

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060719\
 Data File : VX010113.D
 Acq On : 07 Jun 2019 17:03
 Operator : JC/SP
 Sample : VX0607MBS01
 Misc : 5.00µg/10mL/100µL/5.0mL/MSVOA_X/MEOH
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0607MBS01

Manual Integrations
 APPROVED

MMDadoda
 6/10/2019 10:52:56 AM

Quant Time: Jun 08 03:11:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 02:12:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	310983	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	473567	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	425243	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	210075	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	148940	49.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.14%	
35) Dibromofluoromethane	5.50	113	144868	49.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.18%	
50) Toluene-d8	8.71	98	547459	50.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.02%	
62) 4-Bromofluorobenzene	11.13	95	202676	49.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	63099	22.051	ug/l	99
3) Chloromethane	1.33	50	58269	20.504	ug/l	99
4) Vinyl Chloride	1.41	62	55471	20.769	ug/l	100
5) Bromomethane	1.64	94	25324	25.126	ug/l	99
6) Chloroethane	1.72	64	30482	22.636	ug/l	95
7) Trichlorofluoromethane	1.93	101	82640	20.830	ug/l	99
8) Diethyl Ether	2.19	74	28455	20.809	ug/l	75
9) 1,1,2-Trichlorotrifluoroet	2.39	101	54593	19.962	ug/l	91
10) Methyl Iodide	2.51	142	86407	20.392	ug/l	96
11) Tert butyl alcohol	3.04	59	77146	103.743	ug/l	99
12) 1,1-Dichloroethene	2.37	96	55756	19.961	ug/l #	78
13) Acrolein	2.29	56	14601	107.683	ug/l	99
14) Allyl chloride	2.73	41	82323	19.524	ug/l #	88
15) Acrylonitrile	3.14	53	153722	101.136	ug/l	100
16) Acetone	2.45	43	135233	94.718	ug/l #	88
17) Carbon Disulfide	2.57	76	155380	19.251	ug/l	97
18) Methyl Acetate	2.78	43	61652	19.635	ug/l #	81
19) Methyl tert-butyl Ether	3.20	73	176999	19.724	ug/l	94
20) Methylene Chloride	2.85	84	61883	19.736	ug/l #	78
21) trans-1,2-Dichloroethene	3.17	96	59359	19.202	ug/l #	80
22) Diisopropyl ether	3.86	45	161882	20.081	ug/l #	82
23) Vinyl Acetate	3.81	43	734131	102.080	ug/l #	88
24) 1,1-Dichloroethane	3.70	63	96369	19.689	ug/l	94
25) 2-Butanone	4.67	43	217160	102.143	ug/l #	84
26) 2,2-Dichloropropane	4.58	77	84025	18.817	ug/l	93
27) cis-1,2-Dichloroethene	4.60	96	69785	20.293	ug/l	79
28) Bromochloromethane	5.01	49	38218	17.422	ug/l #	46
29) Tetrahydrofuran	5.13	42	136415	102.098	ug/l #	74
30) Chloroform	5.21	83	99716	19.617	ug/l	100
31) Cyclohexane	5.58	56	90005	20.375	ug/l #	78
32) 1,1,1-Trichloroethane	5.49	97	92459	19.348	ug/l	94
36) 1,1-Dichloropropene	5.80	75	75675	19.587	ug/l	93
37) Ethyl Acetate	4.83	43	79955	19.890	ug/l #	90
38) Carbon Tetrachloride	5.79	117	85369	19.521	ug/l	97

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	101893	19.368	ug/l #	85
40) Benzene	6.14	78	240115	20.098	ug/l	98
41) Methacrylonitrile	5.04	41	43048	19.796	ug/l #	83
42) 1,2-Dichloroethane	6.19	62	73792	19.347	ug/l	94
43) Isopropyl Acetate	6.45	43	132540	19.719	ug/l #	88
44) Trichloroethene	7.21	130	70994	19.714	ug/l	88
45) 1,2-Dichloropropane	7.51	63	59488	19.894	ug/l	98
46) Dibromomethane	7.66	93	43069	19.225	ug/l	91
47) Bromodichloromethane	7.90	83	82769	19.773	ug/l #	96
48) Methyl methacrylate	7.77	41	64132	20.402	ug/l #	79
49) 1,4-Dioxane	7.74	88	36009	401.791	ug/l #	80
51) 4-Methyl-2-Pentanone	8.64	43	418957	104.340	ug/l	88
52) Toluene	8.79	92	156555	19.935	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	95037	19.628	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	101491	19.552	ug/l	89
55) 1,1,2-Trichloroethane	9.21	97	65061	20.229	ug/l	97
56) Ethyl methacrylate	9.18	69	102479	20.171	ug/l #	83
57) 1,3-Dichloropropane	9.37	76	101052	19.957	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	236912	98.915	ug/l #	86
59) 2-Hexanone	9.49	43	333857	104.283	ug/l	88
60) Dibromochloromethane	9.58	129	75589	19.869	ug/l	100
61) 1,2-Dibromoethane	9.67	107	69919	19.519	ug/l	98
64) Tetrachloroethene	9.34	164	62410	19.760	ug/l	94
65) Chlorobenzene	10.13	112	175592	20.007	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	67740	20.070	ug/l	100
67) Ethyl Benzene	10.25	91	299213	20.026	ug/l	95
68) m/p-Xylenes	10.36	106	232411	40.198	ug/l	91
69) o-Xylene	10.69	106	113746	19.791	ug/l	91
70) Styrene	10.71	104	194583	19.990	ug/l	96
71) Bromoform	10.85	173	62107	20.016	ug/l #	98
73) Isopropylbenzene	11.02	105	299493	20.423	ug/l	95
74) N-amyl acetate	10.90	43	118856	20.503	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	11.27	83	103450	20.608	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	84675m	20.152	ug/l	
77) Bromobenzene	11.26	156	81255	20.149	ug/l	84
78) n-propylbenzene	11.36	91	327247	20.045	ug/l	94
79) 2-Chlorotoluene	11.42	91	196441	20.034	ug/l	91
80) 1,3,5-Trimethylbenzene	11.51	105	249458	20.197	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	38767	20.384	ug/l	85
82) 4-Chlorotoluene	11.51	91	226637	20.347	ug/l	93
83) tert-Butylbenzene	11.77	119	255820	20.463	ug/l	94
84) 1,2,4-Trimethylbenzene	11.80	105	250033	20.041	ug/l	96
85) sec-Butylbenzene	11.94	105	293716	20.166	ug/l	96
86) p-Isopropyltoluene	12.06	119	267155	20.064	ug/l	97
87) 1,3-Dichlorobenzene	12.02	146	142161	20.013	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	140517	19.624	ug/l	98
89) n-Butylbenzene	12.38	91	227821	19.877	ug/l	97
90) Hexachloroethane	12.60	117	51842	19.546	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	142136	20.583	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.00	75	23809	20.156	ug/l	70

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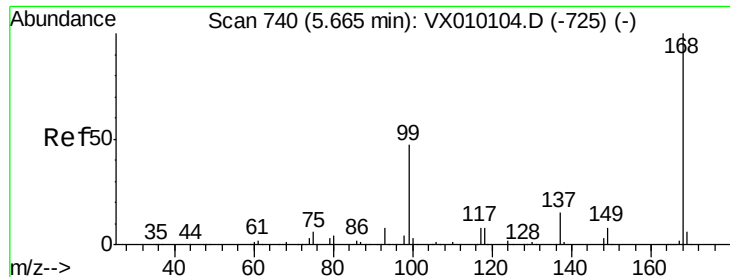
Manual Integrations
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QLast Update : Sat Jun 08 02:12:13 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	100829	19.947	ug/l	99
94) Hexachlorobutadiene	13.78	225	43901	19.528	ug/l	99
95) Naphthalene	13.83	128	321845	20.226	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	97204	19.449	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX010113.D

Acq: 07 Jun 2019 17:03

Instrument :

MSVOA_X

ClientSampleId :

