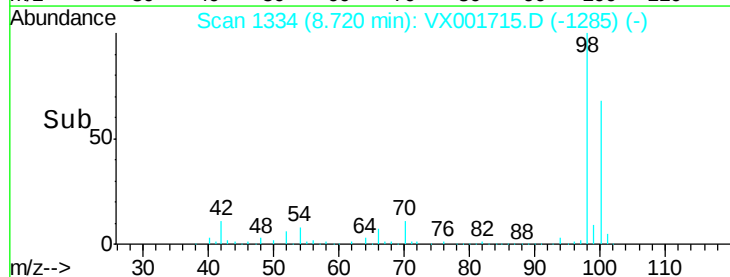
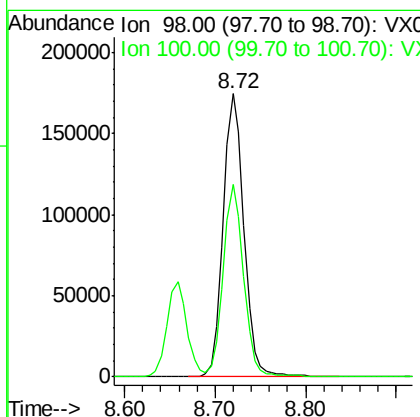
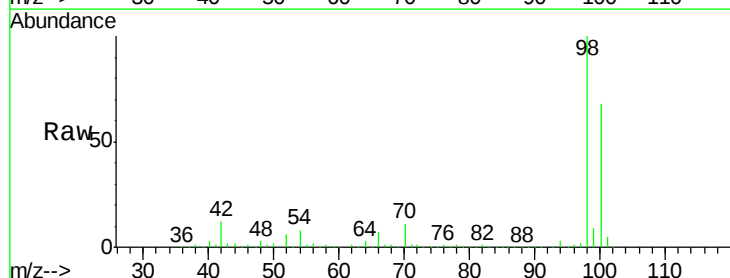
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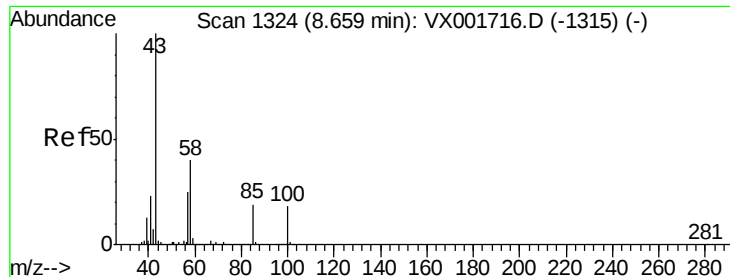
MMDadoda
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#50
Toluene-d8
Concen: 20.44 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX001715.D
Acq: 14 May 2018 17:50

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.5	54.0	81.0





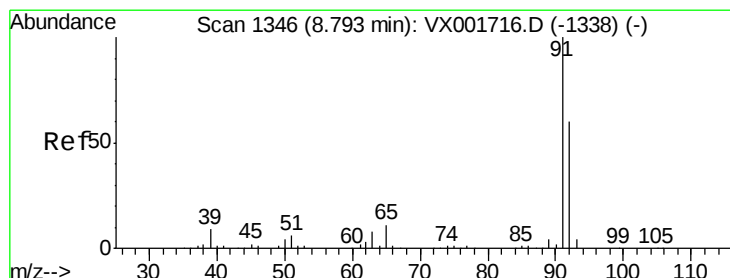
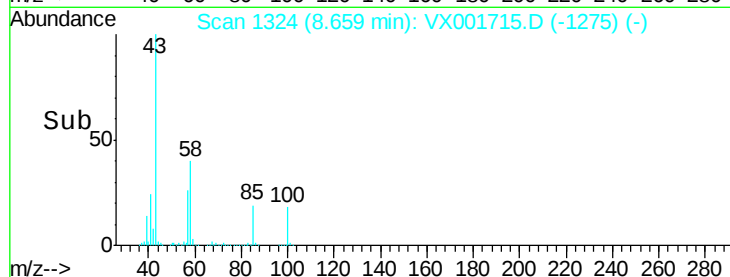
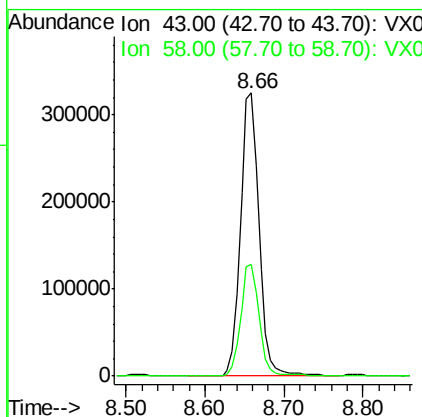
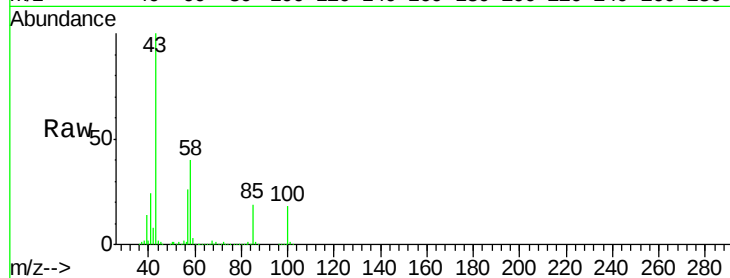
#51
4-Methyl-2-Pentanone
Concen: 90.89 ug/l
RT: 8.66 min Scan# 1324
Delta R.T. -0.00 min
Lab File: VX001715.D
Acq: 14 May 2018 17:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.8	31.4	47.0

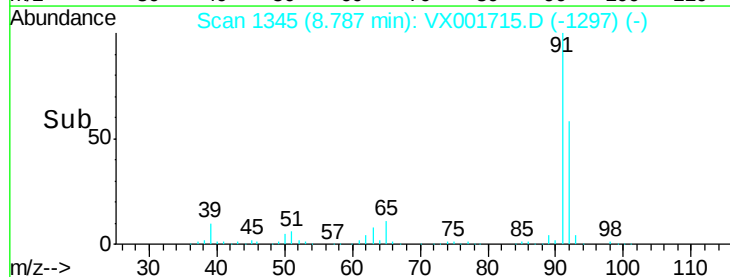
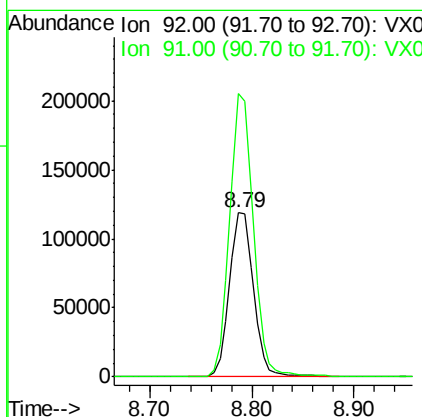
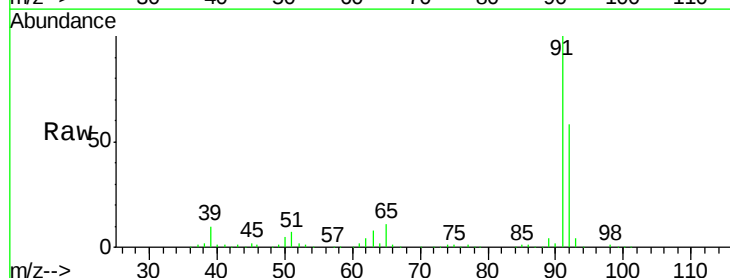
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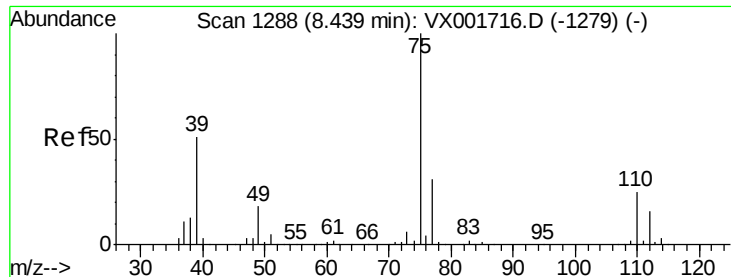
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#52
Toluene
Concen: 19.18 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. -0.01 min
Lab File: VX001715.D
Acq: 14 May 2018 17:50

Tgt Ion	Ratio	Lower	Upper
92	100		
91	170.7	135.5	203.3





#53

t-1,3-Dichloropropene

Concen: 19.55 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VX001715.D

Acq: 14 May 2018 17:50

Tot Ion: 75 Resp: 111902

Ion Ratio Lower Upper

75 100

77 30.9 25.0 37.6

Instrument :

MSVOA_X

ClientSampleId :

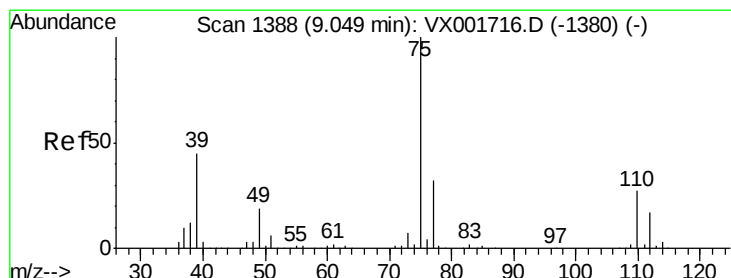
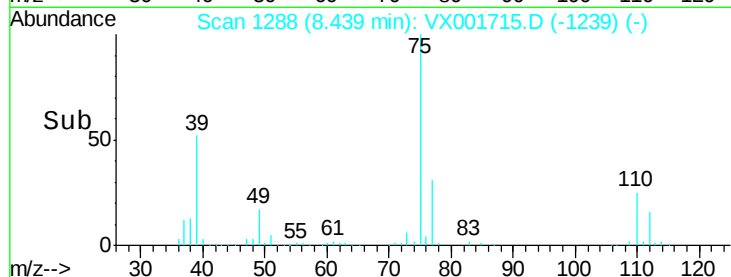
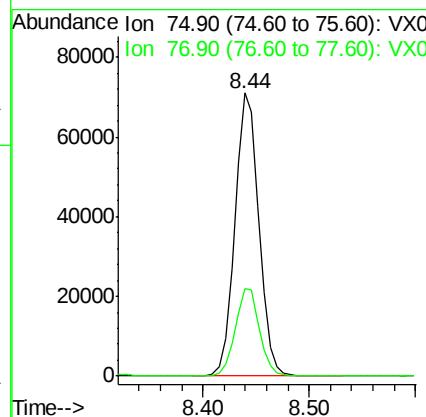
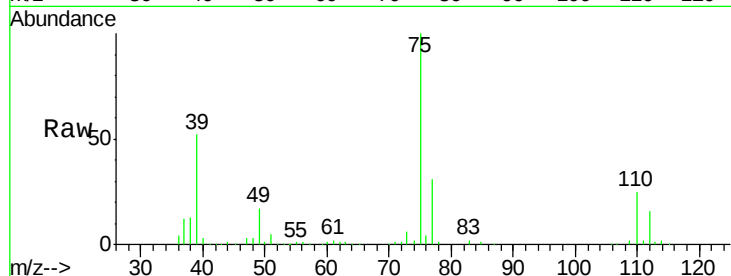
VSTDIC020

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#54

cis-1,3-Dichloropropene

Concen: 18.56 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. -0.00 min

Lab File: VX001715.D

Acq: 14 May 2018 17:50

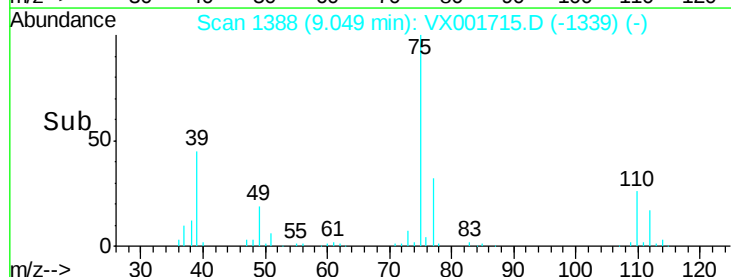
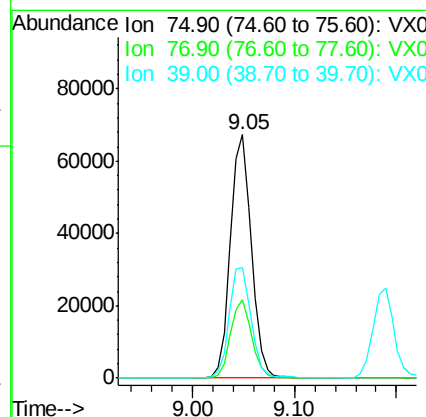
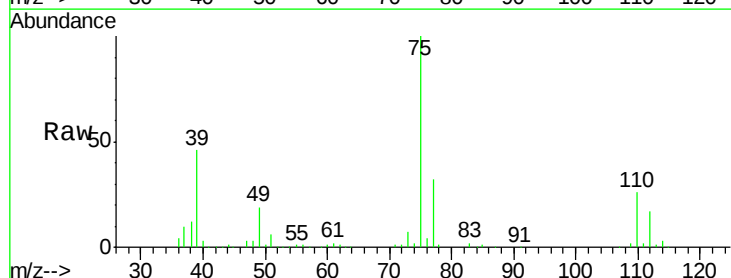
Tgt Ion: 75 Resp: 95368

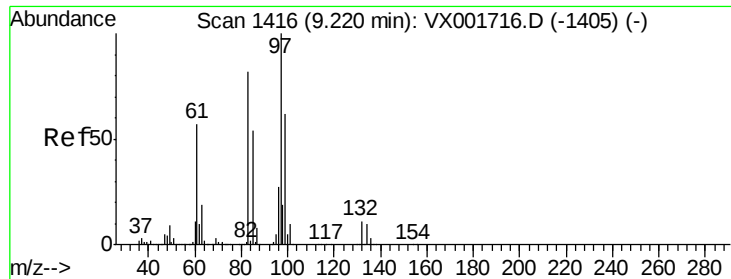
Ion Ratio Lower Upper

75 100

77 31.9 25.4 38.2

39 45.5 36.1 54.1





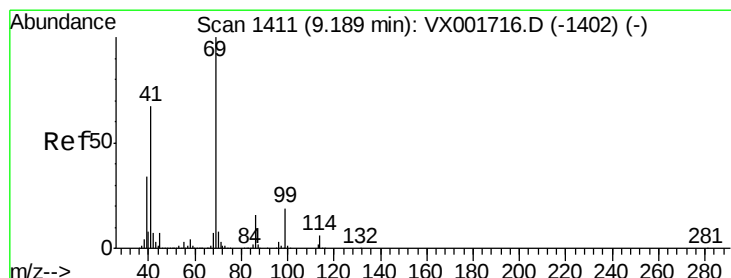
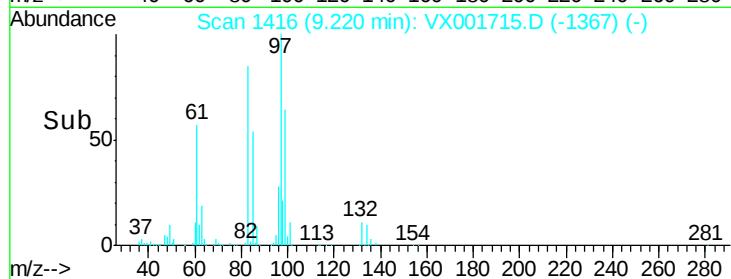
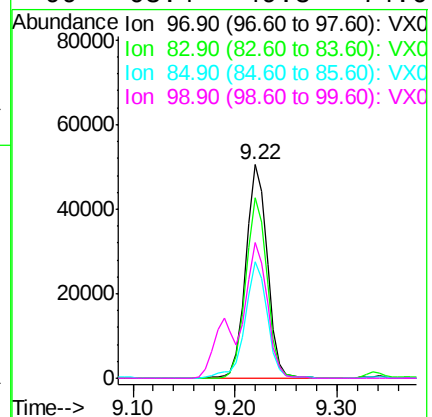
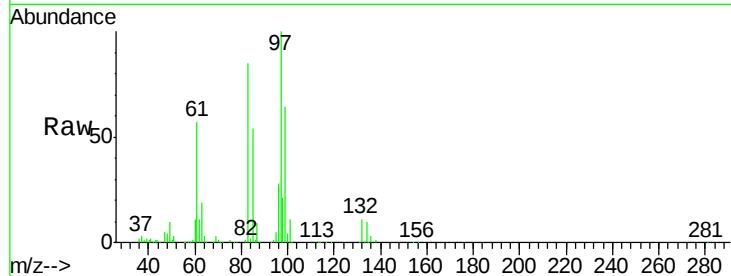
#55
 1,1,2-Trichloroethane
 Concen: 18.12 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX001715.D
 Acq: 14 May 2018 17:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		73257		
83	84.7	65.8	98.8		
85	54.4	43.4	65.0		
99	63.4	49.8	74.6		

