

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060719\
 Data File : VX010104.D
 Acq On : 07 Jun 2019 12:41
 Operator : JC/SP
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 6/10/2019 10:53:35 AM

Quant Time: Jun 07 13:13:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060719W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 07 13:02:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	323669	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	489425	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	446367	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	223347	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	152890	50.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.00%	
35) Dibromofluoromethane	5.50	113	148020	50.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.00%	
50) Toluene-d8	8.71	98	562893	50.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.00%	
62) 4-Bromofluorobenzene	11.13	95	210675	50.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	160689	50.000	ug/l	97
3) Chloromethane	1.32	50	147085	50.000	ug/l	99
4) Vinyl Chloride	1.41	62	138235	50.000	ug/l	100
5) Bromomethane	1.64	94	51579	50.000	ug/l	97
6) Chloroethane	1.71	64	77184	50.000	ug/l	100
7) Trichlorofluoromethane	1.92	101	202209	50.000	ug/l	98
8) Diethyl Ether	2.19	74	67121	50.000	ug/l	79
9) 1,1,2-Trichlorotrifluoroet	2.38	101	136283	50.000	ug/l	91
10) Methyl Iodide	2.51	142	224814	50.000	ug/l	96
11) Tert butyl alcohol	3.05	59	191192	250.000	ug/l	99
12) 1,1-Dichloroethene	2.37	96	140524	50.000	ug/l #	79
13) Acrolein	2.29	56	38439	250.000	ug/l	99
14) Allyl chloride	2.73	41	210770	50.000	ug/l #	87
15) Acrylonitrile	3.14	53	387718	250.000	ug/l	99
16) Acetone	2.45	43	357178	250.000	ug/l #	89
17) Carbon Disulfide	2.57	76	395622	50.000	ug/l	99
18) Methyl Acetate	2.78	43	153611	50.000	ug/l #	83
19) Methyl tert-butyl Ether	3.20	73	449614	50.000	ug/l	93
20) Methylene Chloride	2.85	84	154659	50.000	ug/l #	78
21) trans-1,2-Dichloroethene	3.17	96	151883	50.000	ug/l #	79
22) Diisopropyl ether	3.85	45	413519	50.000	ug/l #	89
23) Vinyl Acetate	3.81	43	1863379	250.000	ug/l #	87
24) 1,1-Dichloroethane	3.70	63	243265	50.000	ug/l	96
25) 2-Butanone	4.67	43	546610	250.000	ug/l #	82
26) 2,2-Dichloropropane	4.58	77	223929	50.000	ug/l	95
27) cis-1,2-Dichloroethene	4.59	96	173271	50.000	ug/l	80
28) Bromochloromethane	5.01	49	109911	50.000	ug/l #	48
29) Tetrahydrofuran	5.13	42	337741	250.000	ug/l #	74
30) Chloroform	5.21	83	257584	50.000	ug/l	97
31) Cyclohexane	5.58	56	227046	50.000	ug/l #	75
32) 1,1,1-Trichloroethane	5.49	97	234778	50.000	ug/l	94
36) 1,1-Dichloropropene	5.80	75	191159	50.000	ug/l	92
37) Ethyl Acetate	4.84	43	201236	50.000	ug/l #	91
38) Carbon Tetrachloride	5.78	117	216553	50.000	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	258758	50.000	ug/l #	85
40) Benzene	6.14	78	601492	50.000	ug/l	98
41) Methacrylonitrile	5.04	41	109919	50.000	ug/l #	85
42) 1,2-Dichloroethane	6.20	62	191176	50.000	ug/l	95
43) Isopropyl Acetate	6.45	43	335272	50.000	ug/l #	89
44) Trichloroethene	7.21	130	177476	50.000	ug/l	89
45) 1,2-Dichloropropane	7.51	63	150359	50.000	ug/l	99
46) Dibromomethane	7.66	93	108272	50.000	ug/l	92
47) Bromodichloromethane	7.90	83	211150	50.000	ug/l	100
48) Methyl methacrylate	7.77	41	162485	50.000	ug/l #	79
49) 1,4-Dioxane	7.74	88	89368	1000.000	ug/l #	80
51) 4-Methyl-2-Pentanone	8.64	43	1047102	250.000	ug/l	89
52) Toluene	8.78	92	389904	50.000	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	245237	50.000	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	260095	50.000	ug/l #	89
55) 1,1,2-Trichloroethane	9.21	97	163204	50.000	ug/l	96
56) Ethyl methacrylate	9.18	69	261454	50.000	ug/l #	83
57) 1,3-Dichloropropane	9.37	76	253370	50.000	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	623933	250.000	ug/l #	86
59) 2-Hexanone	9.49	43	828571	250.000	ug/l	88
60) Dibromochloromethane	9.58	129	193004	50.000	ug/l	100
61) 1,2-Dibromoethane	9.67	107	179025	50.000	ug/l	100
64) Tetrachloroethene	9.34	164	155284	50.000	ug/l	97
65) Chlorobenzene	10.13	112	444694	50.000	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	171360	50.000	ug/l	100
67) Ethyl Benzene	10.25	91	758030	50.000	ug/l	94
68) m/p-Xylenes	10.36	106	586760	100.000	ug/l	91
69) o-Xylene	10.69	106	288506	50.000	ug/l	91
70) Styrene	10.71	104	501406	50.000	ug/l	95
71) Bromoform	10.85	173	158985	50.000	ug/l #	98
73) Isopropylbenzene	11.02	105	755560	50.000	ug/l	95
74) N-amyl acetate	10.90	43	301468	50.000	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	11.27	83	255781	50.000	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	214394m	50.185	ug/l	
77) Bromobenzene	11.26	156	206666	50.000	ug/l	84
78) n-propylbenzene	11.36	91	848658	50.000	ug/l	95
79) 2-Chlorotoluene	11.42	91	504732	50.000	ug/l	92
80) 1,3,5-Trimethylbenzene	11.51	105	632148	50.000	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	99585	50.000	ug/l #	83
82) 4-Chlorotoluene	11.51	91	583630	50.000	ug/l	93
83) tert-Butylbenzene	11.77	119	639394	50.000	ug/l	95
84) 1,2,4-Trimethylbenzene	11.80	105	640712	50.000	ug/l	95
85) sec-Butylbenzene	11.94	105	747866	50.000	ug/l	96
86) p-Isopropyltoluene	12.06	119	688151	50.000	ug/l	97
87) 1,3-Dichlorobenzene	12.02	146	365183	50.000	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	359681	50.000	ug/l	98
89) n-Butylbenzene	12.38	91	596253	50.000	ug/l	97
90) Hexachloroethane	12.59	117	135877	50.000	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	353563	50.000	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	58714	50.000	ug/l	68

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ClientSampleId :
VSTDICCC050

Manual Integrations
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Quant Title : SW846 8260
QLast Update : Fri Jun 07 13:02:35 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	252308	50.000	ug/l	100
94) Hexachlorobutadiene	13.78	225	112222	50.000	ug/l	99
95) Naphthalene	13.83	128	813826	50.000	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	250064	50.000	ug/l	98

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

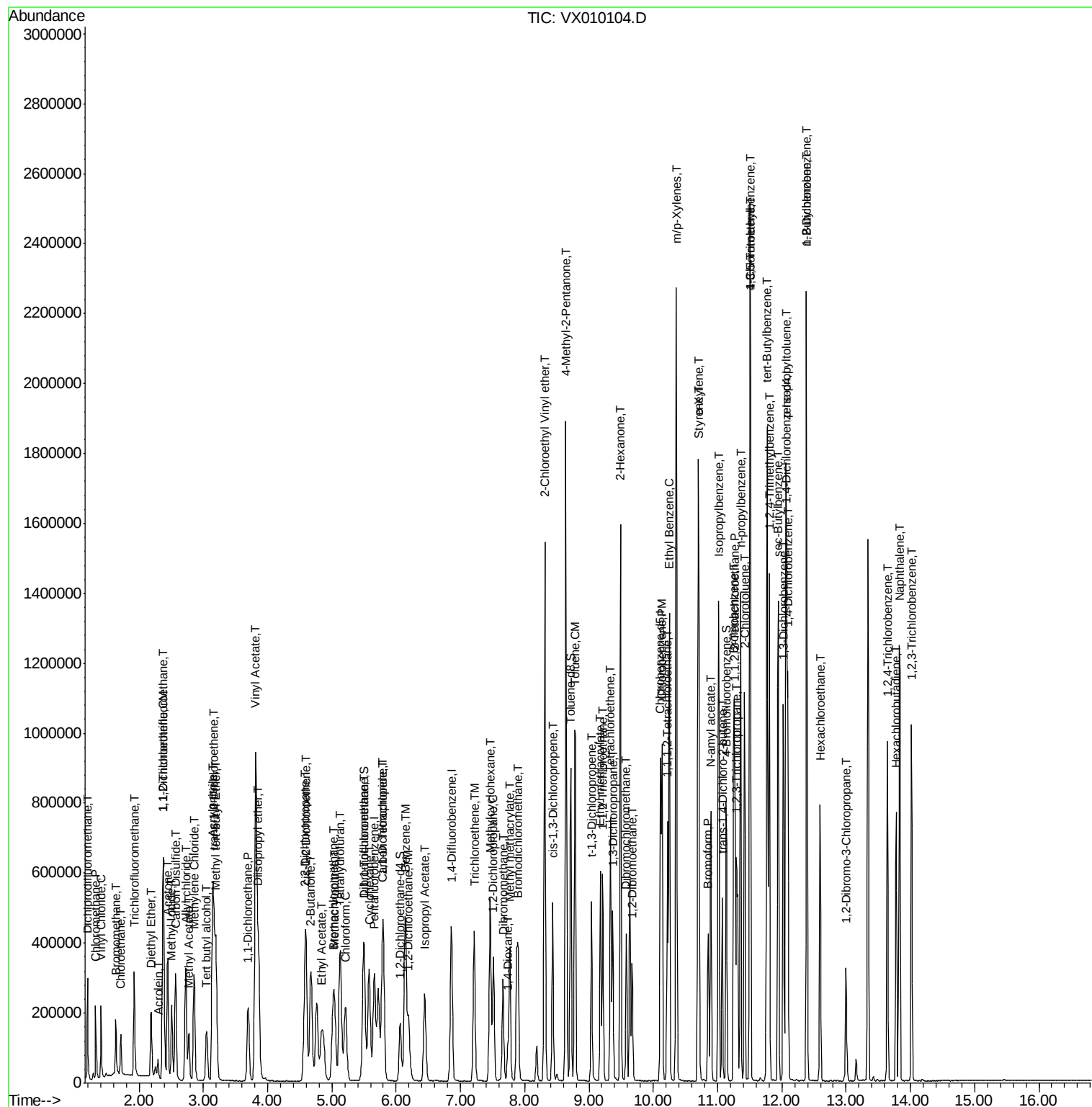
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 Data File : VX010104.D
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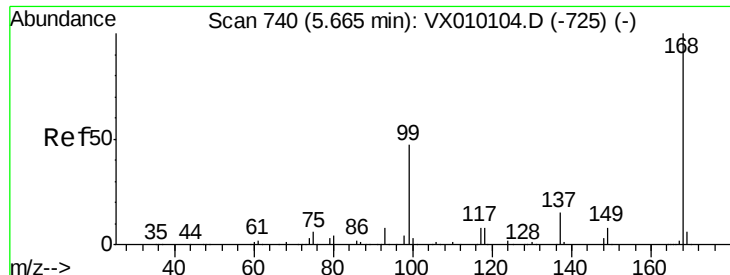
Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDICCC050

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX010104.D

Acq: 07 Jun 2019 12:41

Instrument :

MSVOA_X

ClientSampled :

VSTDICCC050

Tot Ion:168 Resp: 323669

Ion Ratio Lower Upper

168 100

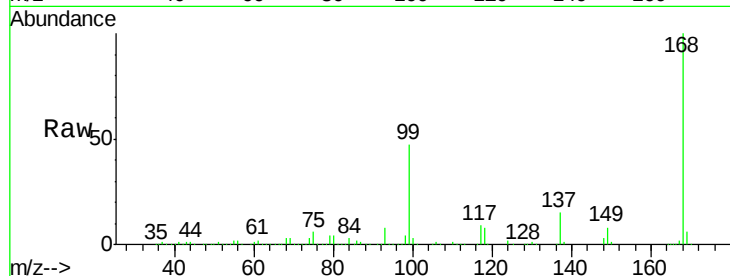
99 46.8 43.0 64.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

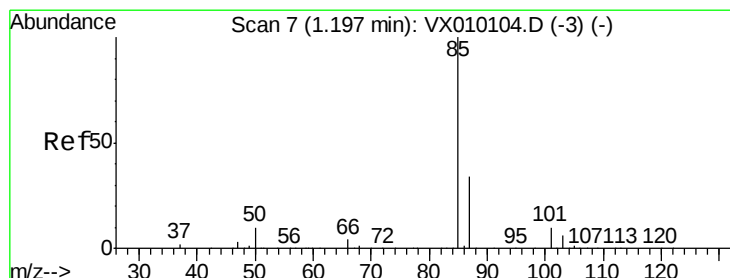
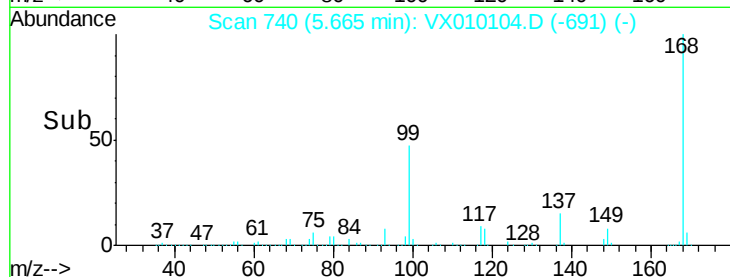
5.67

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 50.000 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX010104.D

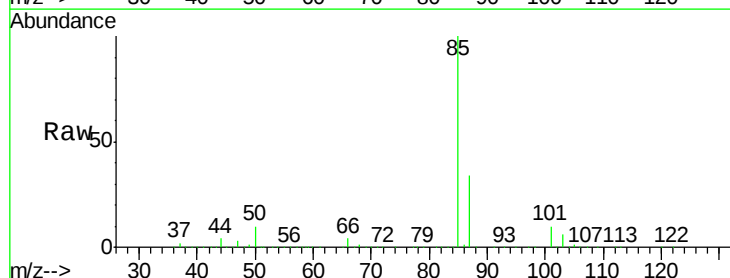
Acq: 07 Jun 2019 12:41

Tgt Ion: 85 Resp: 160689

Ion Ratio Lower Upper

85 100

87 33.6 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

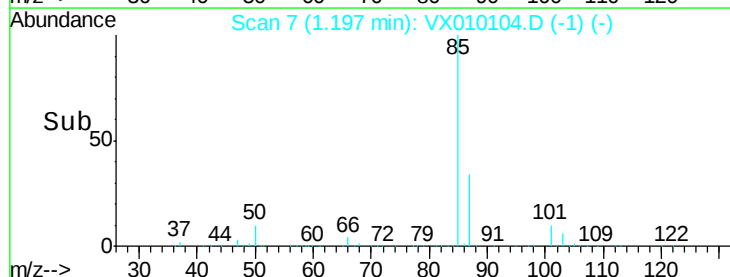
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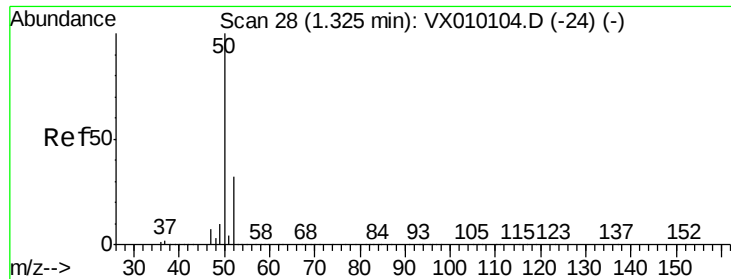
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50000

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Time-->





#3

Chloromethane

Concen: 50.000 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX010104.D

Acq: 07 Jun 2019 12:41

Instrument :

MSVOA_X

ClientSampled :

VSTDICCC050

Tot Ion: 50 Resp: 147085

Ion Ratio Lower Upper

50 100

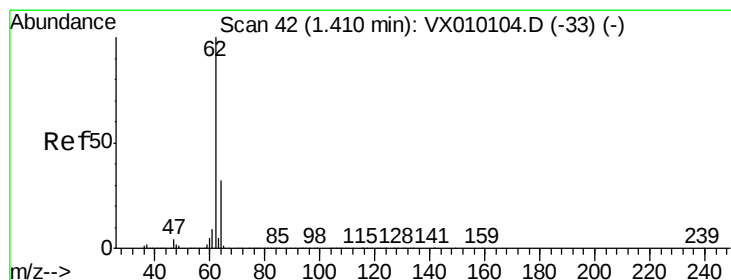
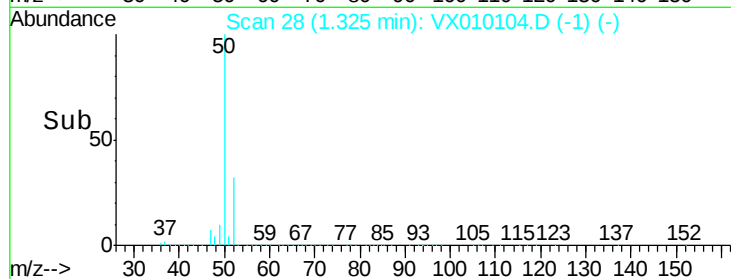
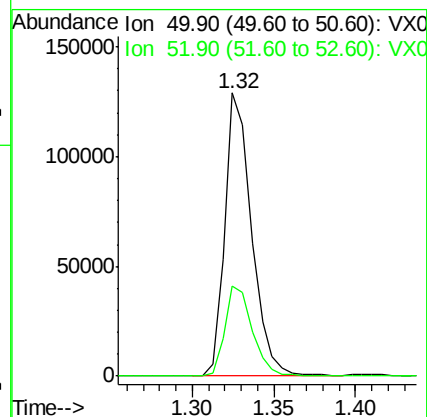
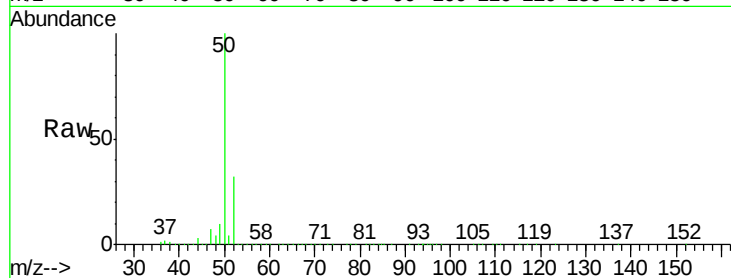
52 32.0 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 50.000 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX010104.D

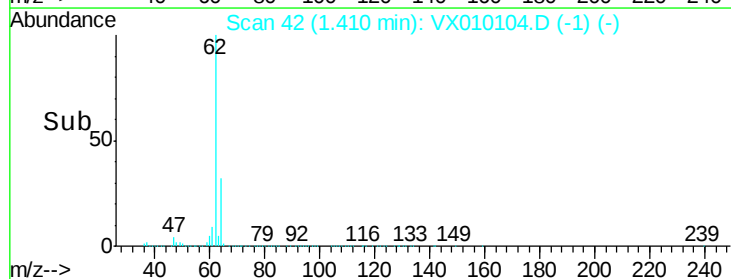
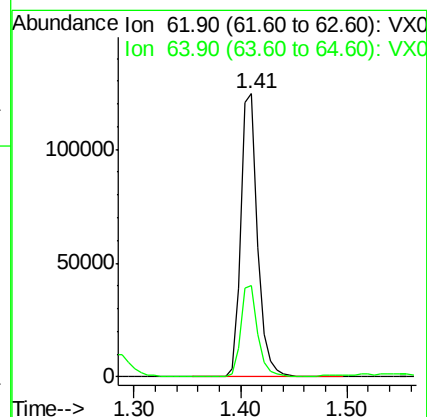
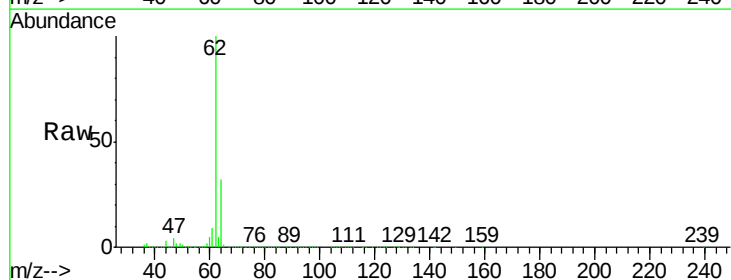
Acq: 07 Jun 2019 12:41

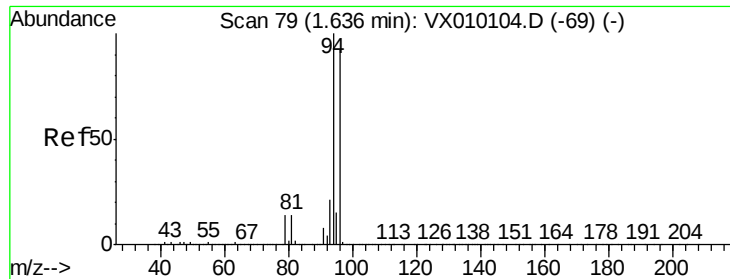
Tgt Ion: 62 Resp: 138235

Ion Ratio Lower Upper

62 100

64 32.1 25.7 38.5





#5

Bromomethane

Concen: 50.000 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX010104.D

Acq: 07 Jun 2019 12:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 51579

Ion Ratio Lower Upper

94 100

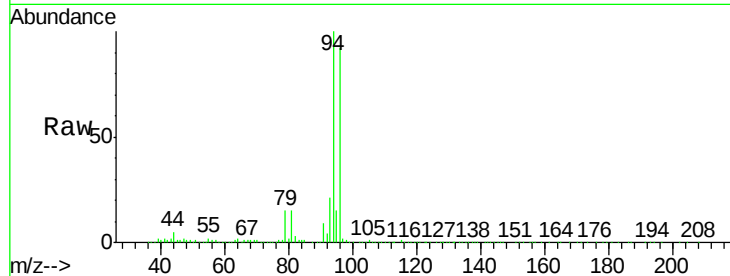
96 92.2 76.2 114.4

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

60000

50000

40000

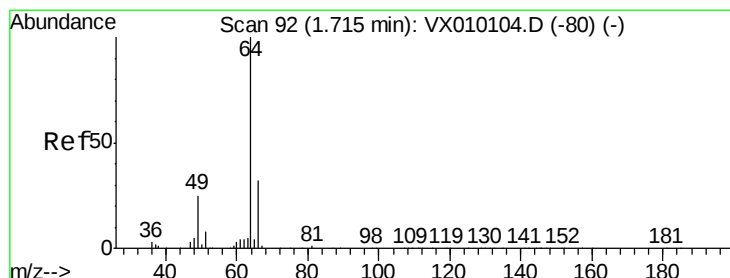
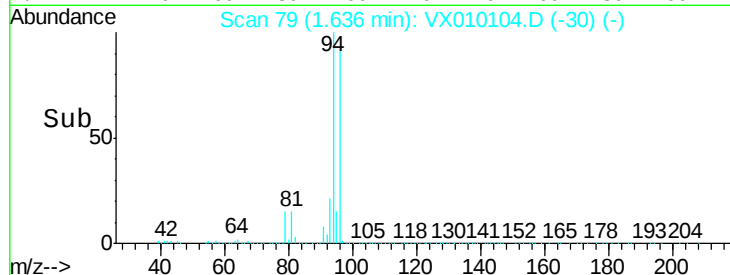
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20000

10000

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Time-->



#6

Chloroethane

Concen: 50.000 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX010104.D

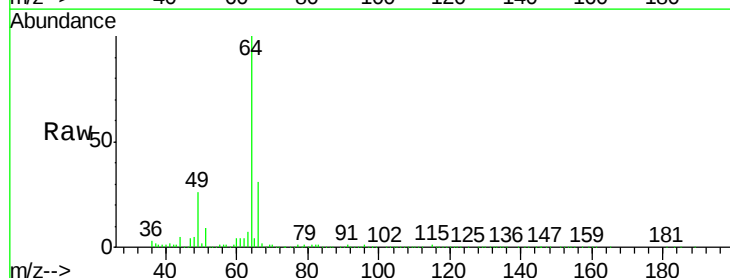
Acq: 07 Jun 2019 12:41

Tgt Ion: 64 Resp: 77184

Ion Ratio Lower Upper

64 100

66 31.7 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.71

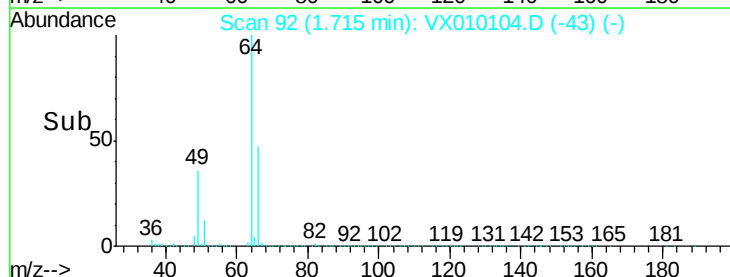
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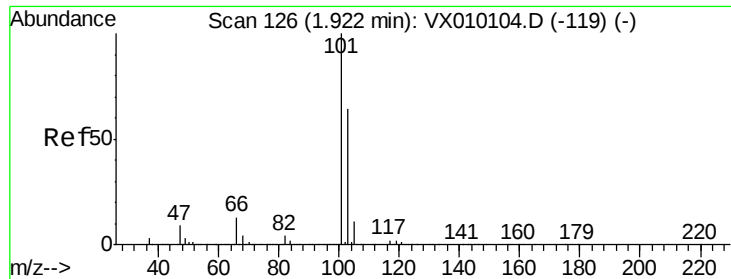
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20000

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Time-->





#7

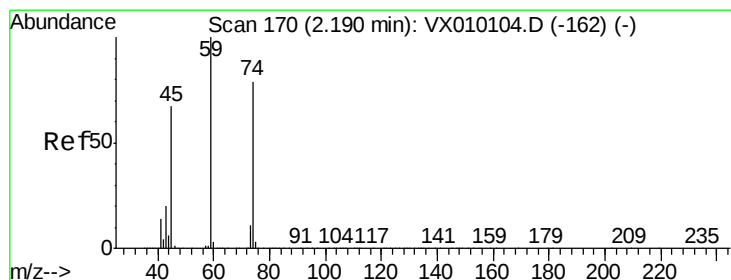
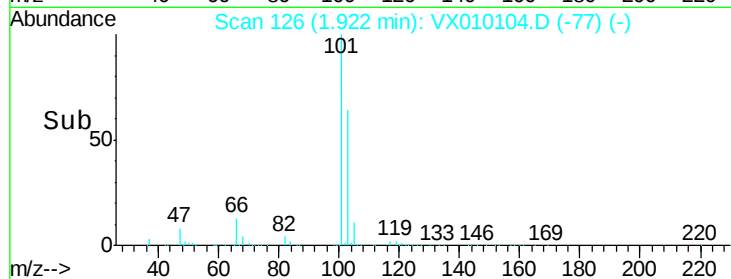
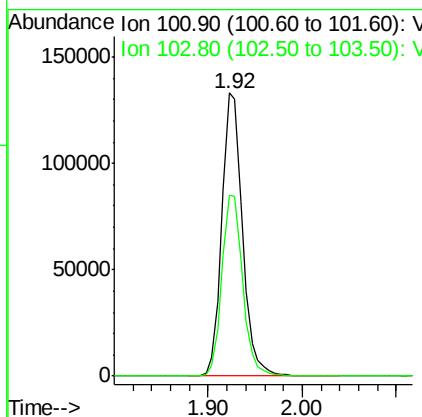
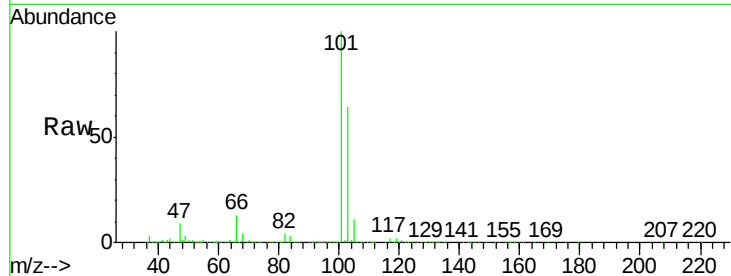
Trichlorofluoromethane
Concen: 50.000 ug/l
RT: 1.92 min Scan# 126
Delta R.T. 0.00 min
Lab File: VX010104.D
Acq: 07 Jun 2019 12:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.0	52.2	78.4

Manual Integrations
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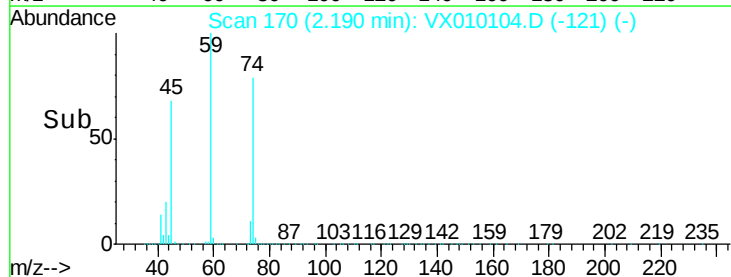
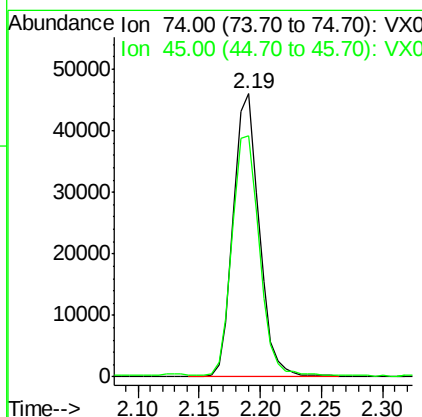
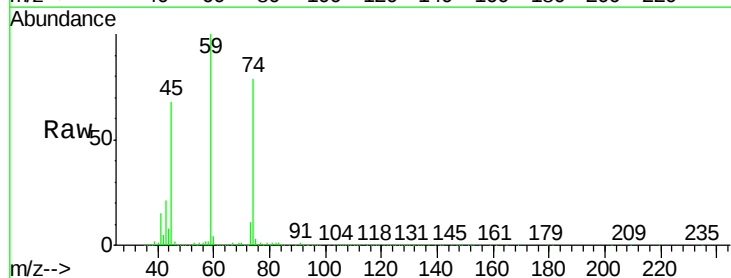
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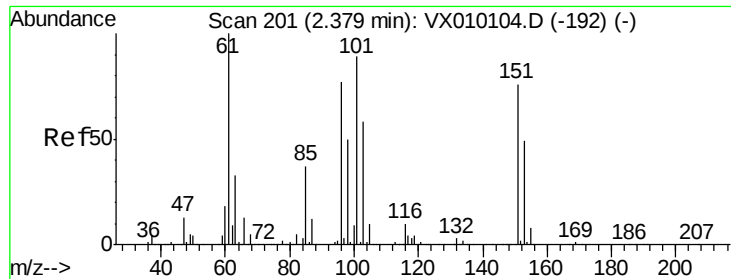


#8

Diethyl Ether
Concen: 50.000 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX010104.D
Acq: 07 Jun 2019 12:41

Tgt Ion	Ratio	Lower	Upper
74	100		
45	89.7	56.1	168.3





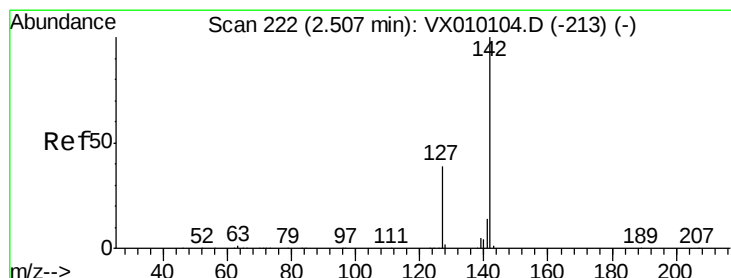
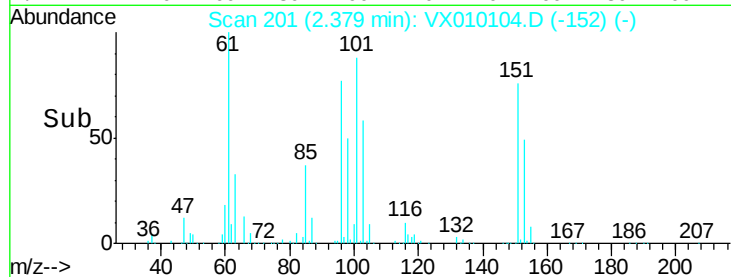
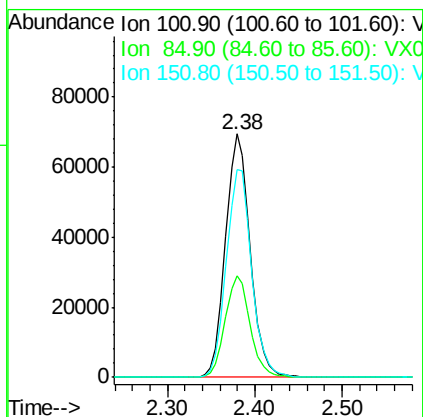
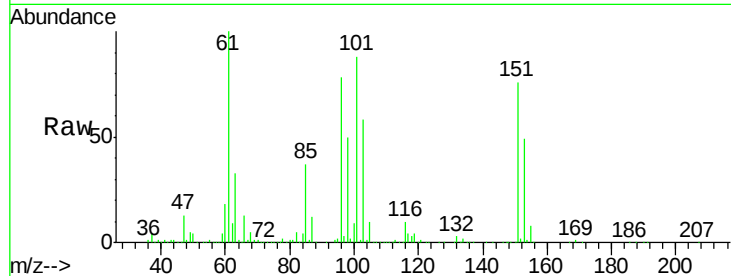
#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.000 ug/l
RT: 2.38 min Scan# 201
Delta R.T. 0.00 min
Lab File: VX010104.D
Acq: 07 Jun 2019 12:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	136283		
85	41.6	35.2	52.8	
151	87.6	61.9	92.9	