VX0607MBS01

Tot Ion:168 Resp: 310983

Ion Ratio Lower Upper

168 100

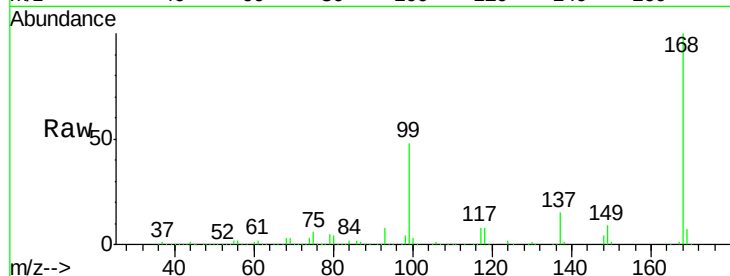
99 48.0 43.0 64.6

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

120000

100000

80000

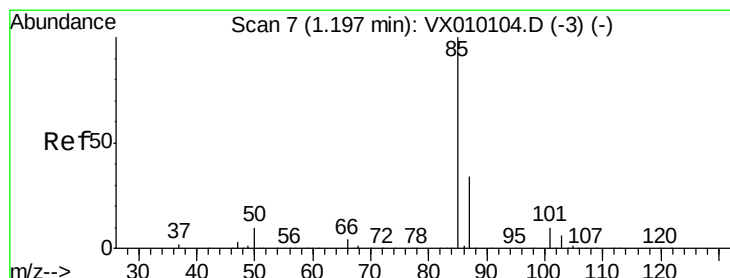
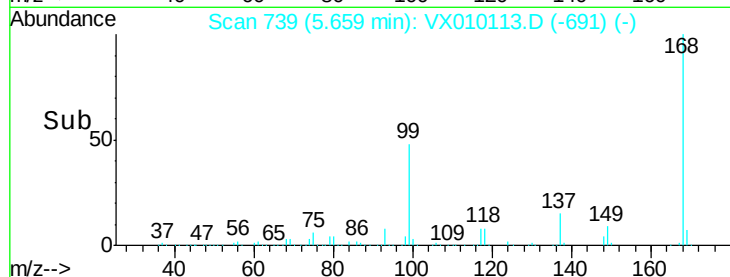
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 22.051 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX010113.D

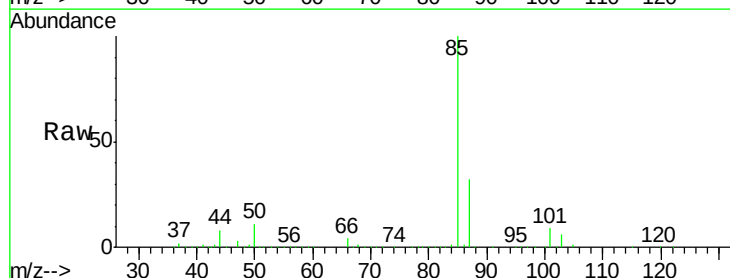
Acq: 07 Jun 2019 17:03

Tgt Ion: 85 Resp: 63099

Ion Ratio Lower Upper

85 100

87 31.7 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

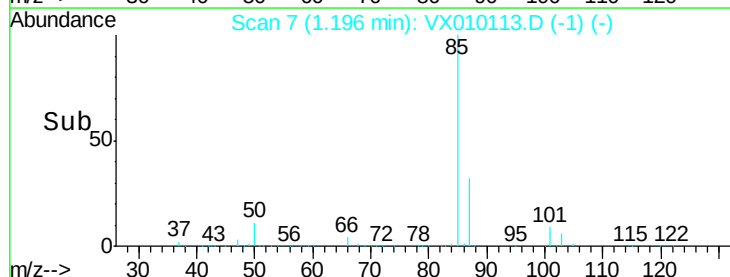
60000

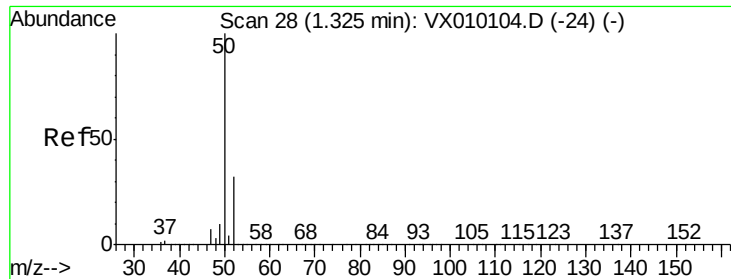
40000

20000

0

Time--> 1.15 1.20 1.25





#3

Chloromethane

Concen: 20.504 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010113.D

Acq: 07 Jun 2019 17:03

Instrument :

MSVOA_X

ClientSampleId :

VX0607MBS01

Tot Ion: 50 Resp: 58269

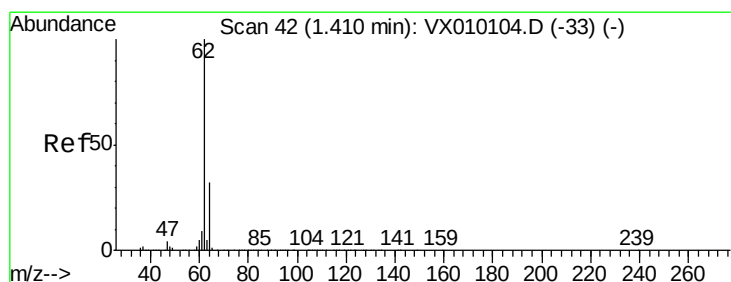
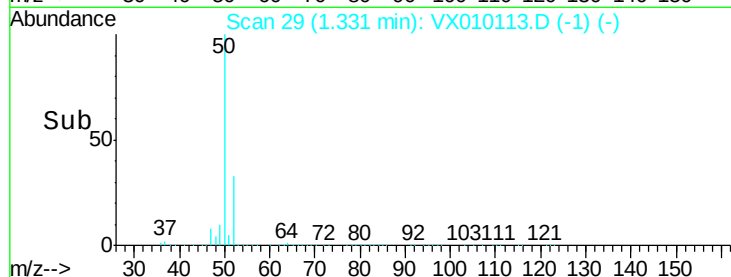
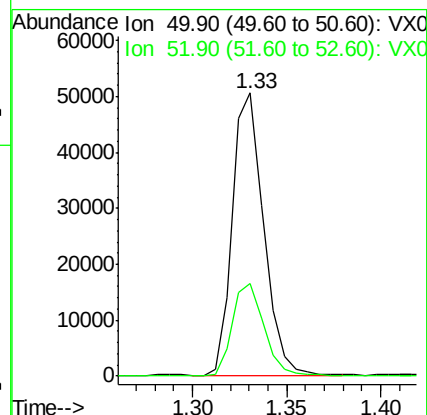
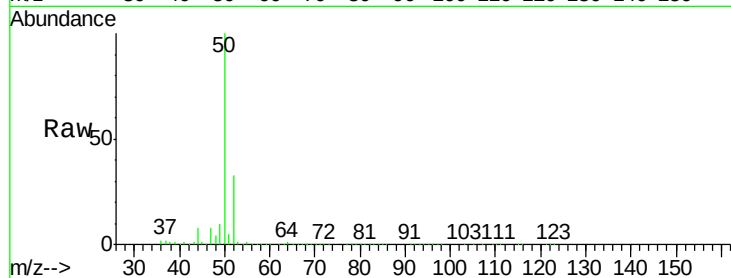
Ion Ratio Lower Upper

50 100

52 32.8 26.0 39.0

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#4

Vinyl Chloride

Concen: 20.769 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX010113.D

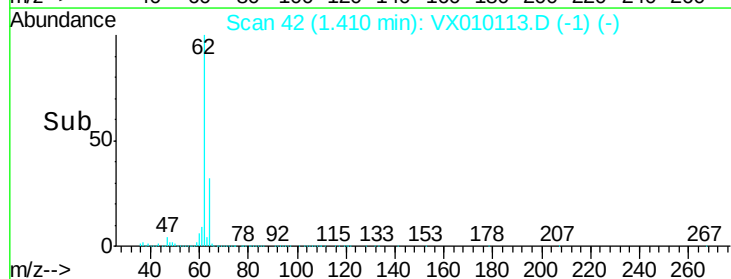
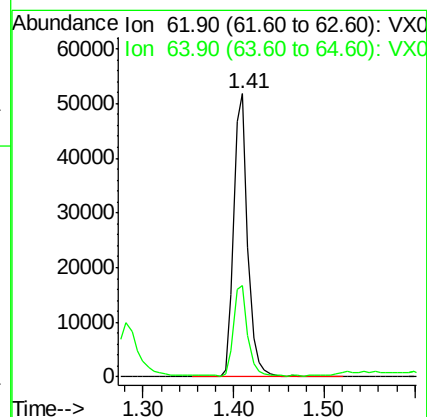
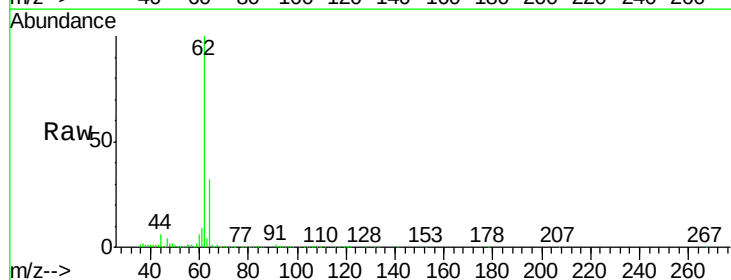
Acq: 07 Jun 2019 17:03