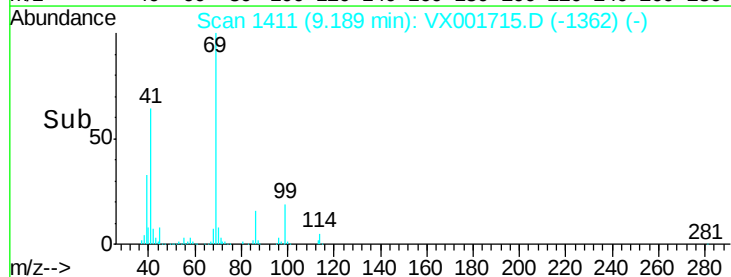
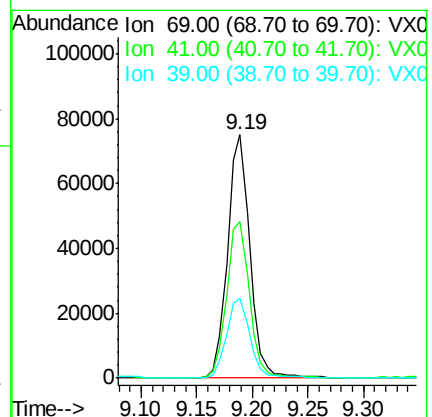
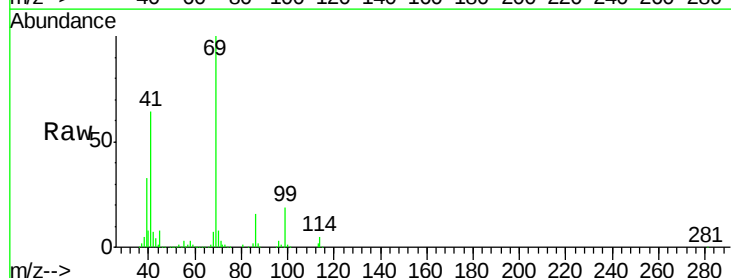
Manual Integrations
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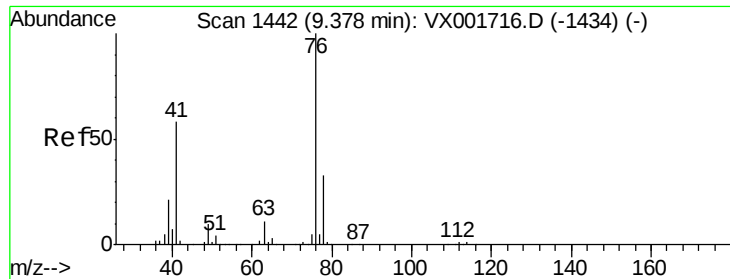
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#56
 Ethyl methacrylate
 Concen: 17.93 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. -0.00 min
 Lab File: VX001715.D
 Acq: 14 May 2018 17:50

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		104107		
41	65.9	53.5	80.3		
39	34.5	27.2	40.8		





#57

1,3-Dichloropropane

Concen: 18.43 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VX001715.D

Acq: 14 May 2018 17:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 122987

Ion Ratio Lower Upper

76 100

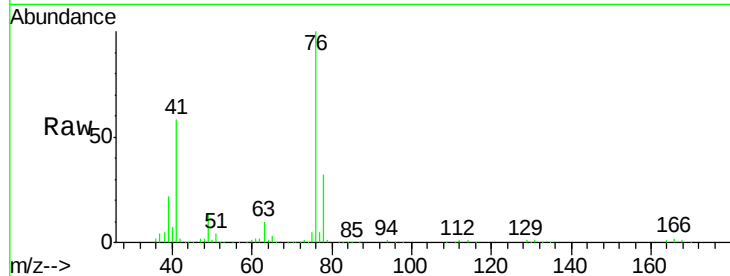
78 31.6 25.8 38.6

Manual Integrations

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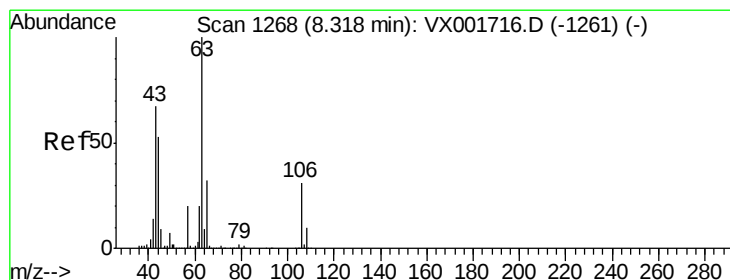
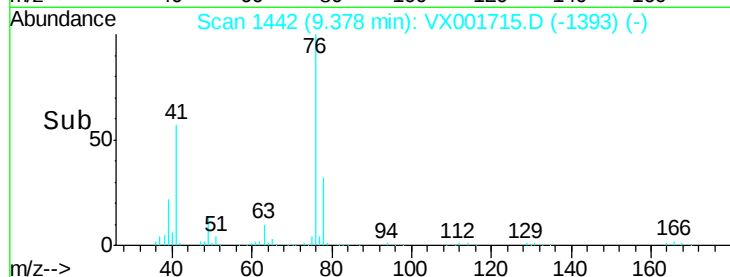
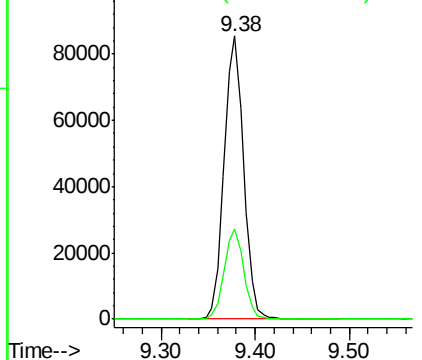
MMDadoda

5/16/2018 11:54:07 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 94.90 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VX001715.D

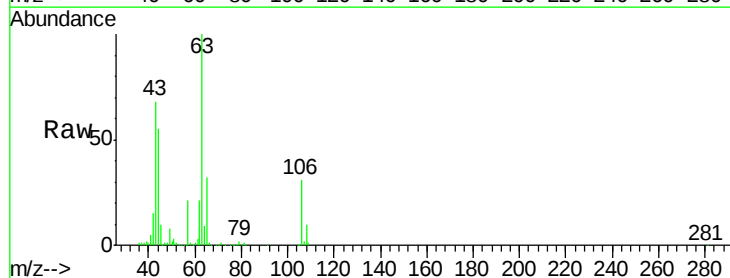
Acq: 14 May 2018 17:50

Tgt Ion: 63 Resp: 272927

Ion Ratio Lower Upper

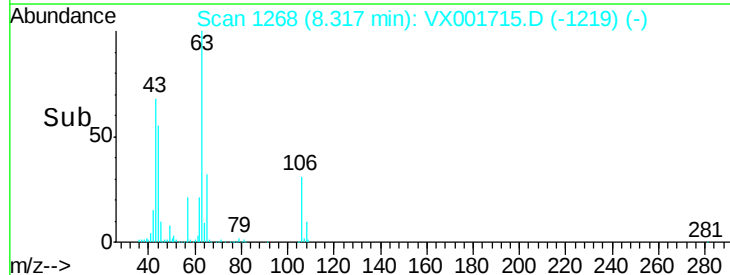
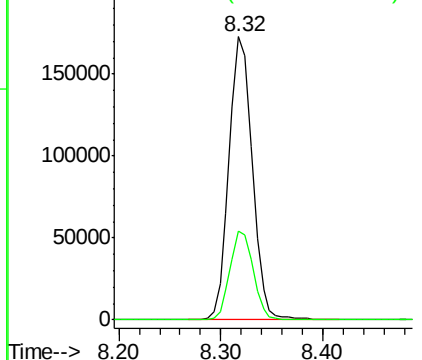
63 100

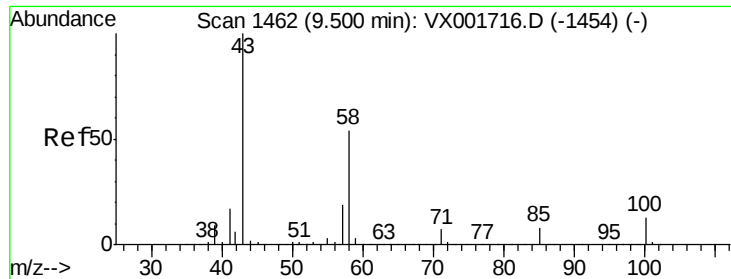
106 31.4 25.1 37.7



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





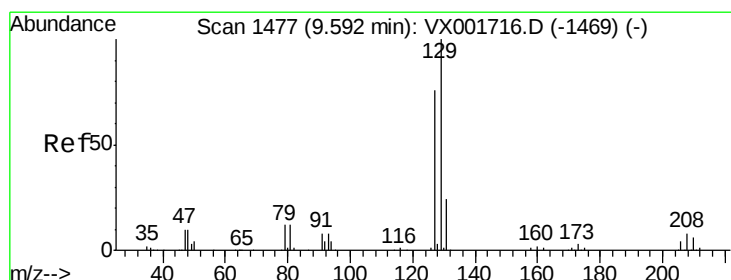
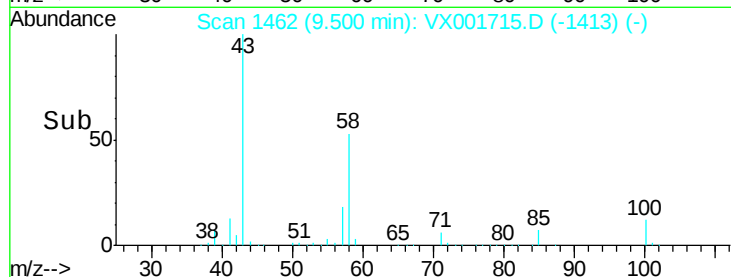
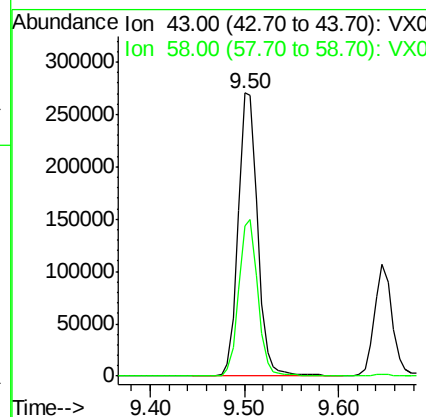
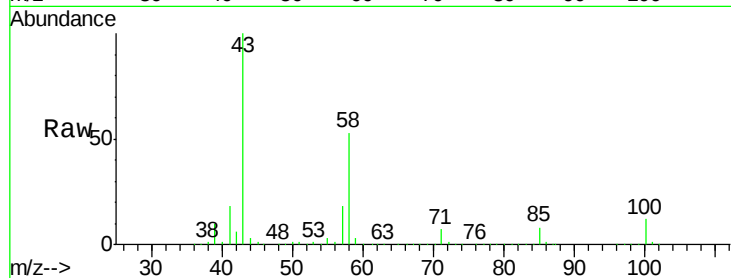
#59
2-Hexanone
Concen: 87.17 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX001715.D
Acq: 14 May 2018 17:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 387325
Ion Ratio Lower Upper
43 100
58 54.5 27.7 83.1

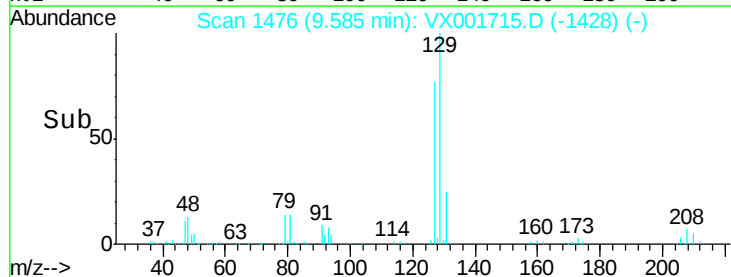
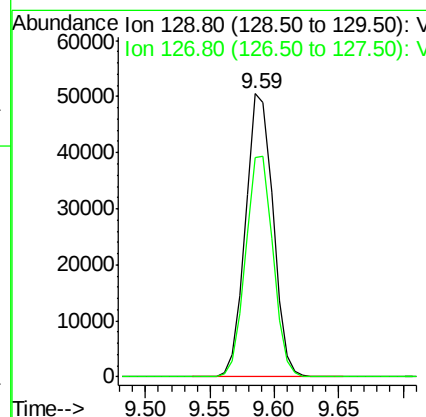
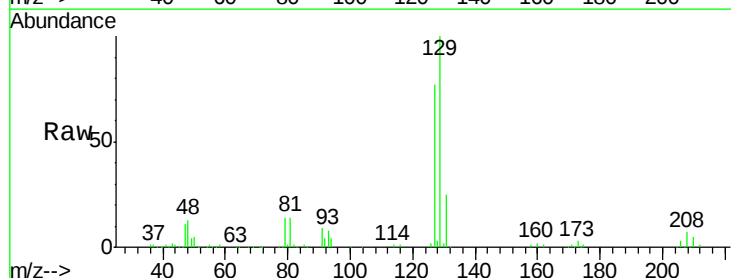
Manual Integrations
APPROVED

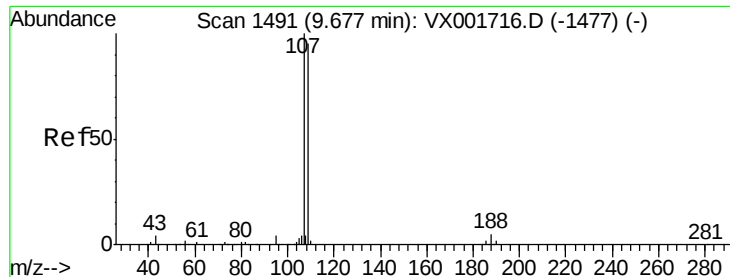
MMDadoda
5/16/2018 11:54:07 AM



#60
Dibromochloromethane
Concen: 18.05 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.01 min
Lab File: VX001715.D
Acq: 14 May 2018 17:50

Tgt Ion: 129 Resp: 74246
Ion Ratio Lower Upper
129 100
127 77.7 38.7 116.1





#61

1,2-Dibromoethane

Concen: 18.54 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX001715.D

Acq: 14 May 2018 17:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:107 Resp: 78458