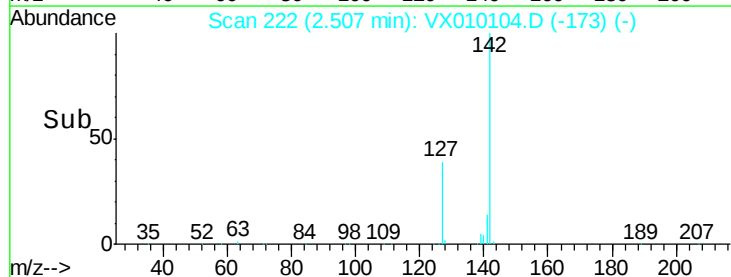
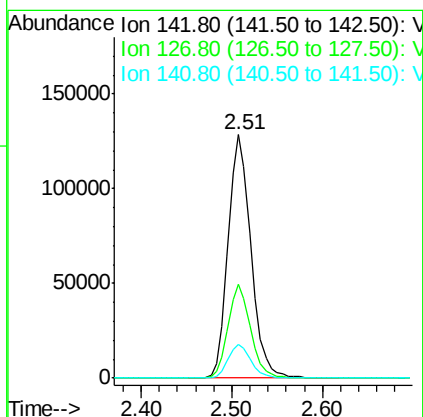
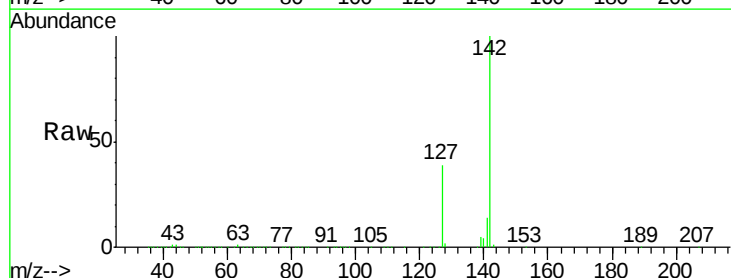
Manual Integrations
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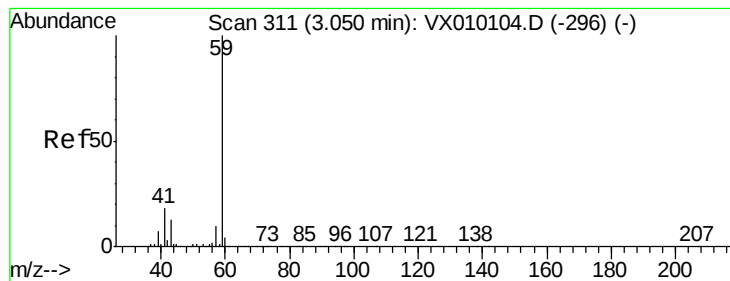
MMDadoda
6/10/2019 10:53:35 AM



#10
Methyl Iodide
Concen: 50.000 ug/l
RT: 2.51 min Scan# 222
Delta R.T. 0.00 min
Lab File: VX010104.D
Acq: 07 Jun 2019 12:41

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	224814		
127	38.1	33.0	49.4	
141	14.1	11.4	17.0	





#11

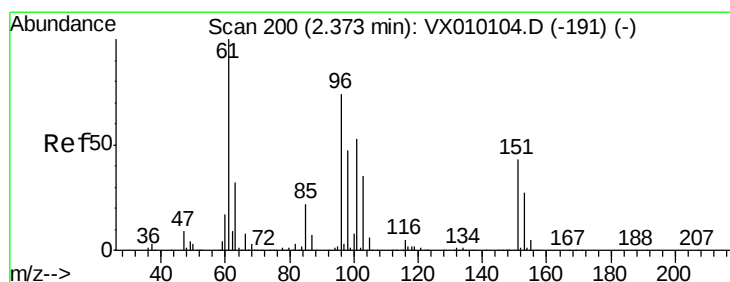
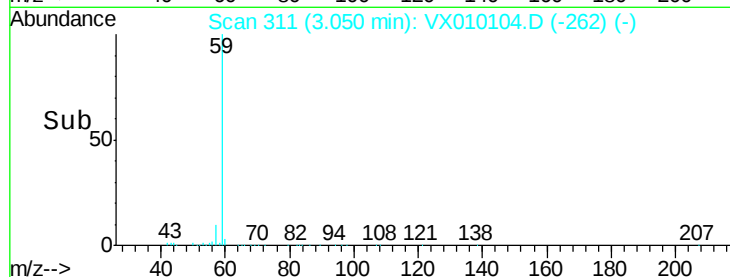
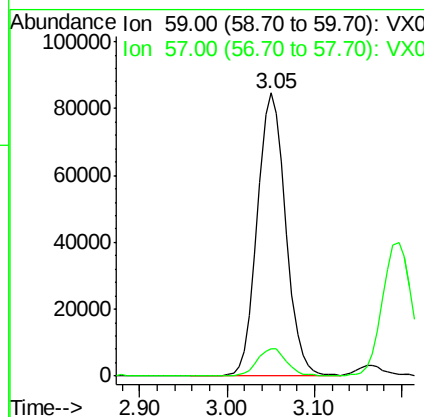
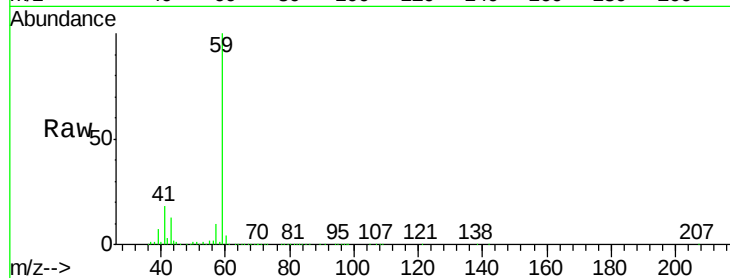
Tert butyl alcohol
Concen: 250.000 ug/l
RT: 3.05 min Scan# 311
Delta R.T. 0.00 min
Lab File: VX010104.D
Acq: 07 Jun 2019 12:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
59	100	191192		
57	9.8	8.2	12.2	

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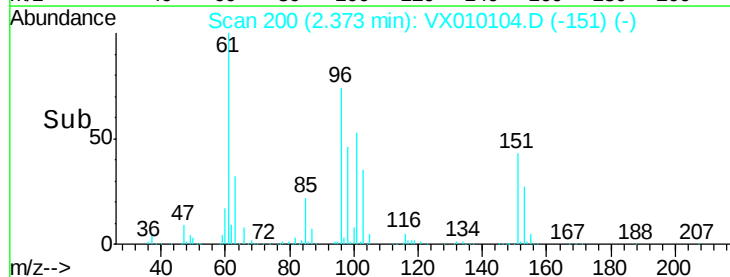
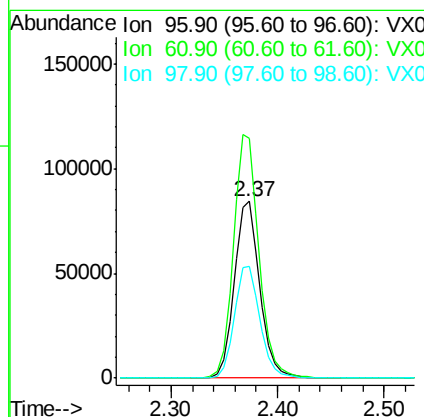
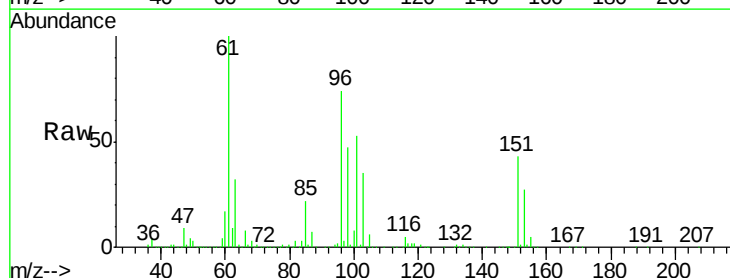
MMDadoda
6/10/2019 10:53:35 AM

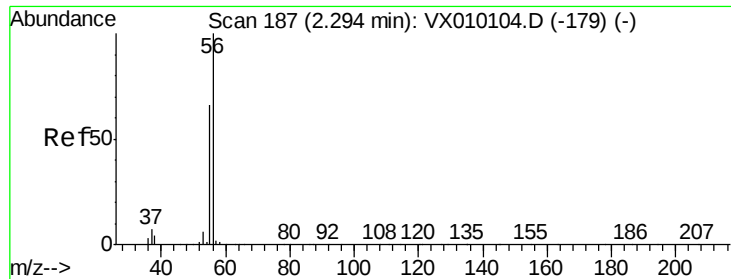


#12

1,1-Dichloroethene
Concen: 50.000 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX010104.D
Acq: 07 Jun 2019 12:41

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	140524		
61	135.8	140.7	211.1#	
98	63.2	50.1	75.1	





#13

Acrolein

Concen: 250.000 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX010104.D

Acq: 07 Jun 2019 12:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 38439

Ion Ratio Lower Upper

56 100

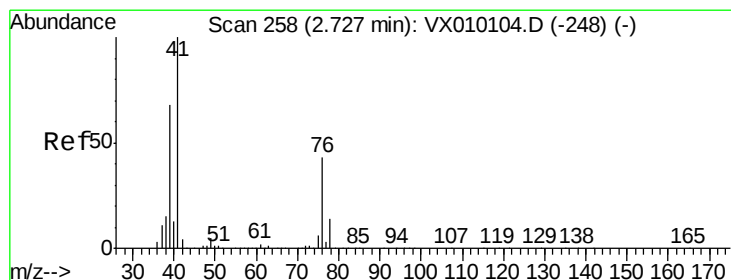
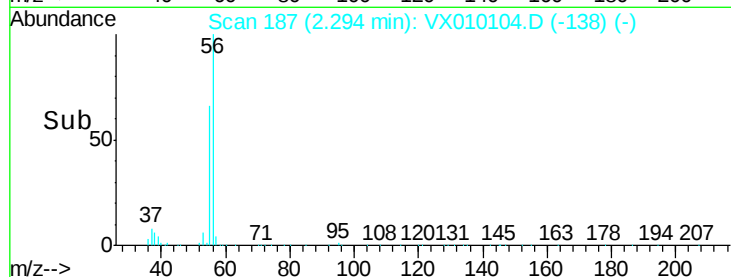
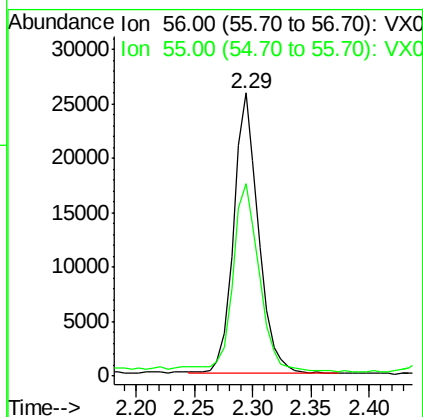
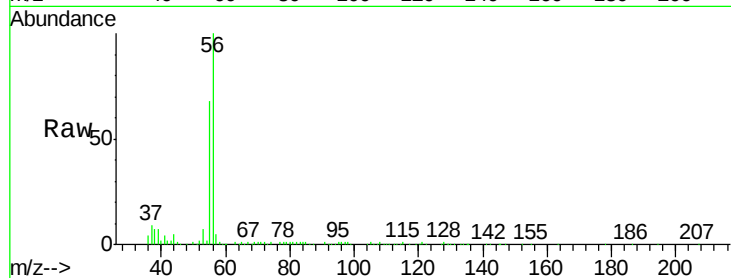
55 71.8 57.0 85.4

Manual Integrations

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6/10/2019 10:53:35 AM



#14

Allyl chloride

Concen: 50.000 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX010104.D

Acq: 07 Jun 2019 12:41

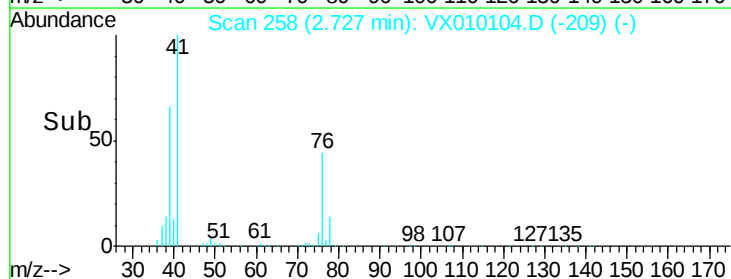
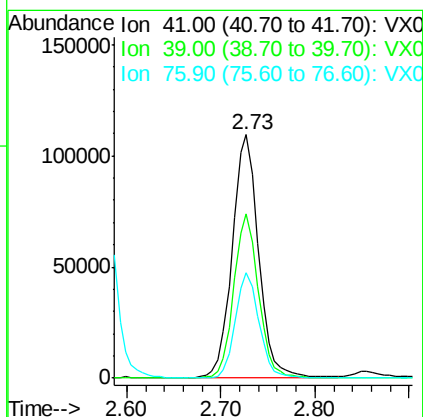
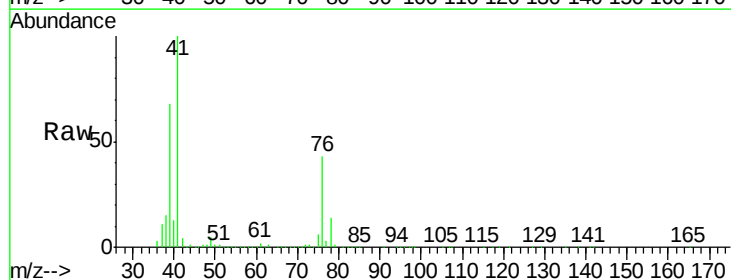
Tgt Ion: 41 Resp: 210770

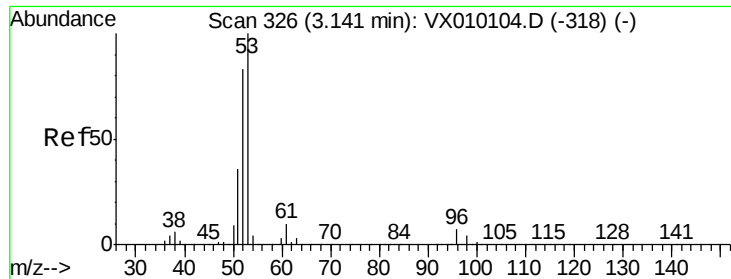
Ion Ratio Lower Upper

41 100

39 63.2 46.7 70.1

76 39.7 21.0 31.4#





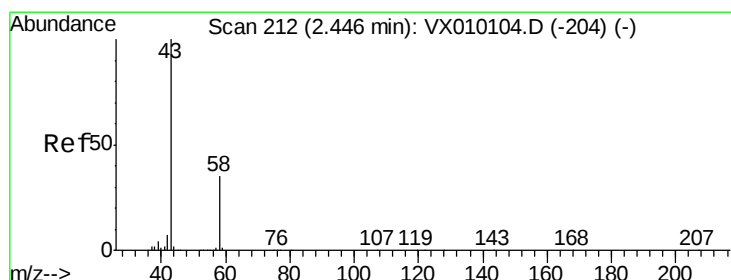
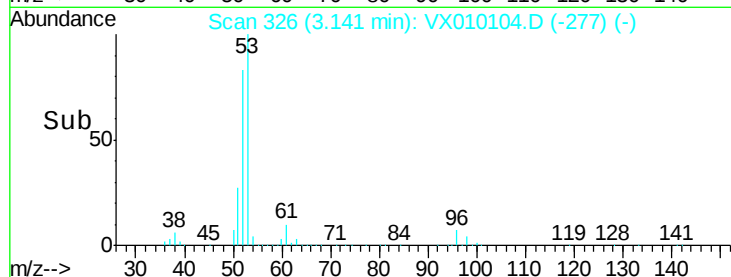
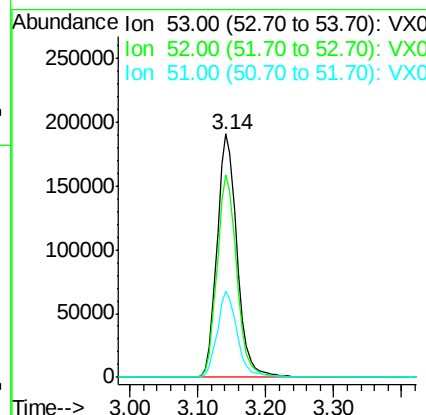
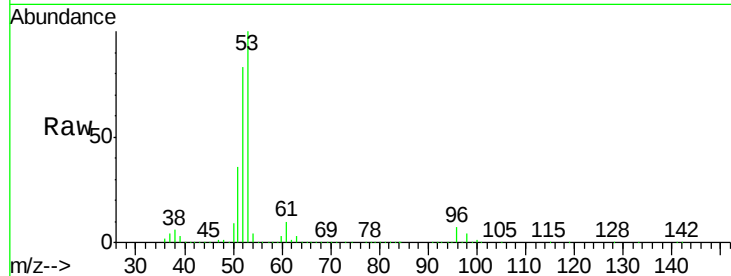
#15
 Acrylonitrile
 Concen: 250.000 ug/l
 RT: 3.14 min Scan# 326
 Delta R.T. 0.00 min
 Lab File: VX010104.D
 Acq: 07 Jun 2019 12:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ion	Ratio	Lower	Upper
53	53	100		
52	52	82.1	66.7	100.1
51	51	35.4	28.8	43.2

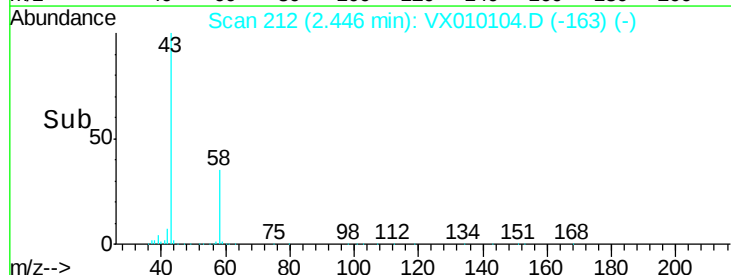
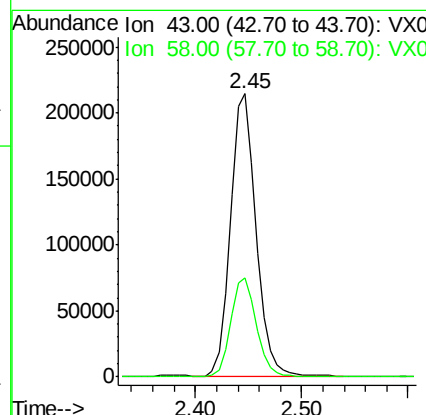
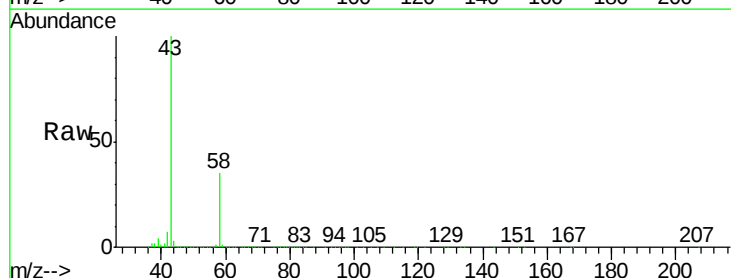
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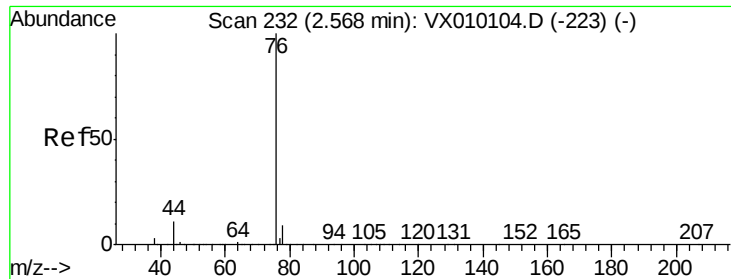
MMDadoda
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#16
 Acetone
 Concen: 250.000 ug/l
 RT: 2.45 min Scan# 212
 Delta R.T. 0.00 min
 Lab File: VX010104.D
 Acq: 07 Jun 2019 12:41

Tgt Ion	Ion	Ratio	Lower	Upper
43	43	100		
58	58	34.9	23.2	34.8#





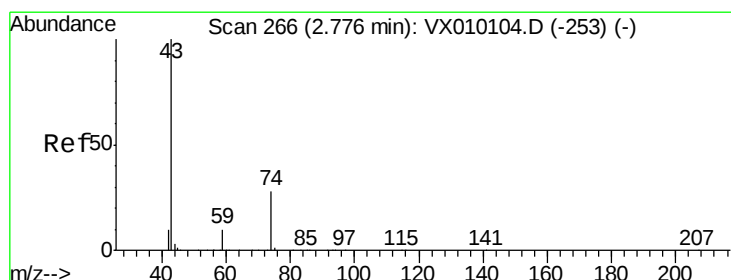
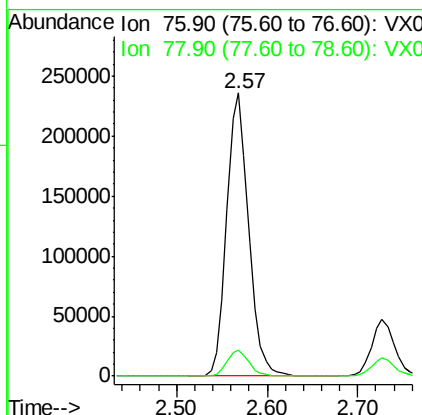
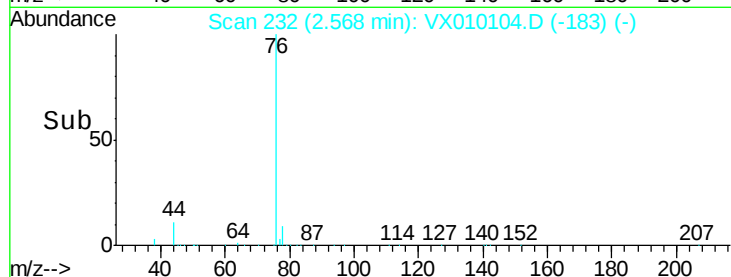
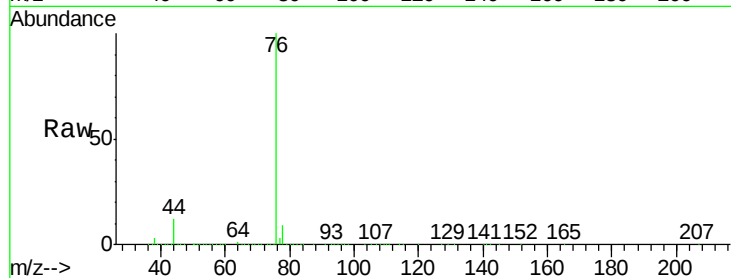
#17
Carbon Disulfide
Concen: 50.000 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX010104.D
Acq: 07 Jun 2019 12:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.0	10.6

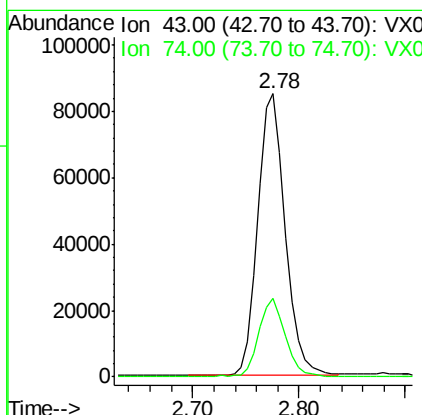
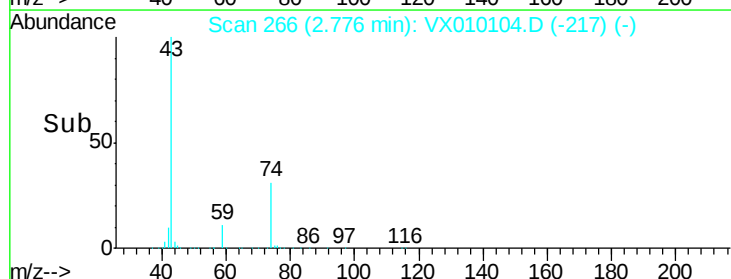
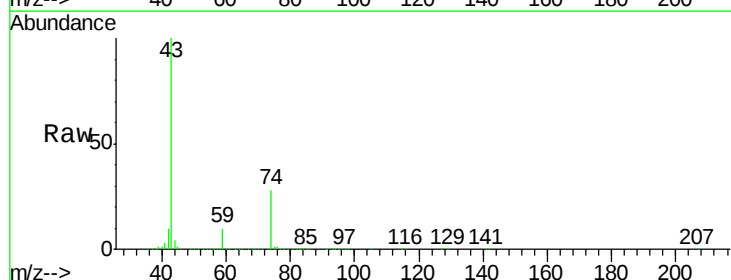
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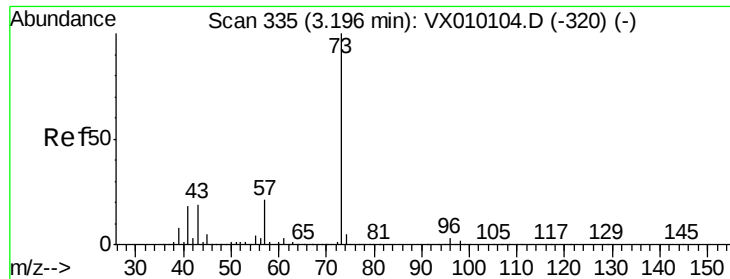
MMDadoda
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#18
Methyl Acetate
Concen: 50.000 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX010104.D
Acq: 07 Jun 2019 12:41

Tgt Ion	Ratio	Lower	Upper
43	100		
74	27.4	15.8	23.6#





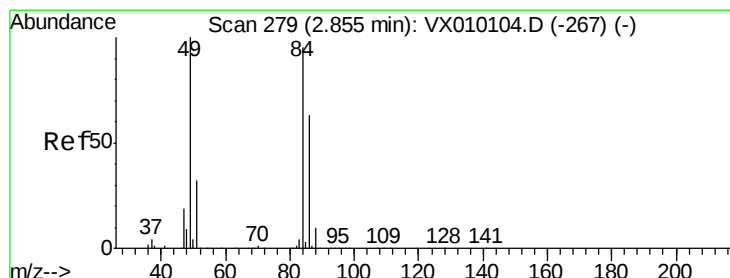
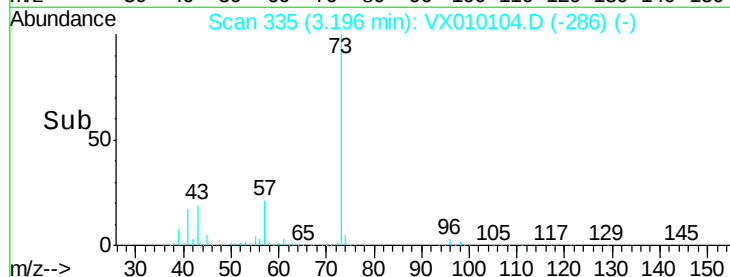
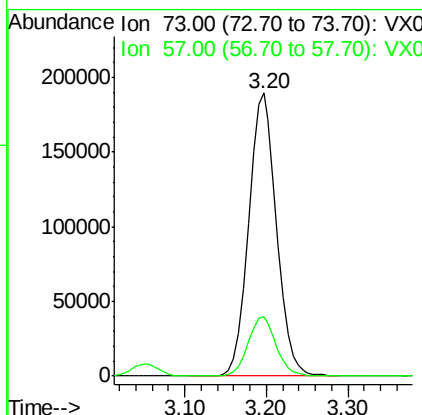
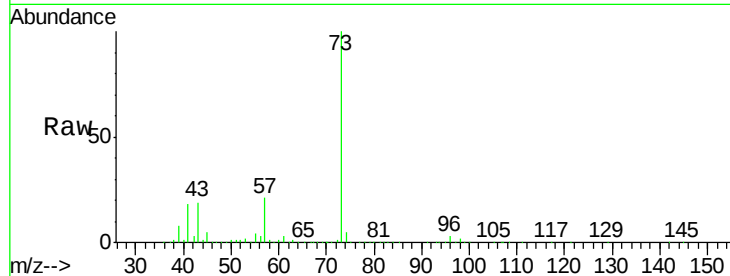
#19
Methvl tert-butvl Ether
Concen: 50.000 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX010104.D
Acq: 07 Jun 2019 12:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.0	19.4	29.2

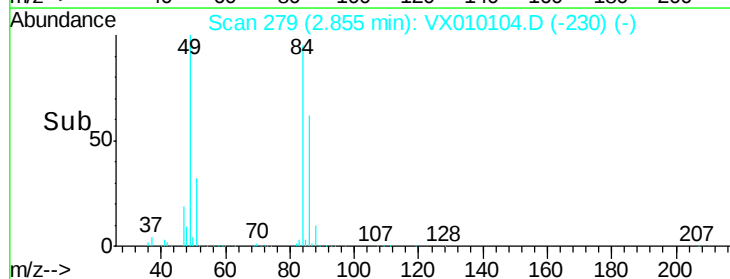
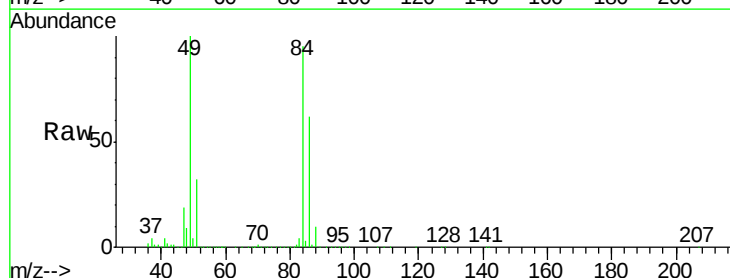
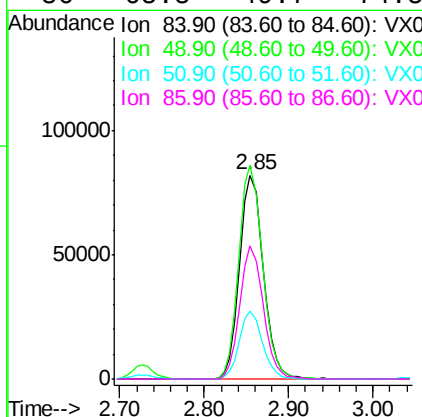
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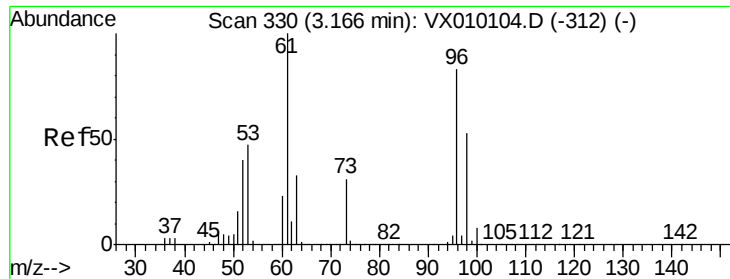
MMDadoda
6/10/2019 10:53:35 AM



#20
Methylene Chloride
Concen: 50.000 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX010104.D
Acq: 07 Jun 2019 12:41

Tgt Ion	Ratio	Lower	Upper
84	100		
49	104.8	115.8	173.6#
51	33.2	34.4	51.6#
86	65.5	49.7	74.5





#21

trans-1,2-Dichloroethene

Concen: 50.000 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX010104.D

Acq: 07 Jun 2019 12:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 96 Resp: 151883

Ion Ratio Lower Upper

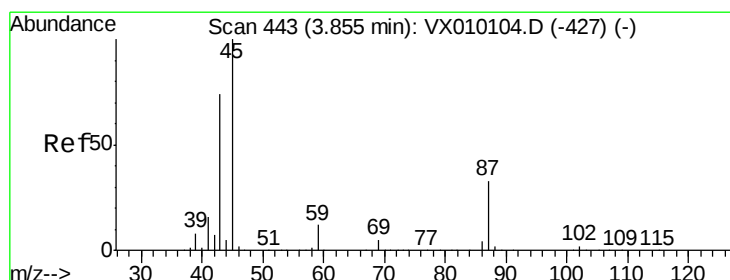
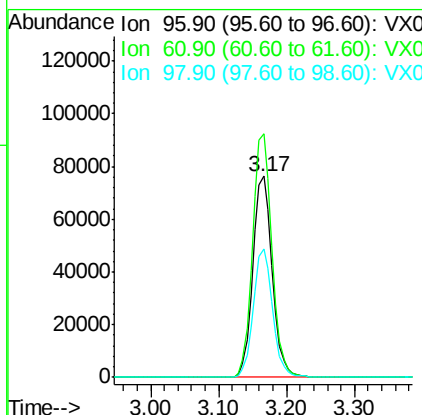
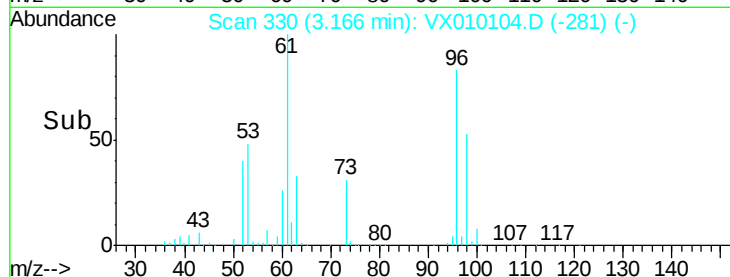
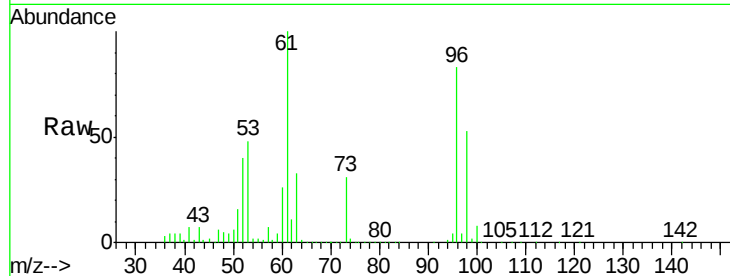
96 100