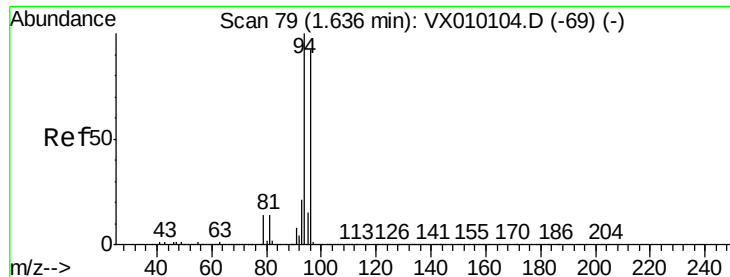
Tgt Ion: 62 Resp: 55471

Ion Ratio Lower Upper

62 100

64 31.9 25.7 38.5





#5

Bromomethane

Concen: 25.126 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX010113.D

Acq: 07 Jun 2019 17:03

Instrument :

MSVOA_X

ClientSampleId :

VX0607MBS01

Tot Ion: 94 Resp: 25324

Ion Ratio Lower Upper

94 100

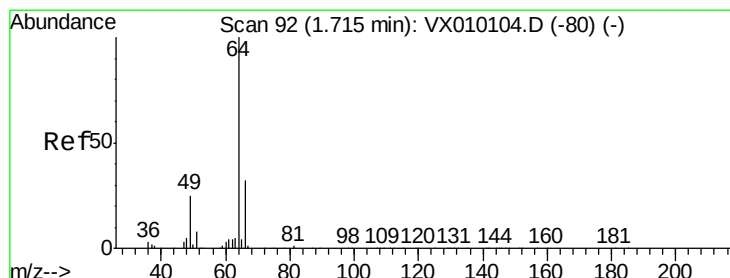
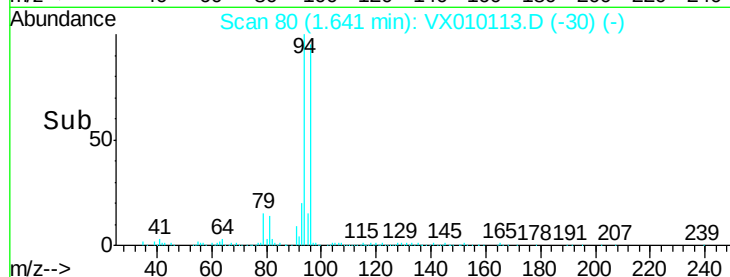
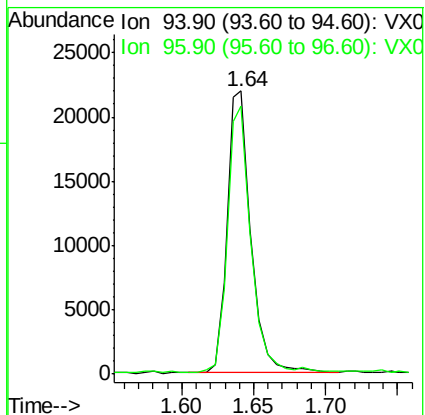
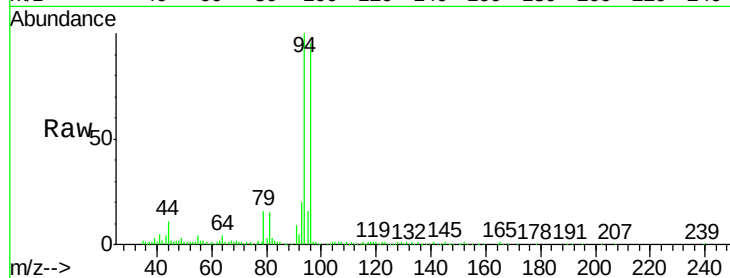
96 94.7 76.2 114.4

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#6

Chloroethane

Concen: 22.636 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX010113.D

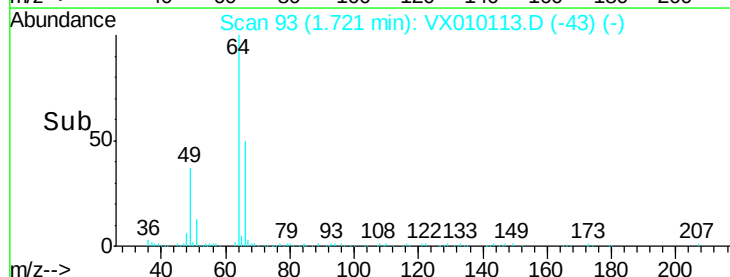
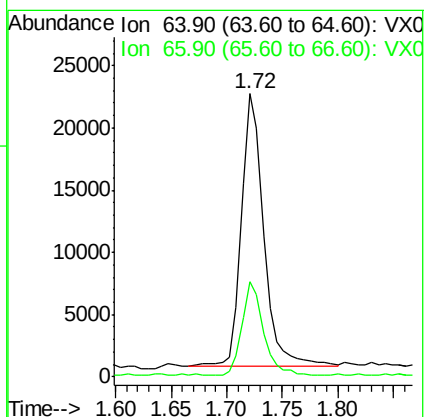
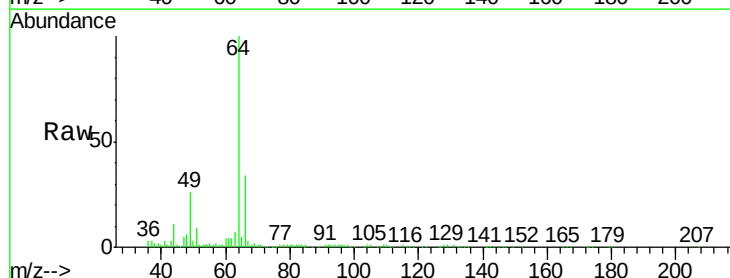
Acq: 07 Jun 2019 17:03

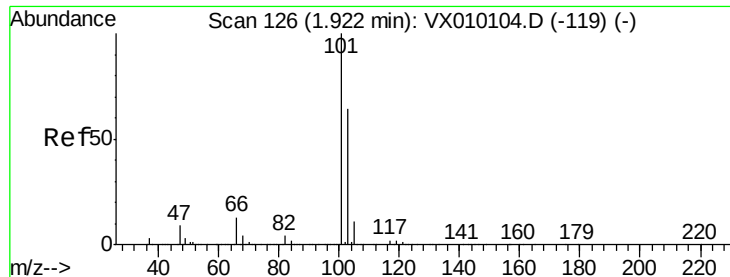
Tgt Ion: 64 Resp: 30482

Ion Ratio Lower Upper

64 100

66 34.3 25.1 37.7





#7

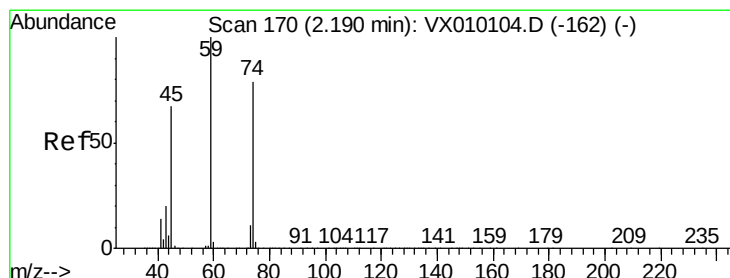
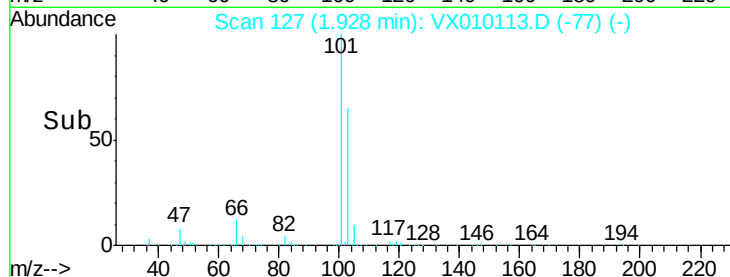
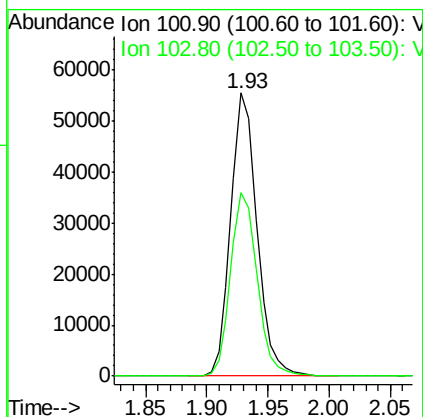
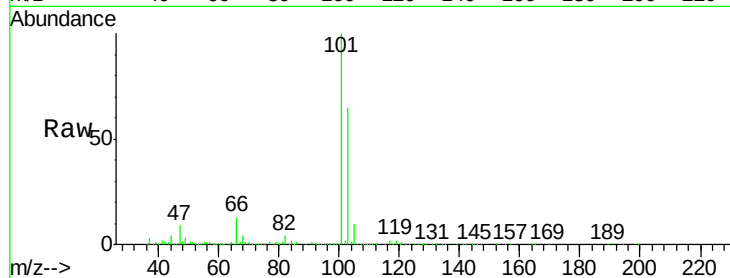
Trichlorofluoromethane
Concen: 20.830 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.01 min
Lab File: VX010113.D
Acq: 07 Jun 2019 17:03