Ion Ratio Lower Upper

107 100

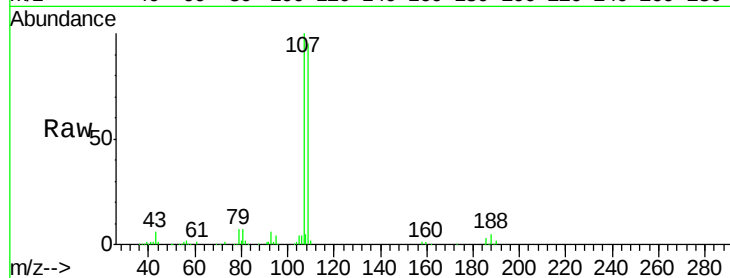
109 94.8 76.2 114.2

Manual Integrations

APPROVED

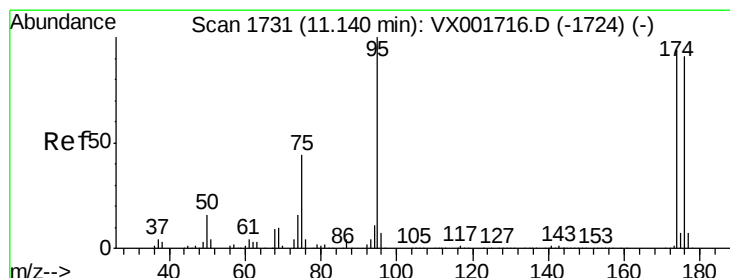
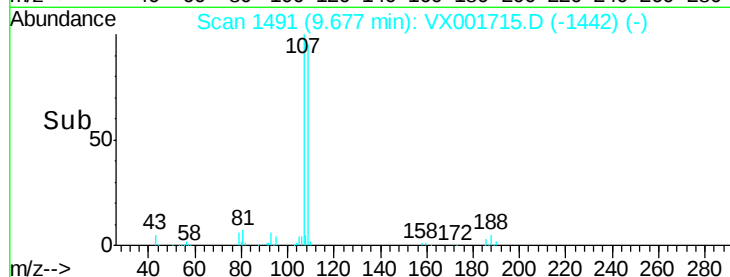
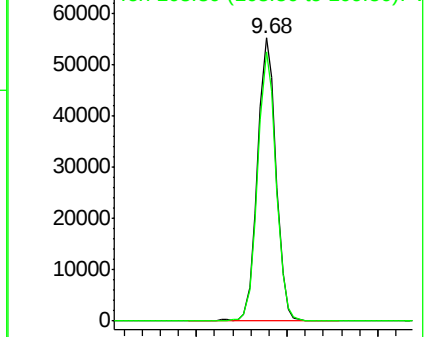
MMDadoda

5/16/2018 11:54:07 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 18.71 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX001715.D

Acq: 14 May 2018 17:50

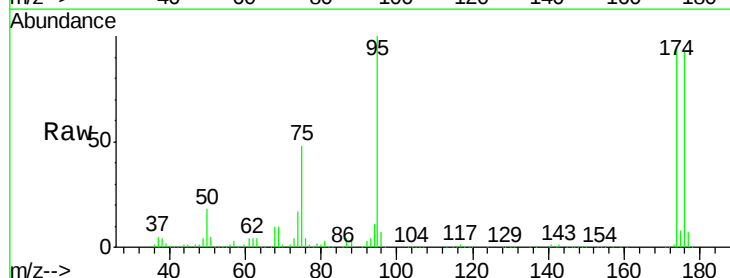
Tgt Ion: 95 Resp: 95930

Ion Ratio Lower Upper

95 100

174 101.7 0.0 201.8

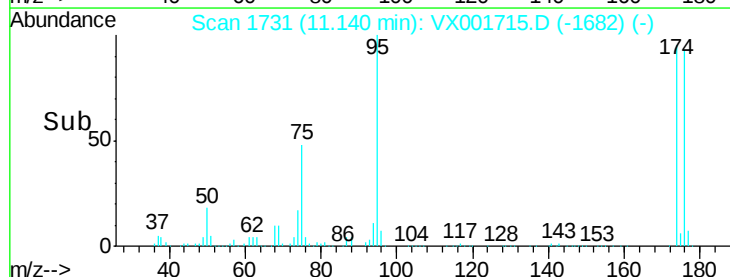
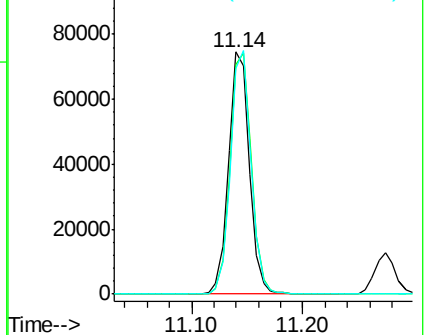
176 99.6 0.0 196.8

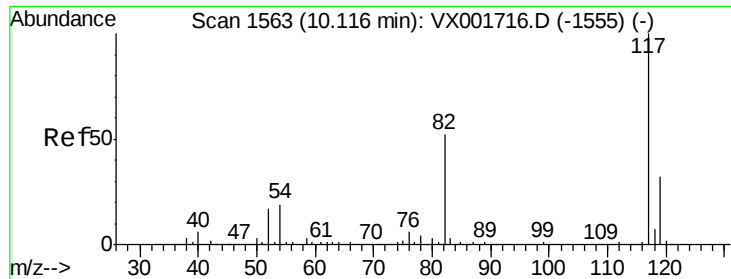


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





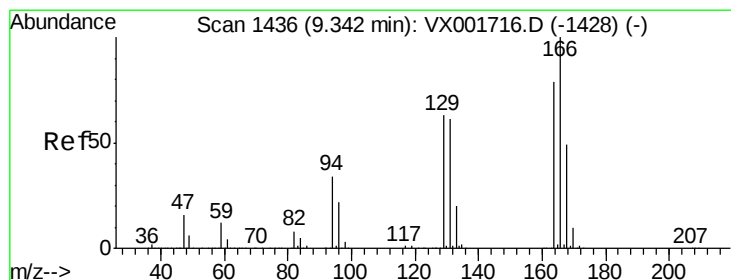
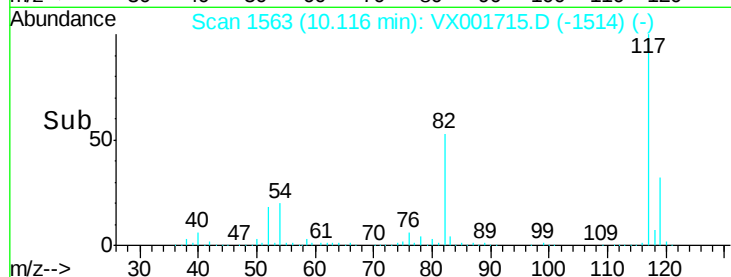
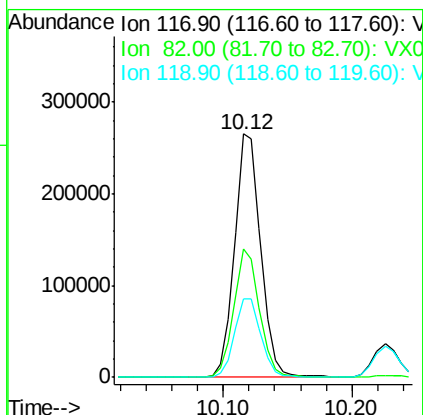
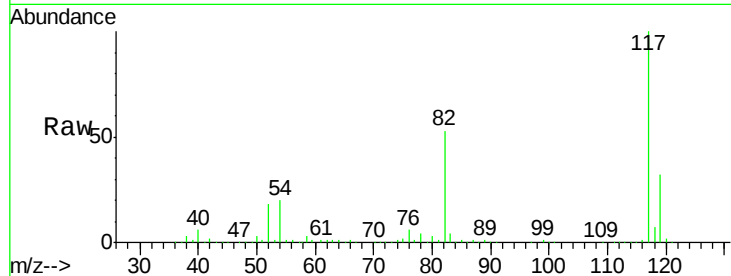
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX001715.D
Acq: 14 May 2018 17:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.9	41.4	62.2
119	32.5	25.6	38.4

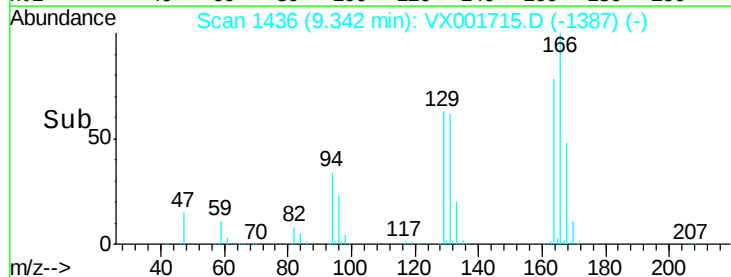
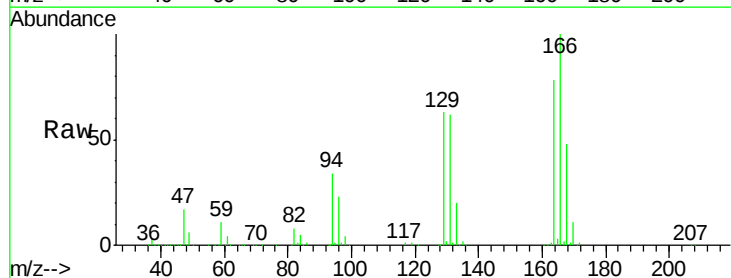
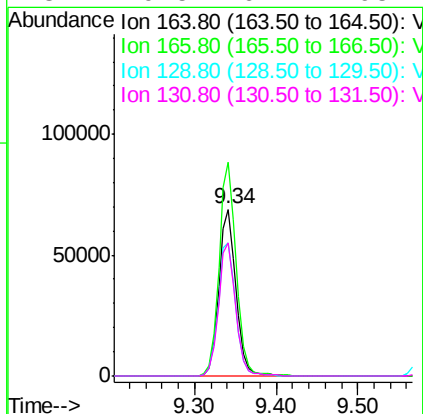
Manual Integrations
APPROVED

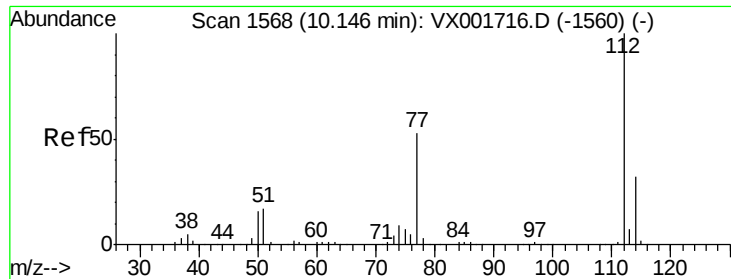
MMDadoda
5/16/2018 11:54:07 AM



#64
Tetrachloroethene
Concen: 19.63 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX001715.D
Acq: 14 May 2018 17:50

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.0	101.8	152.8
129	80.1	63.8	95.6
131	79.5	62.2	93.2





#65

Chlorobenzene

Concen: 19.48 ug/l

RT: 10.15 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VX001715.D

Acq: 14 May 2018 17:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:112 Resp: 211991

Ion Ratio Lower Upper

112 100

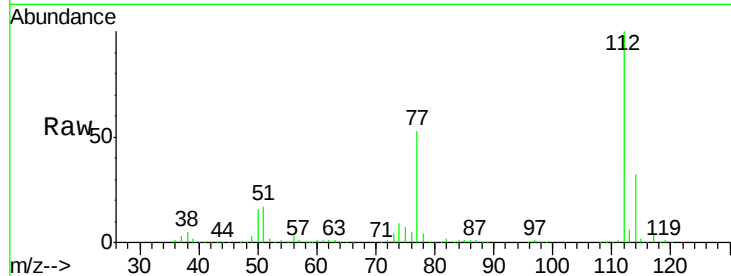
114 32.2 25.6 38.4

Manual Integrations

APPROVED

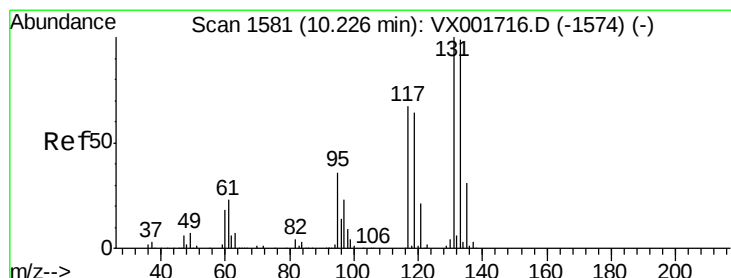
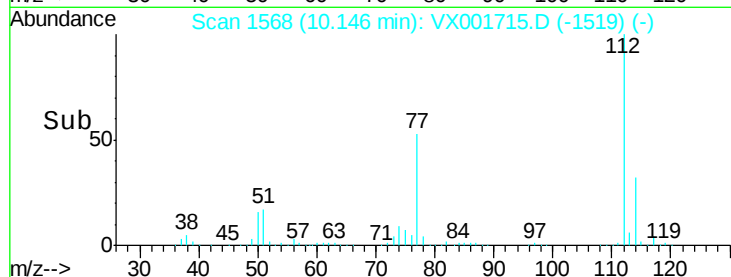
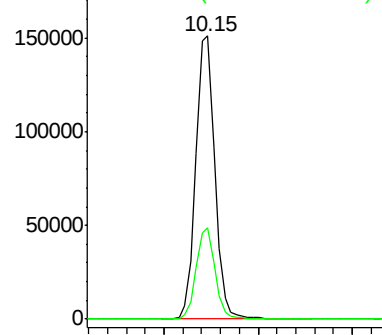
MMDadoda

5/16/2018 11:54:07 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.79 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VX001715.D

Acq: 14 May 2018 17:50

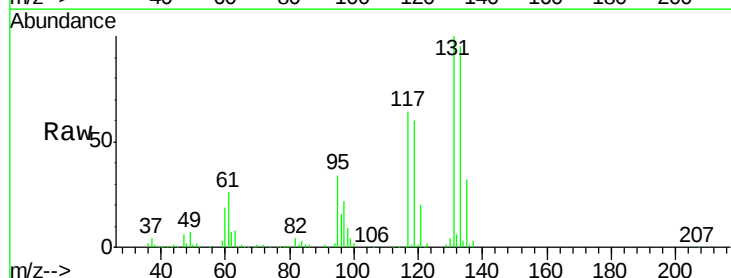
Tgt Ion:131 Resp: 76809

Ion Ratio Lower Upper

131 100

133 95.0 48.5 145.6

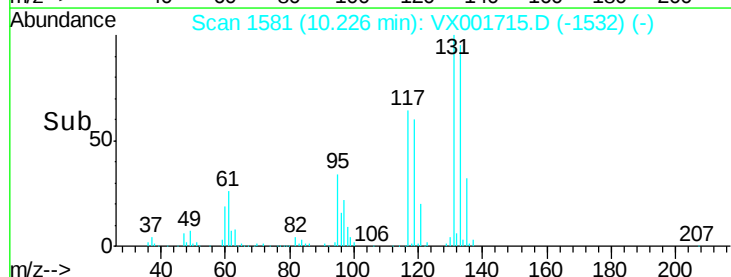
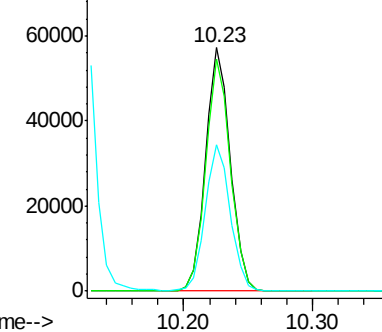
119 61.1 31.9 95.5

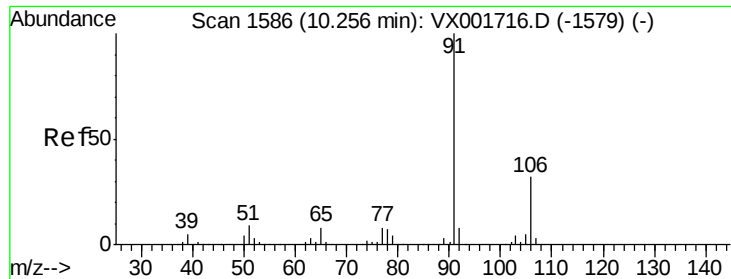


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 19.32 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX001715.D