61 121.0 125.7 188.5#

98 63.6 49.0 73.6

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#22

Diisopropyl ether

Concen: 50.000 ug/l

RT: 3.85 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX010104.D

Acq: 07 Jun 2019 12:41

Tgt Ion: 45 Resp: 413519

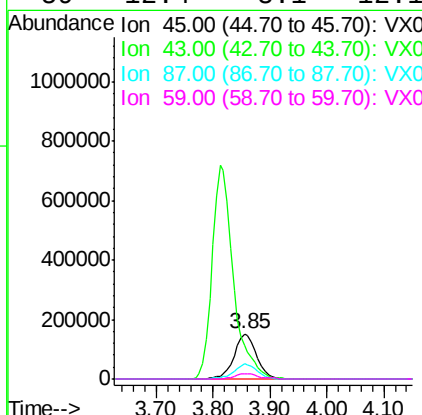
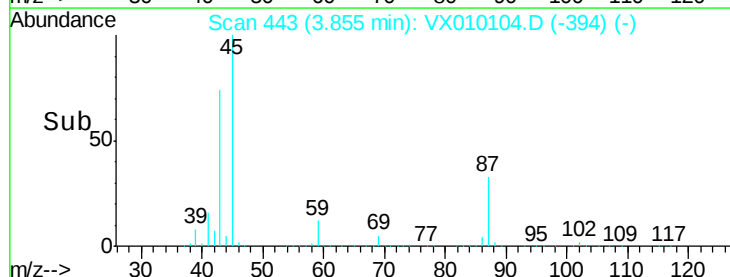
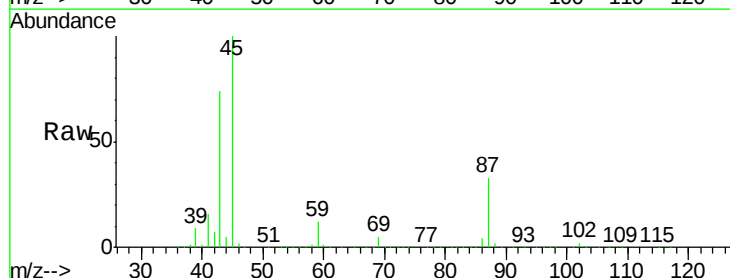
Ion Ratio Lower Upper

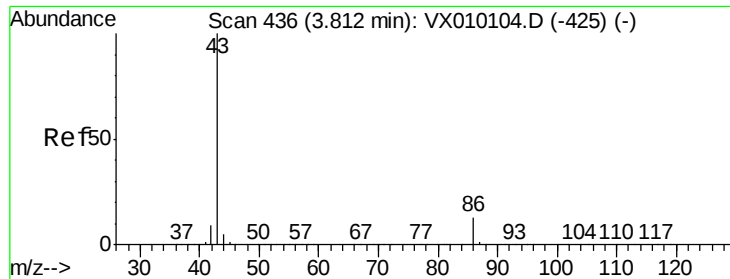
45 100

43 73.8 65.0 97.4

87 33.5 17.3 25.9#

59 12.4 8.1 12.1#





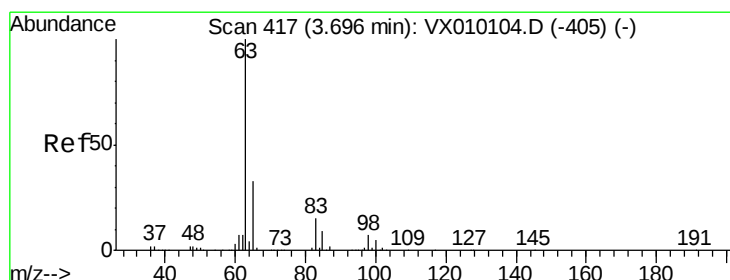
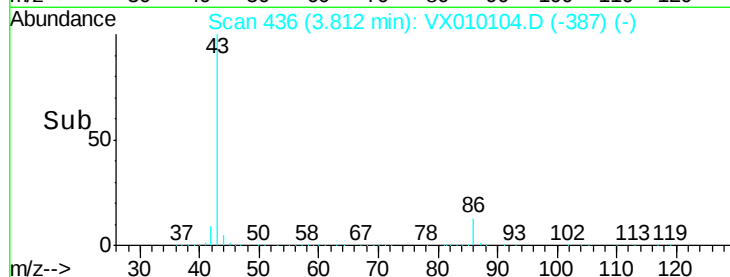
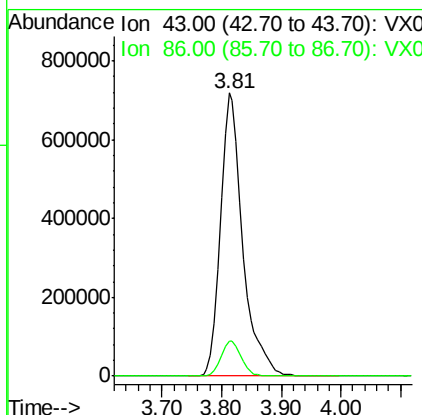
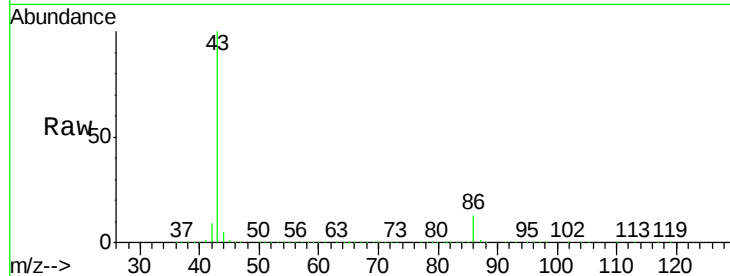
#23
 Vinyl Acetate
 Concen: 250.000 ug/l
 RT: 3.81 min Scan# 436
 Delta R.T. 0.00 min
 Lab File: VX010104.D
 Acq: 07 Jun 2019 12:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion: 43 Resp: 1863379
 Ion Ratio Lower Upper
 43 100
 86 12.6 6.5 9.7#

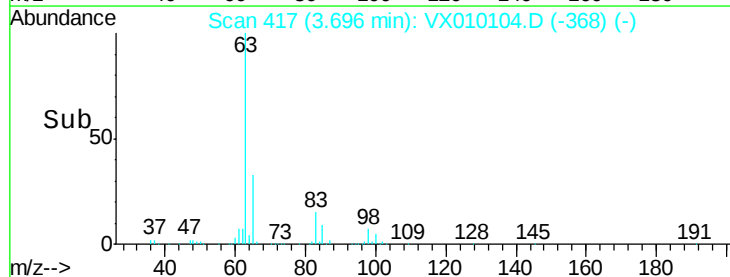
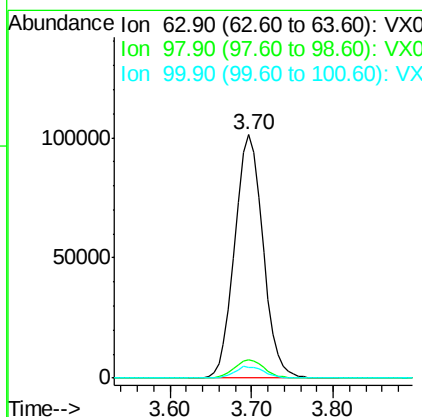
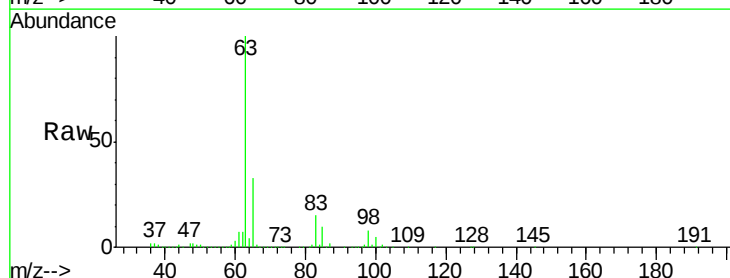
Manual Integrations
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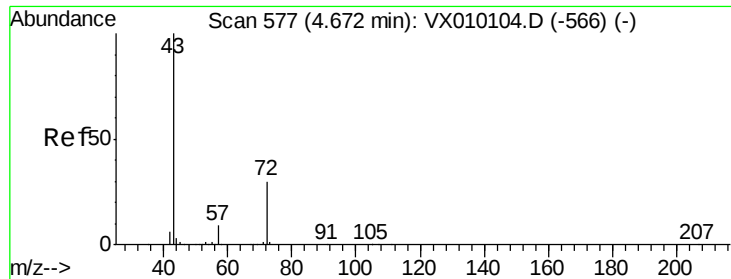
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 50.000 ug/l
 RT: 3.70 min Scan# 417
 Delta R.T. 0.00 min
 Lab File: VX010104.D
 Acq: 07 Jun 2019 12:41

Tgt Ion: 63 Resp: 243265
 Ion Ratio Lower Upper
 63 100
 98 7.5 2.9 8.8
 100 4.6 1.8 5.4





#25

2-Butanone

Concen: 250.000 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX010104.D

Acq: 07 Jun 2019 12:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 546610

Ion Ratio Lower Upper

43 100

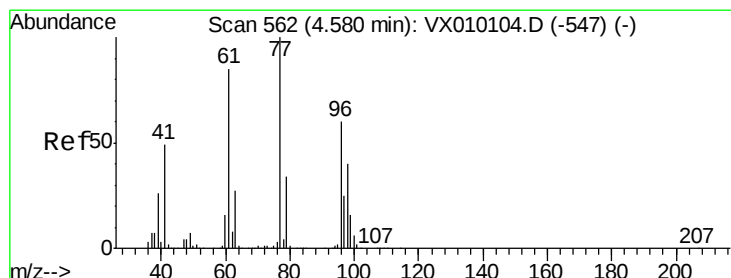
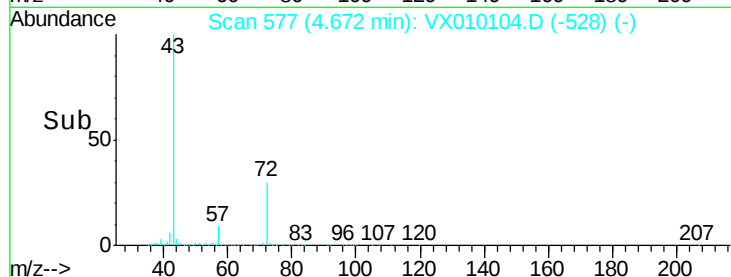
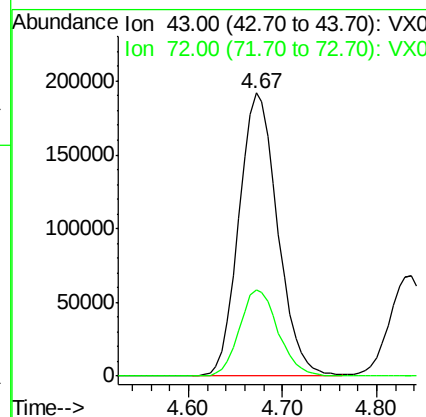
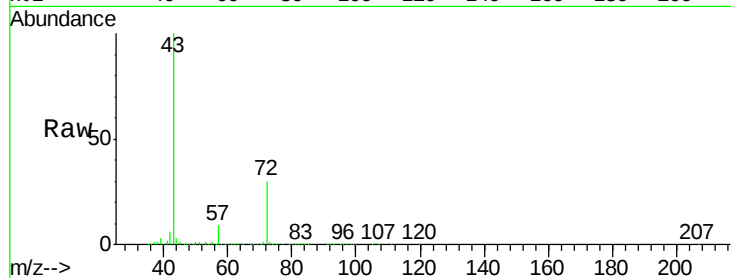
72 30.3 17.5 26.3#

Manual Integrations

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MMDadoda

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#26

2,2-Dichloropropane

Concen: 50.000 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX010104.D

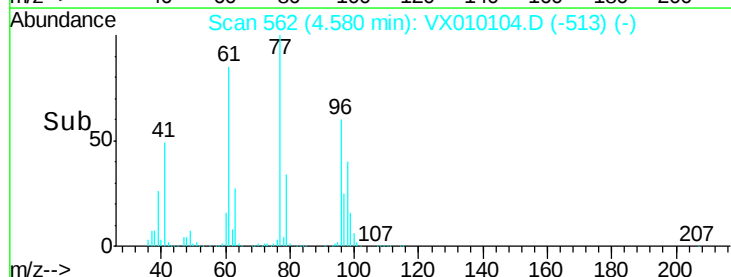
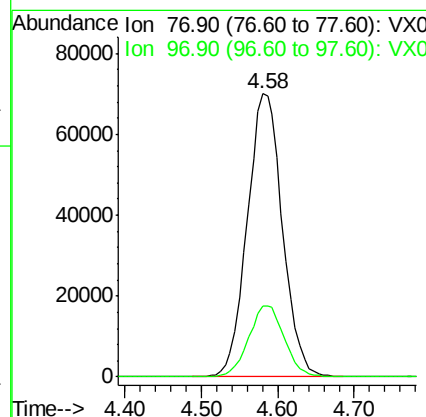
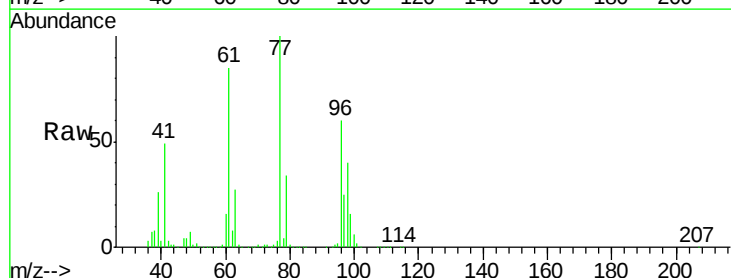
Acq: 07 Jun 2019 12:41

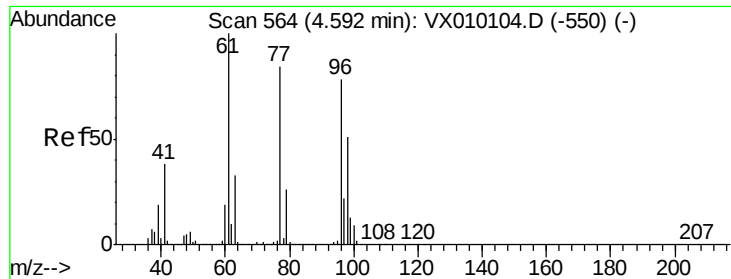
Tgt Ion: 77 Resp: 223929

Ion Ratio Lower Upper

77 100

97 25.1 11.4 34.2





#27

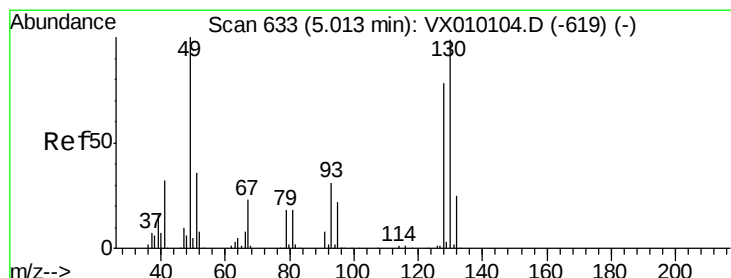
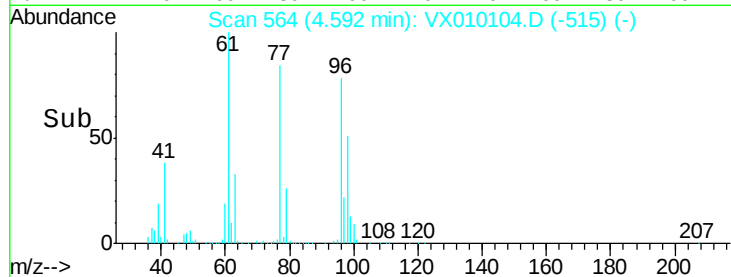
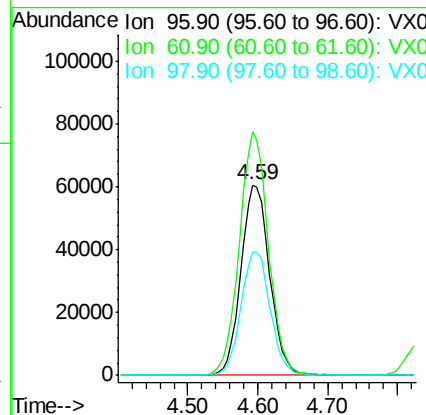
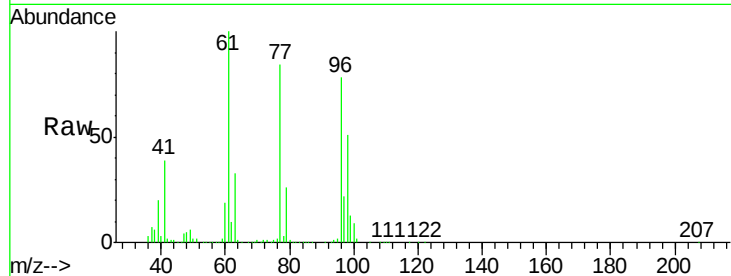
cis-1,2-Dichloroethene
Concen: 50.000 ug/l
RT: 4.59 min Scan# 564
Delta R.T. 0.00 min
Lab File: VX010104.D
Acq: 07 Jun 2019 12:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	173271		
61	129.8	0.0	334.0	
98	65.6	0.0	131.6	

Manual Integrations
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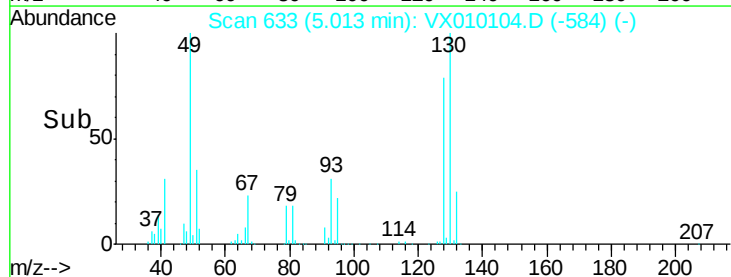
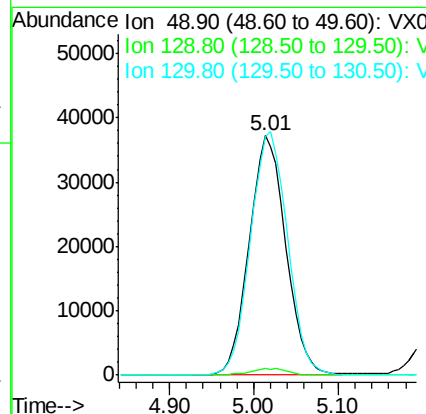
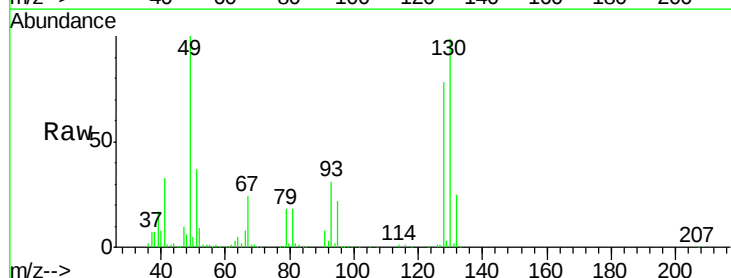
MMDadoda
6/10/2019 10:53:35 AM

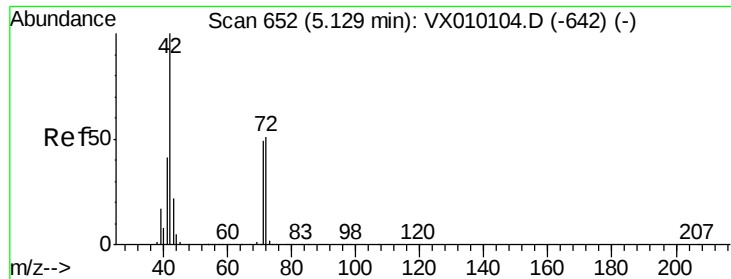


#28

Bromochloromethane
Concen: 50.000 ug/l
RT: 5.01 min Scan# 633
Delta R.T. 0.00 min
Lab File: VX010104.D
Acq: 07 Jun 2019 12:41

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	109911		
129	2.9	0.0	3.4	
130	103.1	49.4	74.2#	





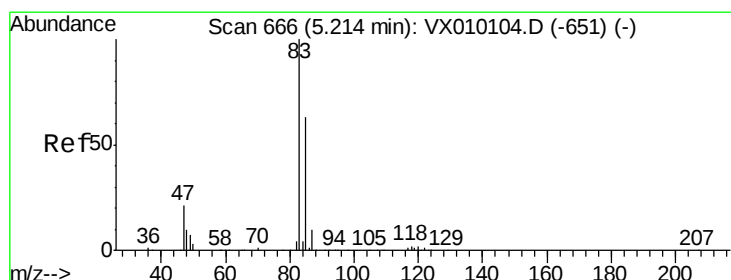
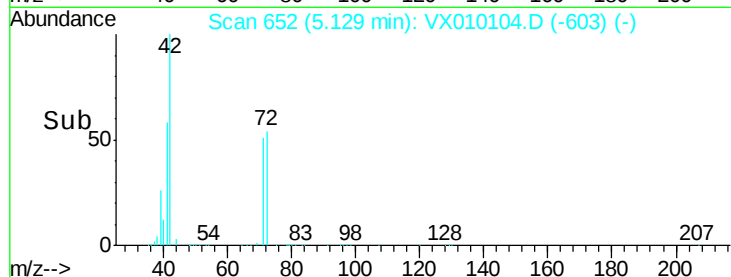
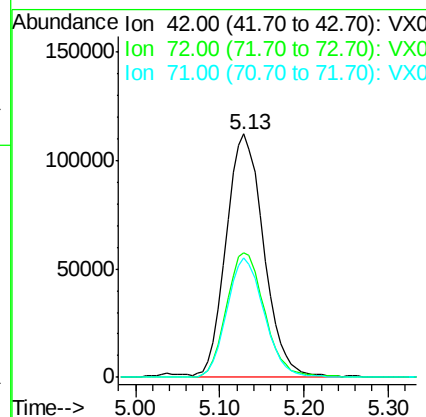
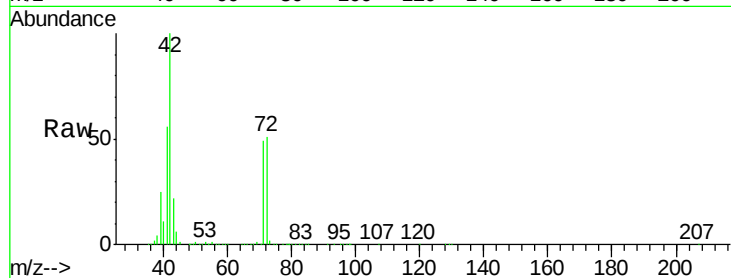
#29
Tetrahydrofuran
Concen: 250.000 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.00 min
Lab File: VX010104.D
Acq: 07 Jun 2019 12:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	52.5	29.2	43.8#
71	48.7	27.6	41.4#

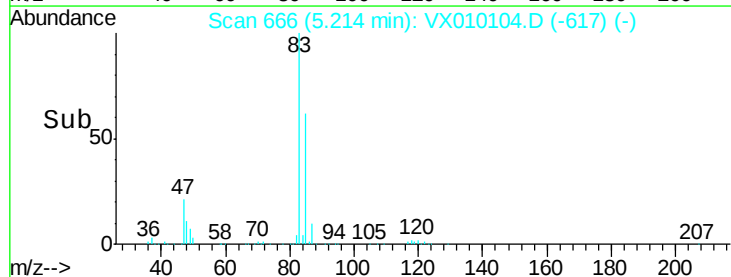
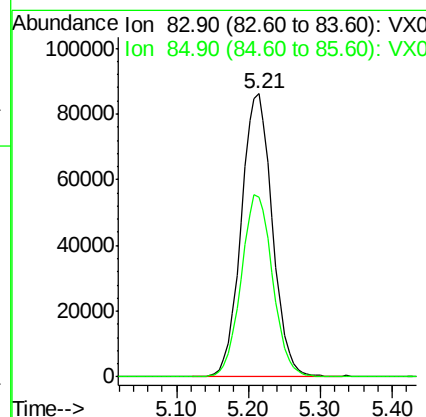
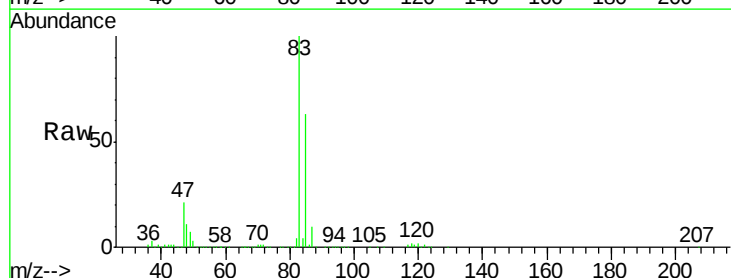
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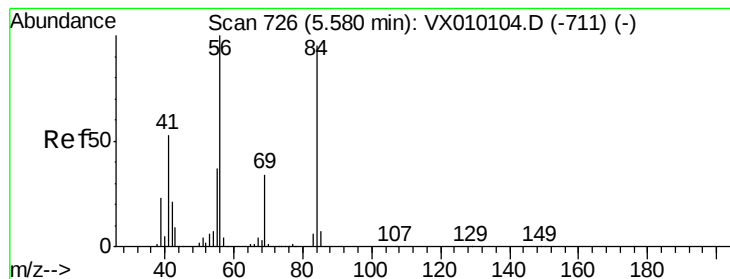
MMDadoda
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#30
Chloroform
Concen: 50.000 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX010104.D
Acq: 07 Jun 2019 12:41

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.2	52.6	78.8





#31

Cvclohexane

Concen: 50.000 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX010104.D

Acq: 07 Jun 2019 12:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 227046

Ion Ratio Lower Upper

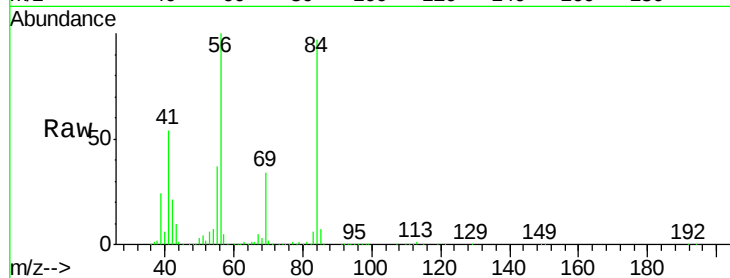
56 100

69 33.6 21.6 32.4#

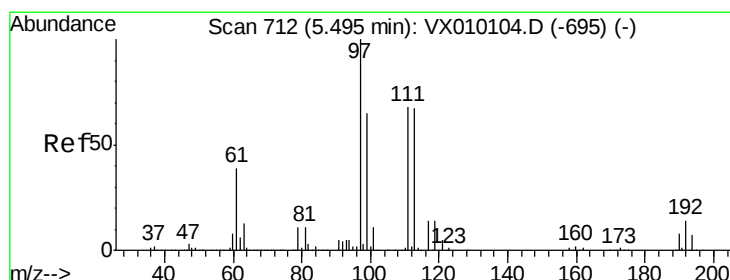
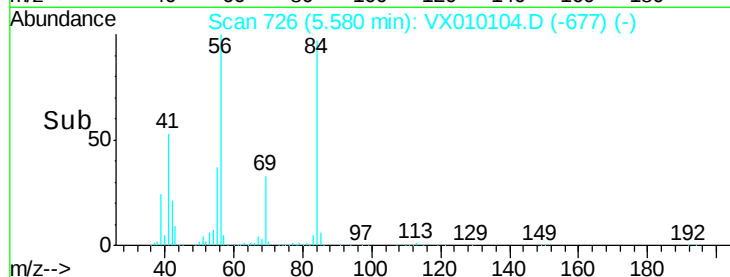
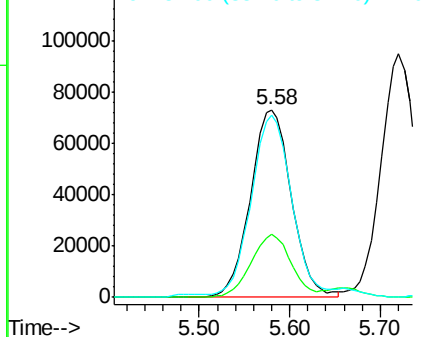
84 95.4 56.8 85.2#

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Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 50.000 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX010104.D

Acq: 07 Jun 2019 12:41

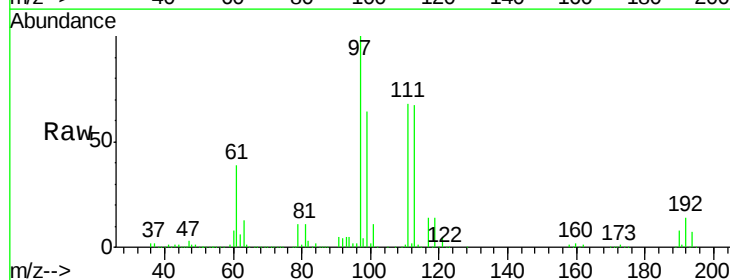
Tgt Ion: 97 Resp: 234778

Ion Ratio Lower Upper

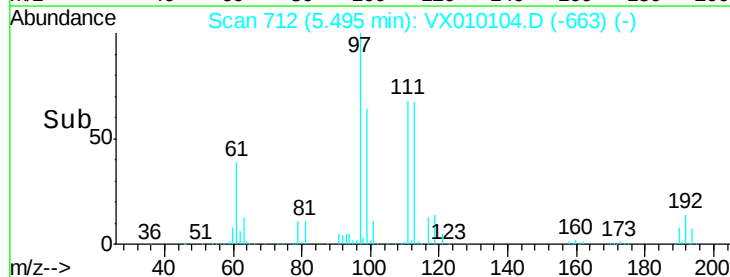
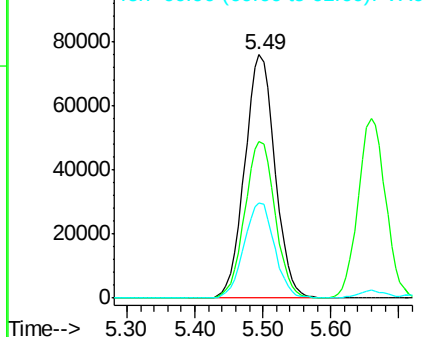
97 100

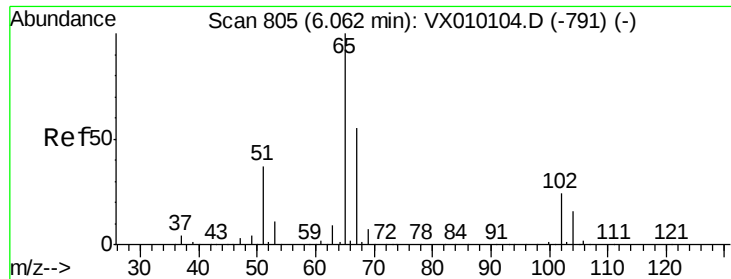
99 64.8 51.0 76.4

61 39.5 38.7 58.1



Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 98.90 (98.60 to 99.60): VX0
Ion 60.90 (60.60 to 61.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 50.000 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010104.D

Acq: 07 Jun 2019 12:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 65 Resp: 152890

Ion Ratio Lower Upper

65 100

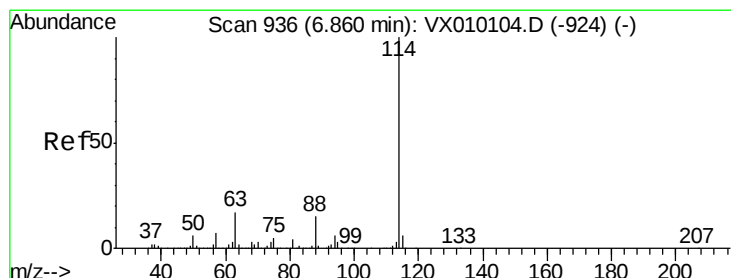
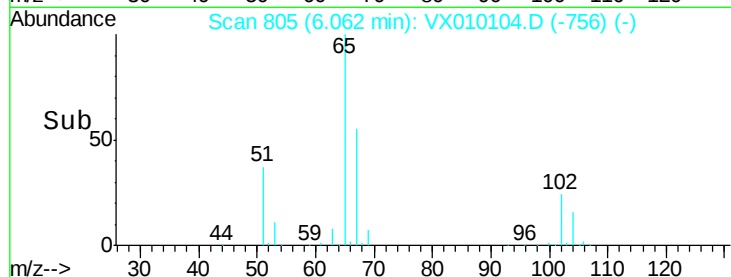
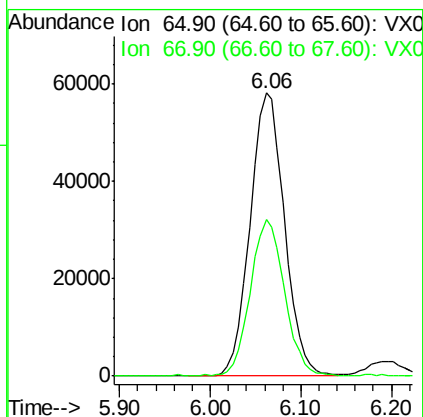
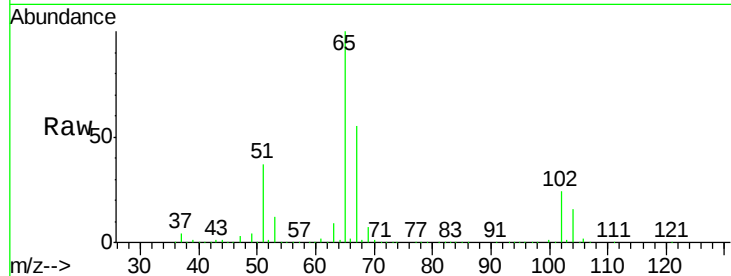
67 54.2 0.0 108.4