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ClientSampleId :
VX0607MBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.8	52.2	78.4

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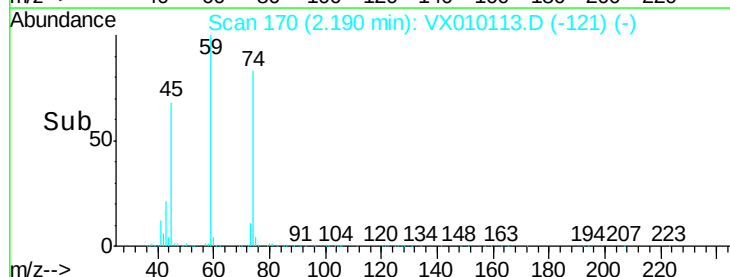
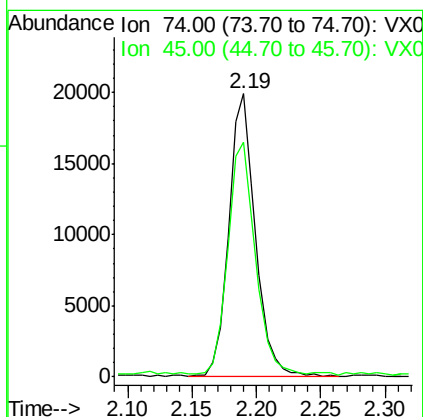
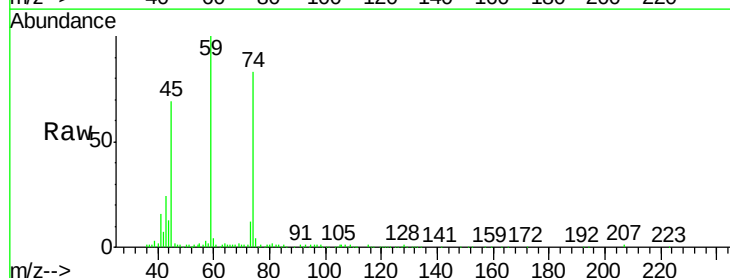
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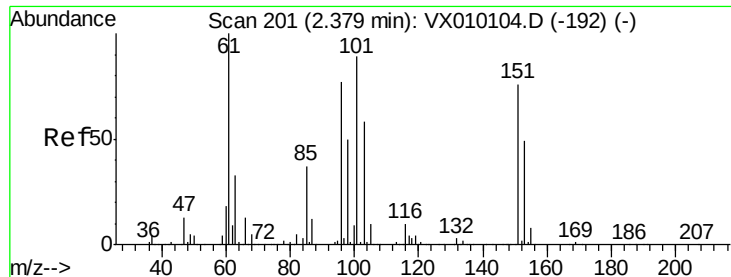


#8

Diethyl Ether
Concen: 20.809 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX010113.D
Acq: 07 Jun 2019 17:03

Tgt Ion	Ratio	Lower	Upper
74	100		
45	85.1	56.1	168.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.962 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX010113.D

Acq: 07 Jun 2019 17:03

Instrument :

MSVOA_X

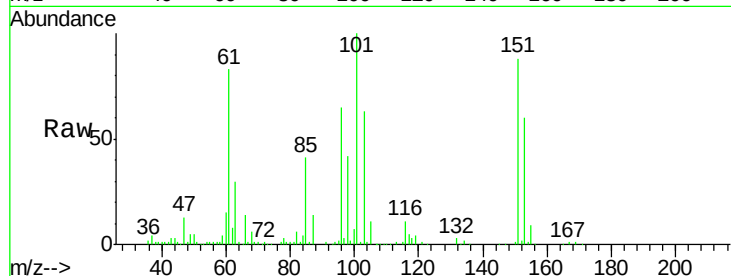
ClientSampleId :

VX0607MBS01

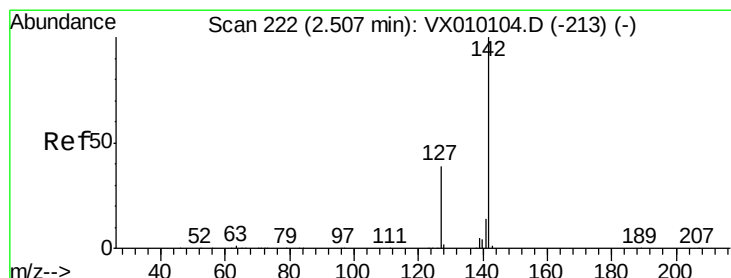
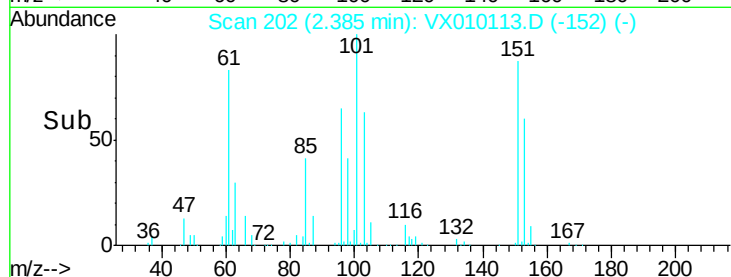
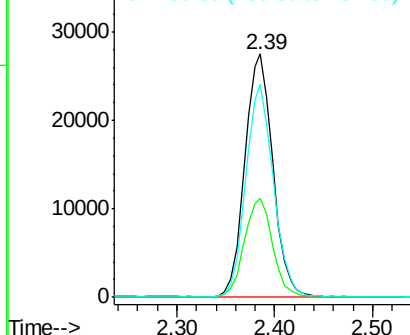
Tot Ion:	101	Resp:	54593
Ion Ratio	Lower	Upper	
101	100		
85	40.1	35.2	52.8
151	86.7	61.9	92.9

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



#10

Methyl Iodide

Concen: 20.392 ug/l

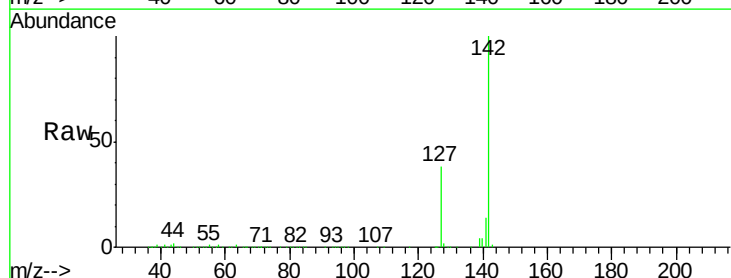
RT: 2.51 min Scan# 222

Delta R.T. -0.00 min

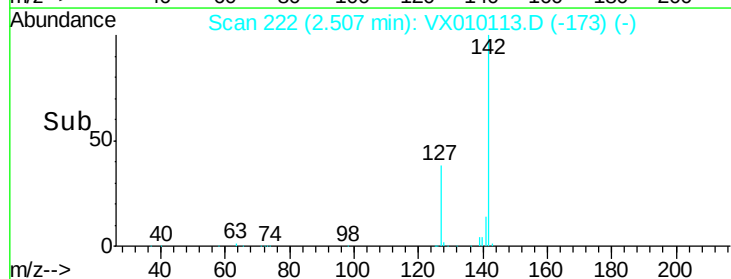
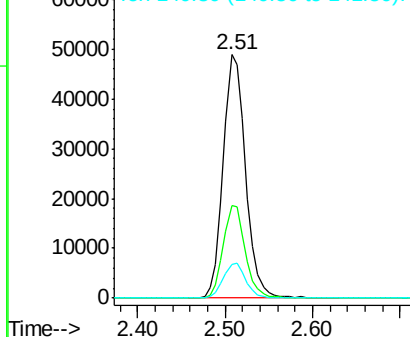
Lab File: VX010113.D