Acq: 14 May 2018 17:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 344259

Ion Ratio Lower Upper

91 100

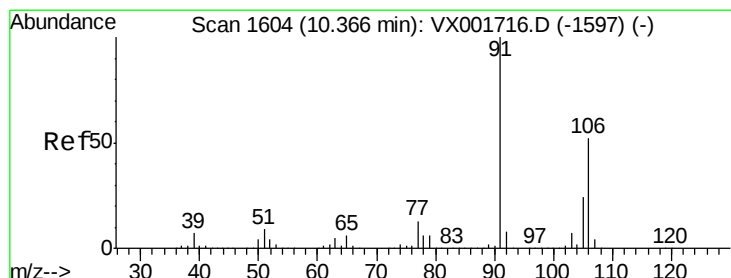
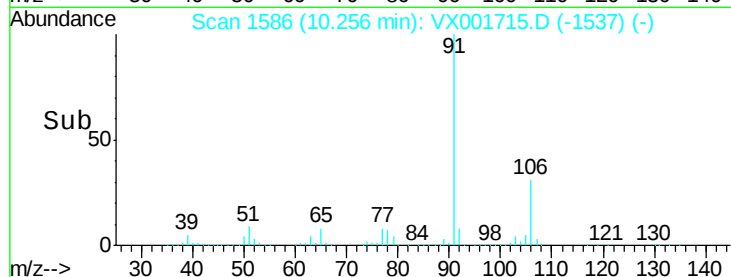
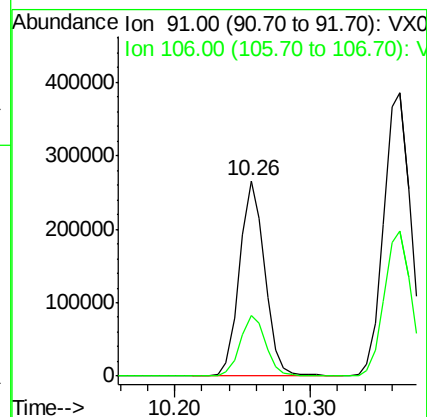
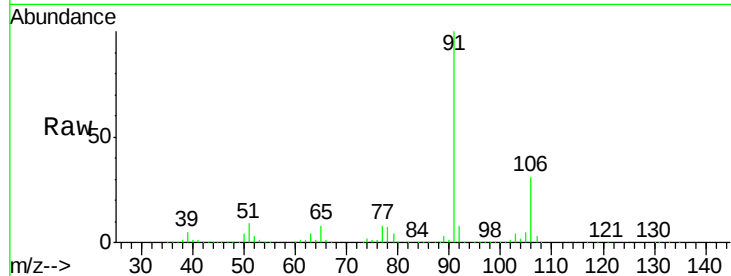
106 31.0 25.7 38.5

Manual Integrations

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#68

m/p-Xylenes

Concen: 39.08 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. -0.00 min

Lab File: VX001715.D

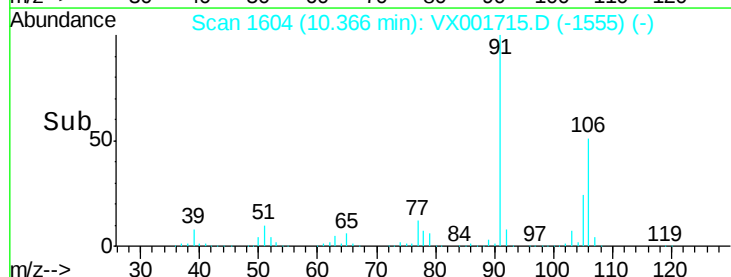
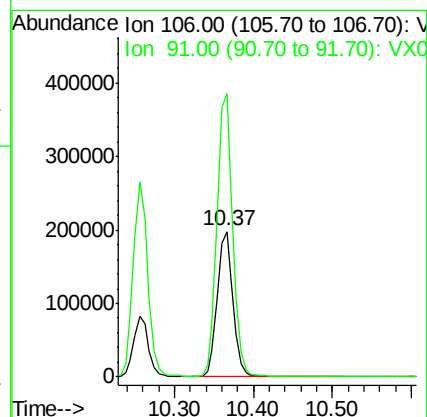
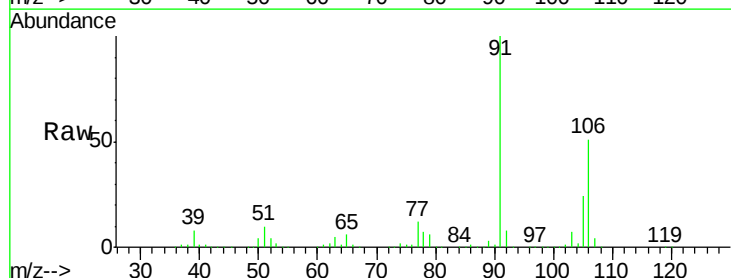
Acq: 14 May 2018 17:50

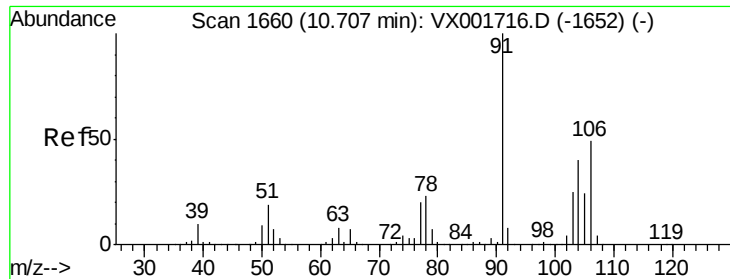
Tgt Ion: 106 Resp: 274842

Ion Ratio Lower Upper

106 100

91 195.7 155.4 233.2





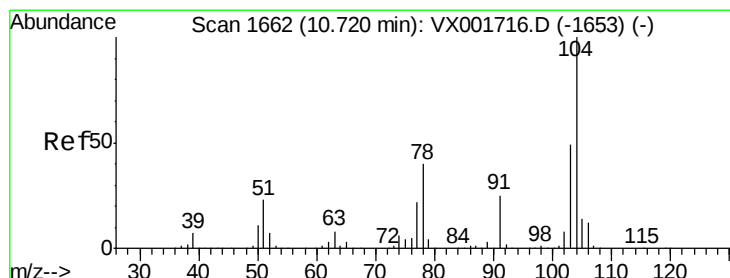
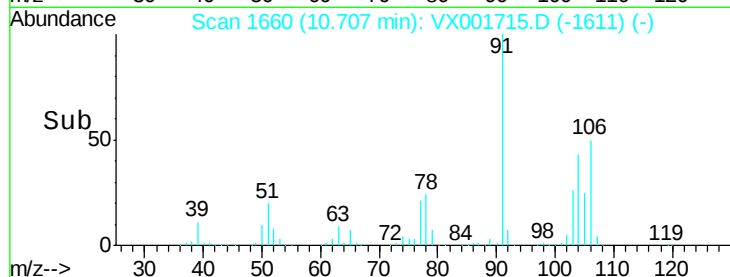
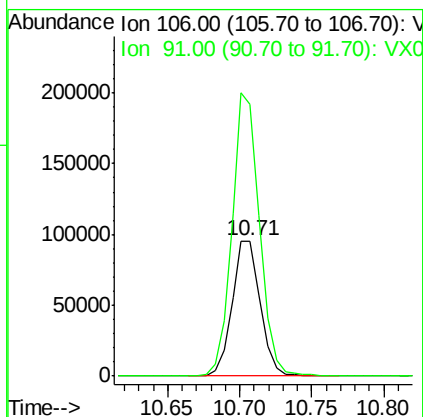
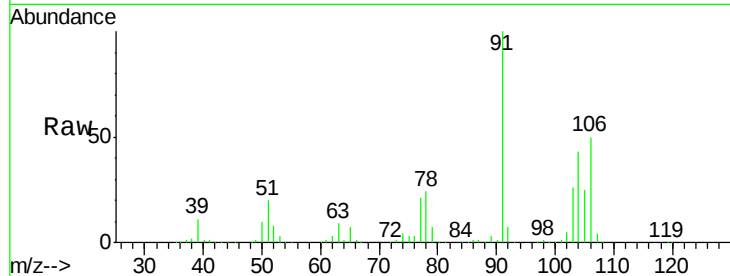
#69
o-Xylene
Concen: 19.21 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. -0.00 min
Lab File: VX001715.D
Acq: 14 May 2018 17:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion:106 Resp: 130954
Ion Ratio Lower Upper
106 100
91 204.5 103.4 310.2

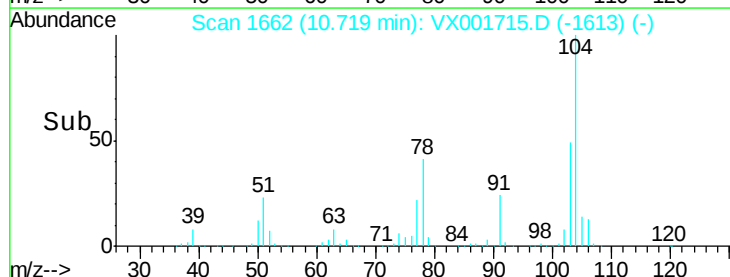
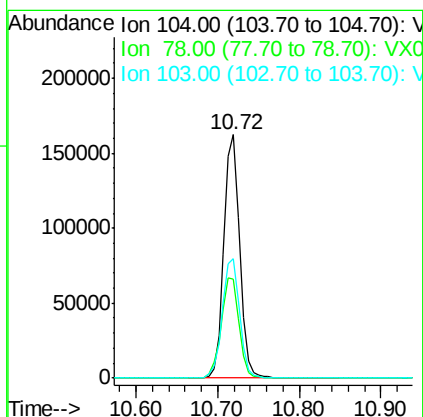
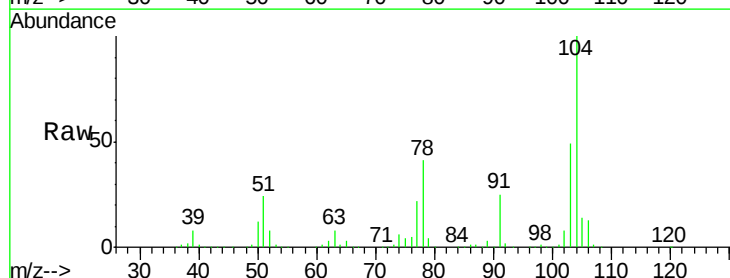
Manual Integrations
APPROVED

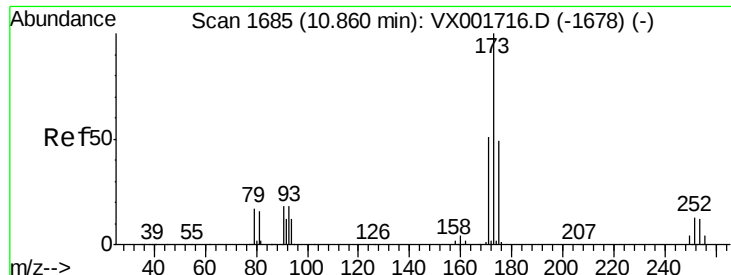
MMDadoda
5/16/2018 11:54:07 AM



#70
Styrene
Concen: 19.76 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VX001715.D
Acq: 14 May 2018 17:50

Tgt Ion:104 Resp: 219246
Ion Ratio Lower Upper
104 100
78 46.8 37.3 55.9
103 54.0 43.7 65.5





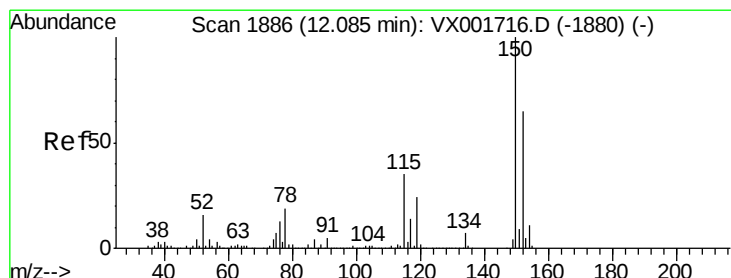
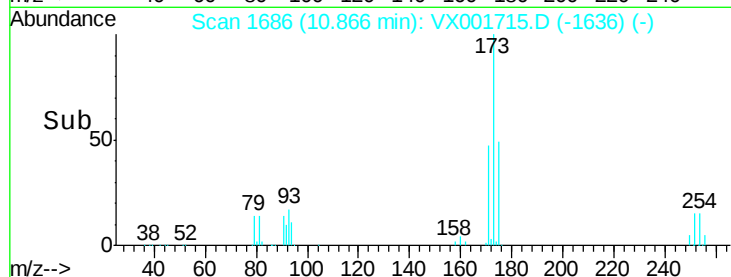
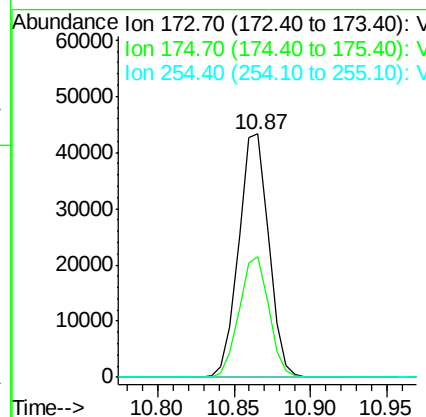
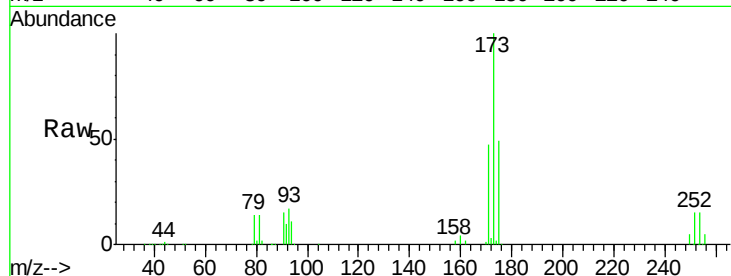
#71
Bromoform
Concen: 18.57 ug/l
RT: 10.87 min Scan# 1686
Delta R.T. 0.01 min
Lab File: VX001715.D
Acq: 14 May 2018 17:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.3	72.8
254	0.2	0.2	0.2

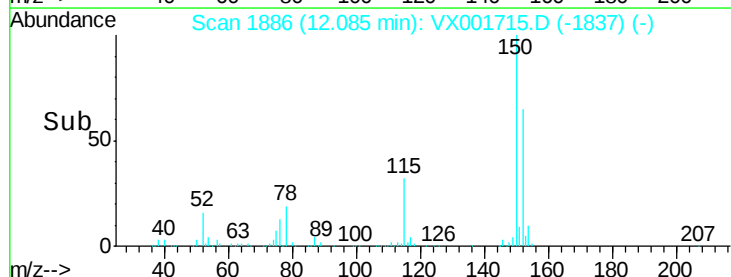
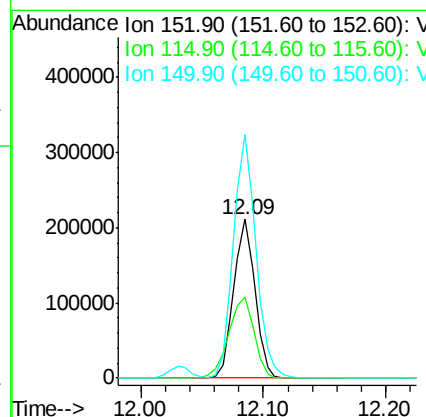
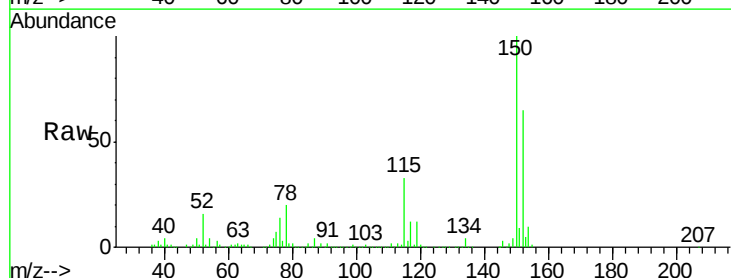
Manual Integrations
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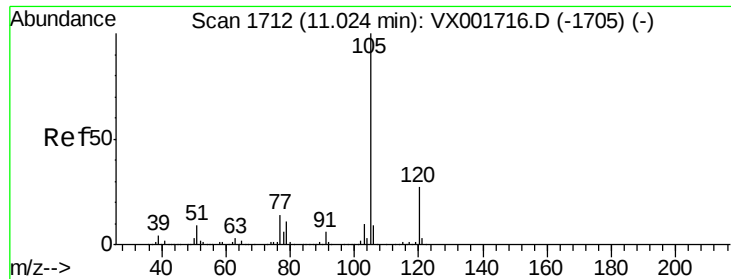
MMDadoda
5/16/2018 11:54:07 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX001715.D
Acq: 14 May 2018 17:50

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.9	37.4	112.2
150	162.2	0.0	344.8





#73

Isopropylbenzene

Concen: 20.26 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX001715.D

Acq: 14 May 2018 17:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 105 Resp: 353753