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX010104.D

Acq: 07 Jun 2019 12:41

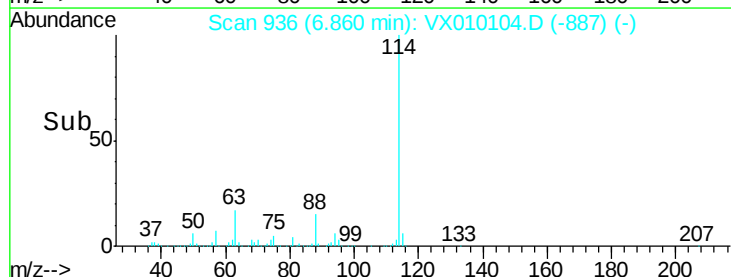
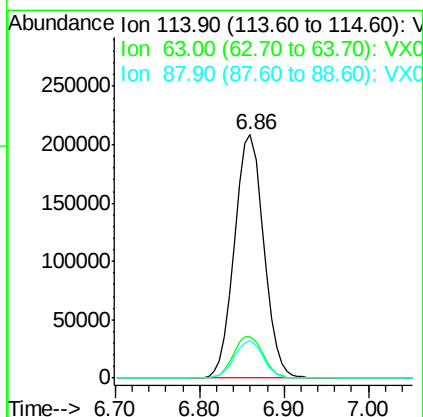
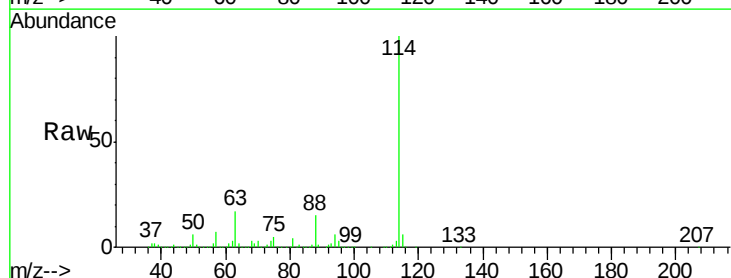
Tgt Ion: 114 Resp: 489425

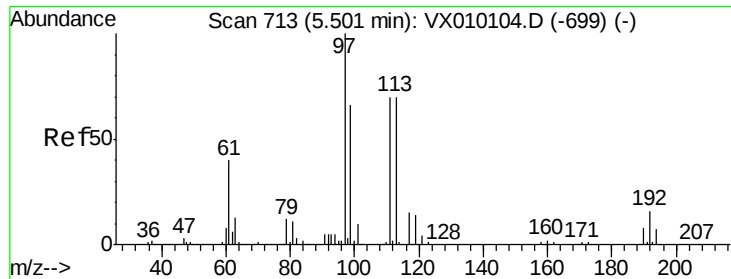
Ion Ratio Lower Upper

114 100

63 16.8 0.0 47.4

88 15.2 0.0 33.0





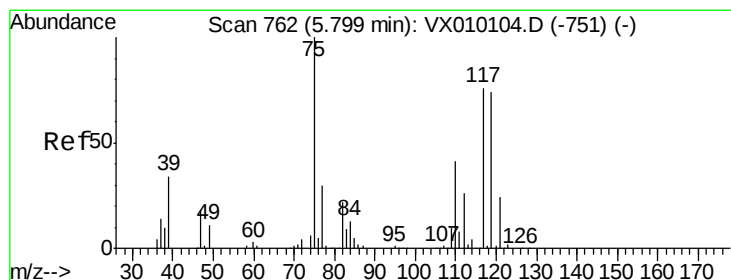
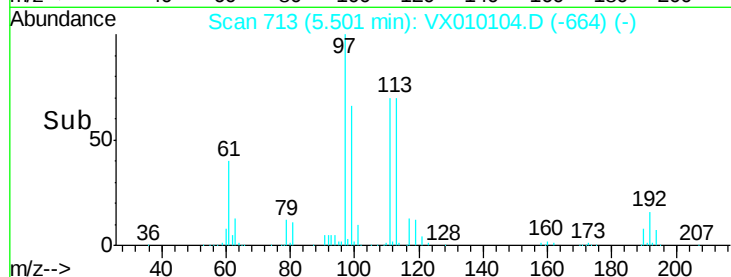
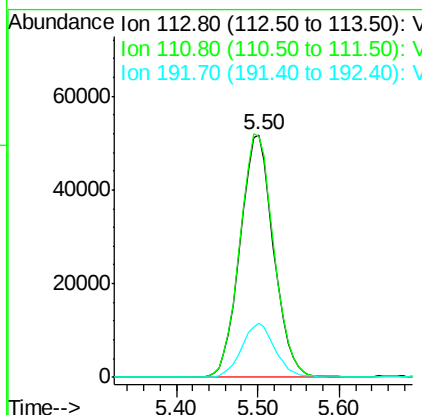
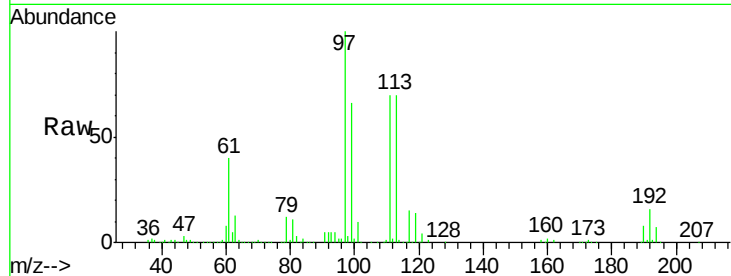
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.00 min
Lab File: VX010104.D
Acq: 07 Jun 2019 12:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	148020		
111	101.5	82.2	123.2	
192	22.2	17.1	25.7	

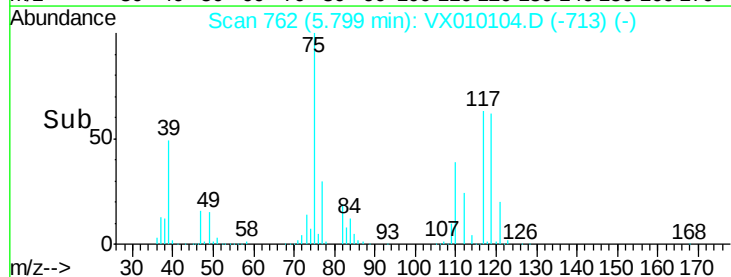
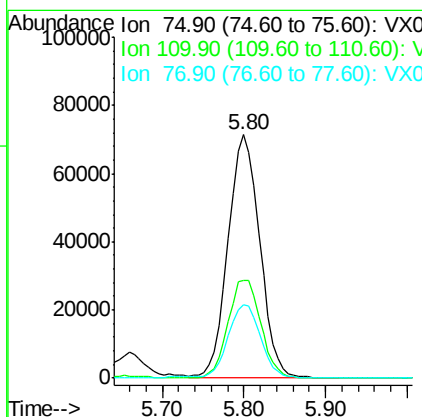
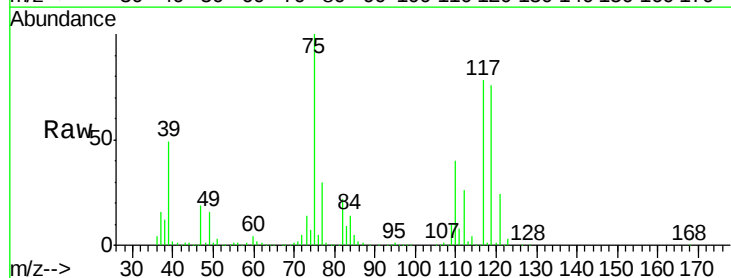
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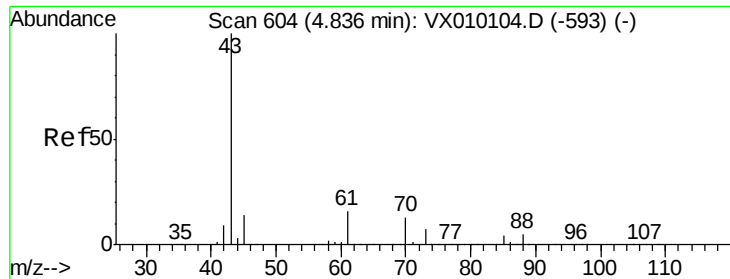
MMDadoda
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#36
1,1-Dichloropropene
Concen: 50.000 ug/l
RT: 5.80 min Scan# 762
Delta R.T. 0.00 min
Lab File: VX010104.D
Acq: 07 Jun 2019 12:41

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	191159		
110	41.9	16.7	50.1	
77	30.8	25.0	37.4	





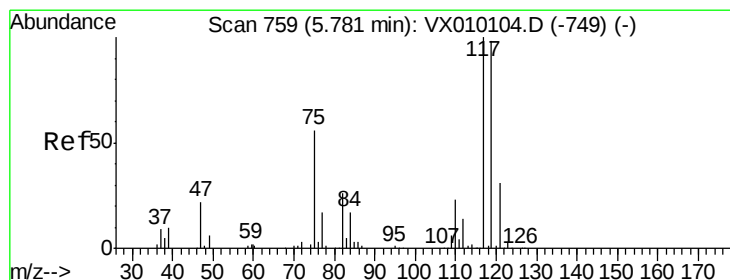
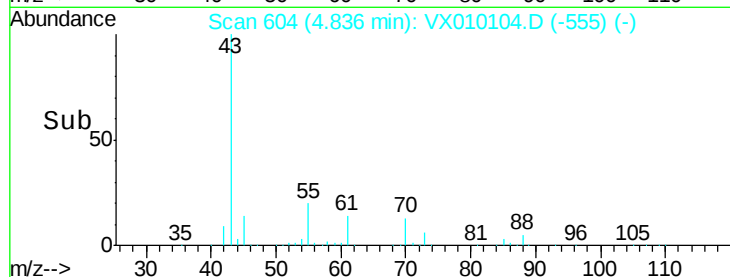
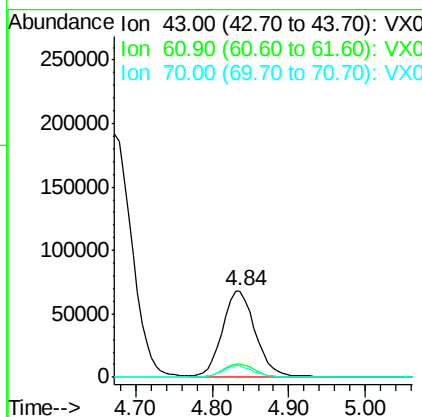
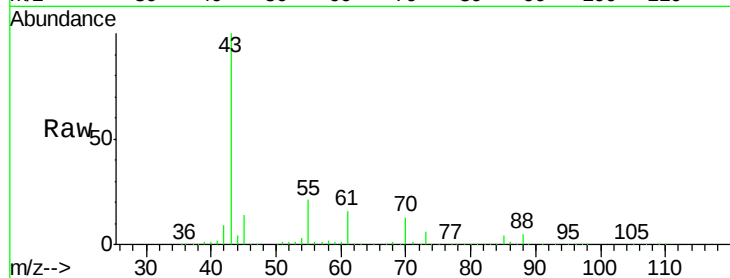
#37
Ethyl Acetate
Concen: 50.000 ug/l
RT: 4.84 min Scan# 604
Delta R.T. 0.00 min
Lab File: VX010104.D
Acq: 07 Jun 2019 12:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.7	10.2	15.2#
70	13.0	7.4	11.2#

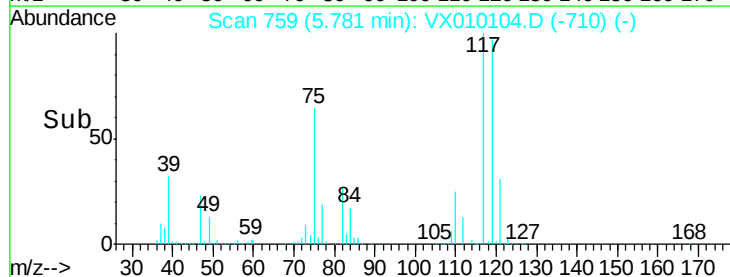
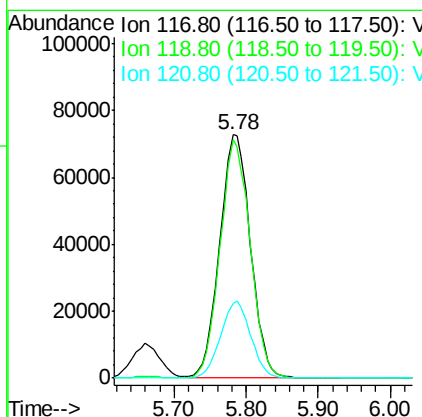
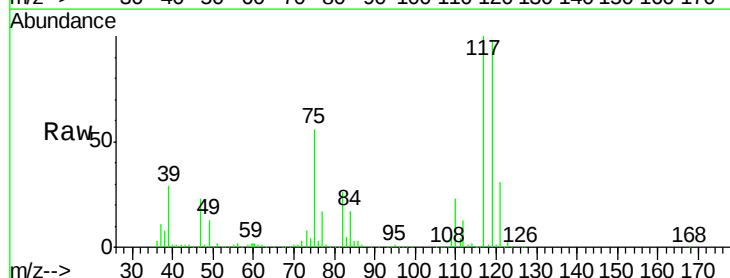
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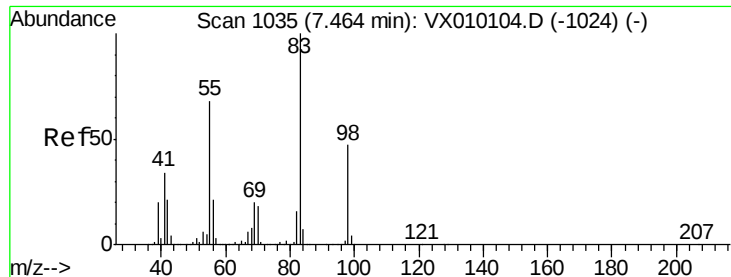
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#38
Carbon Tetrachloride
Concen: 50.000 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX010104.D
Acq: 07 Jun 2019 12:41

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.0	77.3	115.9
121	30.7	25.4	38.0





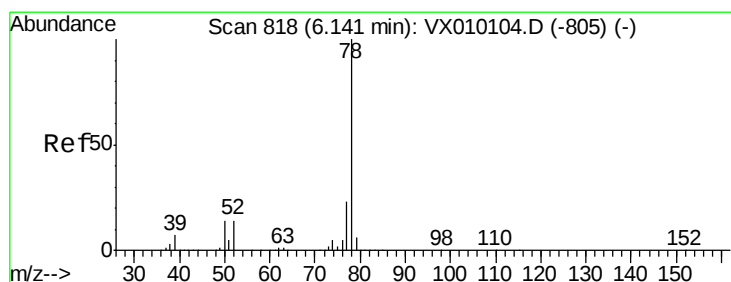
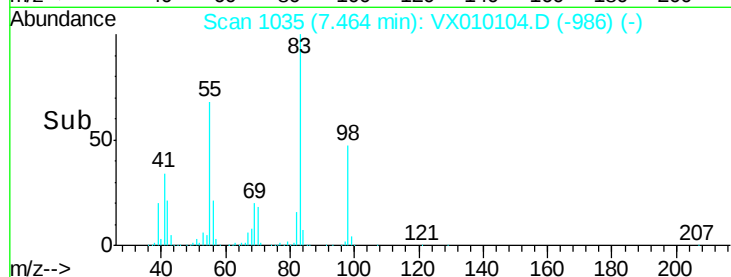
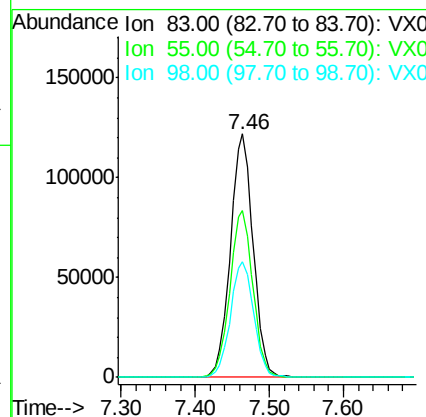
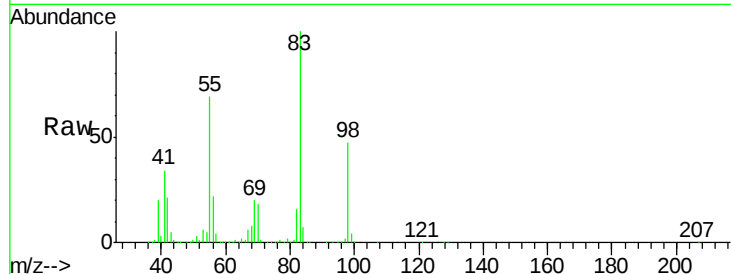
#39
Methvlcvclohexane
Concen: 50.000 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX010104.D
Acq: 07 Jun 2019 12:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	68.4	69.9	104.9#
98	47.4	35.1	52.7

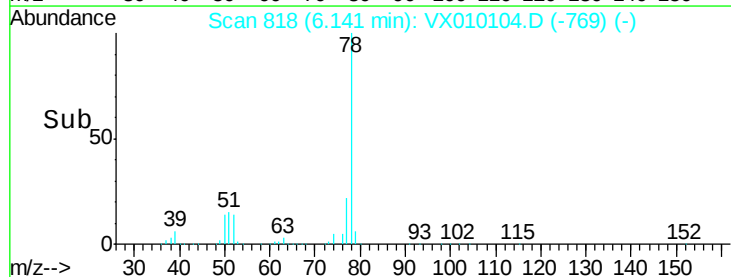
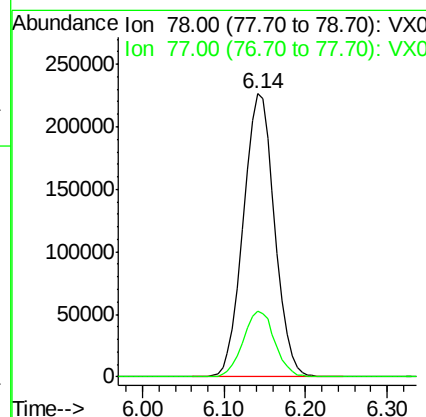
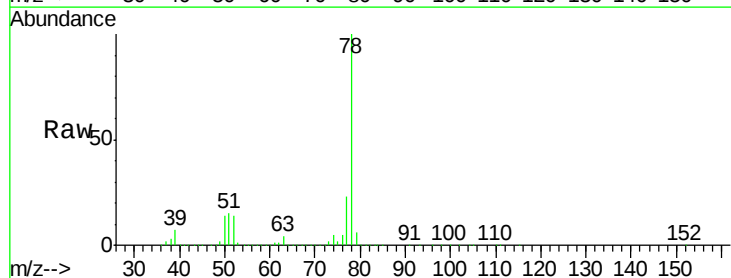
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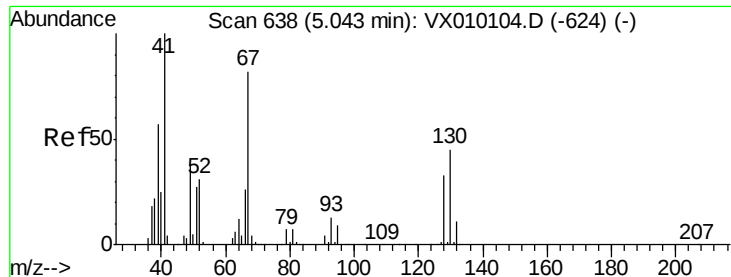
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#40
Benzene
Concen: 50.000 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX010104.D
Acq: 07 Jun 2019 12:41

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	19.2	28.8





#41

Methacrylonitrile

Concen: 50.000 ug/l

RT: 5.04 min Scan# 638

Delta R.T. 0.00 min

Lab File: VX010104.D

Acq: 07 Jun 2019 12:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 41 Resp: 109919
Ion Ratio Lower Upper

41 100

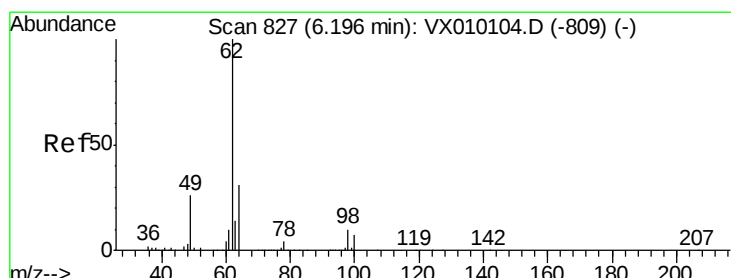
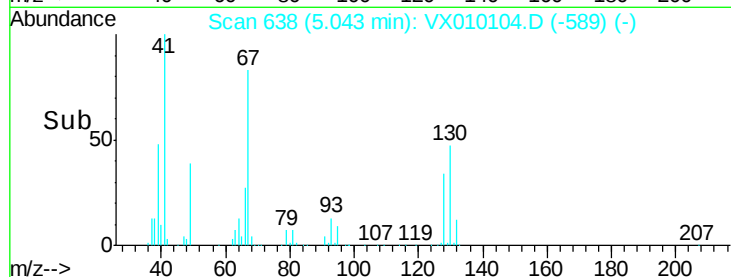
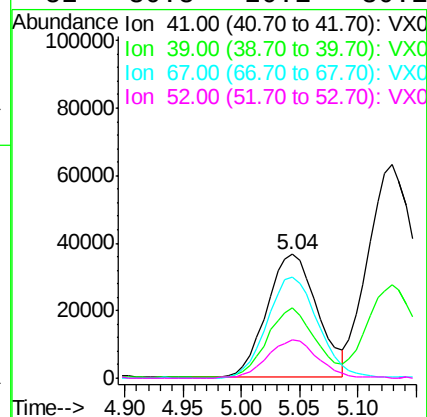
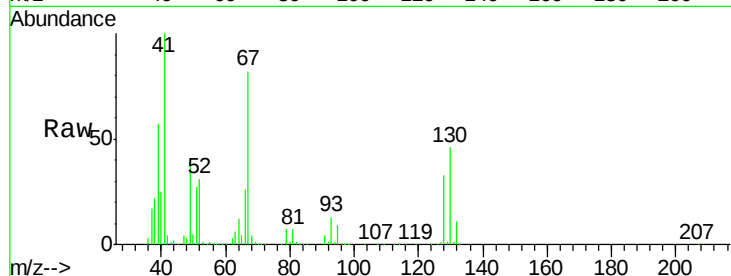
39 54.2 42.2 63.4

67 82.9 48.9 73.3#

52 30.8 20.1 30.1#

Manual Integrations
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6/10/2019 10:53:35 AM



#42

1,2-Dichloroethane

Concen: 50.000 ug/l

RT: 6.20 min Scan# 827

Delta R.T. 0.00 min

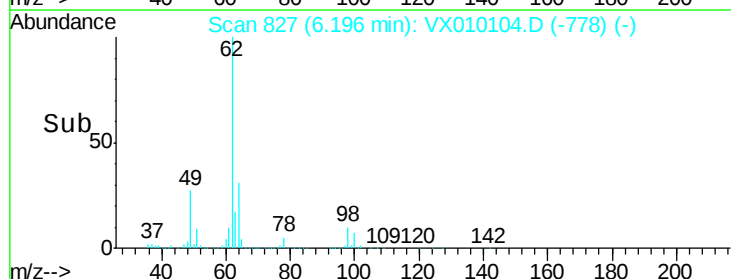
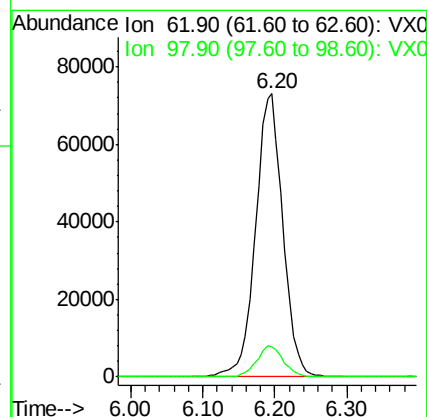
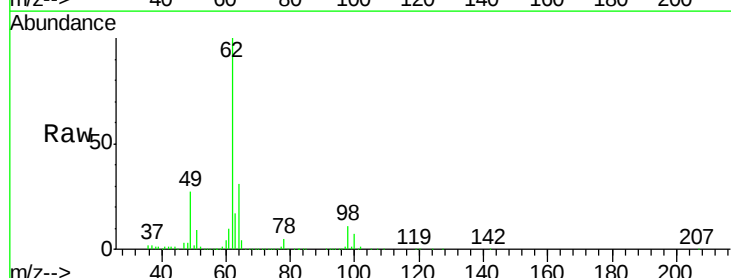
Lab File: VX010104.D

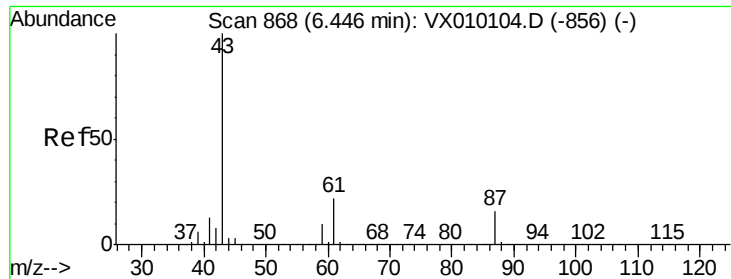
Acq: 07 Jun 2019 12:41

Tgt Ion: 62 Resp: 191176
Ion Ratio Lower Upper

62 100

98 10.5 0.0 17.2





#43

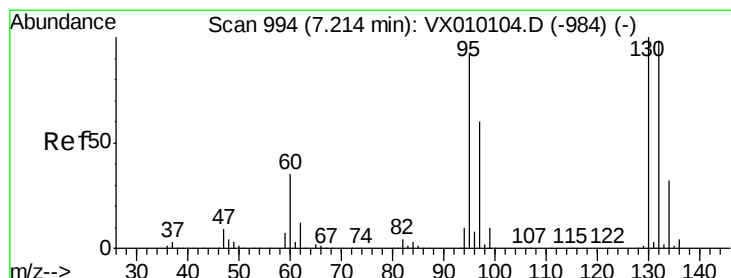
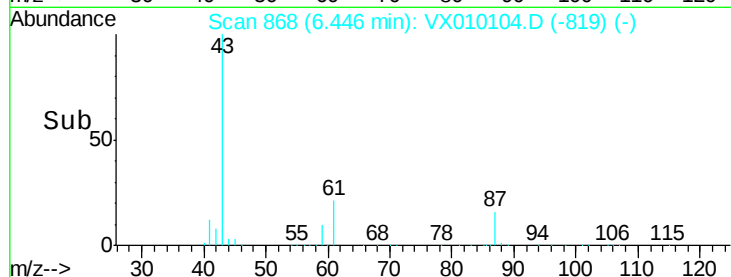
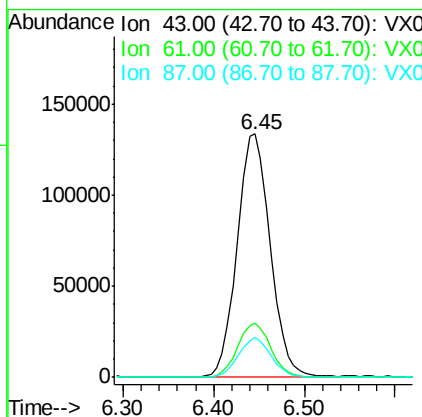
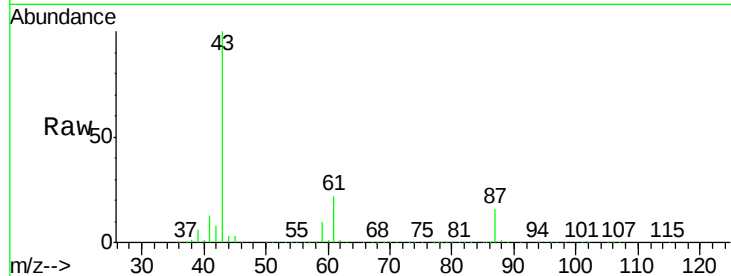
Isopropyl Acetate
 Concen: 50.000 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. 0.00 min
 Lab File: VX010104.D
 Acq: 07 Jun 2019 12:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	22.5	14.6	21.8#
87	16.2	8.7	13.1#

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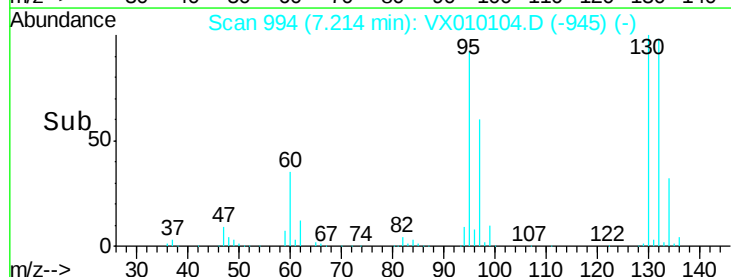
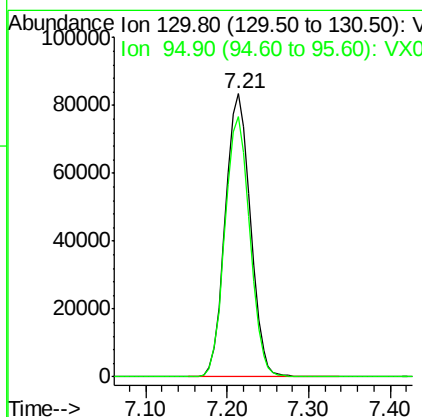
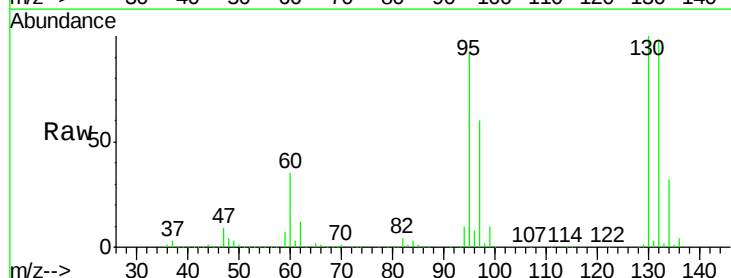
MMDadoda
 6/10/2019 10:53:35 AM

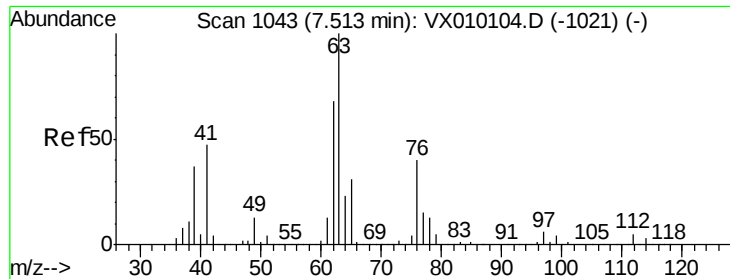


#44

Trichloroethene
 Concen: 50.000 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX010104.D
 Acq: 07 Jun 2019 12:41

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.0	0.0	207.4





#45

1,2-Dichloropropane

Concen: 50.000 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX010104.D

Acq: 07 Jun 2019 12:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 63 Resp: 150359

Ion Ratio Lower Upper

63 100

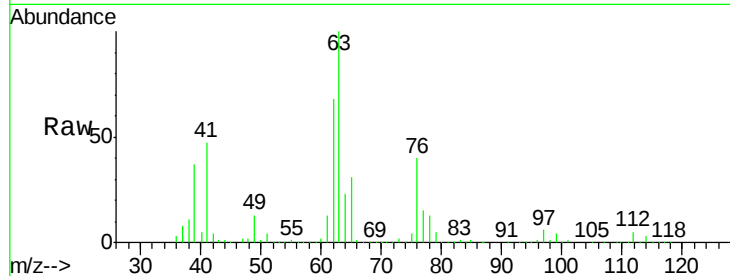
65 31.4 25.7 38.5

Manual Integrations

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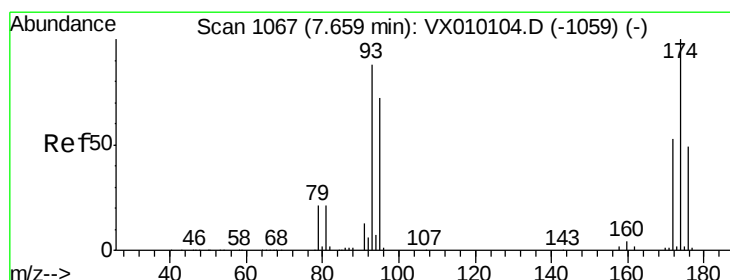
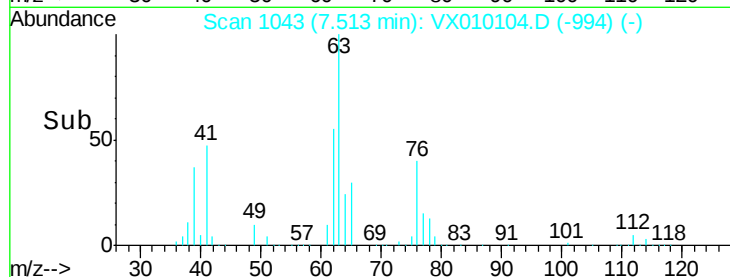
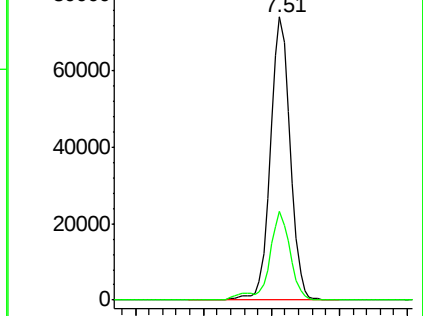
MMDadoda