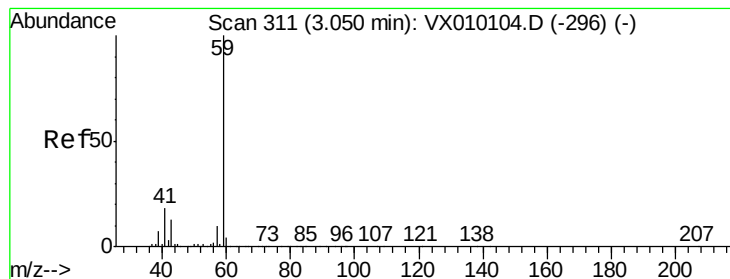
Acq: 07 Jun 2019 17:03

Tgt Ion:	142	Resp:	86407
Ion Ratio	Lower	Upper	
142	100		
127	37.9	33.0	49.4
141	14.4	11.4	17.0



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





#11

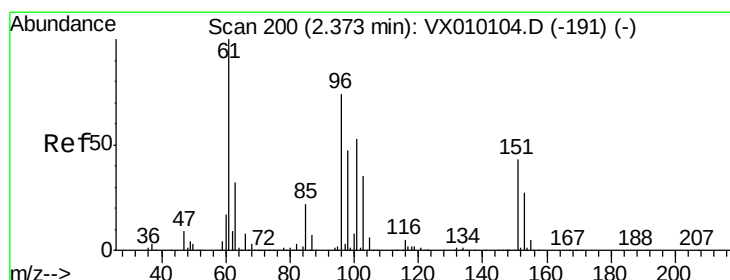
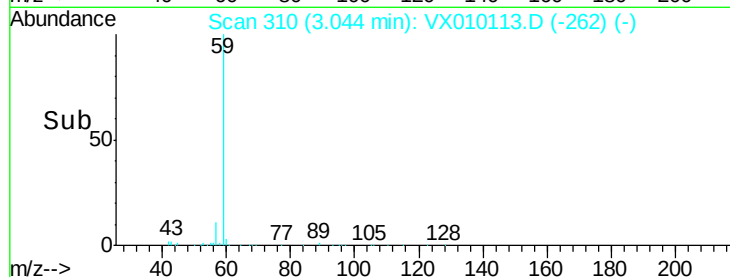
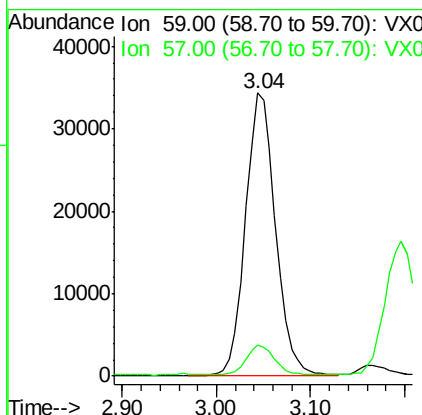
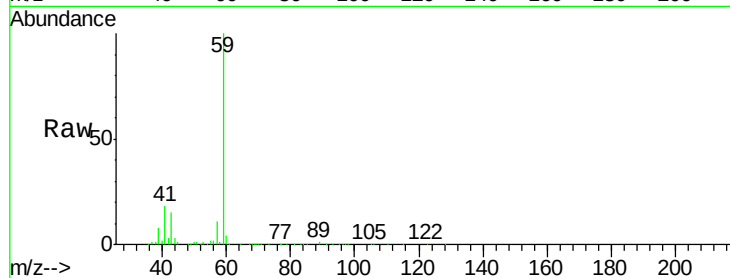
Tert butyl alcohol
Concen: 103.743 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX010113.D
Acq: 07 Jun 2019 17:03

Instrument :
MSVOA_X
ClientSampleId :
VX0607MBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.7	8.2	12.2

Manual Integrations
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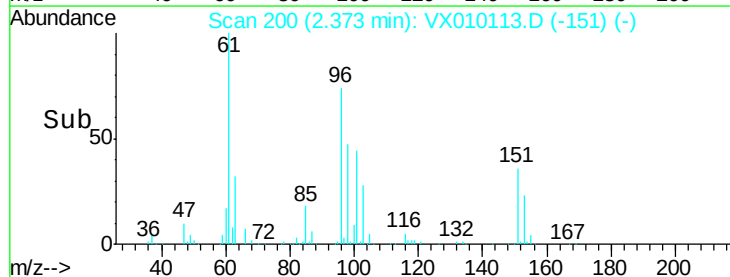
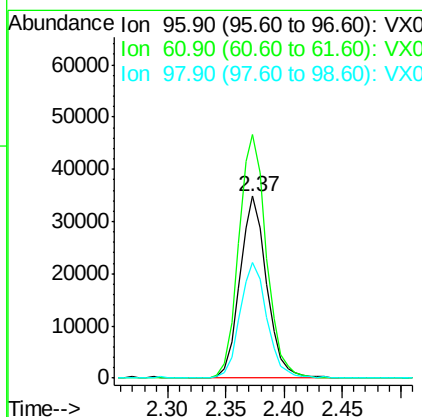
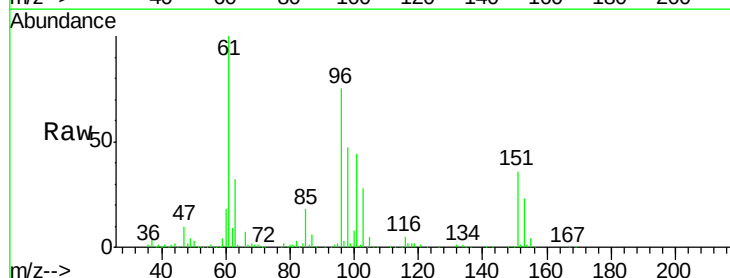
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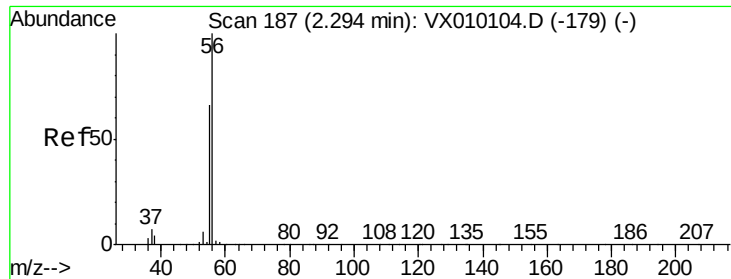


#12

1,1-Dichloroethene
Concen: 19.961 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX010113.D
Acq: 07 Jun 2019 17:03

Tgt Ion	Ratio	Lower	Upper
96	100		
61	134.0	140.7	211.1#
98	63.4	50.1	75.1





#13

Acrolein

Concen: 107.683 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX010113.D

Acq: 07 Jun 2019 17:03

Instrument :

MSVOA_X

ClientSampleId :

VX0607MBS01

Tot Ion: 56 Resp: 14601

Ion Ratio Lower Upper

56 100

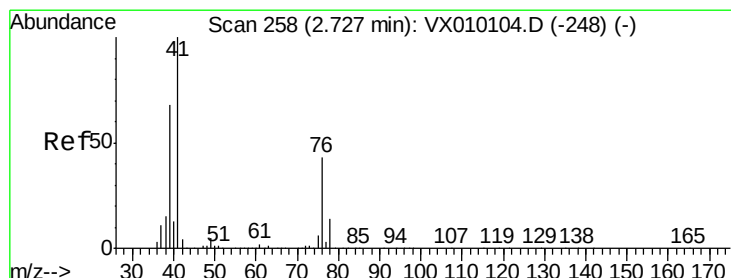
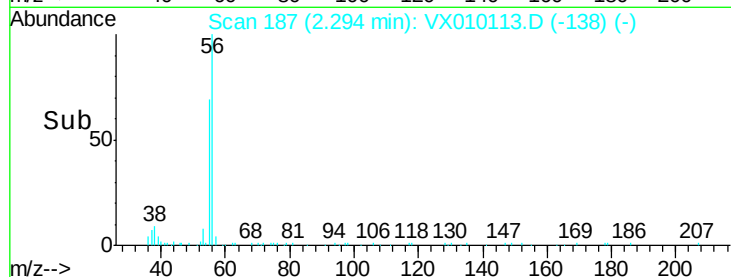
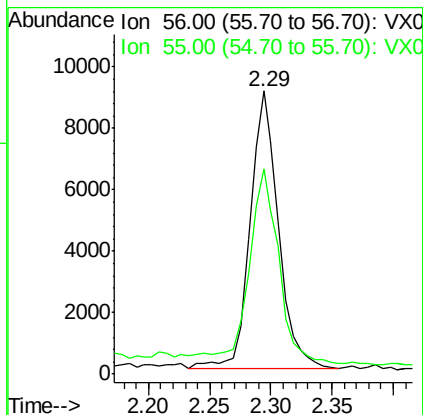
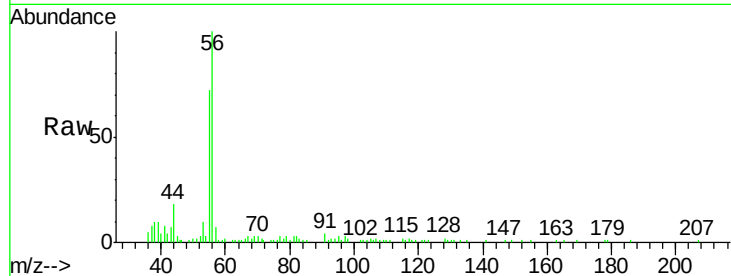
55 72.1 57.0 85.4