Ion Ratio Lower Upper

105 100

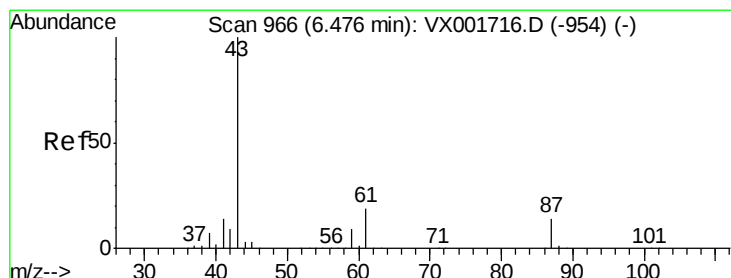
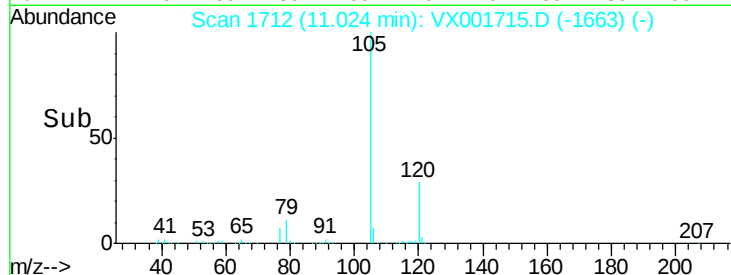
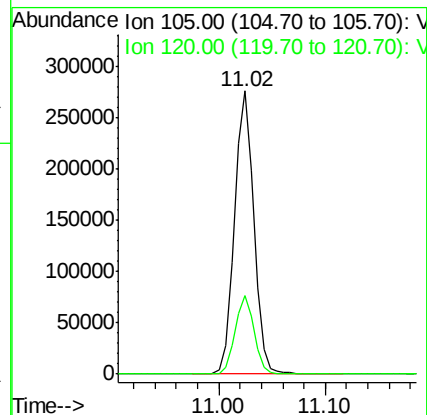
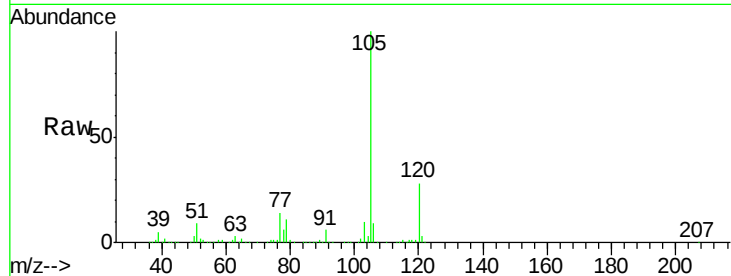
120 27.4 13.8 41.3

Manual Integrations

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MMDadoda

5/16/2018 11:54:07 AM



#74

N-ethyl acetate

Concen: 20.20 ug/l

RT: 6.48 min Scan# 966

Delta R.T. -0.00 min

Lab File: VX001715.D

Acq: 14 May 2018 17:50

Tgt Ion: 43 Resp: 161965

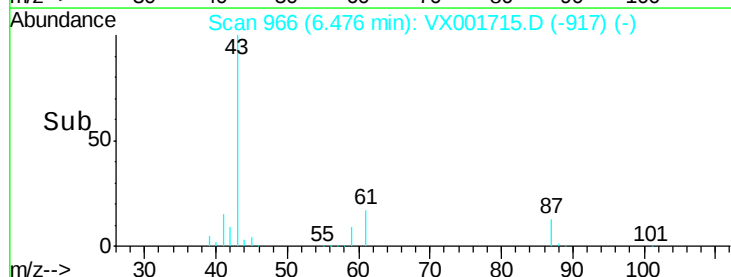
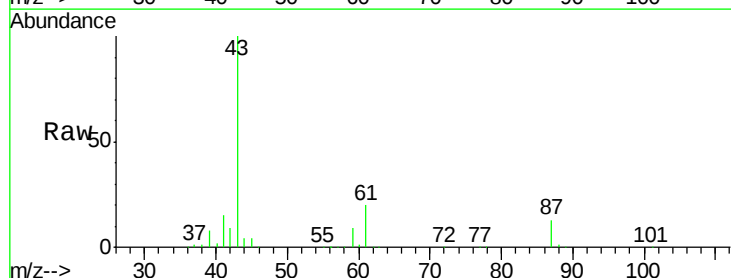
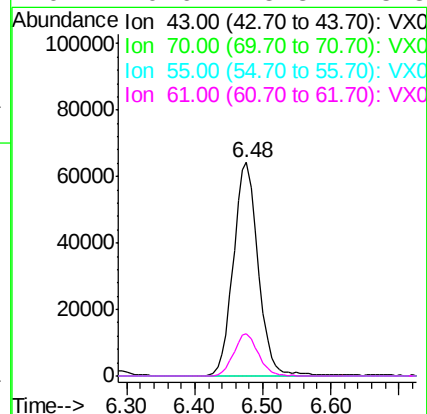
Ion Ratio Lower Upper

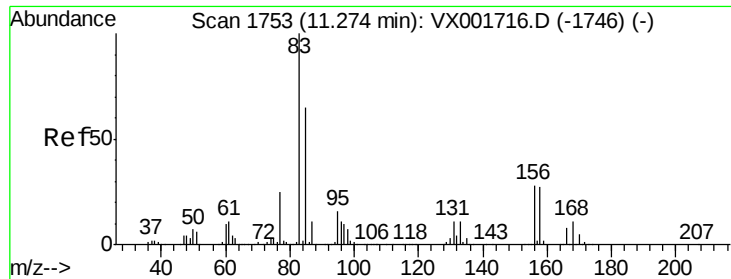
43 100

70 0.0 0.0 0.0

55 0.1 0.1 0.1#

61 19.6 15.8 23.8





#75

1,1,2,2-Tetrachloroethane

Concen: 19.84 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX001715.D

Acq: 14 May 2018 17:50

Instrument :

MSVOA_X

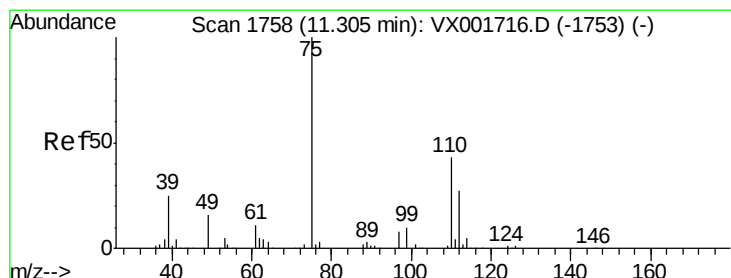
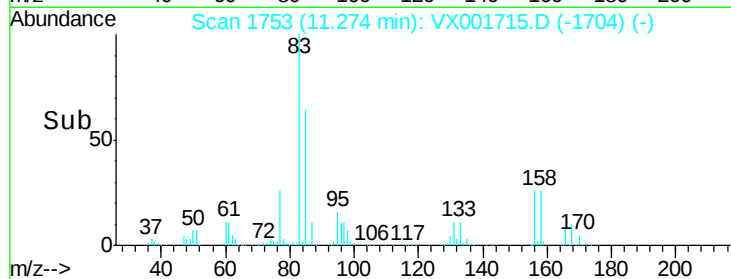
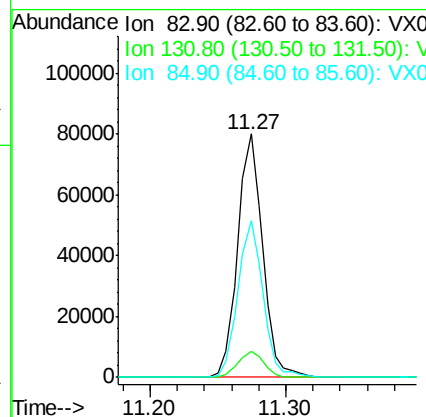
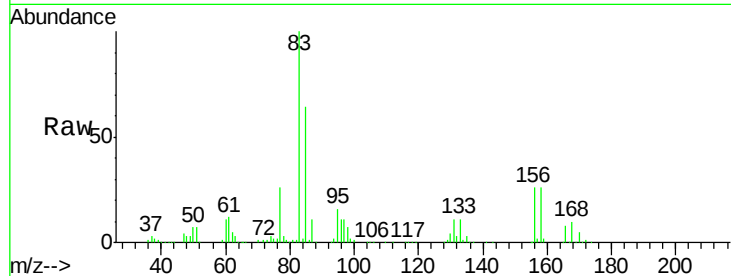
ClientSampleId :

VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
131	10.9	5.7	17.0
85	64.9	32.7	98.1

Manual Integrations
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MMDadoda
5/16/2018 11:54:07 AM



#76

1,2,3-Trichloropropane

Concen: 19.66 ug/l m

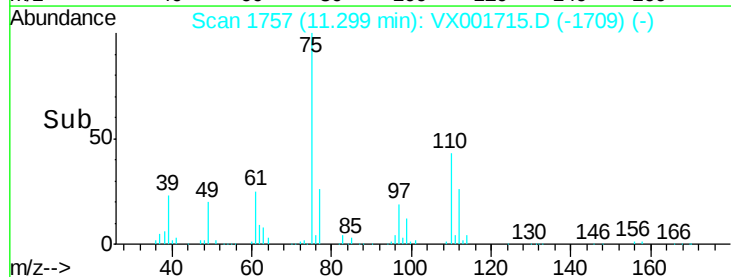
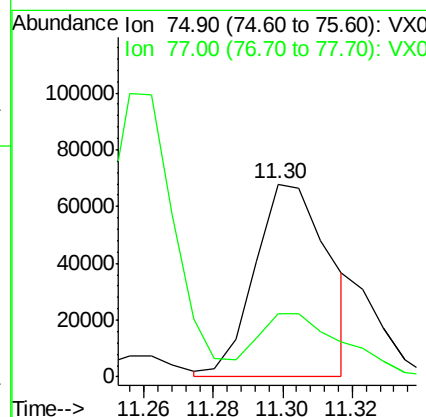
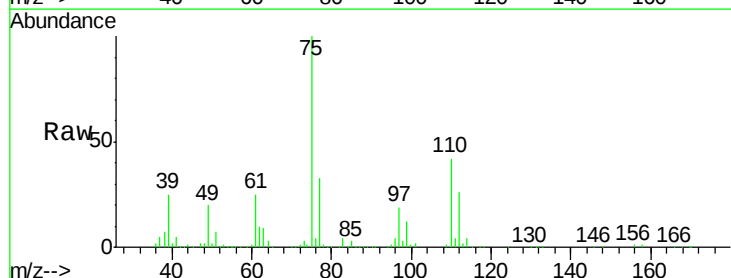
RT: 11.30 min Scan# 1757

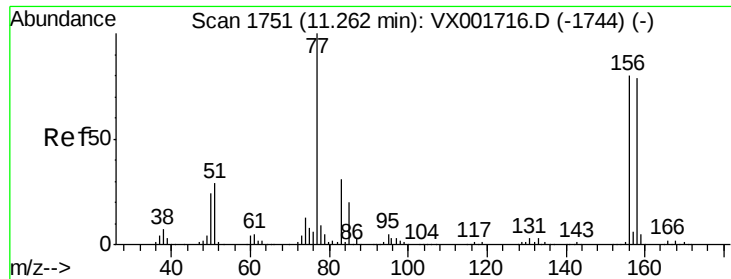
Delta R.T. -0.01 min

Lab File: VX001715.D

Acq: 14 May 2018 17:50

Tgt Ion	Ratio	Lower	Upper
75	100		
77	37.8	18.9	56.7





#77

Bromobenzene

Concen: 19.94 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX001715.D

Acq: 14 May 2018 17:50

Instrument :

MSVOA_X

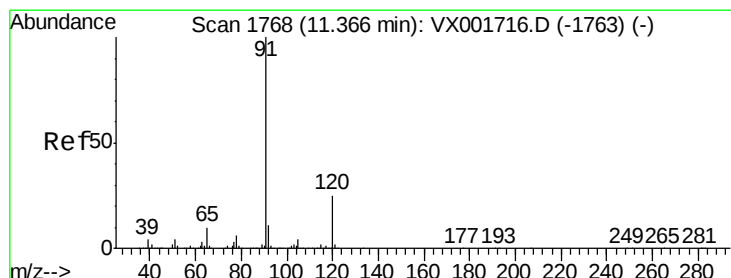
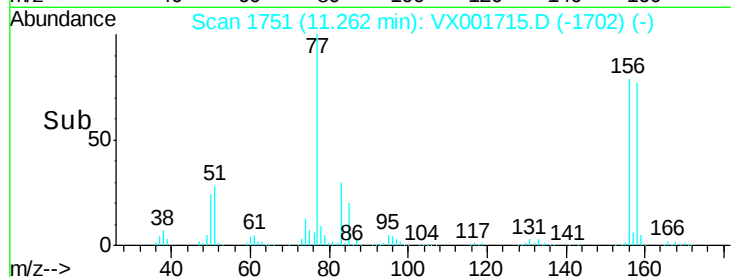
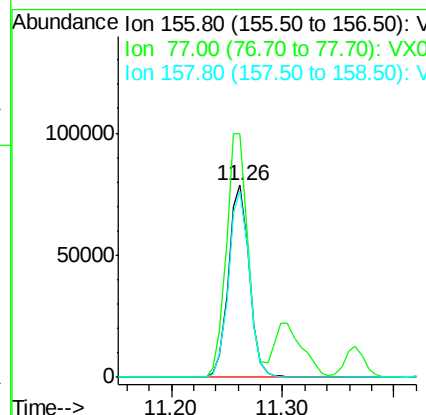
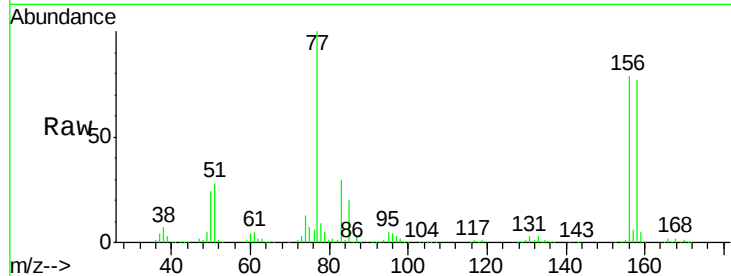
ClientSampleId :

VSTDIC020

Tot Ion:	156	Resp:	101572
Ion Ratio	Lower	Upper	
156	100		
77	132.6	65.3	196.0
158	97.3	49.1	147.3

Manual Integrations
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5/16/2018 11:54:07 AM



#78

n-propylbenzene

Concen: 20.90 ug/l

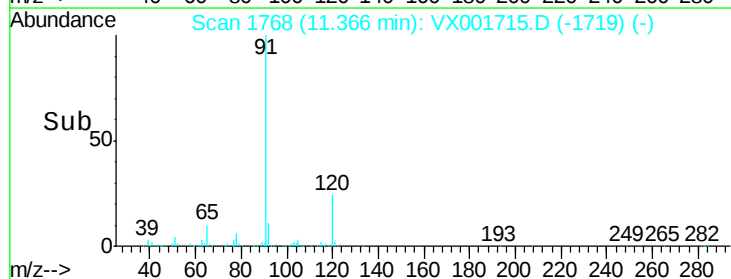
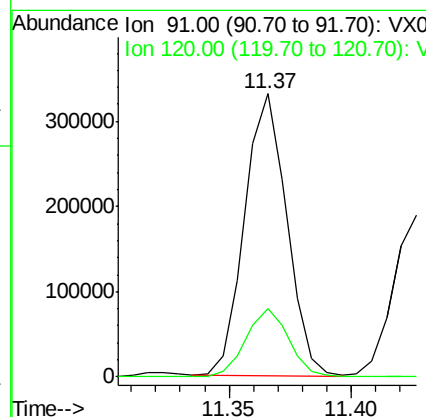
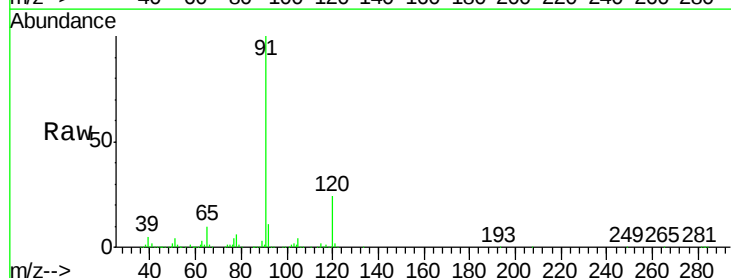
RT: 11.37 min Scan# 1768