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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: 50.000 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX010104.D

Acq: 07 Jun 2019 12:41

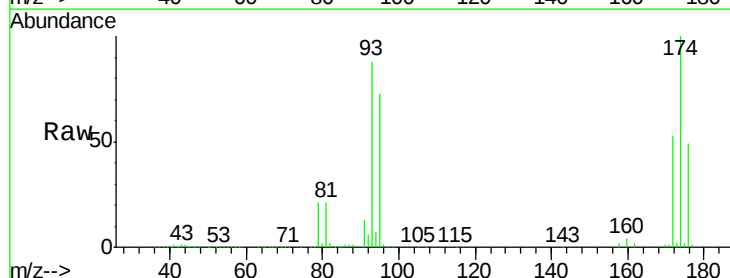
Tgt Ion: 93 Resp: 108272

Ion Ratio Lower Upper

93 100

95 83.9 66.8 100.2

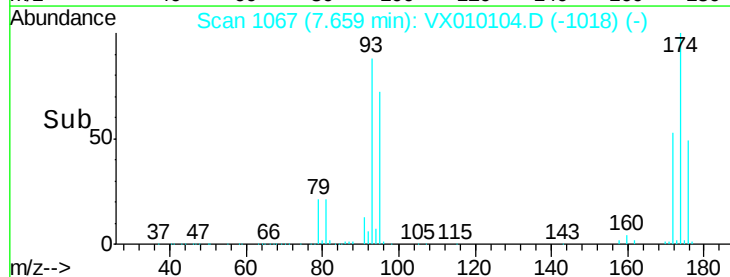
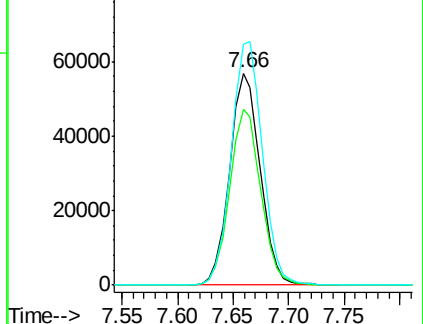
174 117.1 81.9 122.9

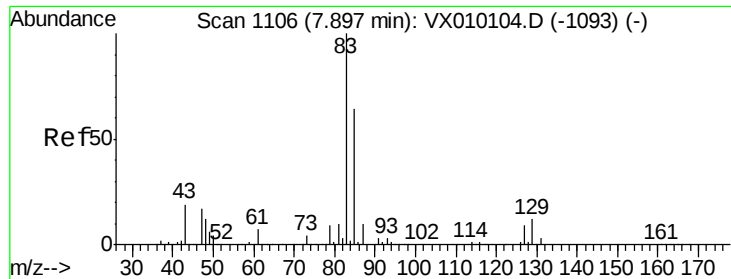


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 50.000 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX010104.D

Acq: 07 Jun 2019 12:41

Instrument :

MSVOA_X

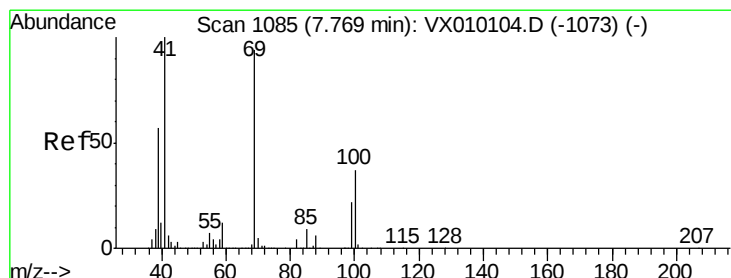
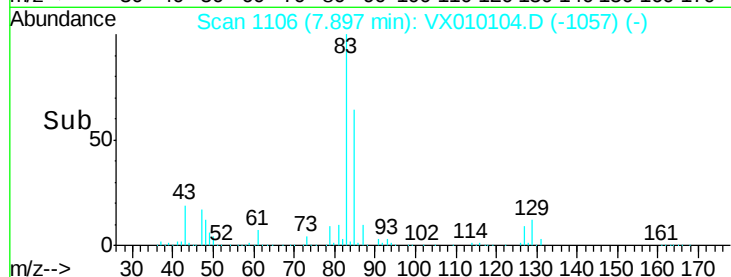
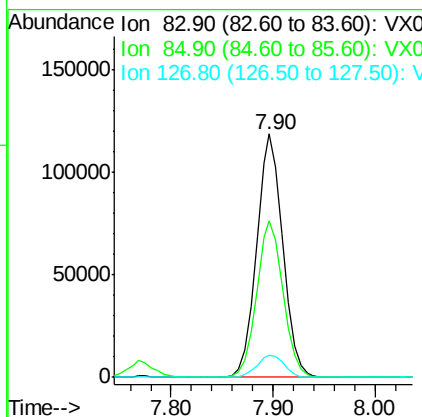
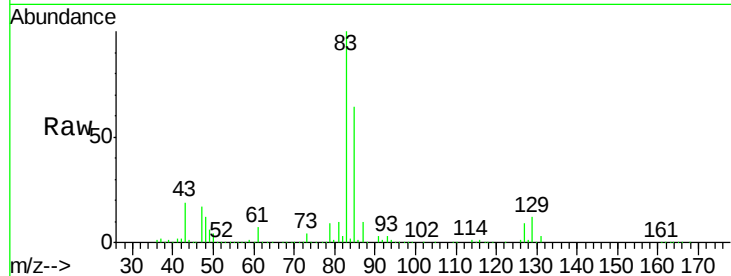
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	211150
Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.4	77.2
127	9.1	6.4	9.6

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#48

Methyl methacrylate

Concen: 50.000 ug/l

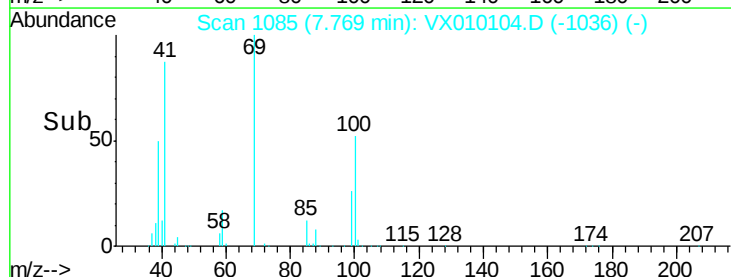
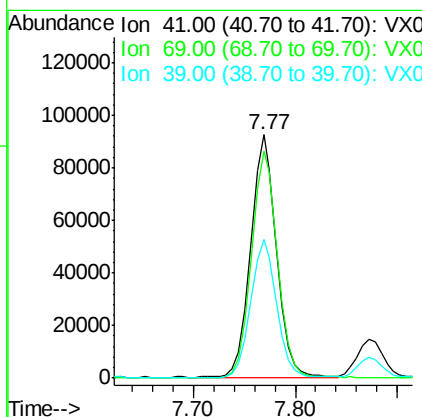
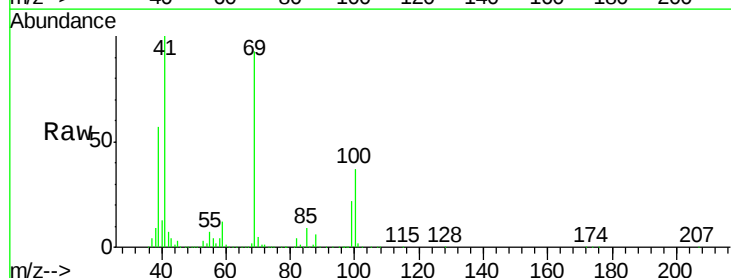
RT: 7.77 min Scan# 1085

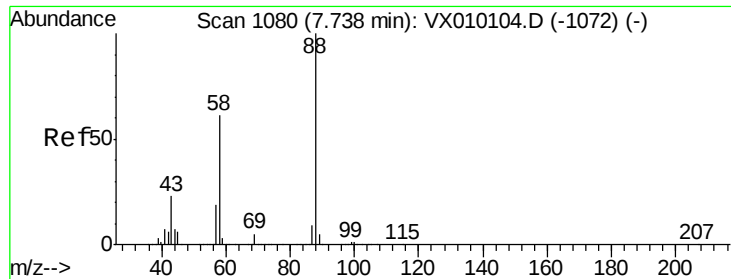
Delta R.T. 0.00 min

Lab File: VX010104.D

Acq: 07 Jun 2019 12:41

Tgt Ion:	41	Resp:	162485
Ion	Ratio	Lower	Upper
41	100		
69	94.7	56.4	84.6#
39	57.4	40.6	60.8





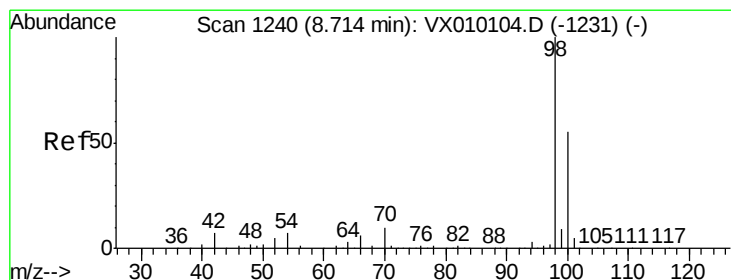
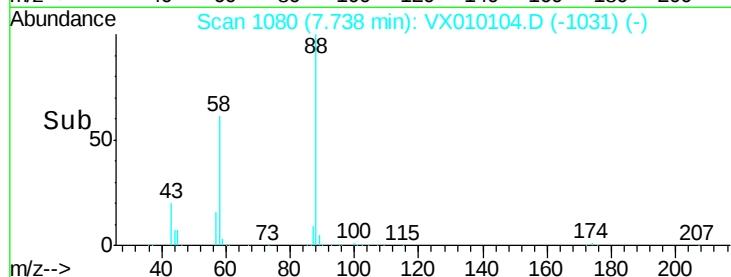
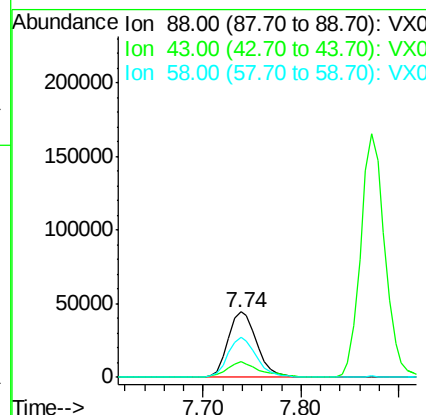
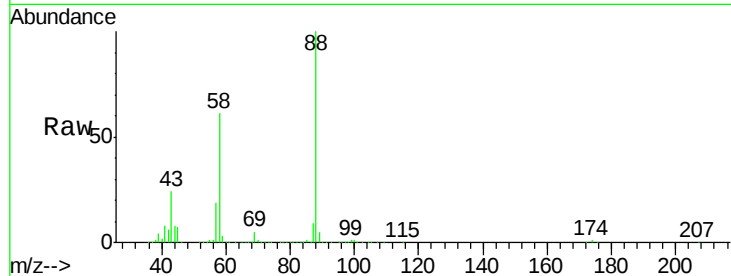
#49
1,4-Dioxane
Concen: 1000.000 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX010104.D
Acq: 07 Jun 2019 12:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	26.4	30.2	45.4#
58	62.5	64.0	96.0#

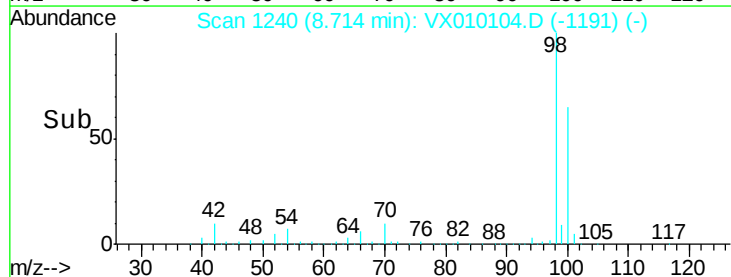
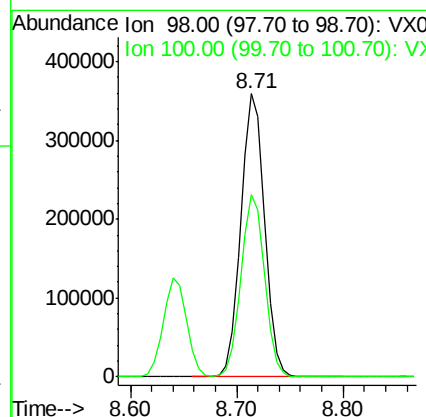
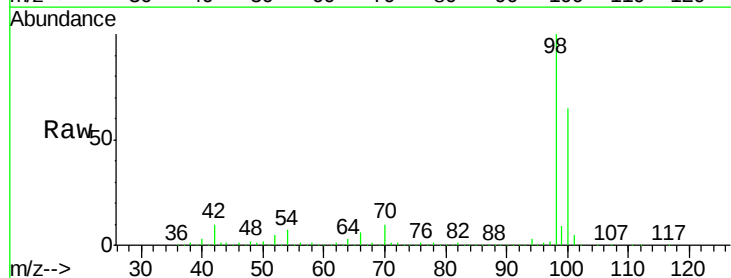
Manual Integrations
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#50
Toluene-d8
Concen: 50.000 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010104.D
Acq: 07 Jun 2019 12:41

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.5	77.3





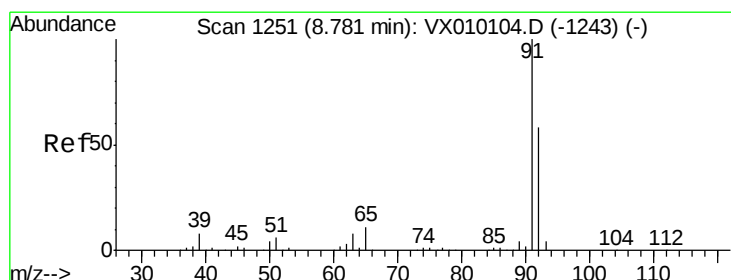
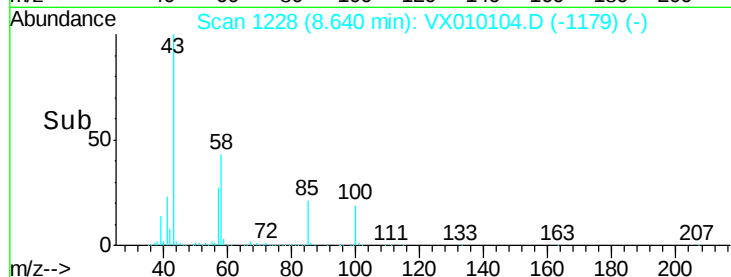
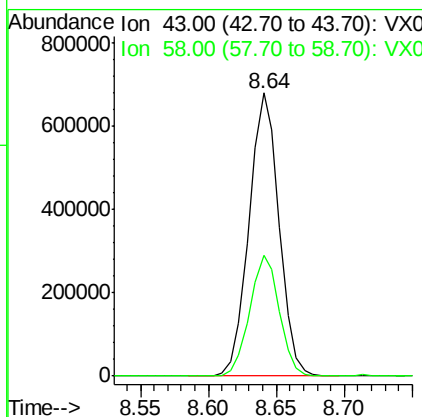
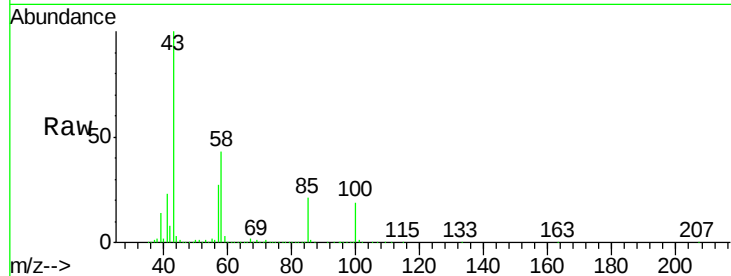
#51
4-Methyl-2-Pentanone
Concen: 250.000 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VX010104.D
Acq: 07 Jun 2019 12:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 1047102
Ion Ratio Lower Upper
43 100
58 42.3 28.8 43.2

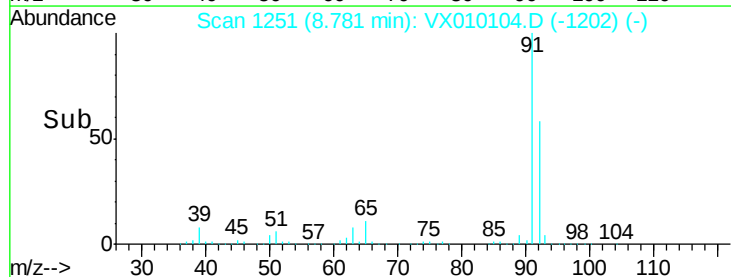
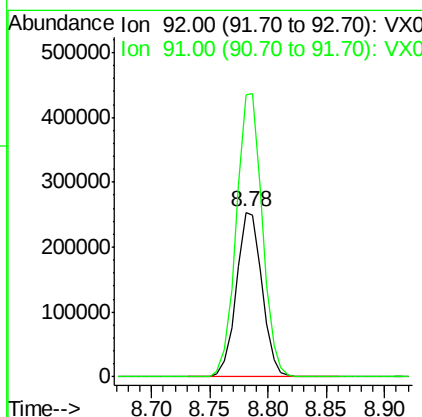
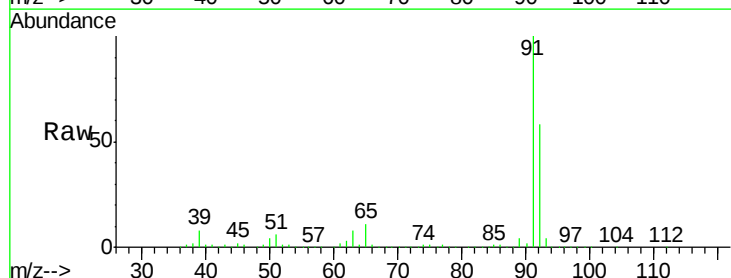
Manual Integrations
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#52
Toluene
Concen: 50.000 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VX010104.D
Acq: 07 Jun 2019 12:41

Tgt Ion: 92 Resp: 389904
Ion Ratio Lower Upper
92 100
91 174.5 139.9 209.9





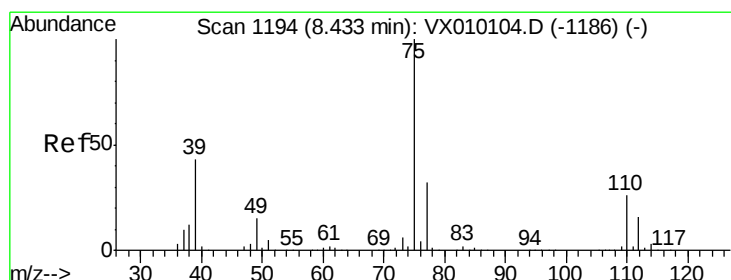
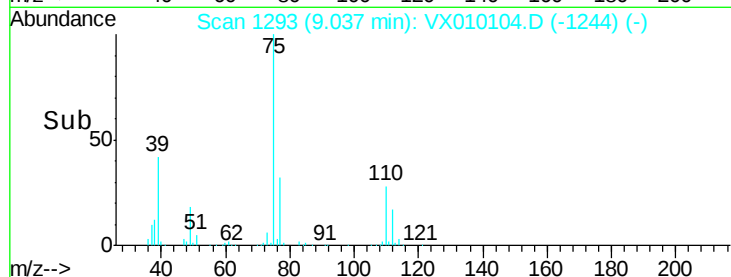
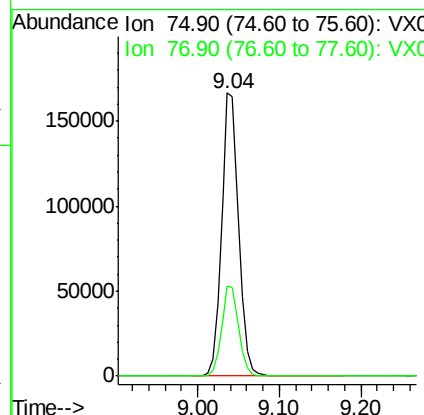
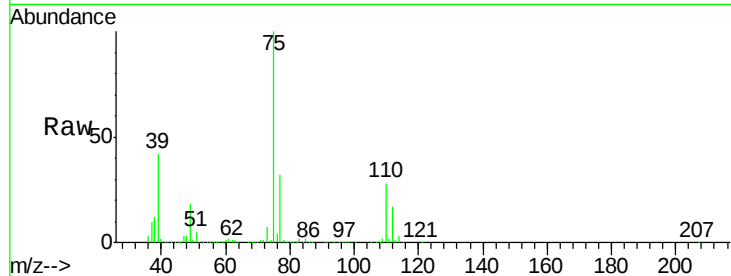
#53
t-1,3-Dichloropropene
Concen: 50.000 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VX010104.D
Acq: 07 Jun 2019 12:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.0	24.6	36.8

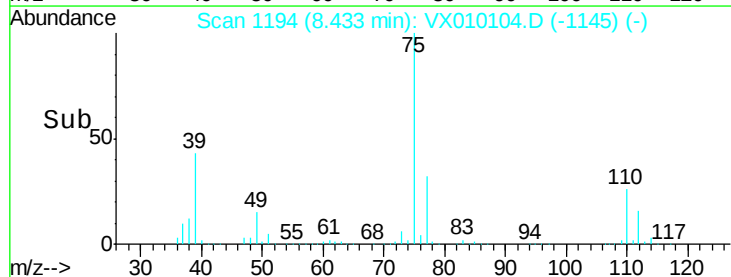
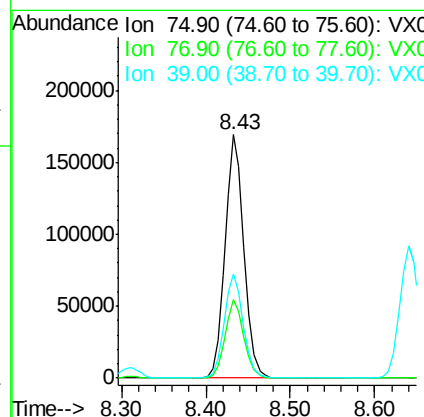
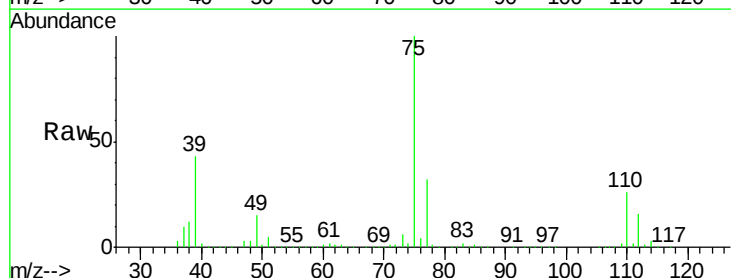
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#54
cis-1,3-Dichloropropene
Concen: 50.000 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX010104.D
Acq: 07 Jun 2019 12:41

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.1	24.8	37.2
39	42.7	43.4	65.0#





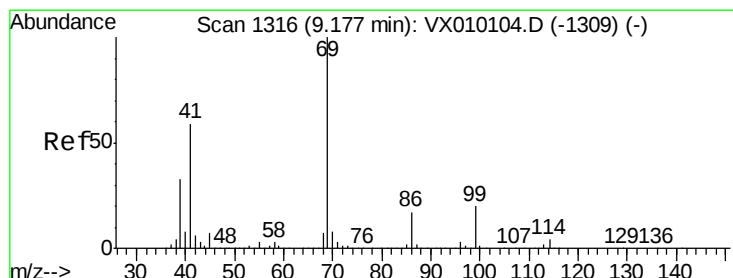
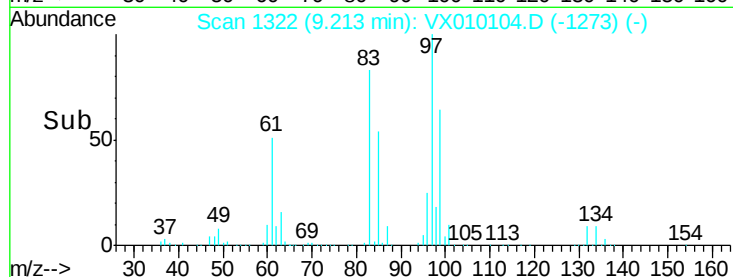
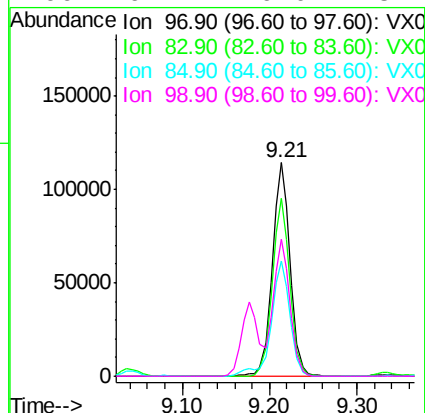
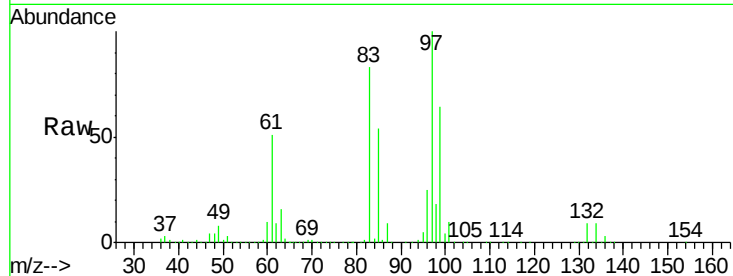
#55
 1,1,2-Trichloroethane
 Concen: 50.000 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX010104.D
 Acq: 07 Jun 2019 12:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	97	Resp	163204
Ion Ratio	Lower	Upper	
97	100		
83	83.1	69.8	104.8
85	53.9	45.3	67.9
99	64.2	49.0	73.4

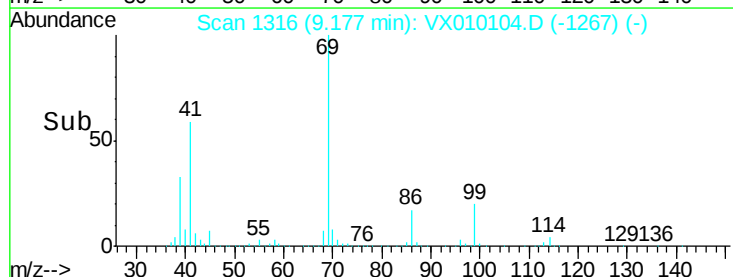
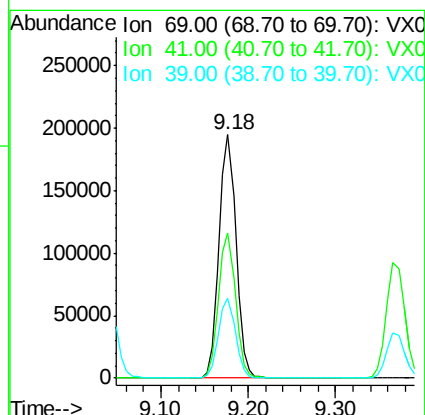
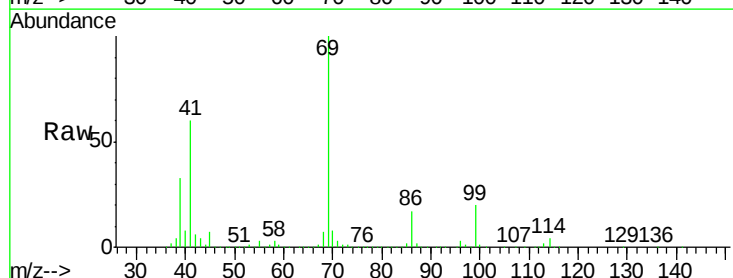
Manual Integrations
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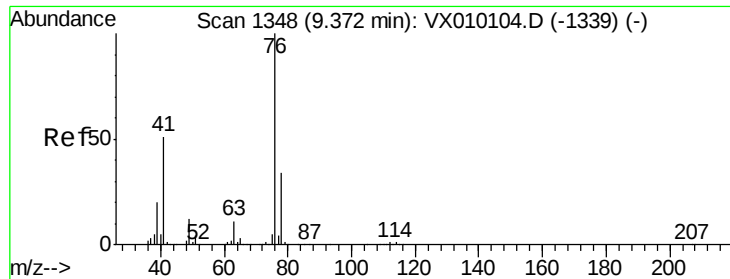
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 6/10/2019 10:53:35 AM



#56
 Ethyl methacrylate
 Concen: 50.000 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX010104.D
 Acq: 07 Jun 2019 12:41

Tgt Ion	69	Resp	261454
Ion Ratio	Lower	Upper	
69	100		
41	59.1	62.7	94.1#
39	32.4	29.5	44.3





#57

1,3-Dichloropropane

Concen: 50.000 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX010104.D

Acq: 07 Jun 2019 12:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 76 Resp: 253370

Ion Ratio Lower Upper

76 100

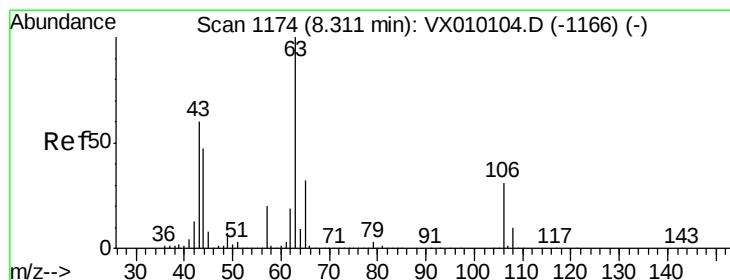
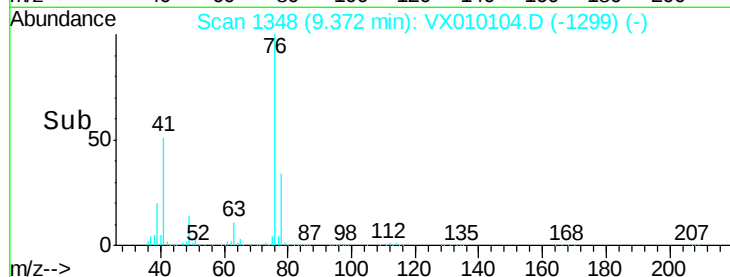
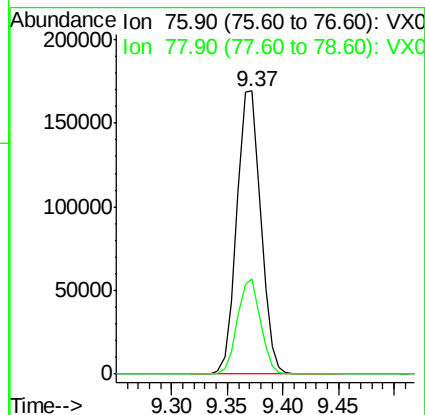
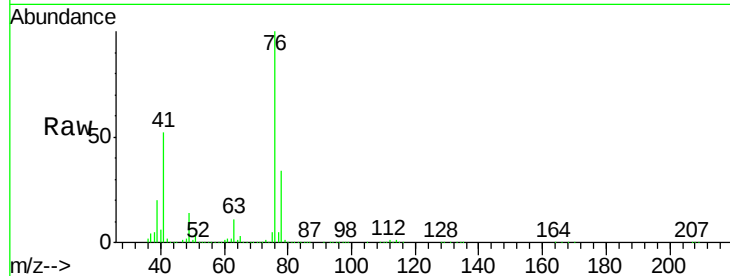
78 32.7 25.4 38.0

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 250.000 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX010104.D

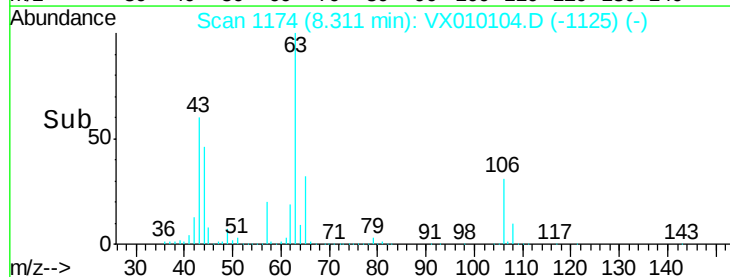
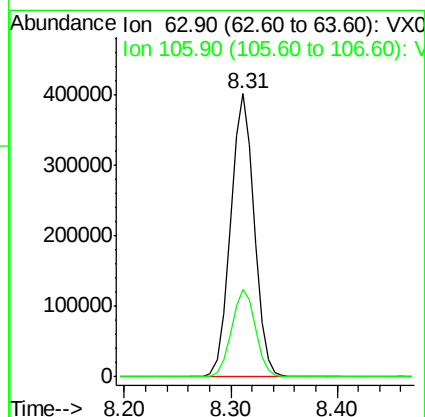
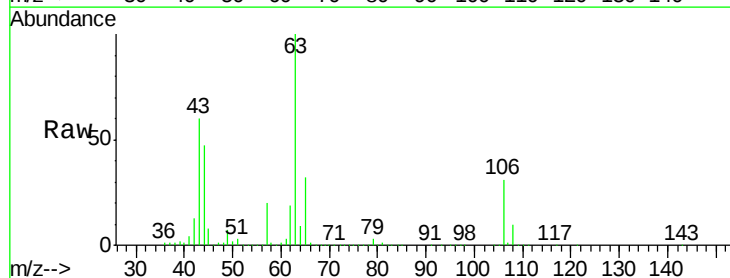
Acq: 07 Jun 2019 12:41