Manual Integrations

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#14

Allyl chloride

Concen: 19.524 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX010113.D

Acq: 07 Jun 2019 17:03

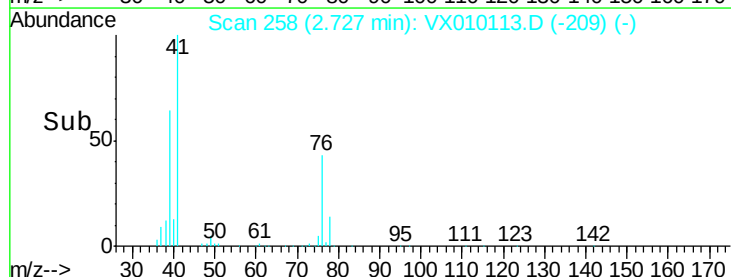
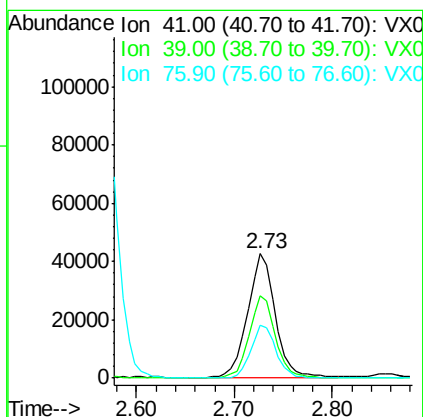
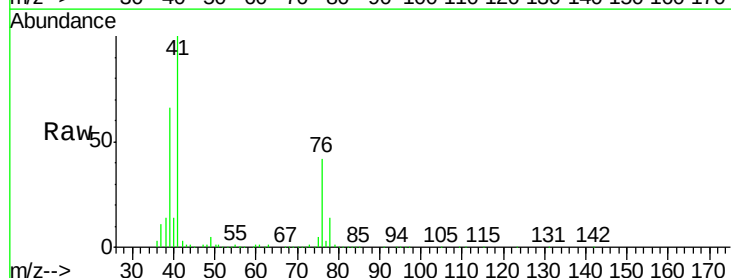
Tgt Ion: 41 Resp: 82323

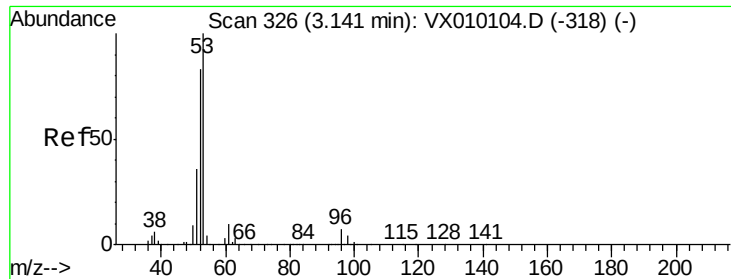
Ion Ratio Lower Upper

41 100

39 62.2 46.7 70.1

76 39.5 21.0 31.4#





#15

Acrylonitrile

Concen: 101.136 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX010113.D

Acq: 07 Jun 2019 17:03

Instrument :

MSVOA_X

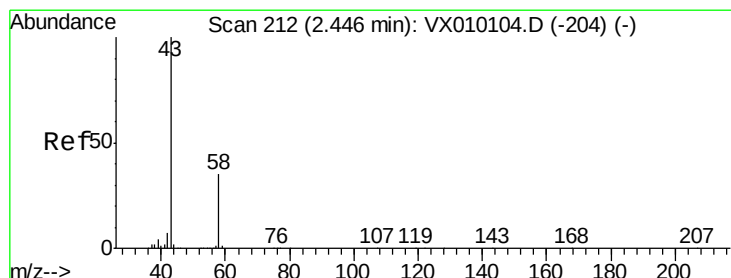
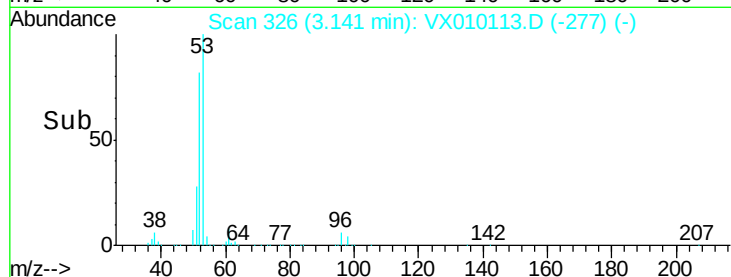
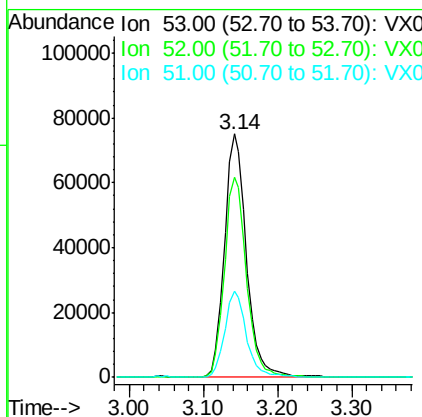
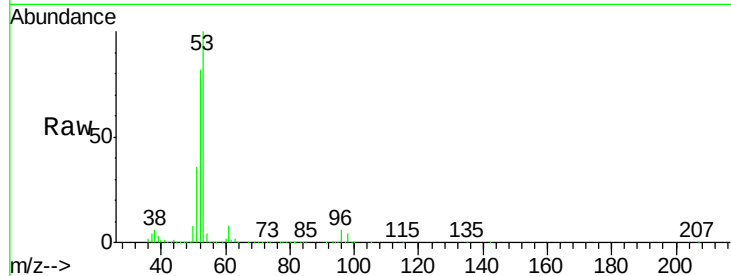
ClientSampleId :

VX0607MBS01

Tot Ion:	53	Resp:	153722
Ion Ratio	Lower	Upper	
53	100		
52	83.3	66.7	100.1
51	35.4	28.8	43.2

Manual Integrations
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#16

Acetone

Concen: 94.718 ug/l

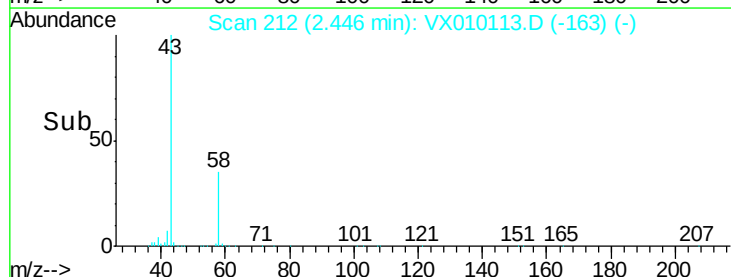
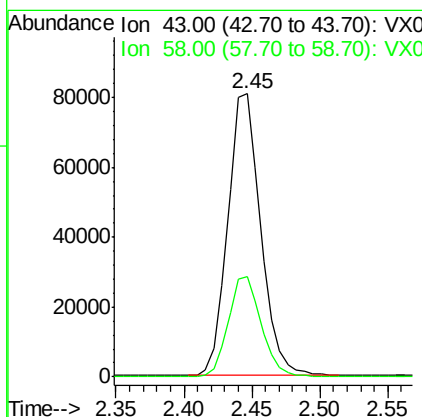
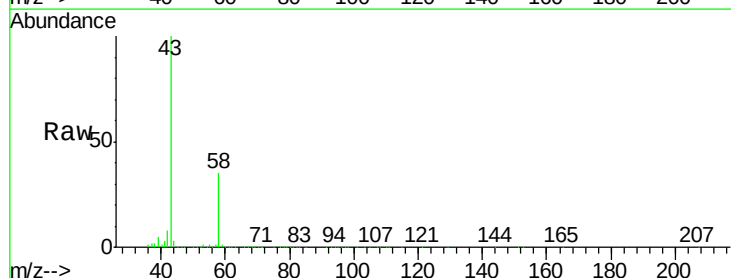
RT: 2.45 min Scan# 212