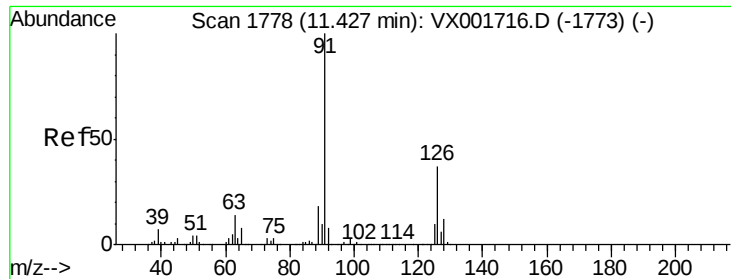
Delta R.T. -0.00 min

Lab File: VX001715.D

Acq: 14 May 2018 17:50

Tgt Ion:	91	Resp:	398135
Ion Ratio	Lower	Upper	
91	100		
120	24.6	12.5	37.5





#79

2-Chlorotoluene

Concen: 20.25 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX001715.D

Acq: 14 May 2018 17:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 236529

Ion Ratio Lower Upper

91 100

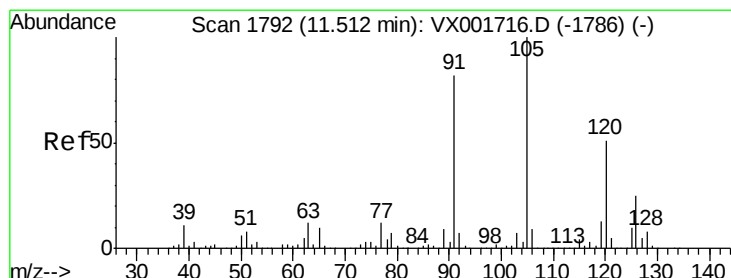
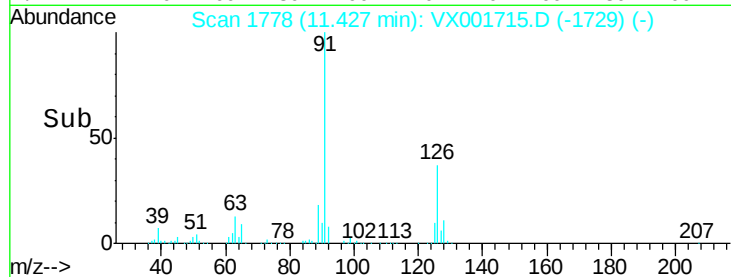
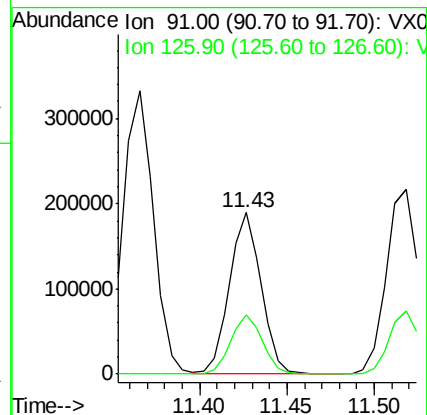
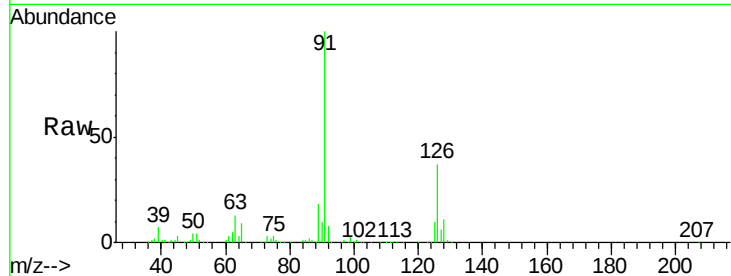
126 37.1 18.4 55.4

Manual Integrations

APPROVED

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5/16/2018 11:54:07 AM



#80

1,3,5-Trimethylbenzene

Concen: 20.25 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX001715.D

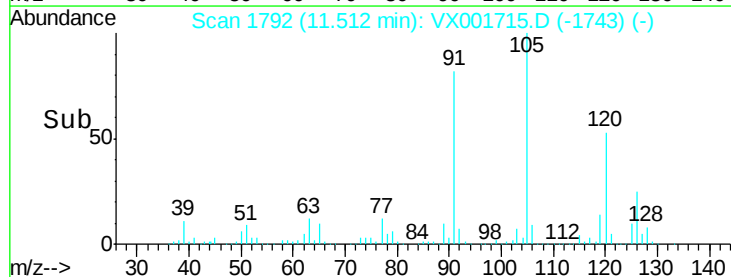
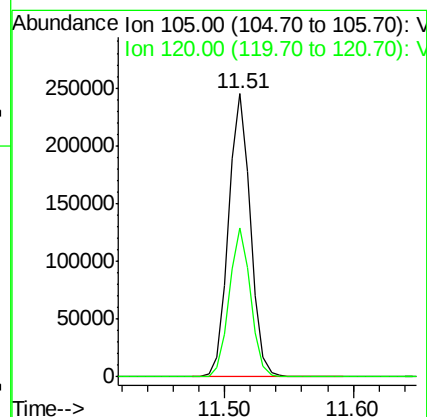
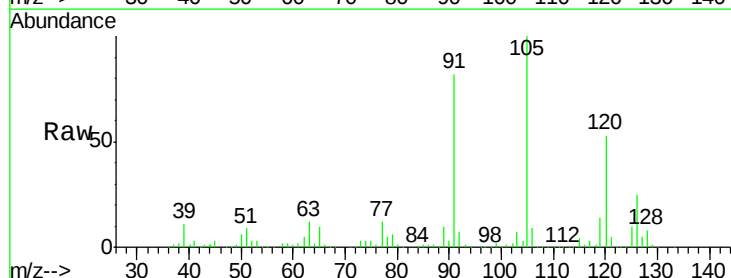
Acq: 14 May 2018 17:50

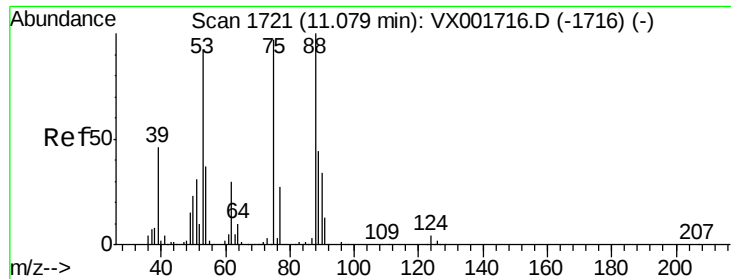
Tgt Ion: 105 Resp: 293957

Ion Ratio Lower Upper

105 100

120 51.5 25.7 77.0





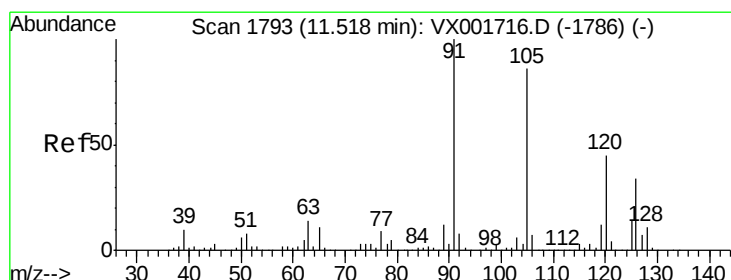
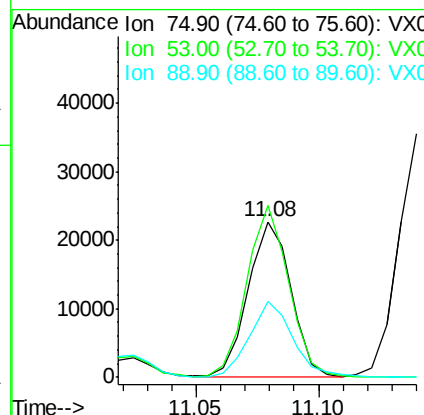
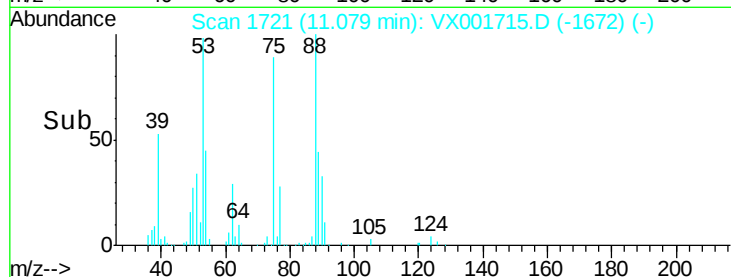
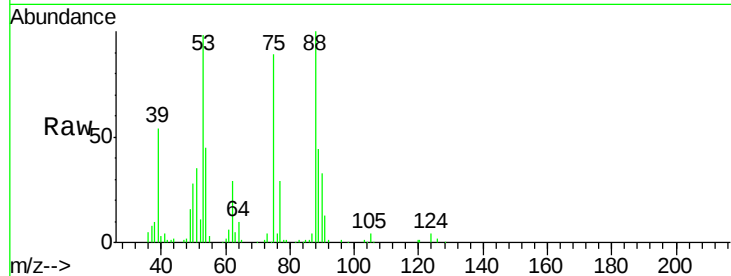
#81
trans-1,4-Dichloro-2-butene
Concen: 20.24 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. -0.00 min
Lab File: VX001715.D
Acq: 14 May 2018 17:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	109.8	79.4	119.2
89	50.6	38.8	58.2

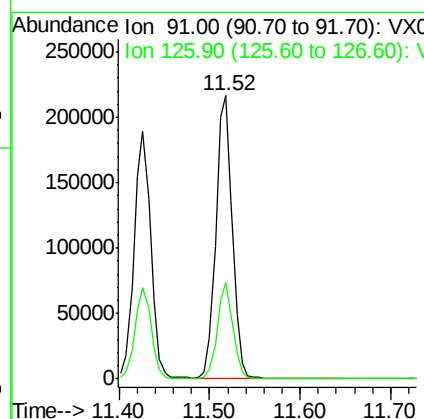
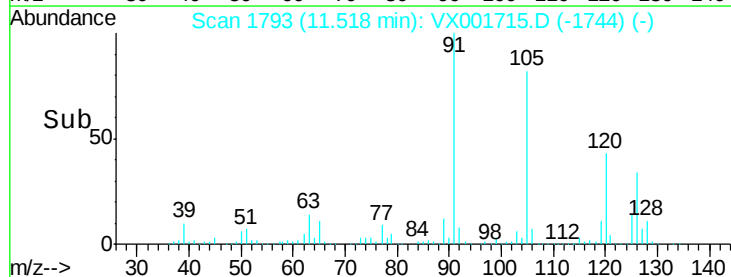
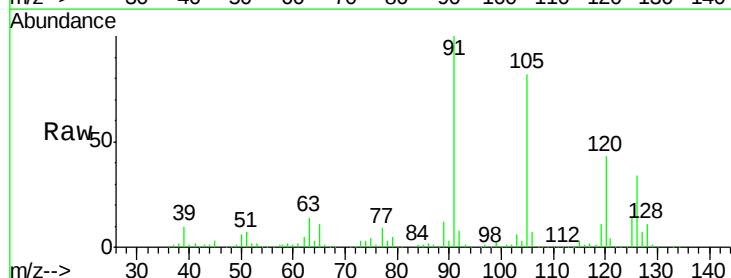
Manual Integrations
APPROVED

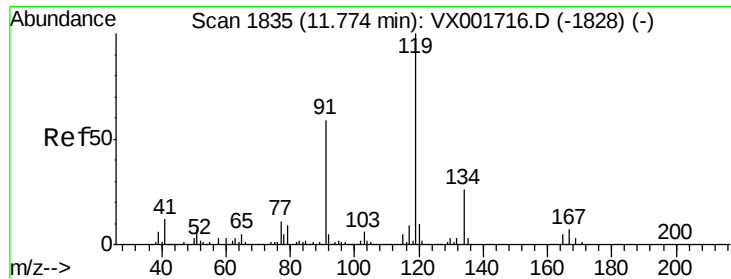
MMDadoda
5/16/2018 11:54:07 AM



#82
4-Chlorotoluene
Concen: 20.64 ug/l
RT: 11.52 min Scan# 1793
Delta R.T. -0.00 min
Lab File: VX001715.D
Acq: 14 May 2018 17:50

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.3	16.4	49.1





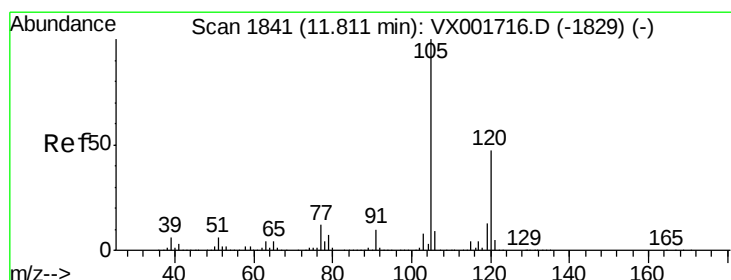
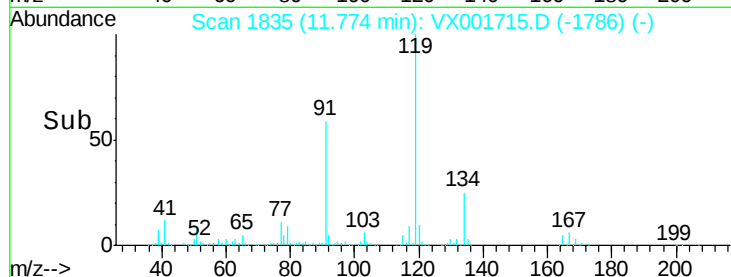
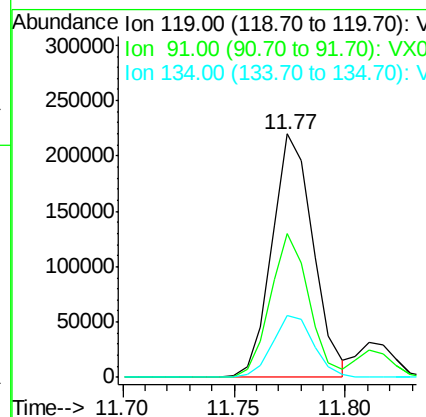
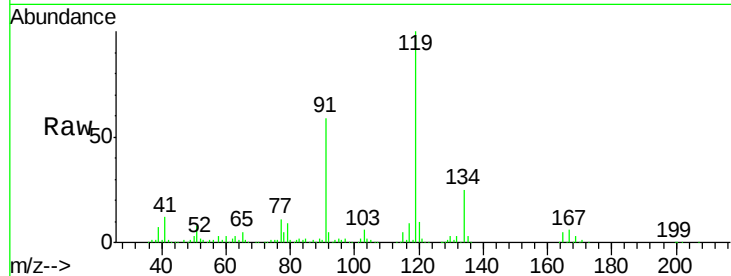
#83
tert-Butylbenzene
Concen: 19.58 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX001715.D
Acq: 14 May 2018 17:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
119	100		
91	55.8	27.7	83.0
134	25.5	12.7	38.1