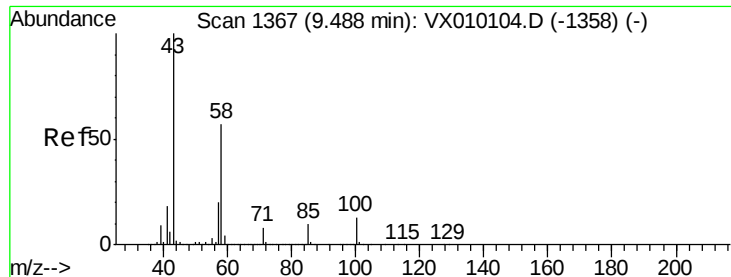
Tgt Ion: 63 Resp: 623933

Ion Ratio Lower Upper

63 100

106 31.2 19.4 29.2#





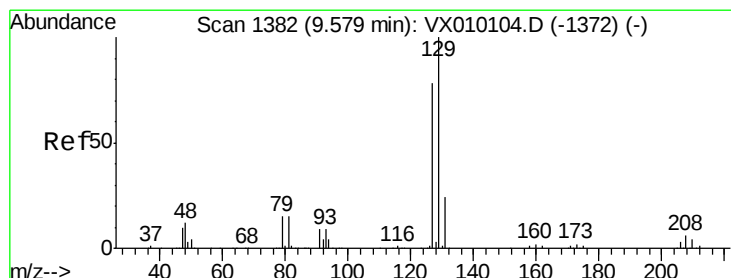
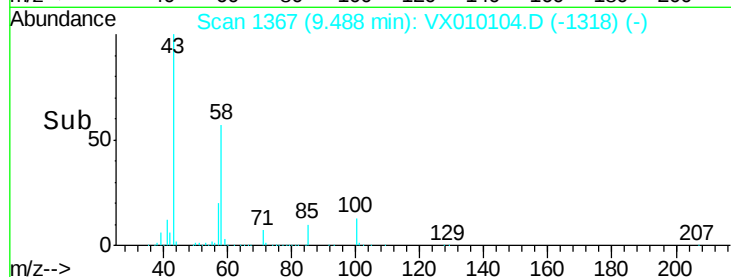
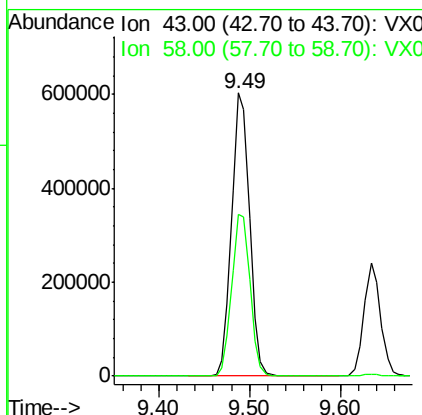
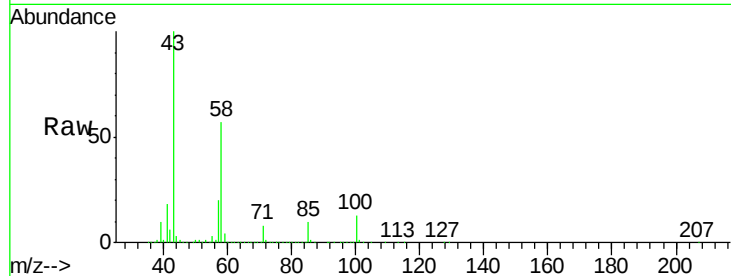
#59
2-Hexanone
Concen: 250.000 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX010104.D
Acq: 07 Jun 2019 12:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 828571
Ion Ratio Lower Upper
43 100
58 58.5 25.1 75.3

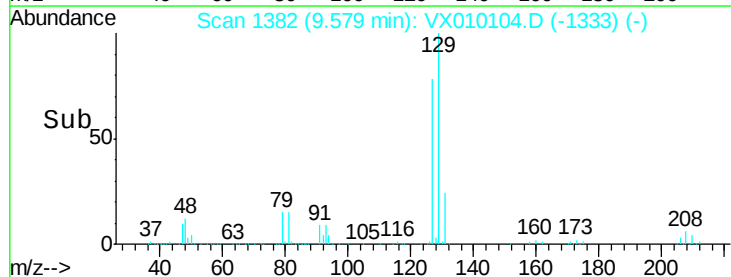
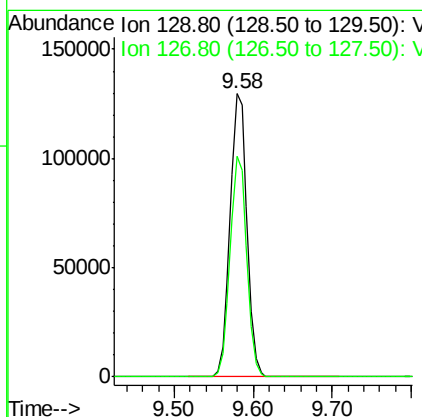
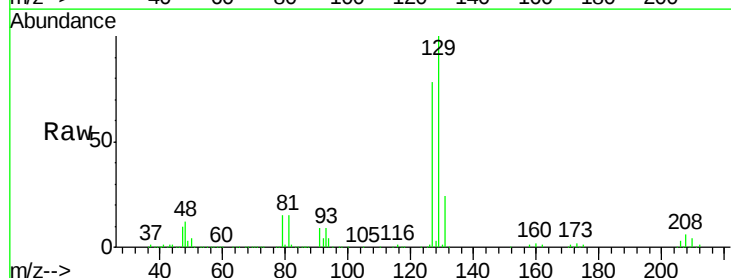
Manual Integrations
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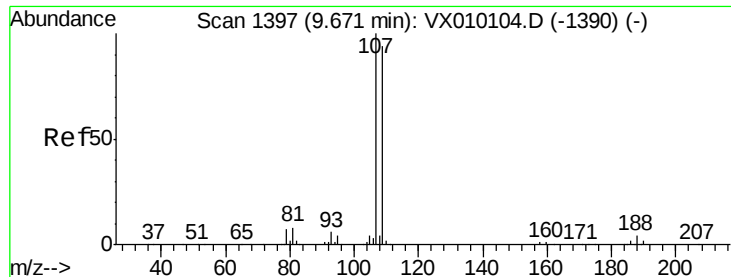
MMDadoda
6/10/2019 10:53:35 AM



#60
Dibromochloromethane
Concen: 50.000 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX010104.D
Acq: 07 Jun 2019 12:41

Tgt Ion:129 Resp: 193004
Ion Ratio Lower Upper
129 100
127 76.9 38.5 115.5





#61

1,2-Dibromoethane

Concen: 50.000 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX010104.D

Acq: 07 Jun 2019 12:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 107 Resp: 179025

Ion Ratio Lower Upper

107 100

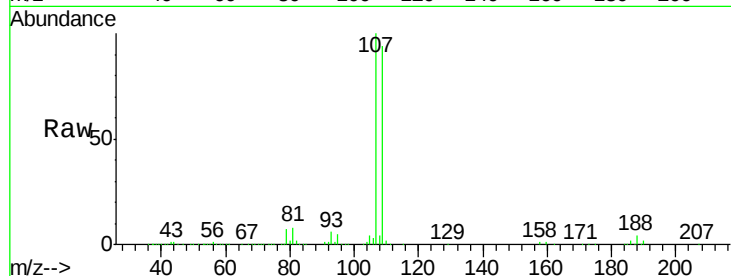
109 94.1 75.4 113.2

Manual Integrations

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

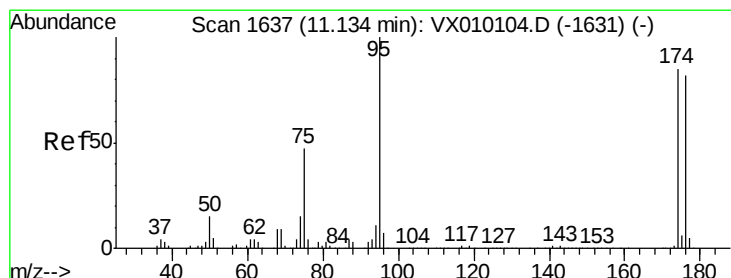
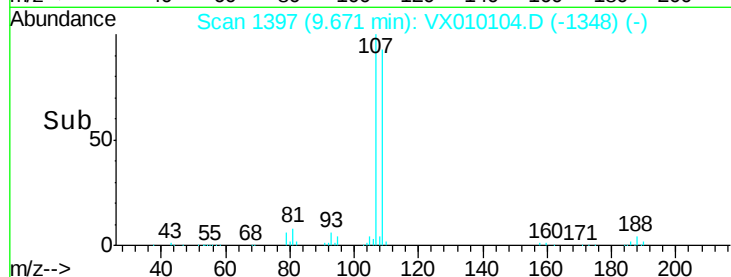
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 50.000 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010104.D

Acq: 07 Jun 2019 12:41

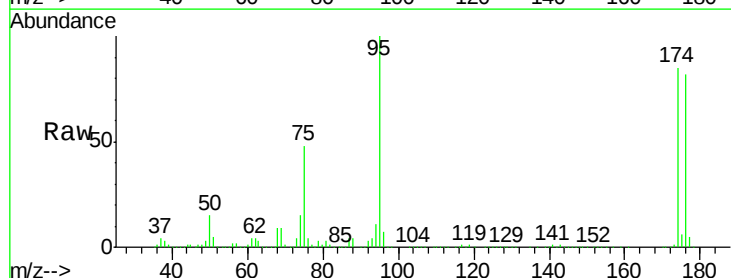
Tgt Ion: 95 Resp: 210675

Ion Ratio Lower Upper

95 100

174 88.0 0.0 160.4

176 85.2 0.0 154.6



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

11.13

200000

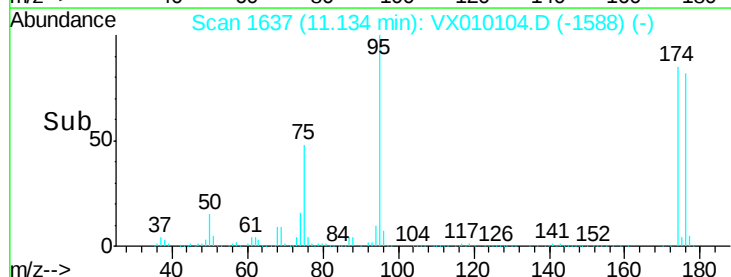
150000

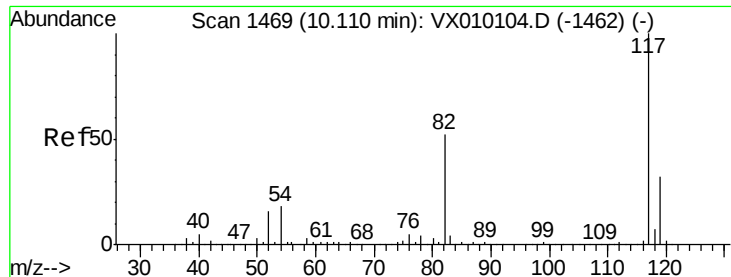
100000

50000

0

Time-->





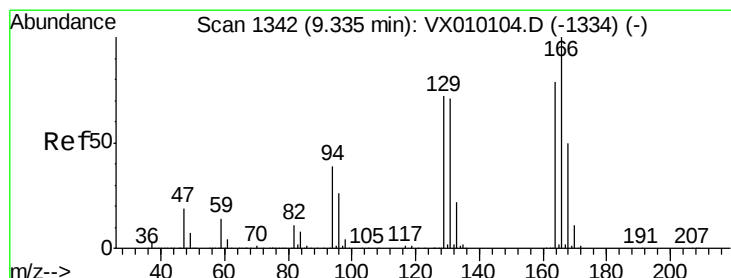
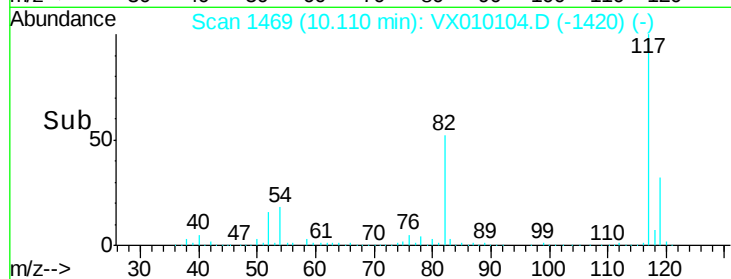
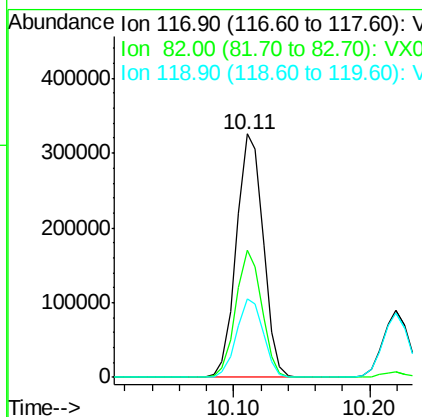
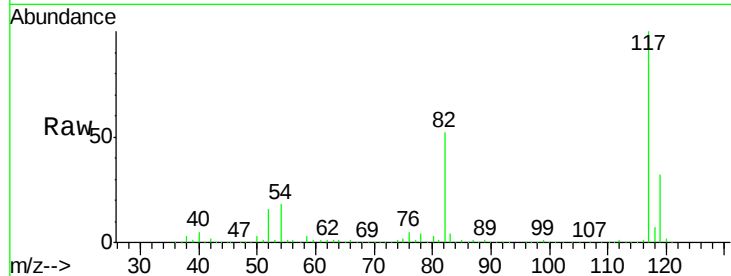
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010104.D
Acq: 07 Jun 2019 12:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.3	49.2	73.8
119	32.2	25.2	37.8

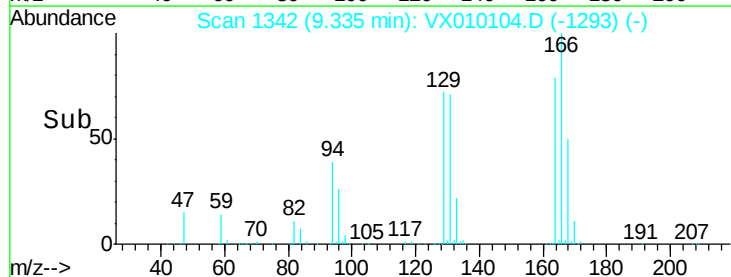
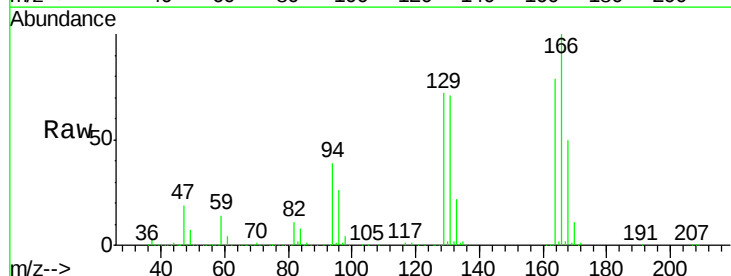
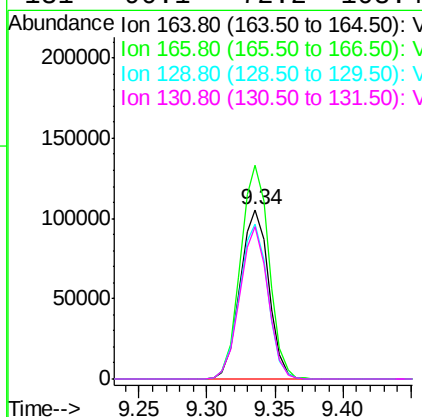
Manual Integrations
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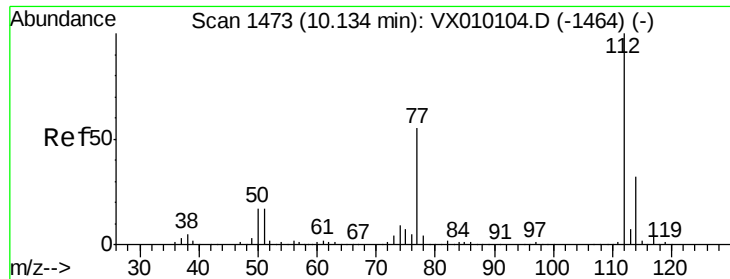
MMDadoda
6/10/2019 10:53:35 AM



#64
Tetrachloroethene
Concen: 50.000 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX010104.D
Acq: 07 Jun 2019 12:41

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.4	105.0	157.4
129	91.4	75.1	112.7
131	90.1	72.2	108.4





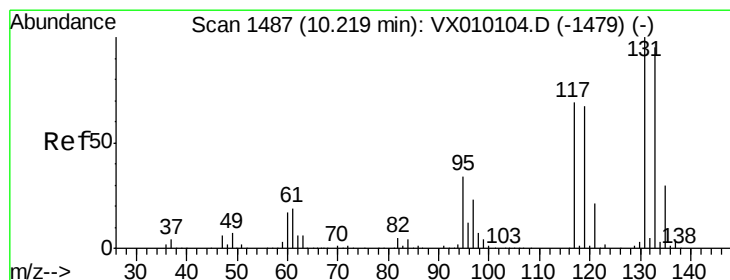
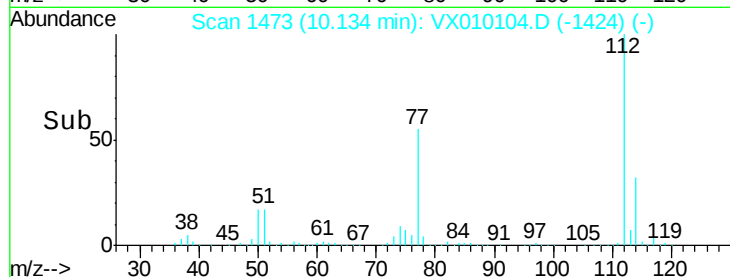
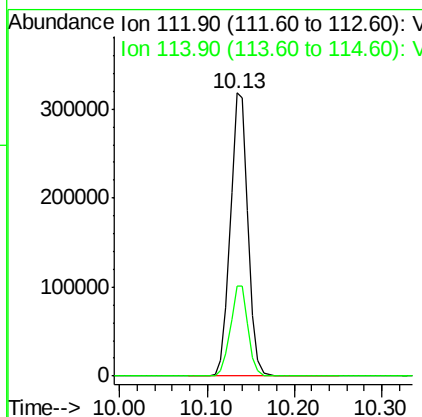
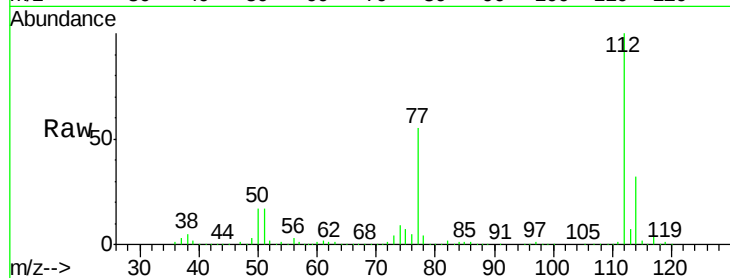
#65
Chlorobenzene
Concen: 50.000 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX010104.D
Acq: 07 Jun 2019 12:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion:112 Resp: 444694
Ion Ratio Lower Upper
112 100
114 32.0 25.8 38.8

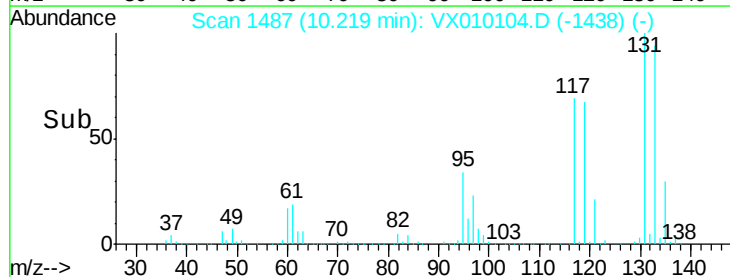
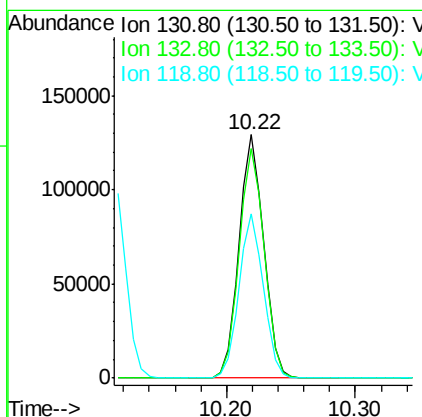
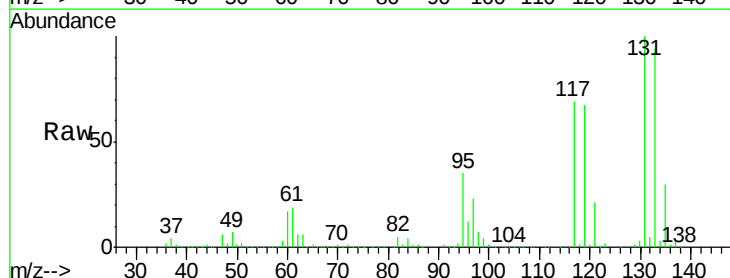
Manual Integrations
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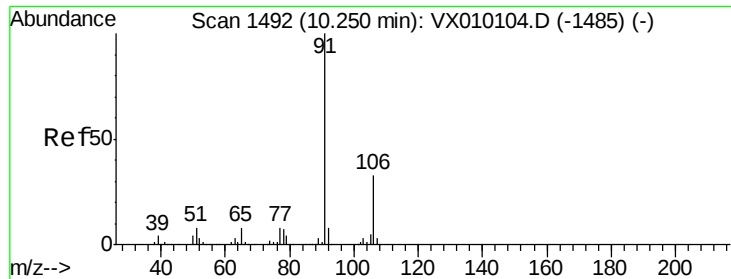
MMDadoda
6/10/2019 10:53:35 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 50.000 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX010104.D
Acq: 07 Jun 2019 12:41

Tgt Ion:131 Resp: 171360
Ion Ratio Lower Upper
131 100
133 95.5 47.5 142.6
119 67.0 33.4 100.1





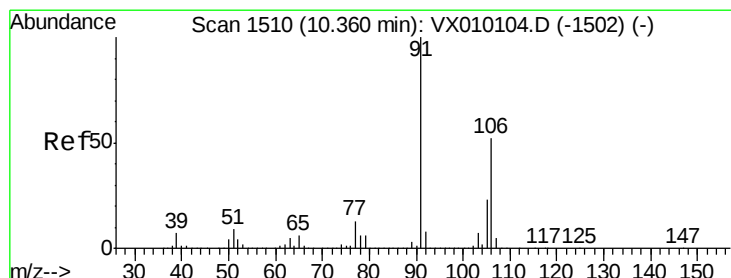
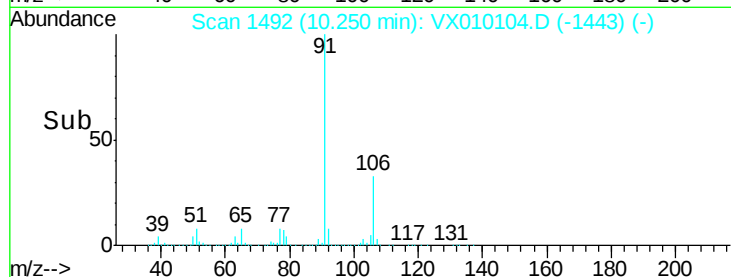
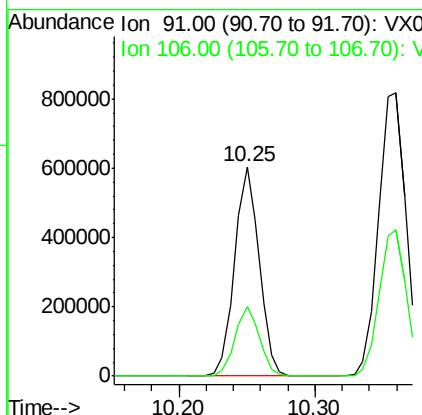
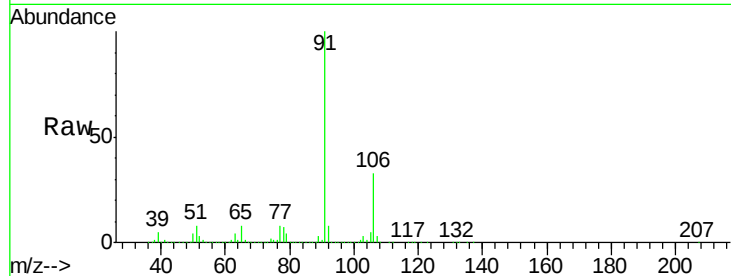
#67
Ethyl Benzene
Concen: 50.000 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX010104.D
Acq: 07 Jun 2019 12:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 758030
Ion Ratio Lower Upper
91 100
106 33.1 23.9 35.9

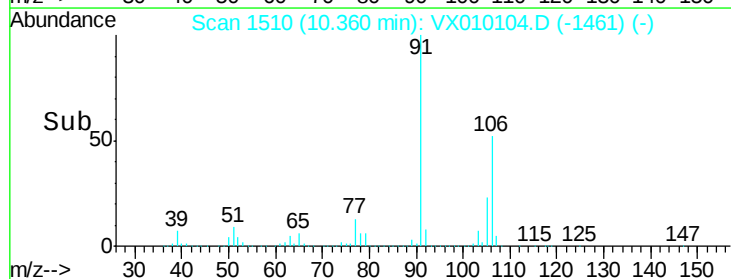
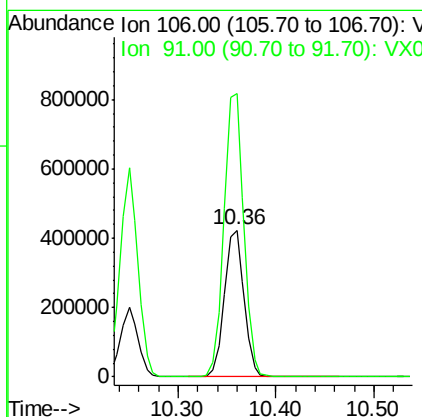
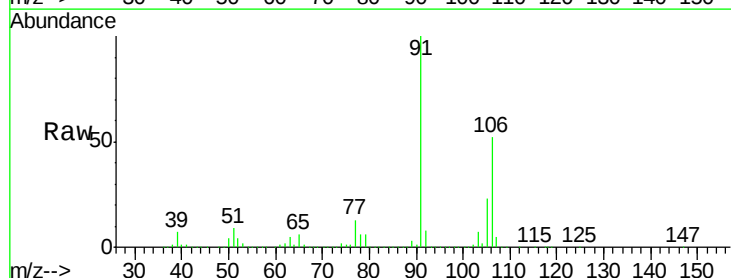
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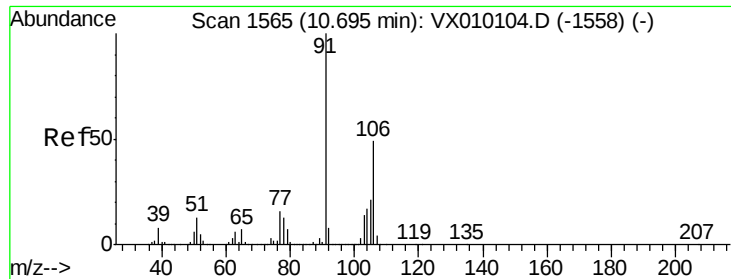
MMDadoda
6/10/2019 10:53:35 AM



#68
m/p-Xylenes
Concen: 100.000 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX010104.D
Acq: 07 Jun 2019 12:41

Tgt Ion: 106 Resp: 586760
Ion Ratio Lower Upper
106 100
91 195.4 167.3 250.9





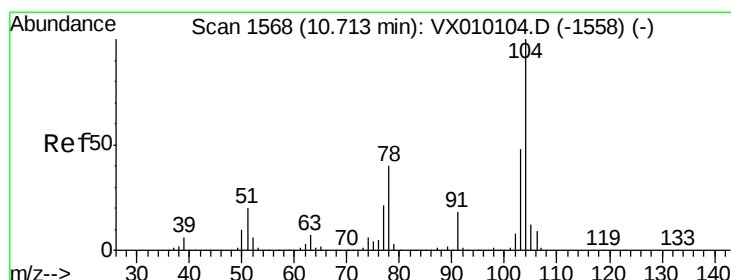
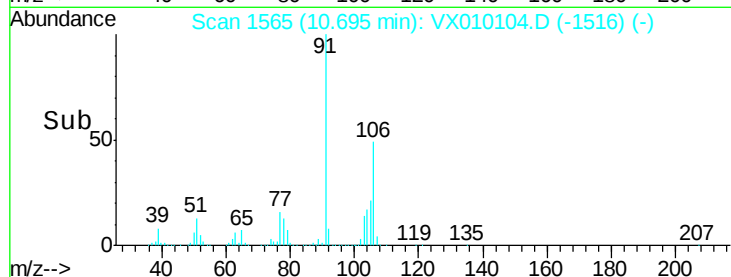
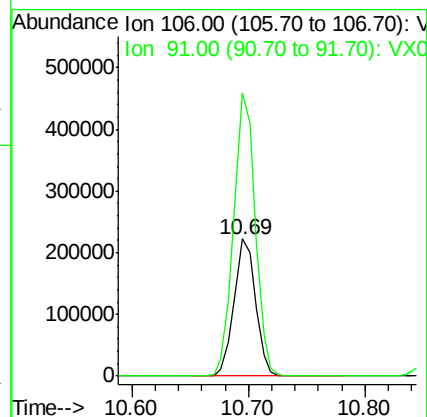
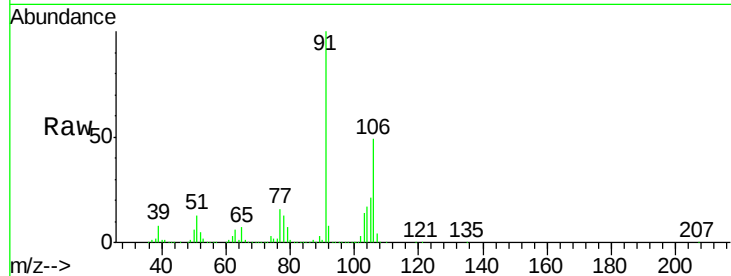
#69
o-Xylene
Concen: 50.000 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX010104.D
Acq: 07 Jun 2019 12:41

Instrument :
MSVOA_X
ClientSampled :
VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	288506		
91	91	206.3	110.4	331.2	

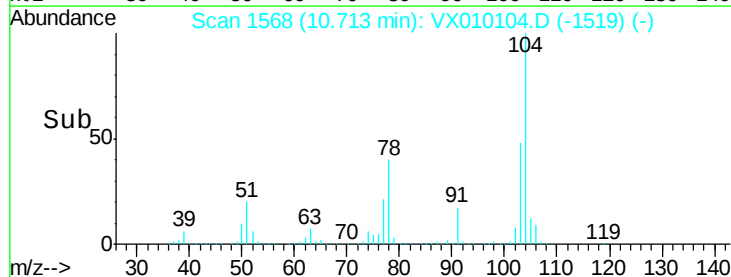
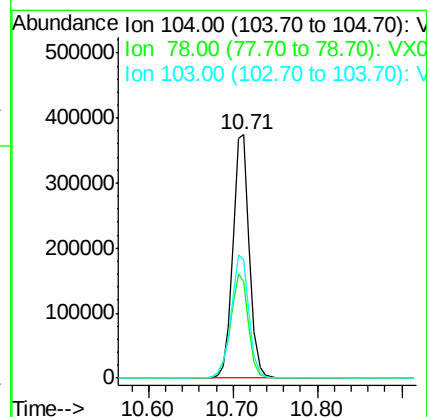
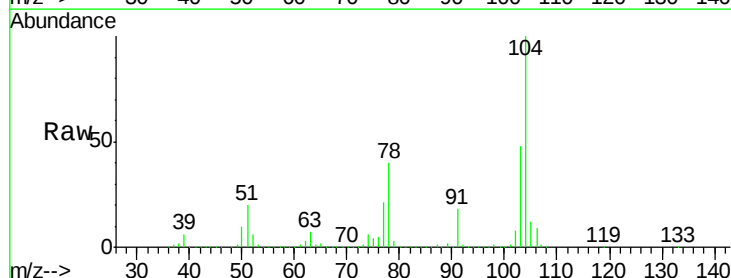
Manual Integrations
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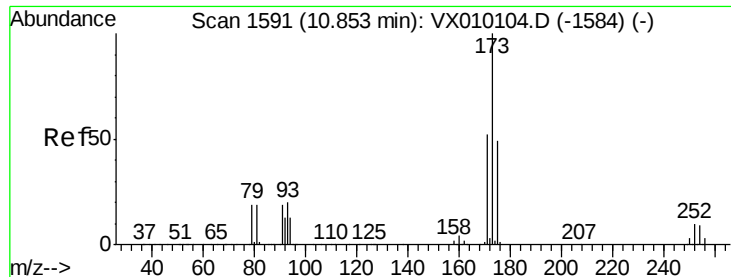
MMDadoda
6/10/2019 10:53:35 AM



#70
Styrene
Concen: 50.000 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX010104.D
Acq: 07 Jun 2019 12:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	501406		
78	78	46.6	42.1	63.1	
103	103	54.5	44.1	66.1	





#71

Bromoform

Concen: 50.000 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX010104.D

Acq: 07 Jun 2019 12:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion:173 Resp: 158985