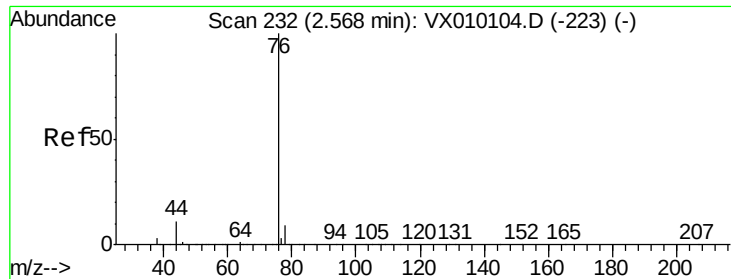
Delta R.T. -0.00 min

Lab File: VX010113.D

Acq: 07 Jun 2019 17:03

Tgt Ion:	43	Resp:	135233
Ion Ratio	Lower	Upper	
43	100		
58	35.4	23.2	34.8#





#17

Carbon Disulfide

Concen: 19.251 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX010113.D

Acq: 07 Jun 2019 17:03

Instrument :

MSVOA_X

ClientSampleId :

VX0607MBS01

Tot Ion: 76 Resp: 155380

Ion Ratio Lower Upper

76 100

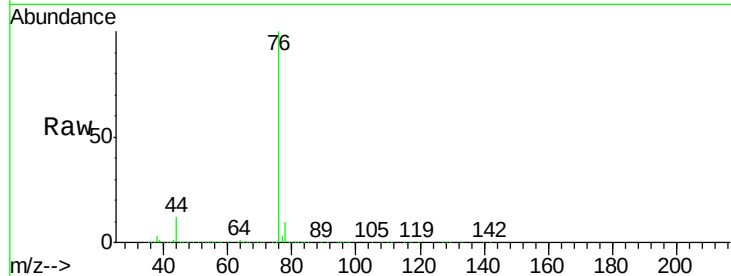
78 9.7 7.0 10.6

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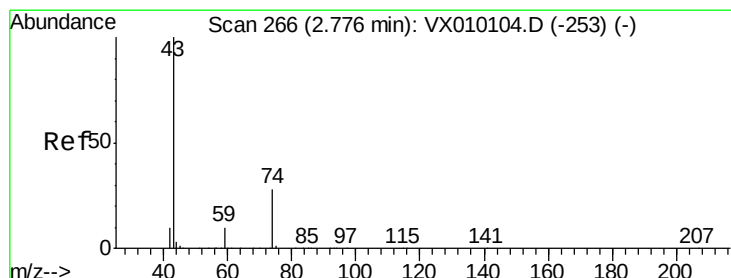
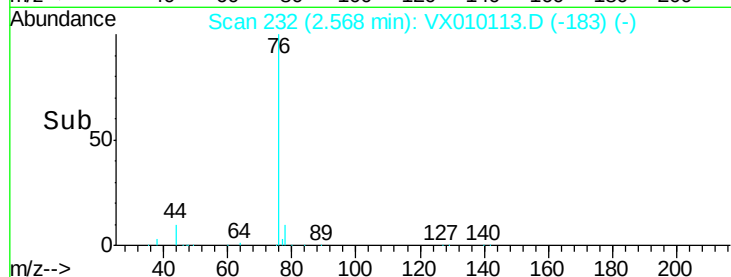
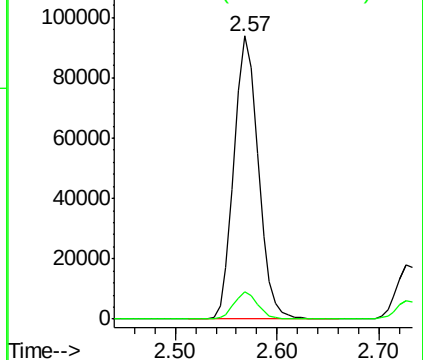
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 19.635 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX010113.D

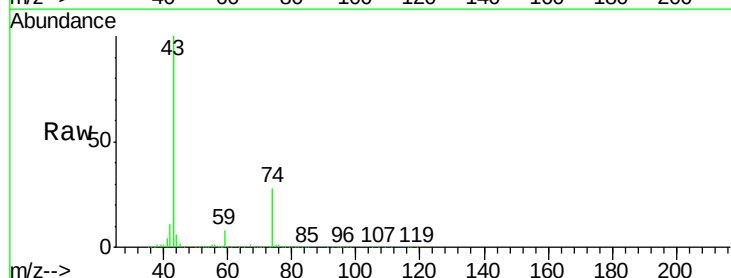
Acq: 07 Jun 2019 17:03

Tgt Ion: 43 Resp: 61652

Ion Ratio Lower Upper

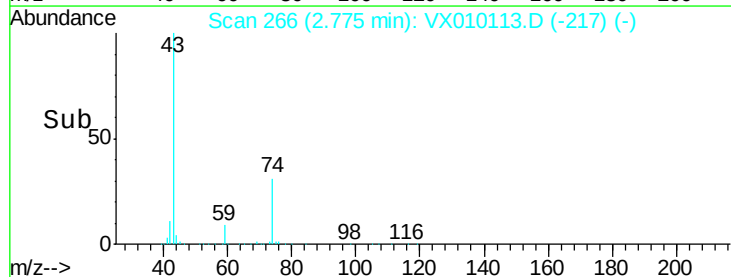
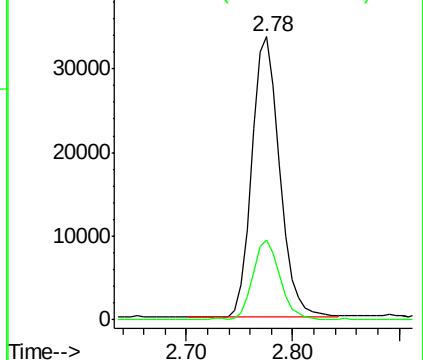
43 100

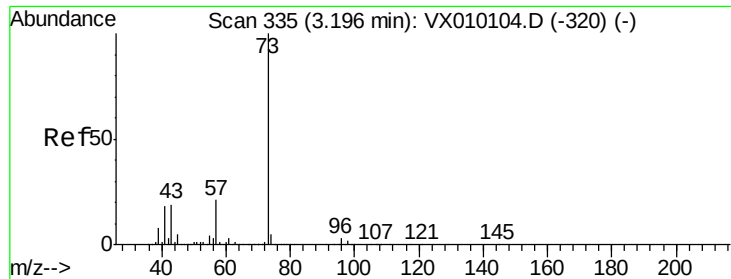
74 28.3 15.8 23.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





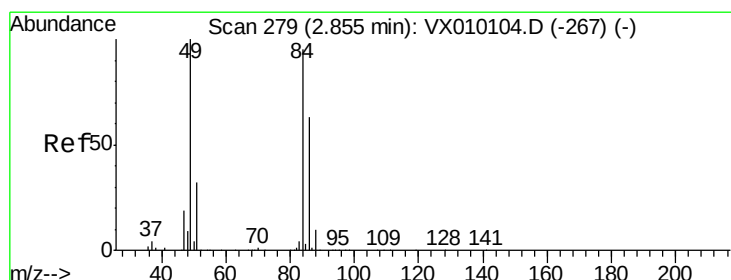
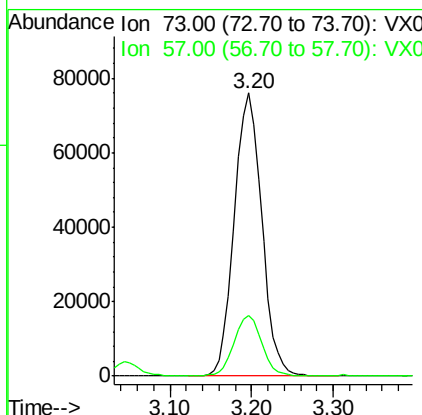
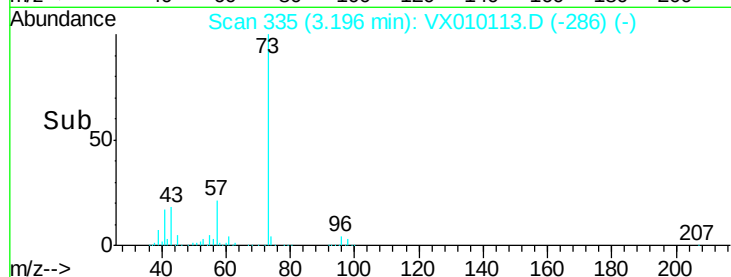
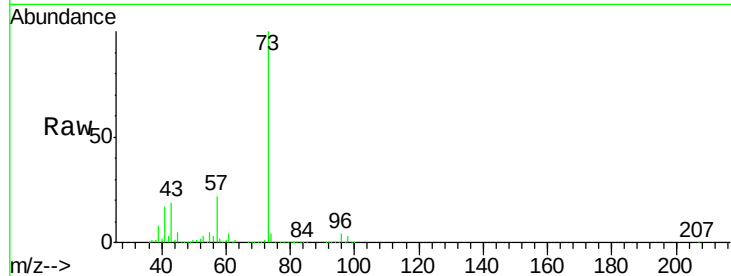
#19
Methyl tert-butyl Ether
Concen: 19.724 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX010113.D
Acq: 07 Jun 2019 17:03