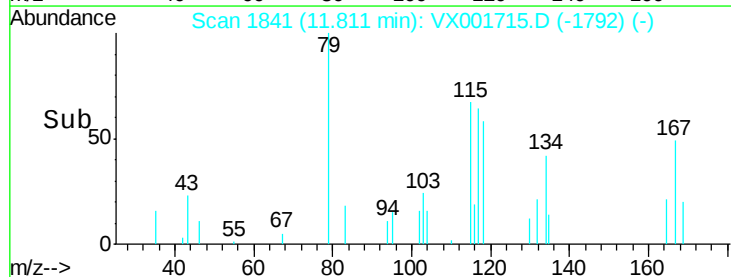
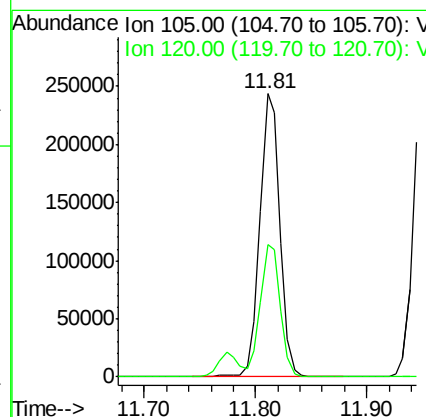
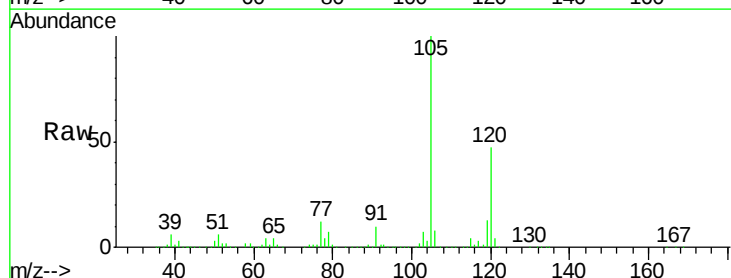
Manual Integrations
APPROVED

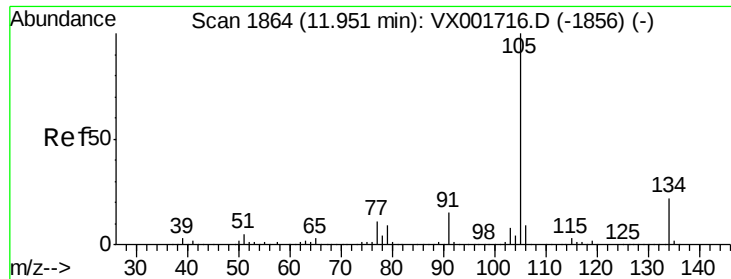
MMDadoda
5/16/2018 11:54:07 AM



#84
1,2,4-Trimethylbenzene
Concen: 20.46 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. -0.00 min
Lab File: VX001715.D
Acq: 14 May 2018 17:50

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.6	23.5	70.5





#85

sec-Butylbenzene

Concen: 20.50 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX001715.D

Acq: 14 May 2018 17:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 355686

Ion Ratio Lower Upper

105 100

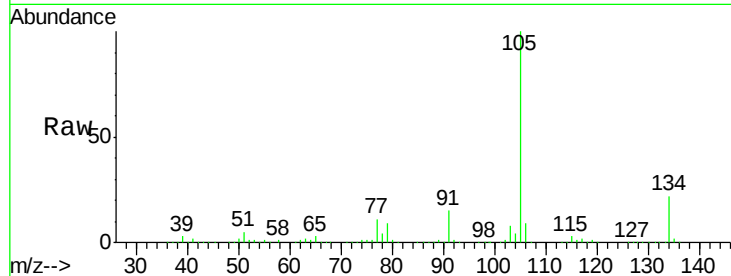
134 21.6 10.9 32.6

Manual Integrations

APPROVED

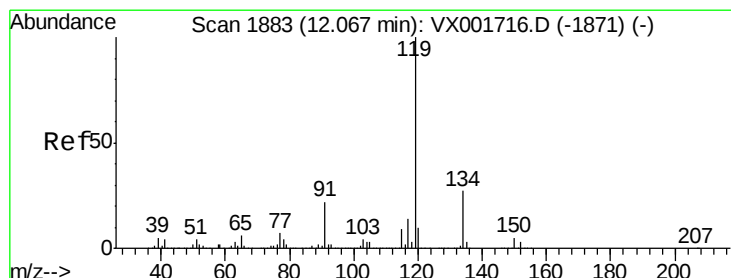
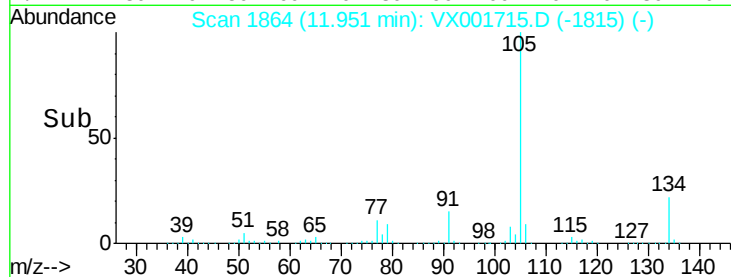
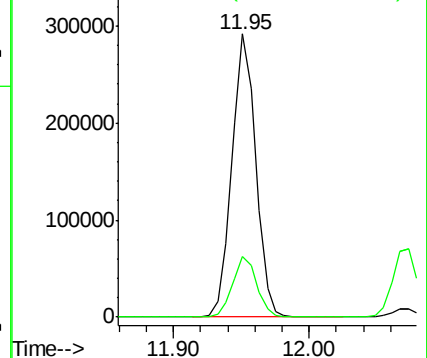
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.78 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX001715.D

Acq: 14 May 2018 17:50

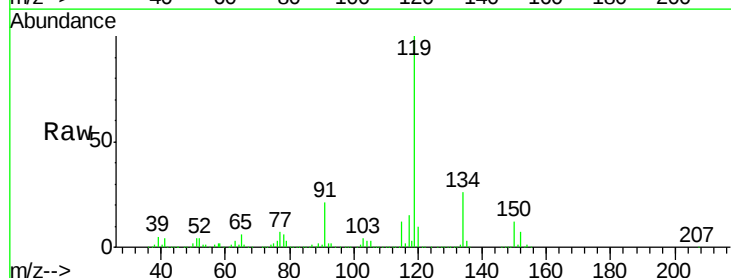
Tgt Ion:119 Resp: 330024

Ion Ratio Lower Upper

119 100

134 26.7 13.6 40.8

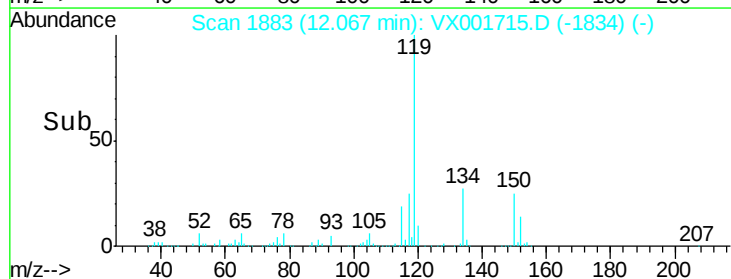
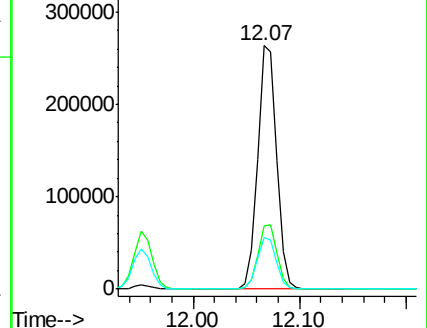
91 21.4 10.7 32.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





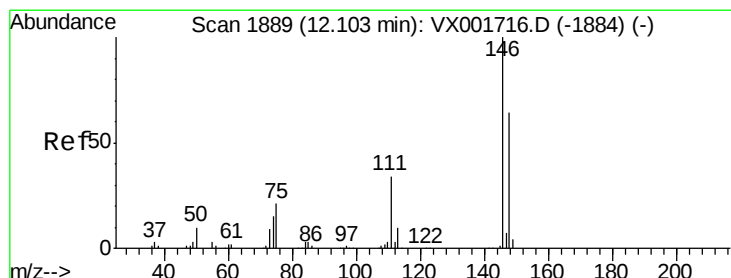
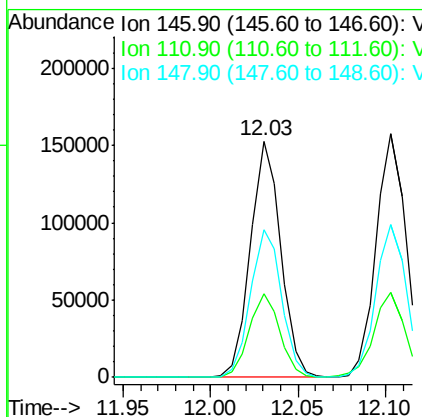
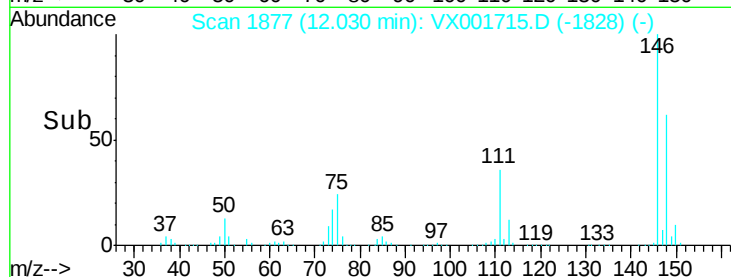
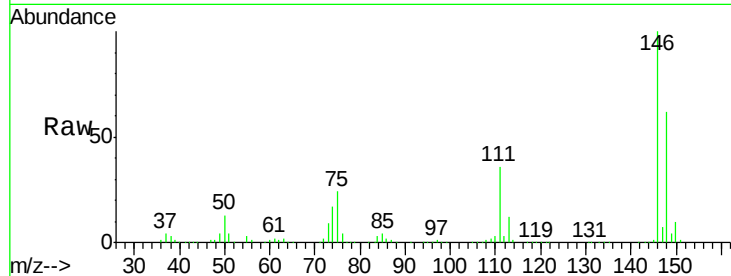
#87
 1,3-Dichlorobenzene
 Concen: 20.35 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX001715.D
 Acq: 14 May 2018 17:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.8	17.8	53.4
148	64.1	32.1	96.3

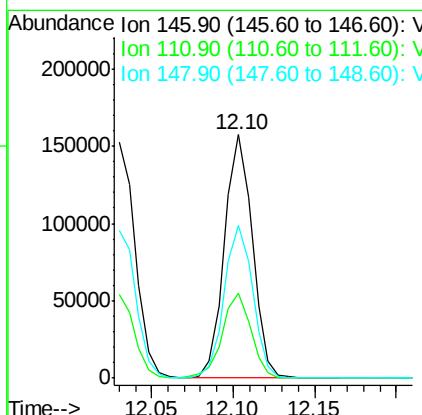
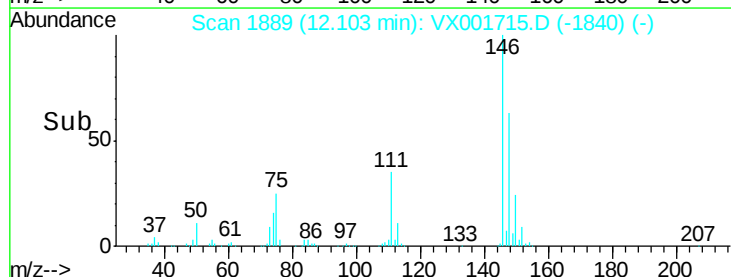
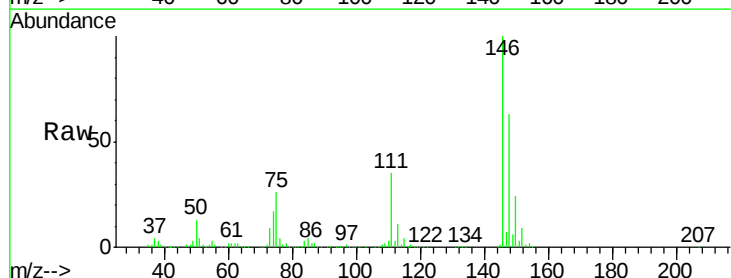
Manual Integrations
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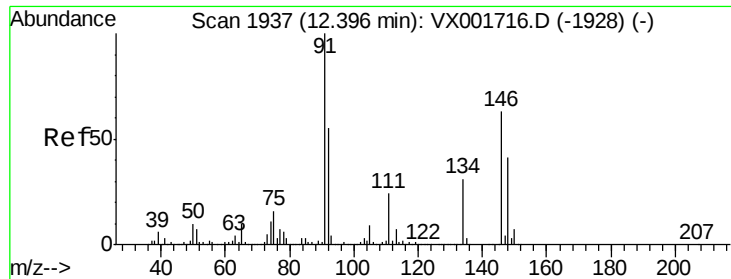
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#88
 1,4-Dichlorobenzene
 Concen: 20.22 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX001715.D
 Acq: 14 May 2018 17:50

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.2	17.3	52.0
148	64.4	32.3	96.9





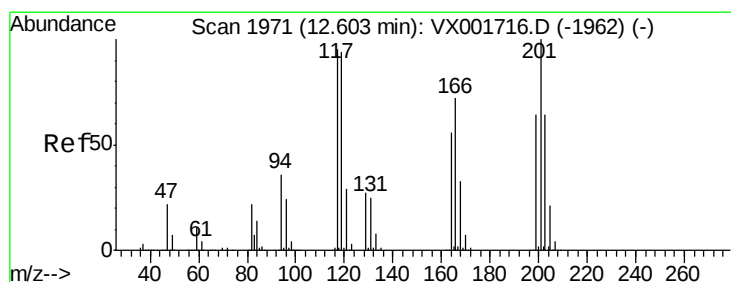
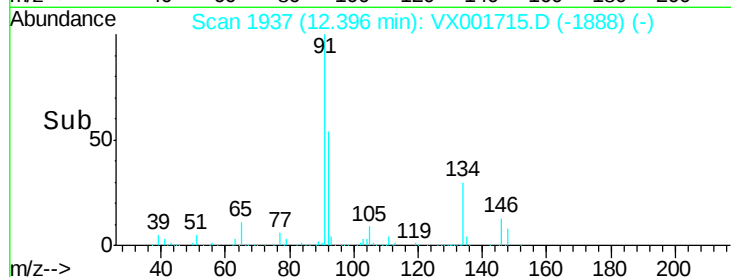
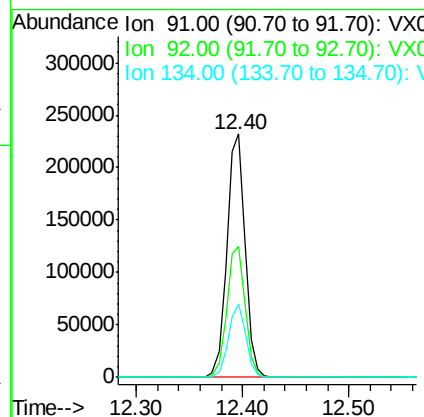
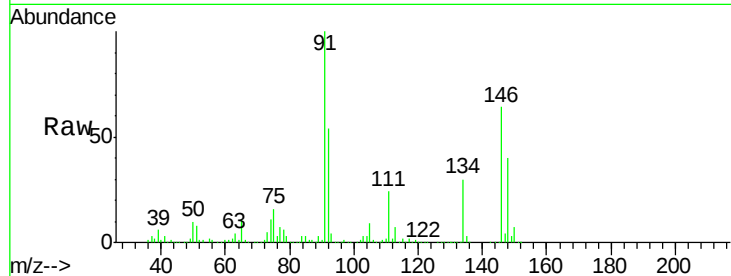
#89
n-Butylbenzene
Concen: 20.83 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VX001715.D
Acq: 14 May 2018 17:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
91	100	275974		
92	54.3		27.3	81.9
134	29.1		14.7	44.1