Ion Ratio Lower Upper

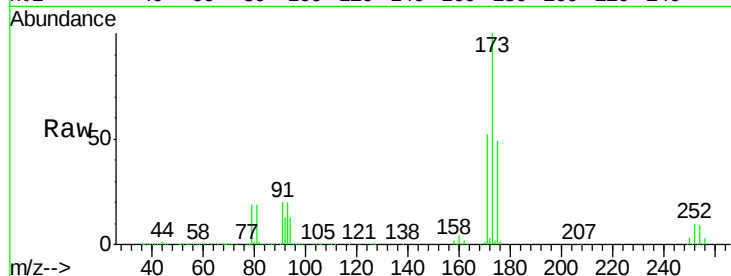
173 100

175 49.0 25.0 75.0

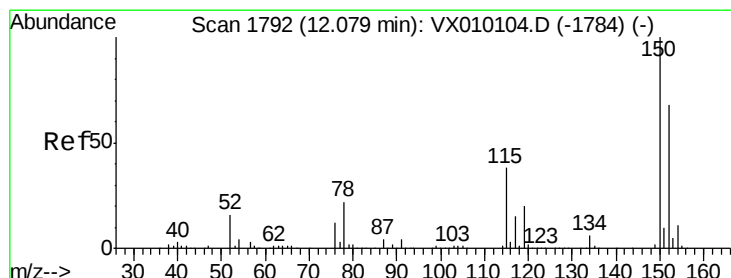
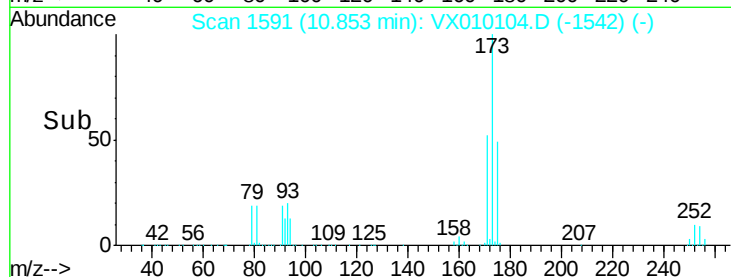
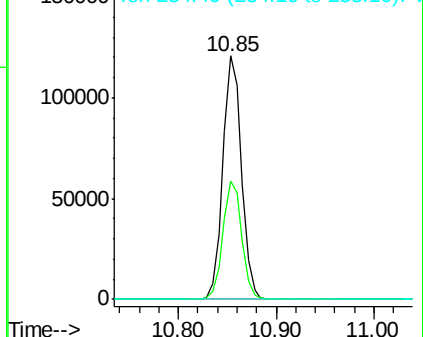
254 0.1 0.2 0.2#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX010104.D

Acq: 07 Jun 2019 12:41

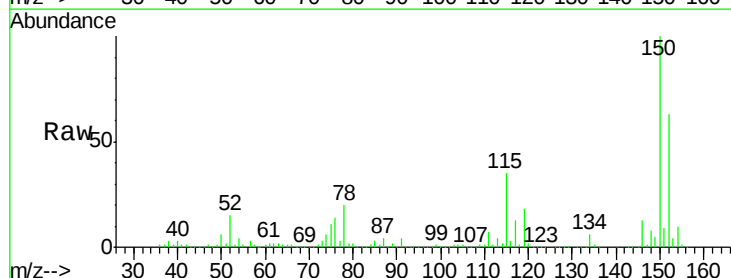
Tgt Ion:152 Resp: 223347

Ion Ratio Lower Upper

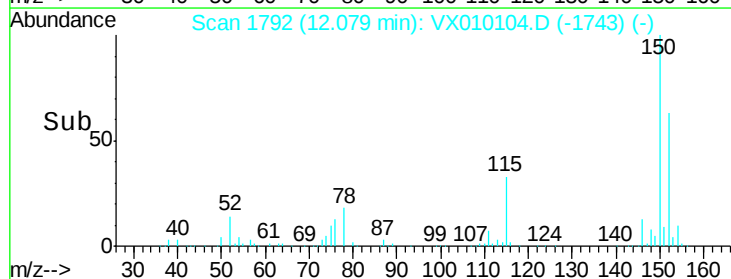
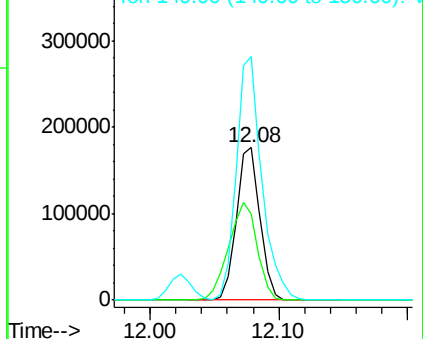
152 100

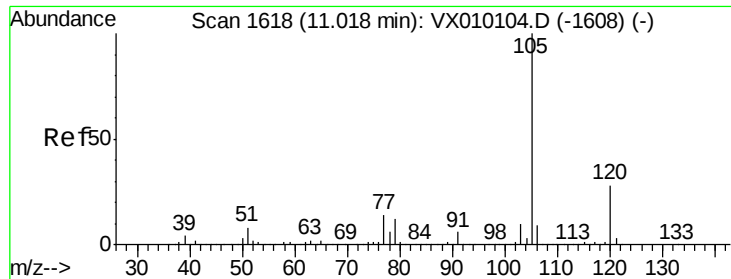
115 78.1 41.4 124.2

150 173.2 0.0 345.2



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





#73

Isopropylbenzene

Concen: 50.000 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX010104.D

Acq: 07 Jun 2019 12:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 105 Resp: 755560

Ion Ratio Lower Upper

105 100

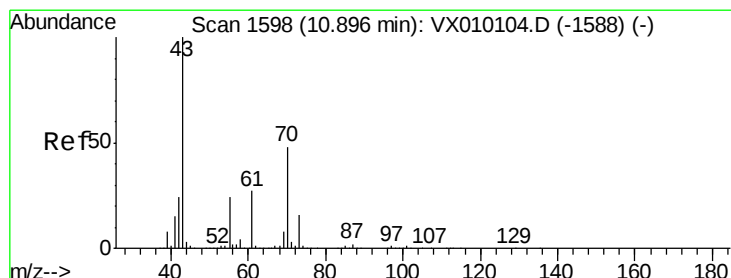
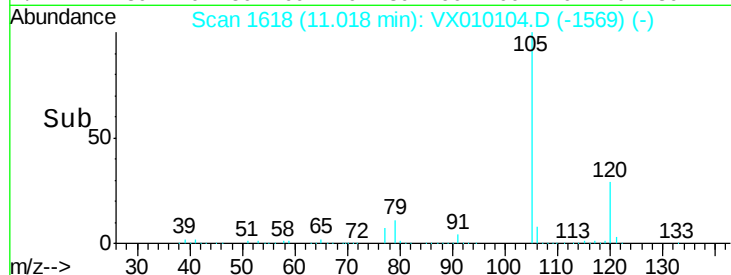
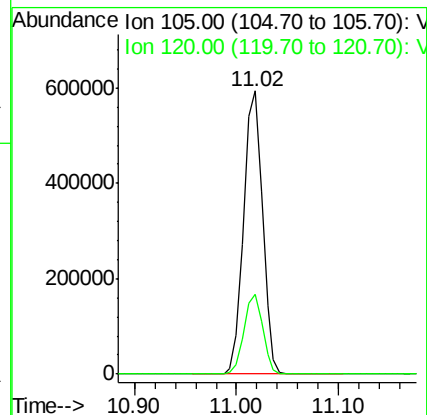
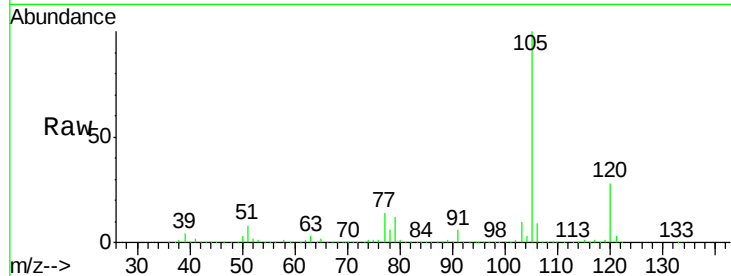
120 28.0 12.8 38.4

Manual Integrations

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#74

N-ethyl acetate

Concen: 50.000 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX010104.D

Acq: 07 Jun 2019 12:41

Tgt Ion: 43 Resp: 301468

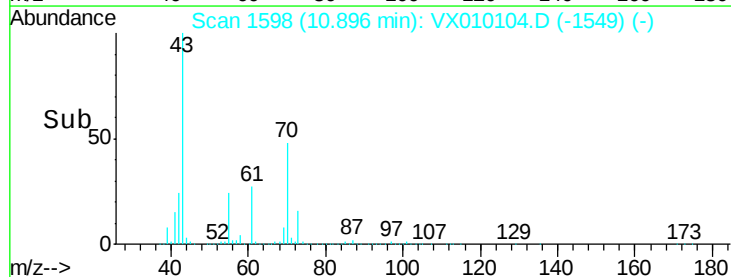
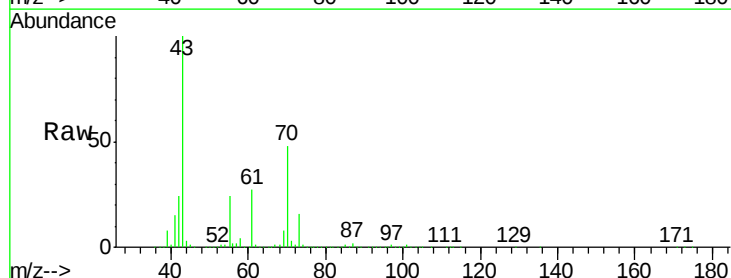
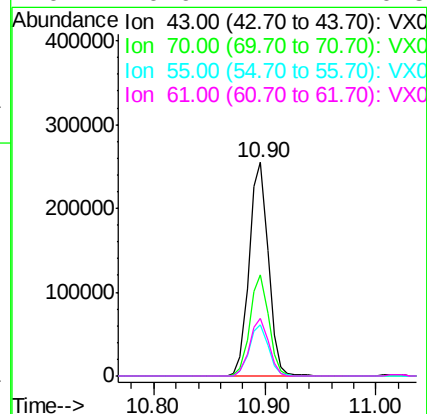
Ion Ratio Lower Upper

43 100

70 46.5 28.6 43.0#

55 24.0 17.8 26.8

61 26.9 17.7 26.5#





#75

1,1,2,2-Tetrachloroethane

Concen: 50.000 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX010104.D

Acq: 07 Jun 2019 12:41

Instrument :

MSVOA_X

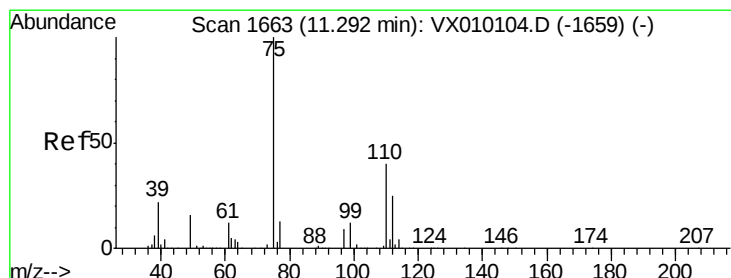
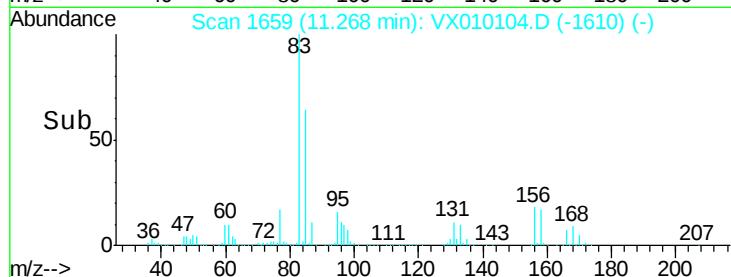
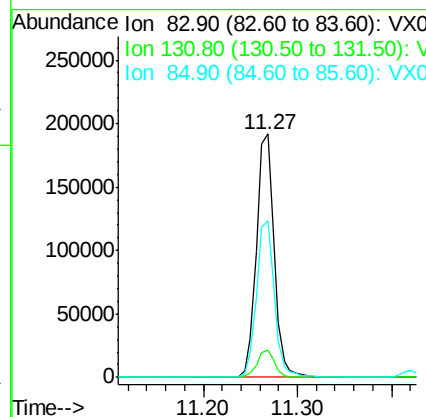
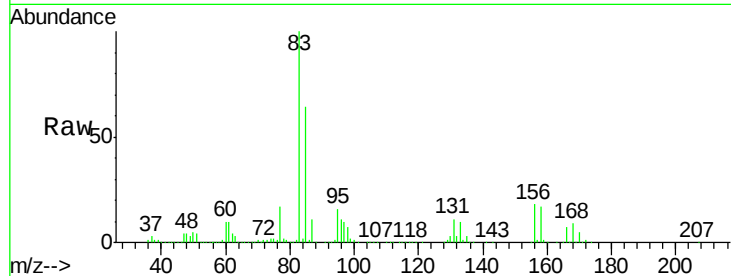
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	255781
Ion Ratio	Lower	Upper	
83	100		
131	11.0	4.7	14.1
85	64.9	31.9	95.9

Manual Integrations
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6/10/2019 10:53:35 AM



#76

1,2,3-Trichloropropane

Concen: 50.185 ug/l m

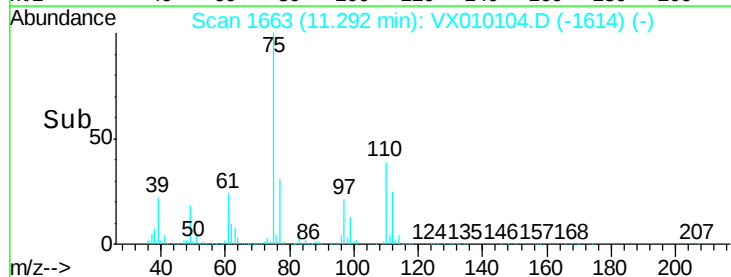
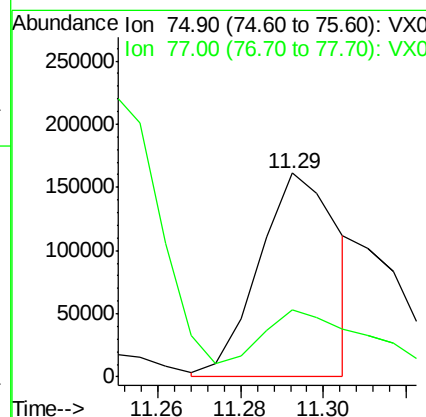
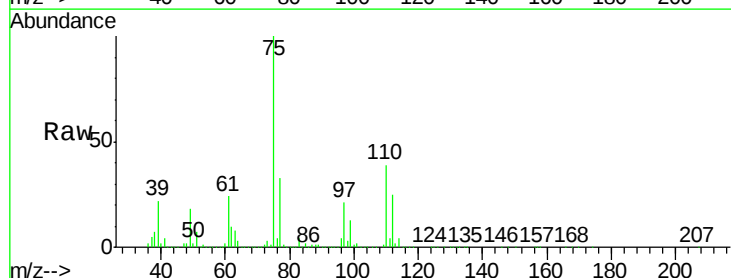
RT: 11.29 min Scan# 1663

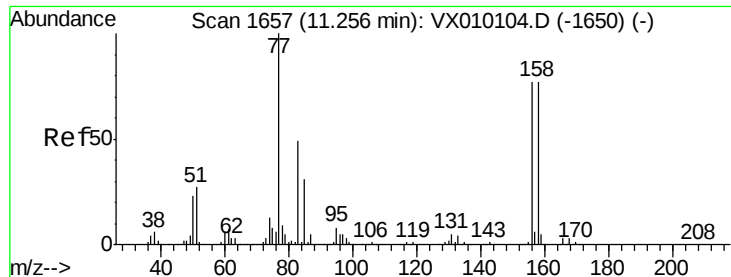
Delta R.T. 0.00 min

Lab File: VX010104.D

Acq: 07 Jun 2019 12:41

Tgt Ion:	75	Resp:	214394
Ion Ratio	Lower	Upper	
75	100		
77	45.7	22.1	66.1





#77

Bromobenzene

Concen: 50.000 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX010104.D

Acq: 07 Jun 2019 12:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion:156 Resp: 206666

Ion Ratio Lower Upper

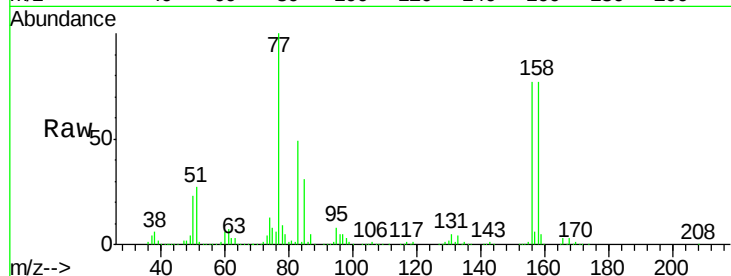
156 100

77 139.7 86.8 260.3

158 97.6 49.6 148.8

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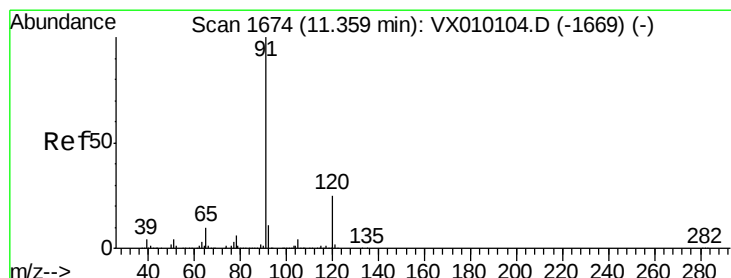
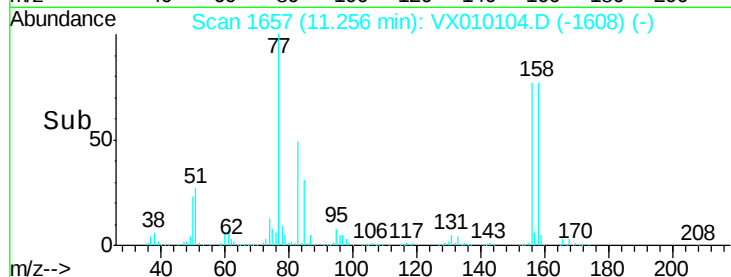
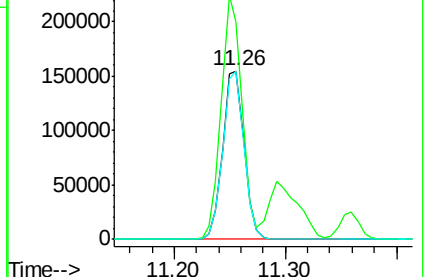
MMDadoda
6/10/2019 10:53:35 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.000 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX010104.D

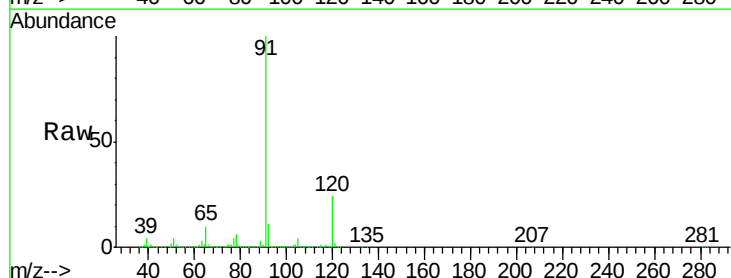
Acq: 07 Jun 2019 12:41

Tgt Ion: 91 Resp: 848658

Ion Ratio Lower Upper

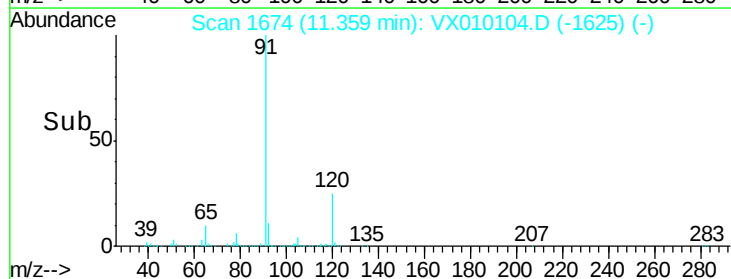
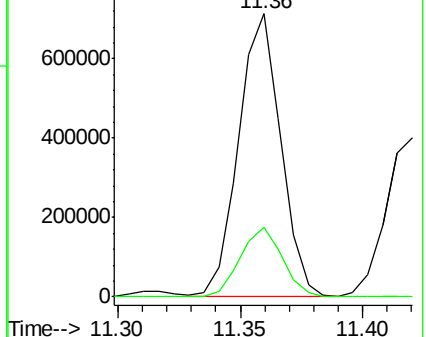
91 100

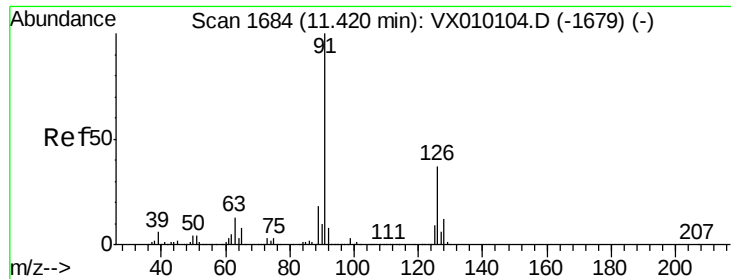
120 24.8 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.000 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX010104.D

Acq: 07 Jun 2019 12:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 504732

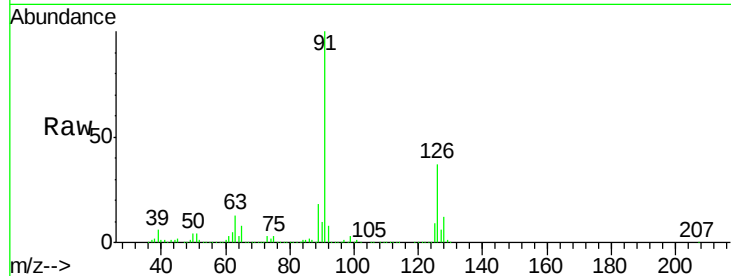
Ion Ratio Lower Upper

91 100

126 36.7 16.1 48.3

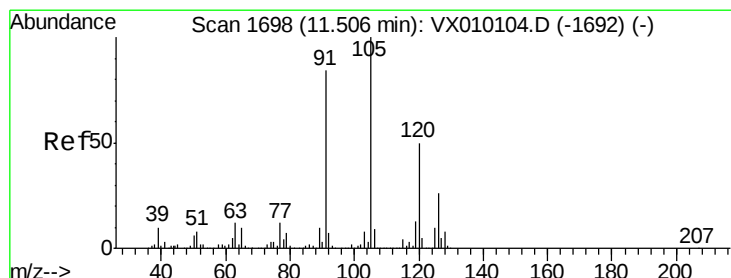
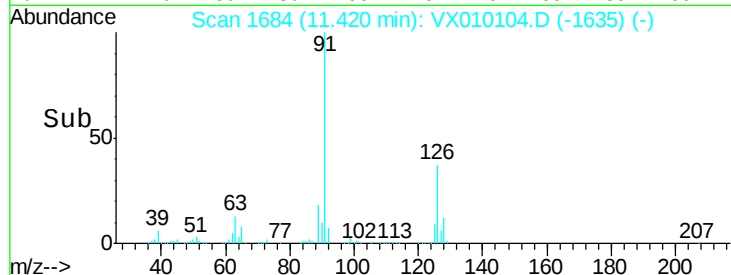
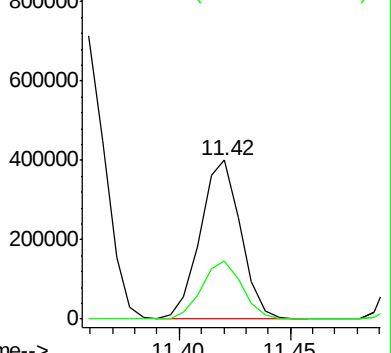
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 50.000 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX010104.D

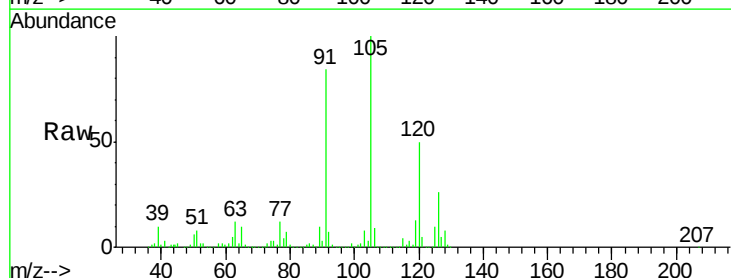
Acq: 07 Jun 2019 12:41

Tgt Ion: 105 Resp: 632148

Ion Ratio Lower Upper

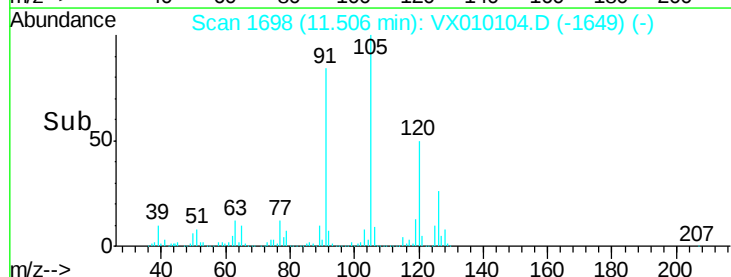
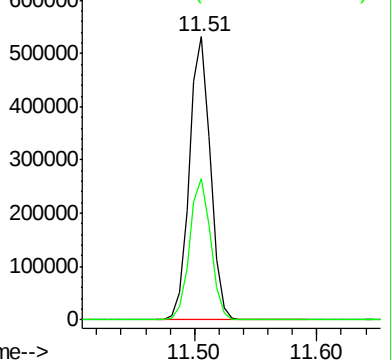
105 100

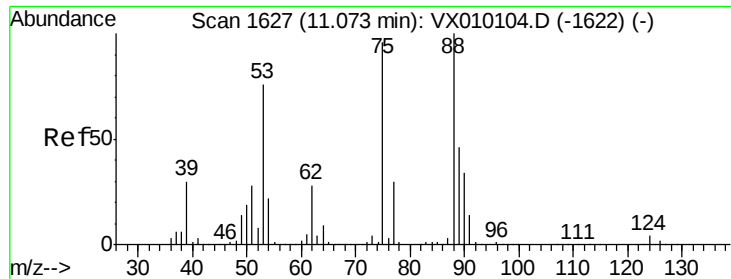
120 50.3 24.1 72.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





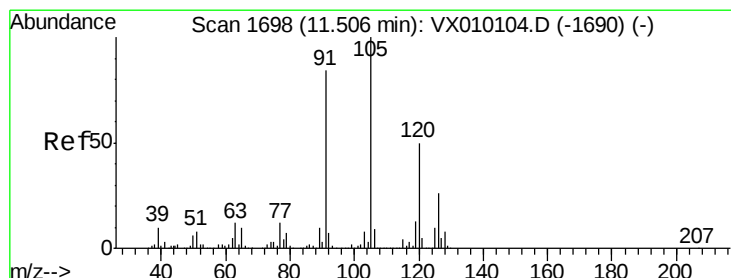
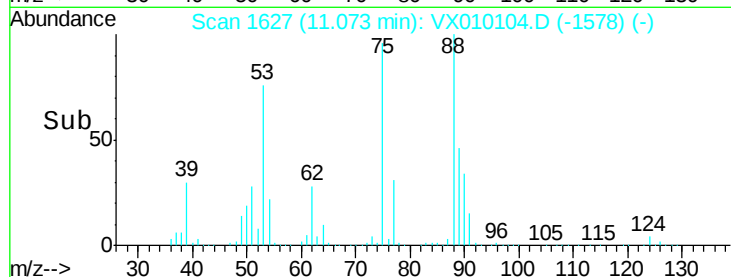
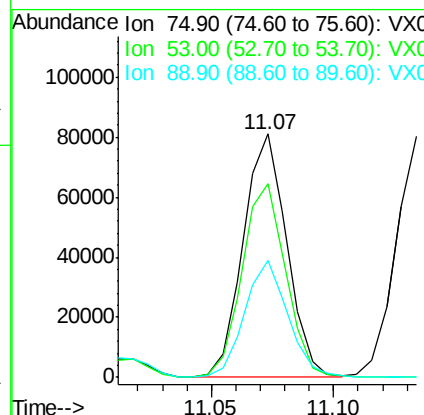
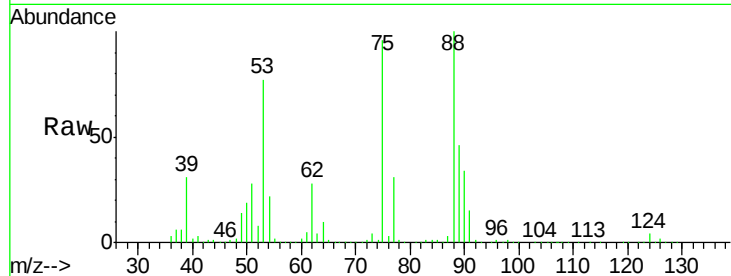
#81
trans-1,4-Dichloro-2-butene
Concen: 50.000 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX010104.D
Acq: 07 Jun 2019 12:41

Instrument :
MSVOA_X
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	79.7	79.8	119.6#
89	48.3	34.2	51.4

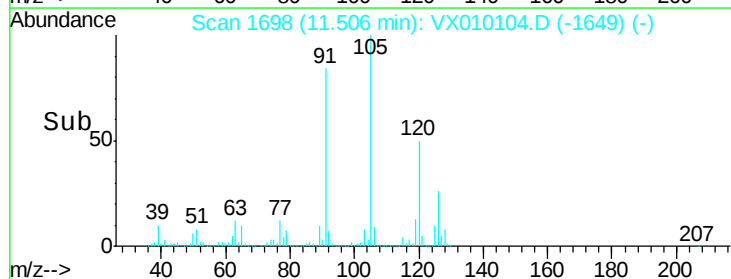
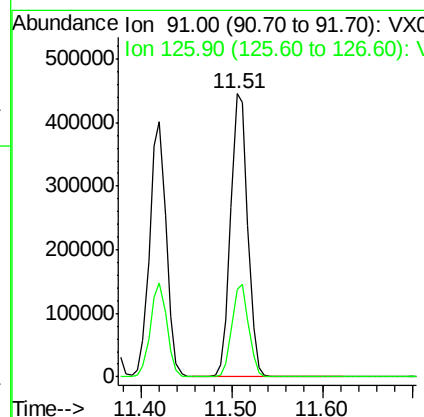
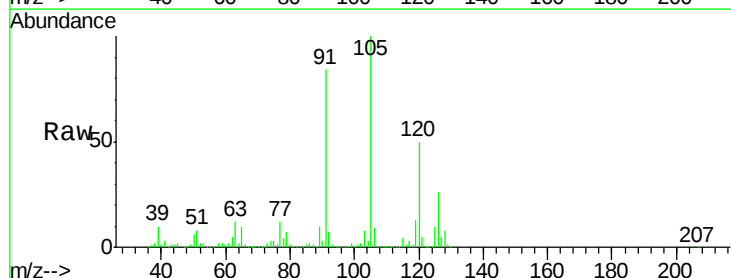
Manual Integrations
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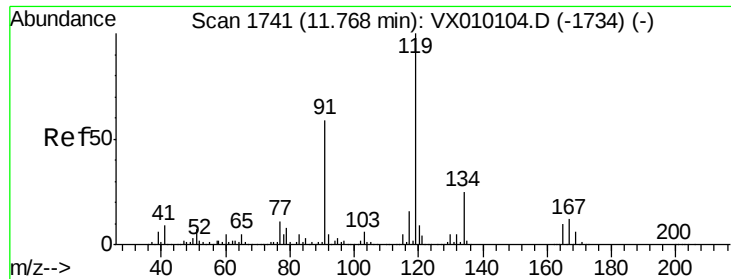
MMDadoda
6/10/2019 10:53:35 AM



#82
4-Chlorotoluene
Concen: 50.000 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX010104.D
Acq: 07 Jun 2019 12:41

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.0	14.2	42.6





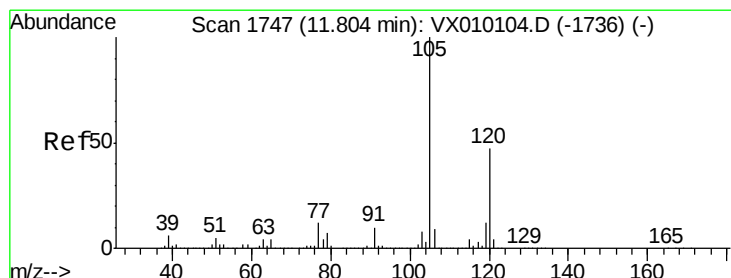
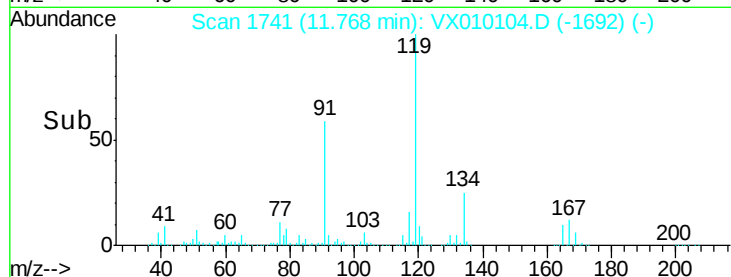
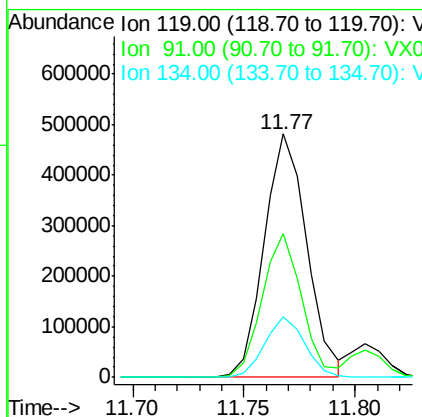
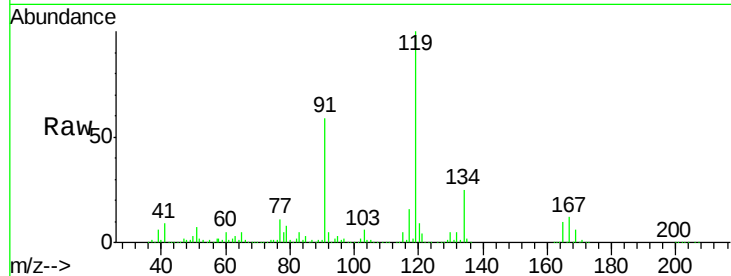
#83
 tert-Butylbenzene
 Concen: 50.000 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX010104.D
 Acq: 07 Jun 2019 12:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	55.2	30.0	90.0
134	23.2	11.2	33.5