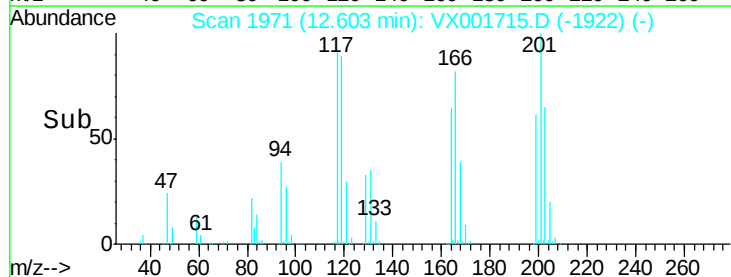
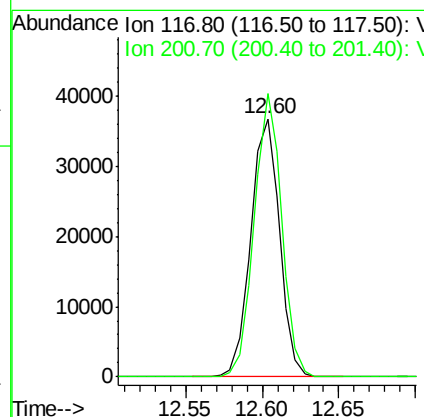
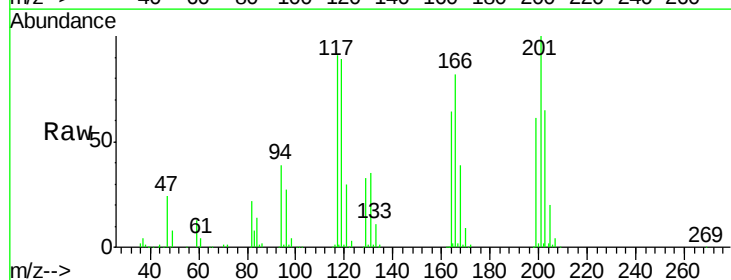
Manual Integrations
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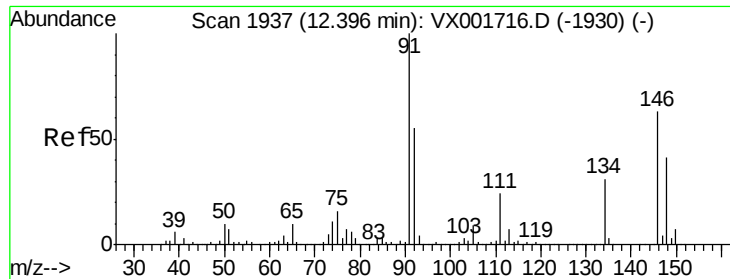
MMDadoda
5/16/2018 11:54:07 AM



#90
Hexachloroethane
Concen: 19.82 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VX001715.D
Acq: 14 May 2018 17:50

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	47925		
201	105.0		51.9	155.7





#91

1,2-Dichlorobenzene

Concen: 19.99 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VX001715.D

Acq: 14 May 2018 17:50

Instrument :

MSVOA_X

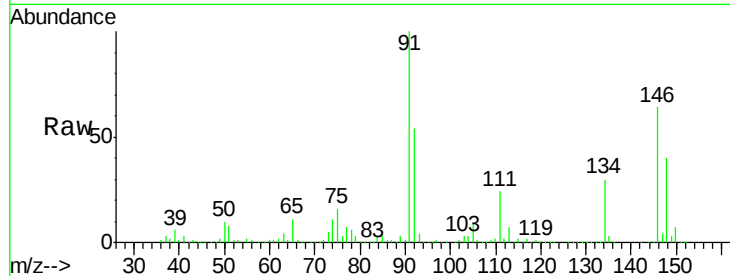
ClientSampleId :

VSTDIC020

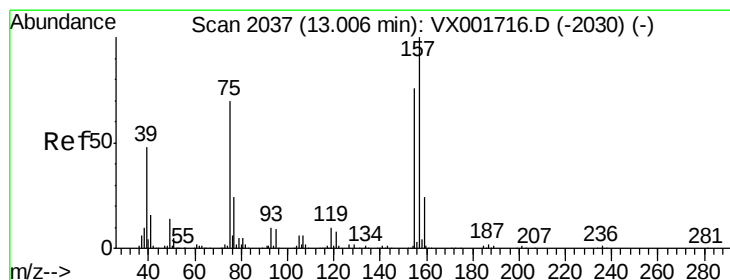
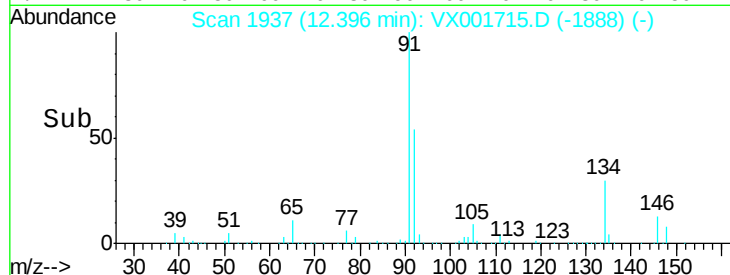
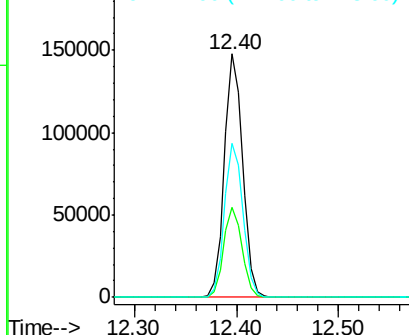
Tot Ion:	146	Resp:	184447
Ion Ratio	Lower	Upper	
146	100		
111	37.3	18.6	56.0
148	64.1	32.4	97.0

Manual Integrations
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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.28 ug/l

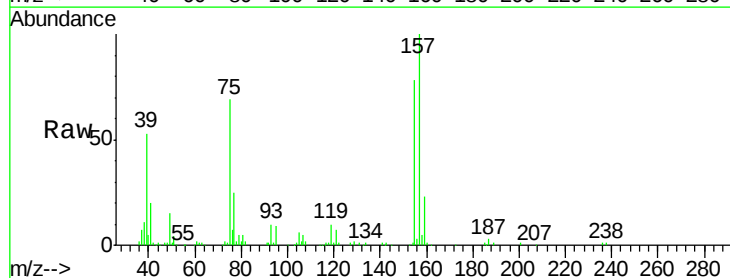
RT: 13.01 min Scan# 2037

Delta R.T. -0.00 min

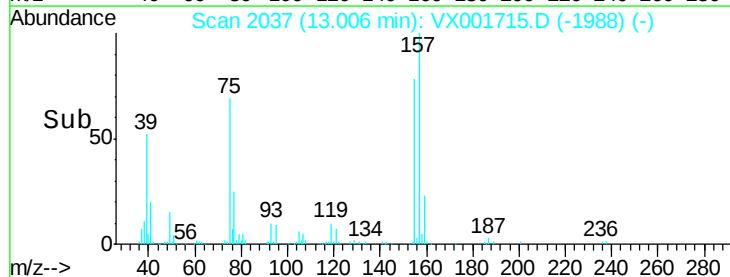
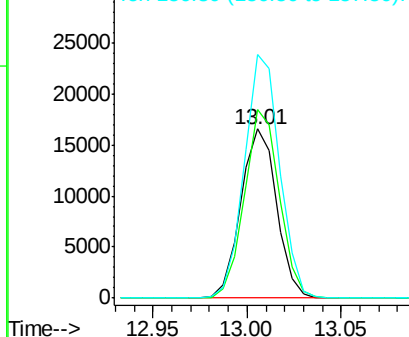
Lab File: VX001715.D

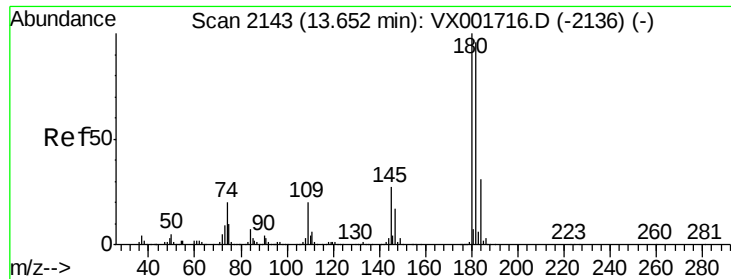
Acq: 14 May 2018 17:50

Tgt Ion:	75	Resp:	21742
Ion Ratio	Lower	Upper	
75	100		
155	109.0	53.9	161.8
157	142.1	71.0	213.2



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





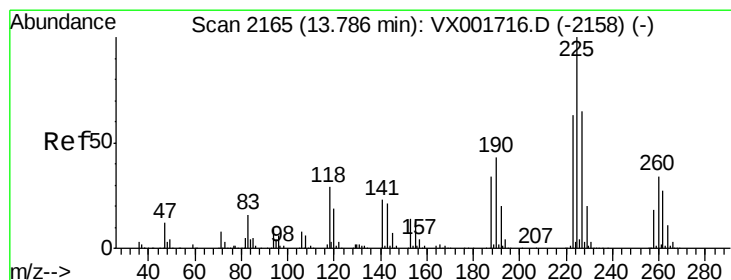
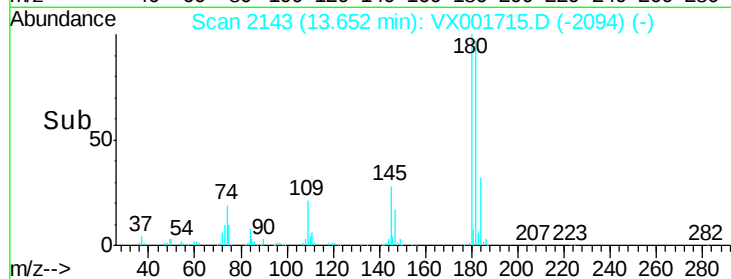
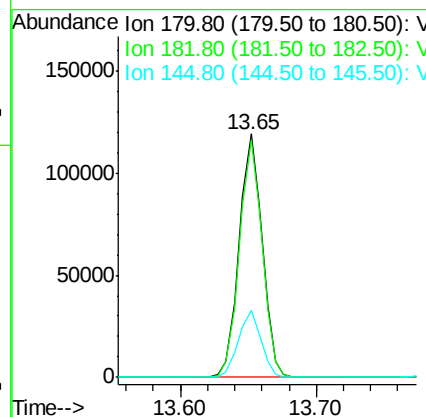
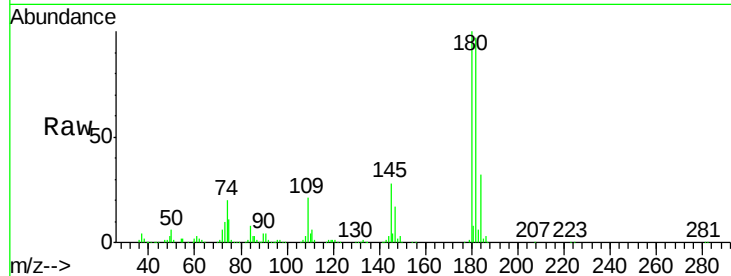
#93
 1,2,4-Trichlorobenzene
 Concen: 20.53 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX001715.D
 Acq: 14 May 2018 17:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	140242		
182	96.2	47.6	142.9	
145	27.1	13.4	40.1	

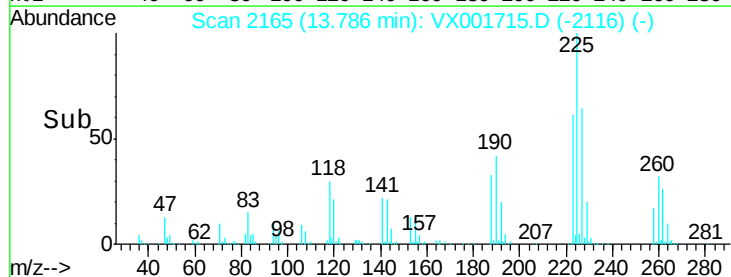
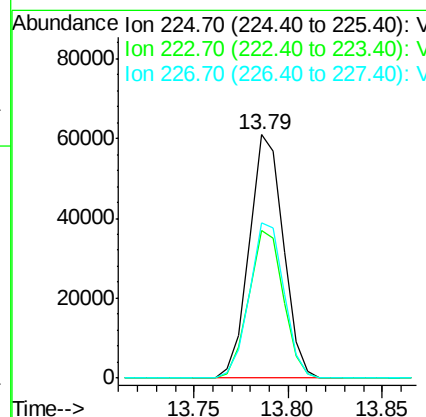
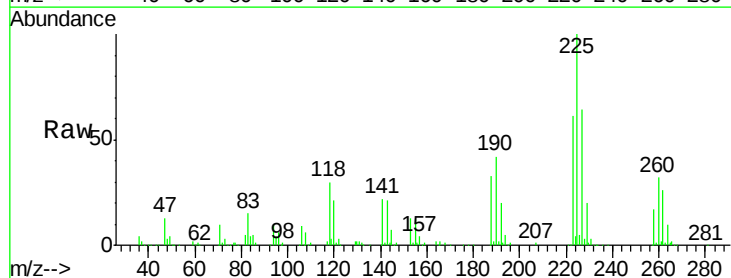
Manual Integrations
 APPROVED

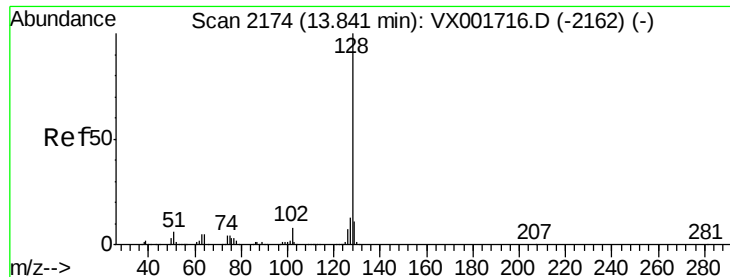
MMDadoda
 5/16/2018 11:54:07 AM



#94
 Hexachlorobutadiene
 Concen: 20.50 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX001715.D
 Acq: 14 May 2018 17:50

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	76543		
223	61.2	31.1	93.5	
227	64.7	31.9	95.5	





#95

Naphthalene

Concen: 20.57 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX001715.D

Acq: 14 May 2018 17:50

Instrument :

MSVOA_X

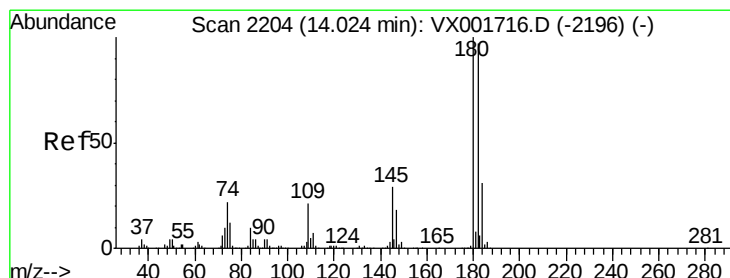
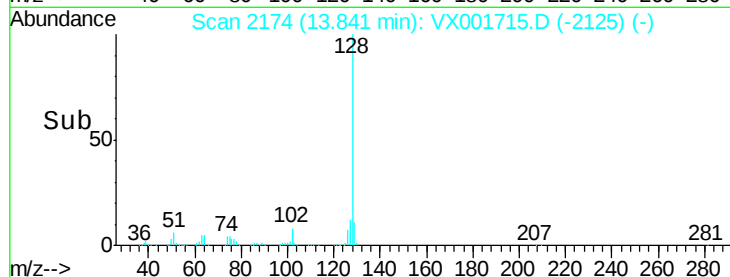
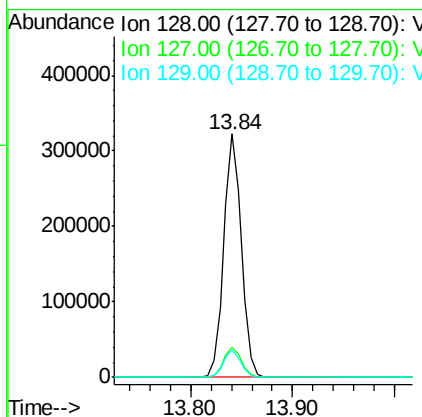
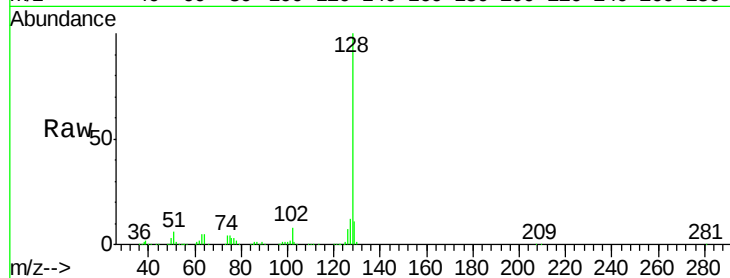
ClientSampleId :

VSTDIC020

Tot Ion:	128	Resp:	385920
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.2	15.4
129	10.9	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
5/16/2018 11:54:07 AM



#96

1,2,3-Trichlorobenzene

Concen: 20.63 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX001715.D

Acq: 14 May 2018 17:50

Tgt Ion:	180	Resp:	143941
Ion Ratio	Lower	Upper	
180	100		
182	96.2	47.9	143.7
145	28.4	14.2	42.8