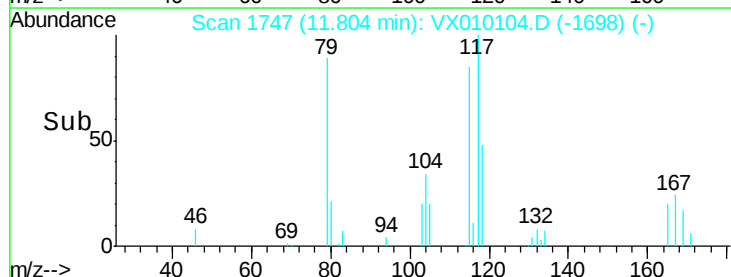
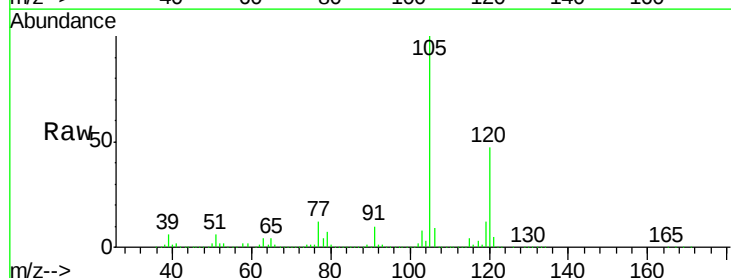
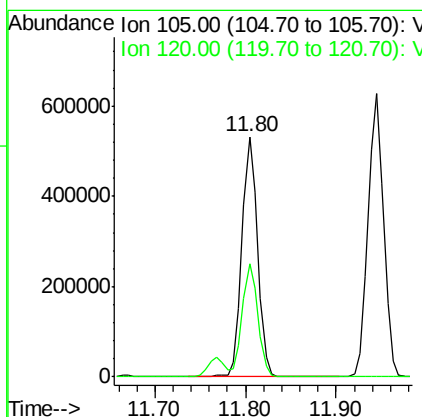
Manual Integrations
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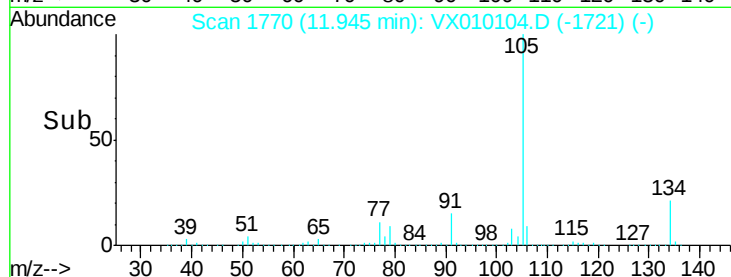
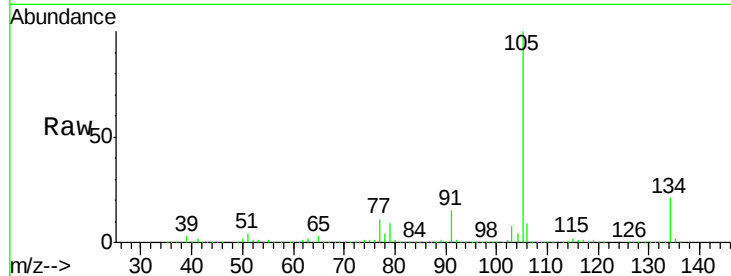
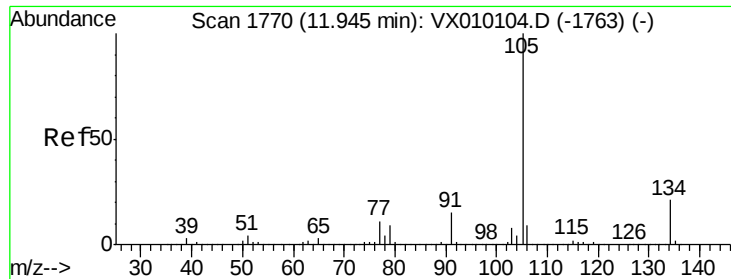
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#84
 1,2,4-Trimethylbenzene
 Concen: 50.000 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX010104.D
 Acq: 07 Jun 2019 12:41

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.1	22.1	66.1





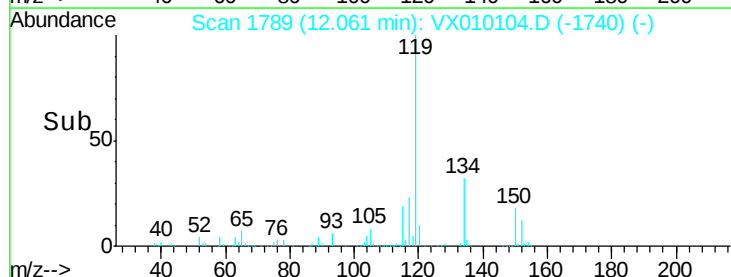
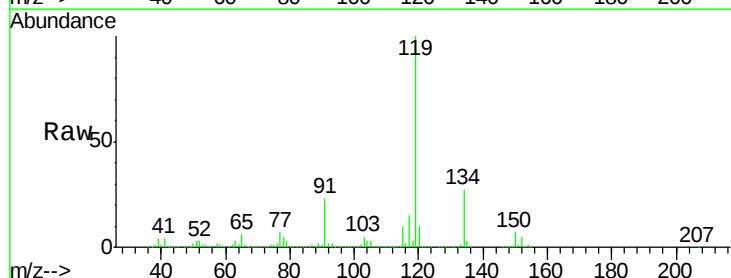
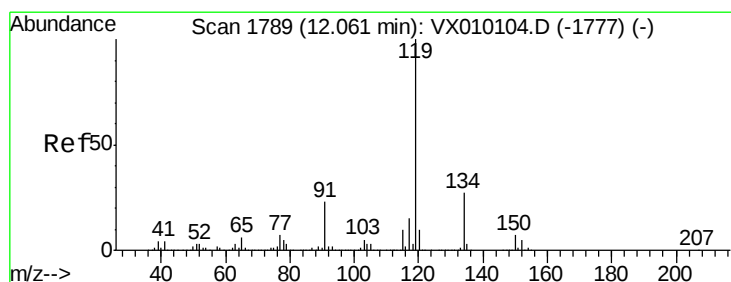
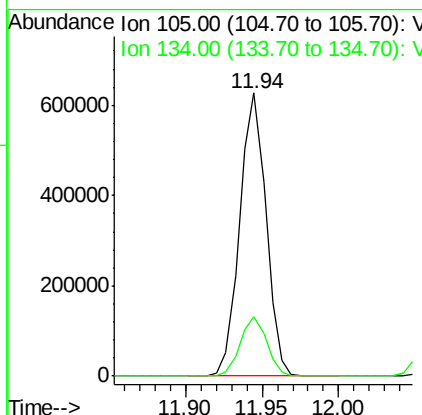
#85
 sec-Butylbenzene
 Concen: 50.000 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX010104.D
 Acq: 07 Jun 2019 12:41

Tot Ion:105 Resp: 747866
 Ion Ratio Lower Upper
 105 100
 134 21.1 9.7 28.9

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

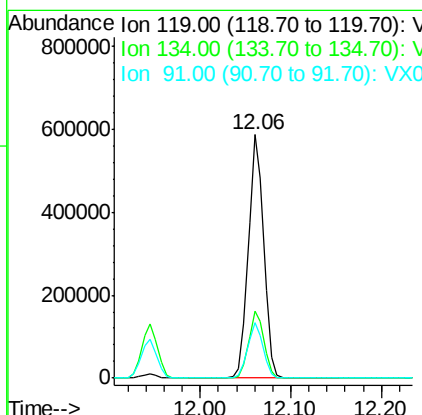
Manual Integrations
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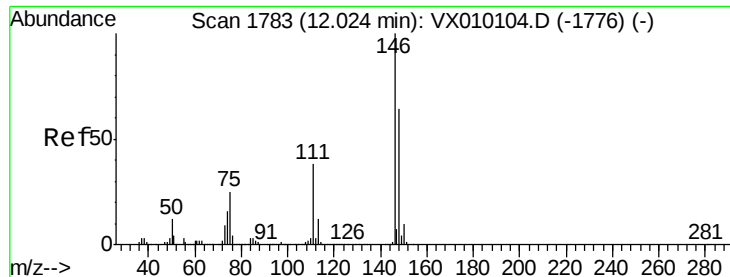
MMDadoda
 6/10/2019 10:53:35 AM



#86
 p-Isopropyltoluene
 Concen: 50.000 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. 0.00 min
 Lab File: VX010104.D
 Acq: 07 Jun 2019 12:41

Tgt Ion:119 Resp: 688151
 Ion Ratio Lower Upper
 119 100
 134 27.4 12.9 38.6
 91 22.7 11.9 35.9





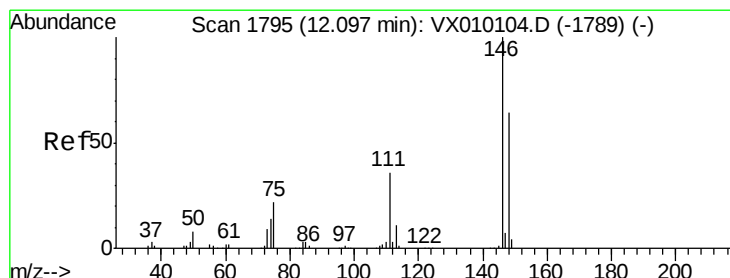
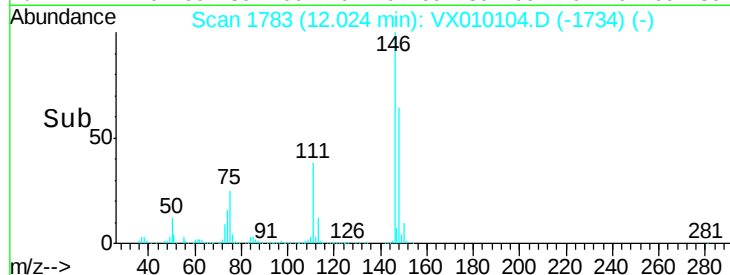
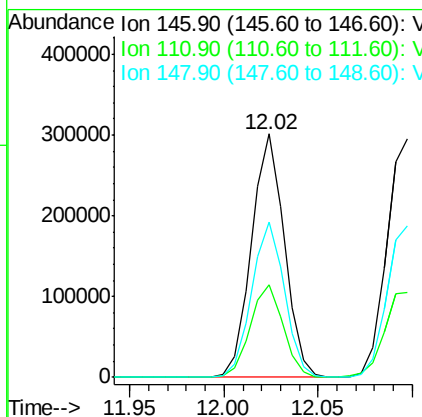
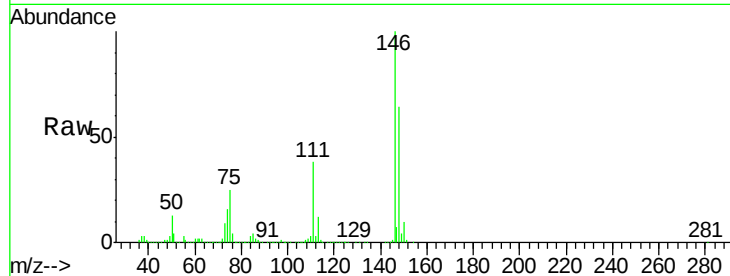
#87
 1,3-Dichlorobenzene
 Concen: 50.000 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX010104.D
 Acq: 07 Jun 2019 12:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	20.1	60.2
148	63.5	31.9	95.5

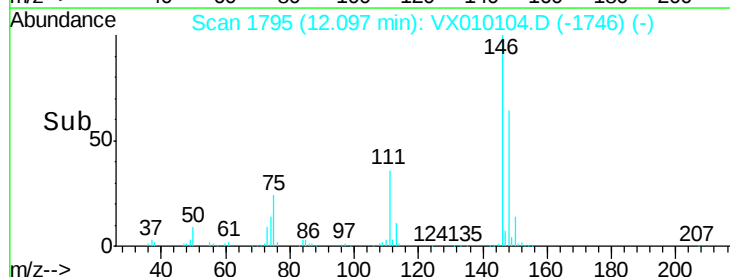
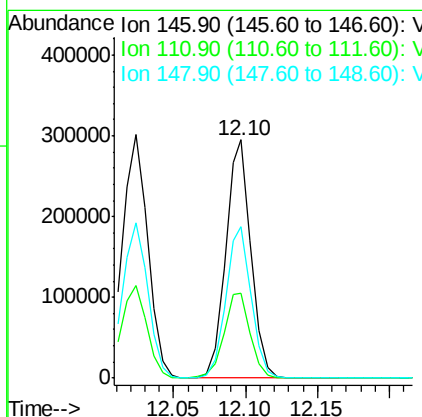
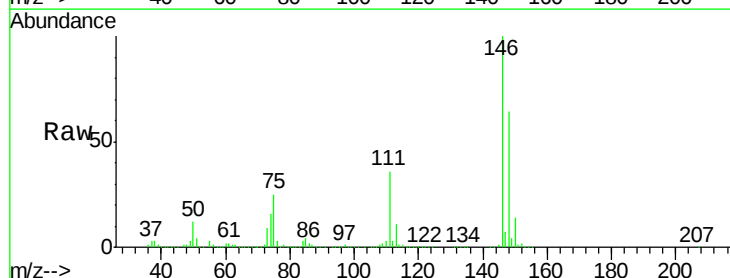
Manual Integrations
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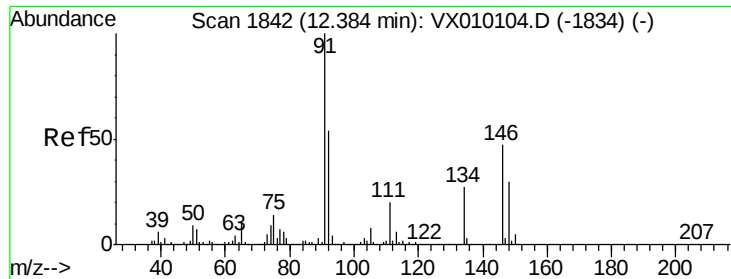
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 6/10/2019 10:53:35 AM



#88
 1,4-Dichlorobenzene
 Concen: 50.000 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX010104.D
 Acq: 07 Jun 2019 12:41

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.3	20.0	59.9
148	64.2	32.3	96.9





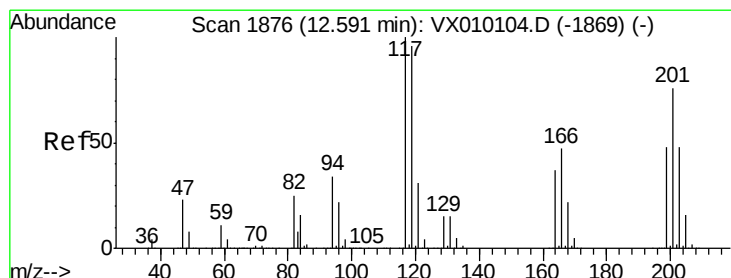
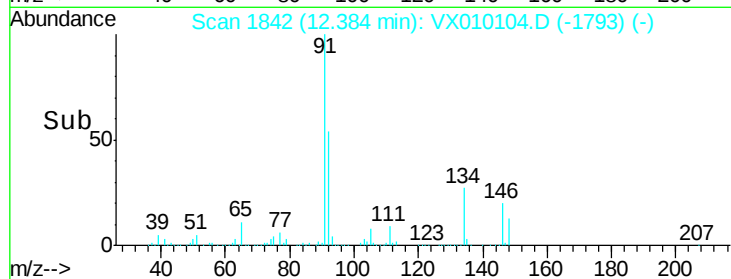
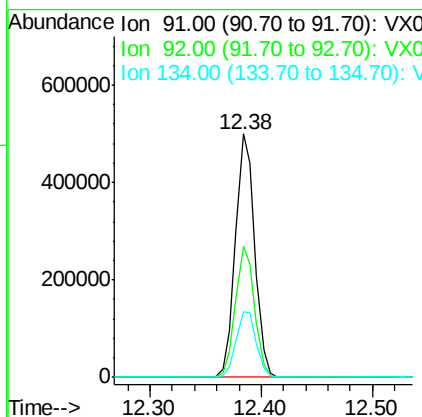
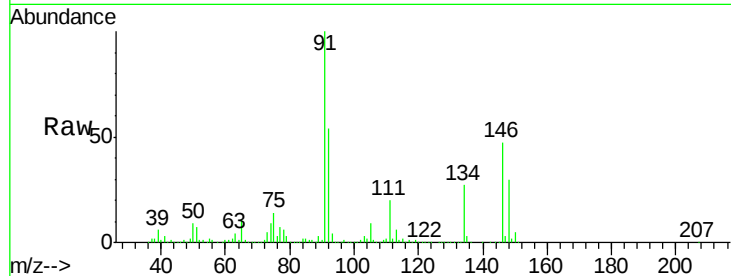
#89
n-Butylbenzene
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX010104.D
Acq: 07 Jun 2019 12:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.4	26.3	78.8
134	28.5	12.3	36.8

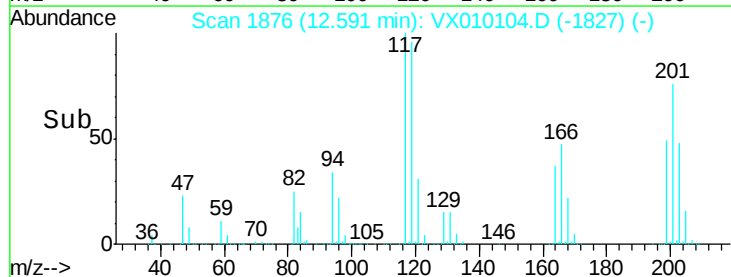
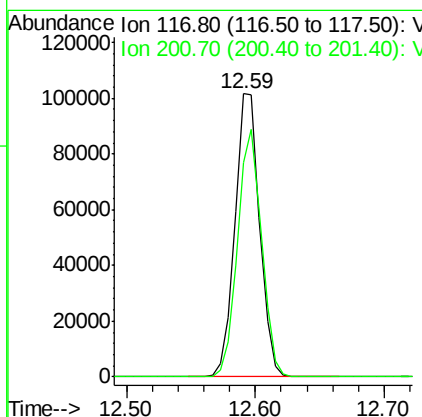
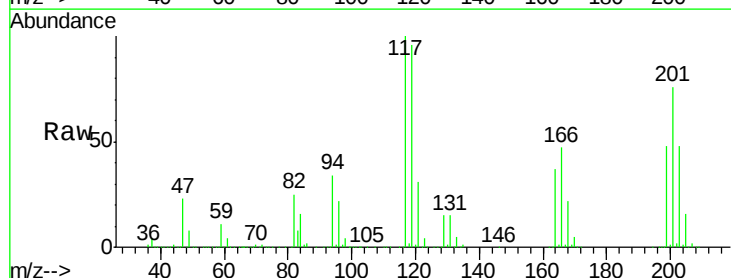
Manual Integrations
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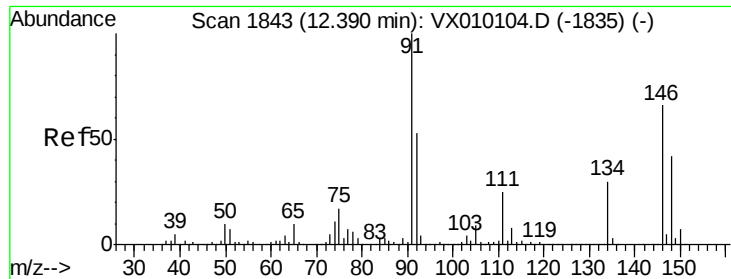
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#90
Hexachloroethane
Concen: 50.000 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. 0.00 min
Lab File: VX010104.D
Acq: 07 Jun 2019 12:41

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.6	43.6	130.9





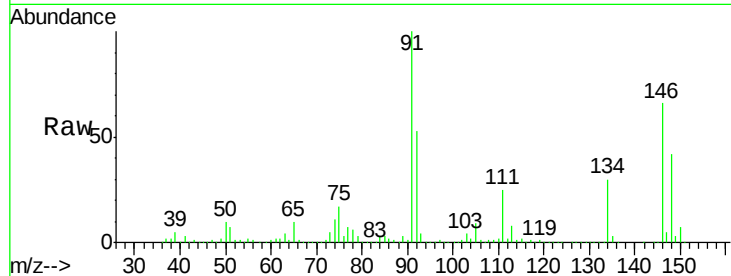
#91
1,2-Dichlorobenzene
Concen: 50.000 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX010104.D
Acq: 07 Jun 2019 12:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	39.8	21.1	63.1	
148	63.8	32.3	96.8	

Manual Integrations
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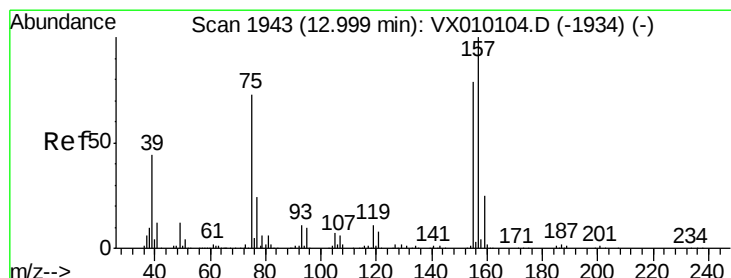
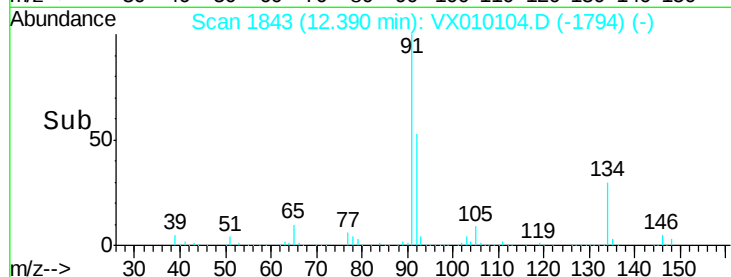
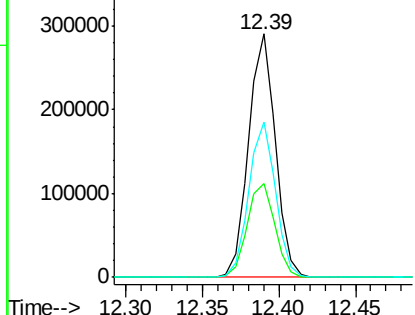


Abundance

Ion 145.90 (145.60 to 146.60): V

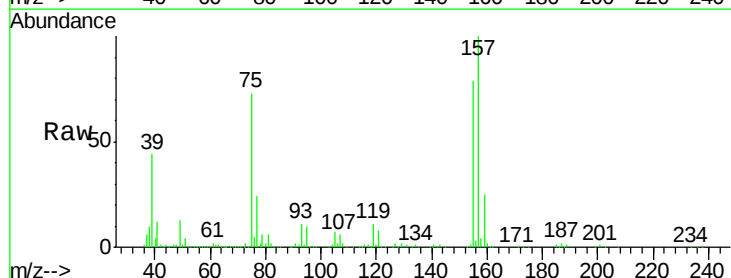
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92
1,2-Dibromo-3-Chloropropane
Concen: 50.000 ug/l
RT: 13.00 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VX010104.D
Acq: 07 Jun 2019 12:41

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
155	105.2	39.3	117.8	
157	133.9	50.6	151.8	

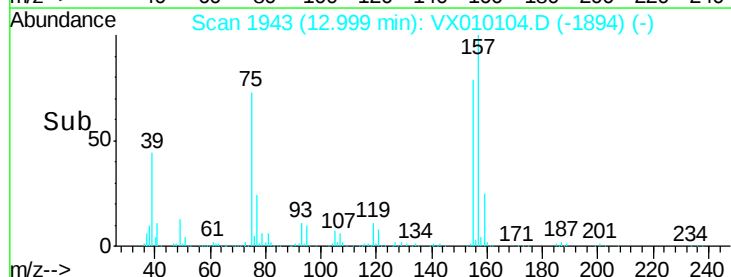
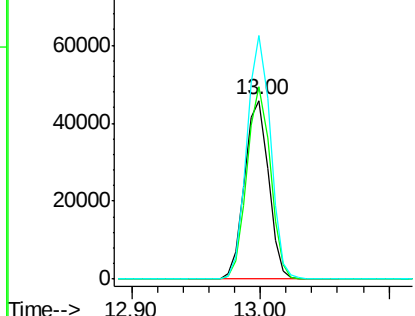


Abundance

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





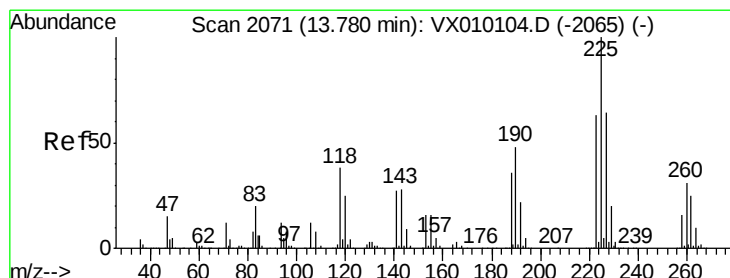
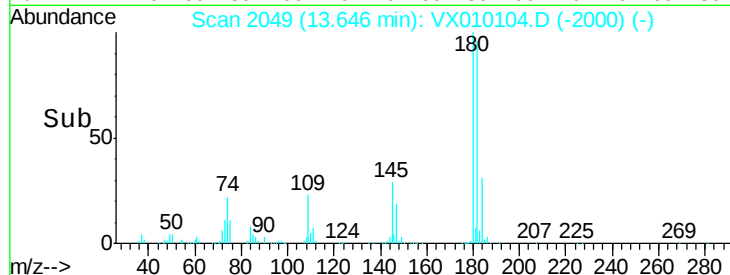
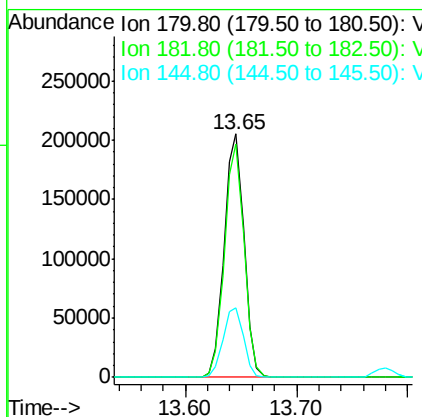
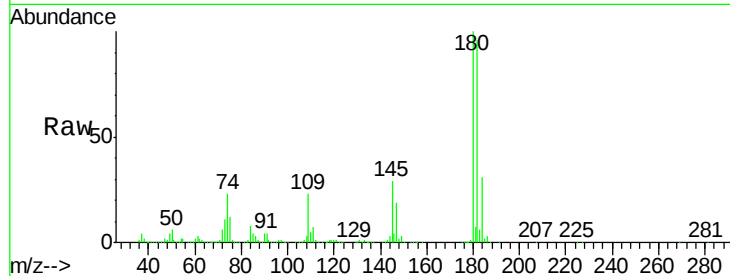
#93
 1,2,4-Trichlorobenzene
 Concen: 50.000 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX010104.D
 Acq: 07 Jun 2019 12:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	252308		
182	95.0	47.4	142.2	
145	29.6	14.5	43.5	

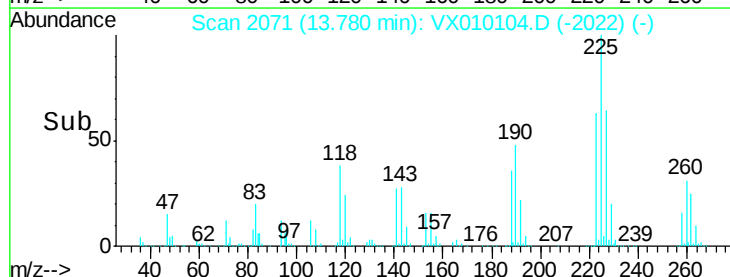
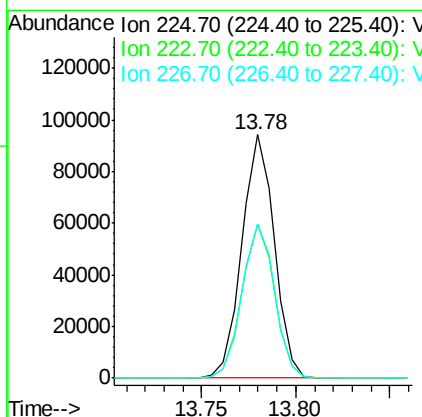
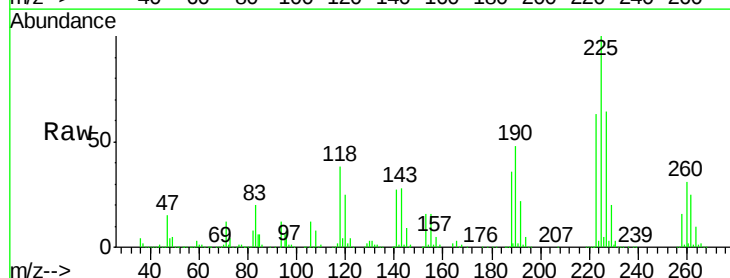
Manual Integrations
 APPROVED

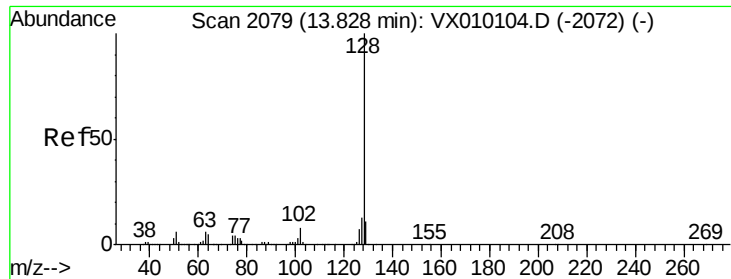
MMDadoda
 6/10/2019 10:53:35 AM



#94
 Hexachlorobutadiene
 Concen: 50.000 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX010104.D
 Acq: 07 Jun 2019 12:41

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	112222		
223	63.1	31.3	93.8	
227	63.5	32.3	96.8	





#95

Naphthalene

Concen: 50.000 ug/l

RT: 13.83 min Scan# 2079

Delta R.T. 0.00 min

Lab File: VX010104.D

Acq: 07 Jun 2019 12:41

Instrument :

MSVOA_X

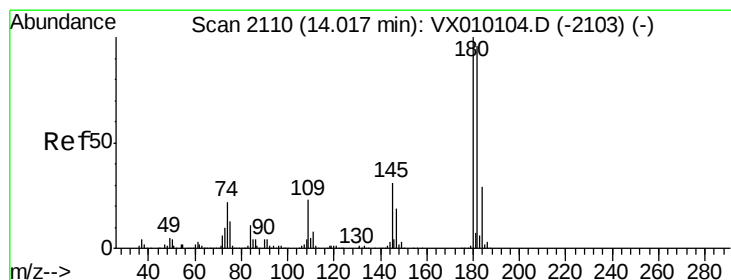
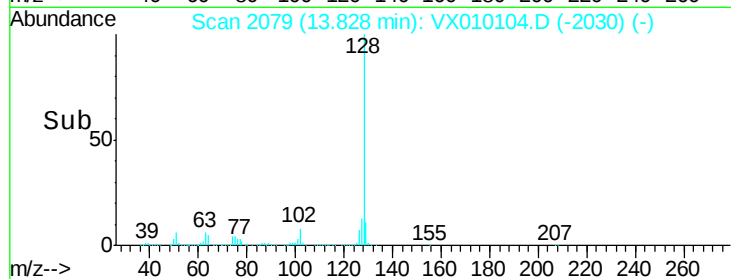
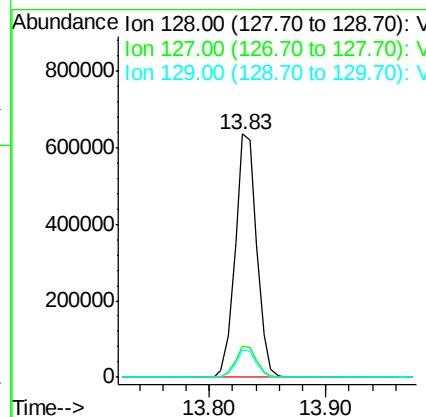
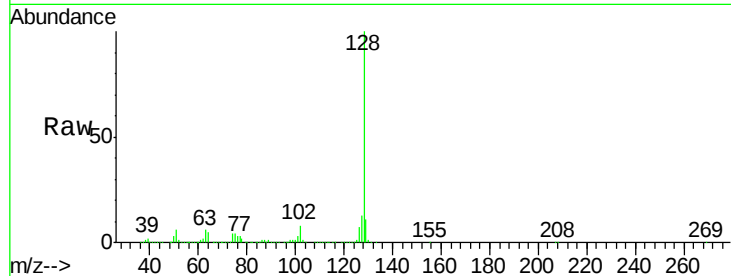
ClientSampleId :

VSTDICCC050

Tot Ion:	128	Resp:	813826
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.6	16.0
129	10.9	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
6/10/2019 10:53:35 AM



#96

1,2,3-Trichlorobenzene

Concen: 50.000 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX010104.D

Acq: 07 Jun 2019 12:41

Tgt Ion:	180	Resp:	250064
Ion Ratio	Lower	Upper	
180	100		
182	96.4	47.3	142.0
145	31.9	15.6	46.7