Instrument :
MSVOA_X
ClientSampleId :
VX0607MBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.3	19.4	29.2

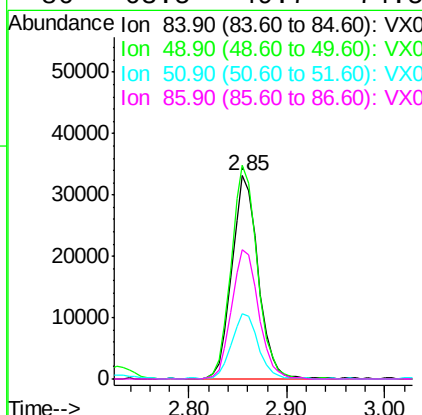
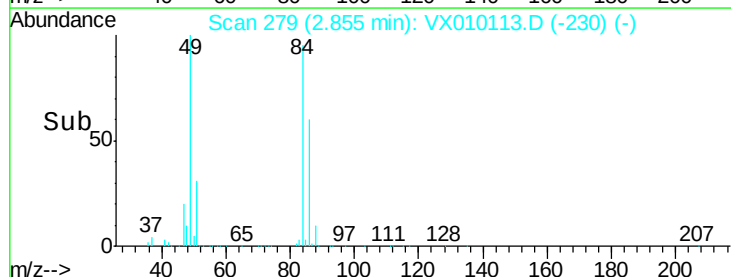
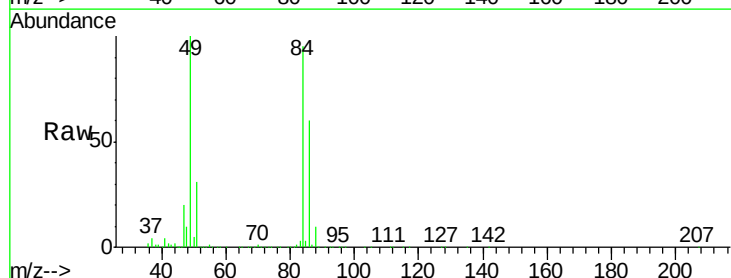
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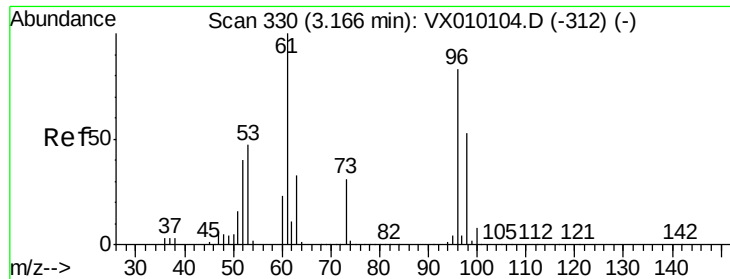
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#20
Methylene Chloride
Concen: 19.736 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX010113.D
Acq: 07 Jun 2019 17:03

Tgt Ion	Ratio	Lower	Upper
84	100		
49	105.0	115.8	173.6#
51	32.0	34.4	51.6#
86	63.5	49.7	74.5





#21

trans-1,2-Dichloroethene

Concen: 19.202 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX010113.D

Acq: 07 Jun 2019 17:03

Instrument :

MSVOA_X

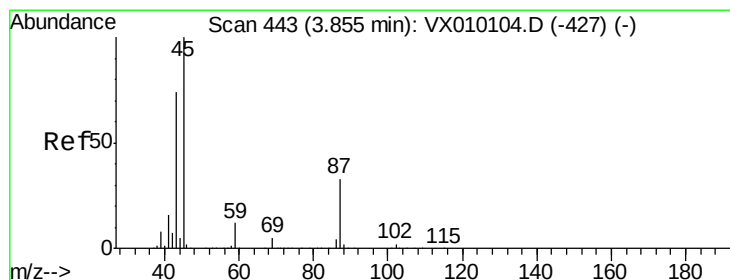
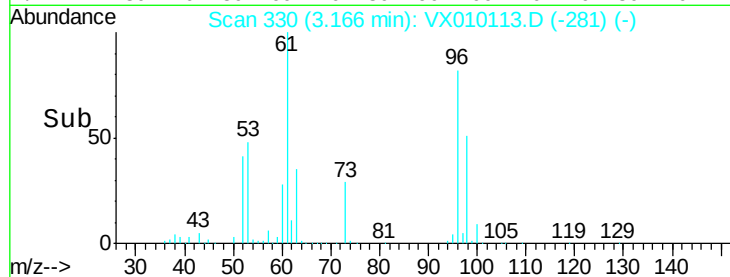
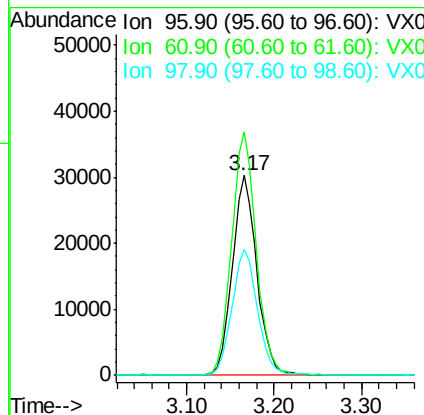
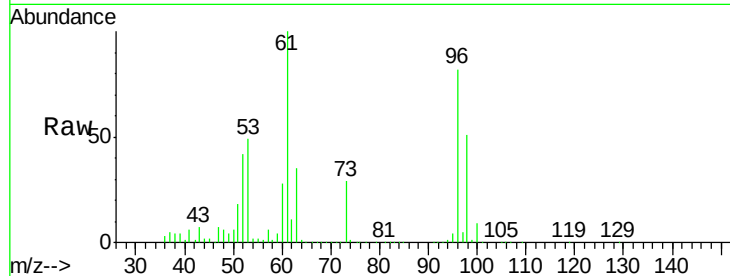
ClientSampleId :

VX0607MBS01

Tot Ion:	96	Resp:	59359
Ion	Ratio	Lower	Upper
96	100		
61	121.7	125.7	188.5#
98	62.4	49.0	73.6

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#22

Diisopropyl ether

Concen: 20.081 ug/l

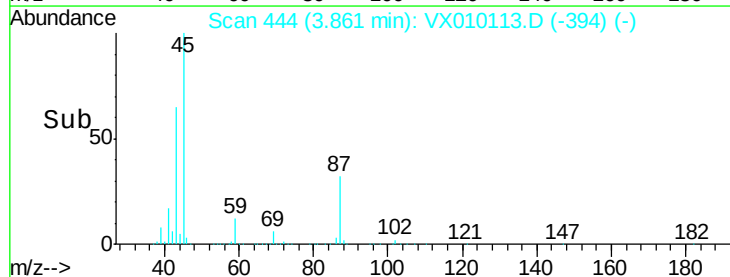
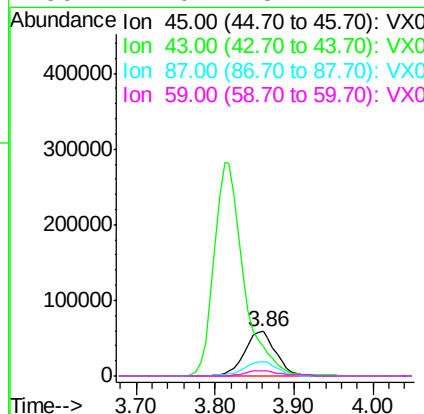
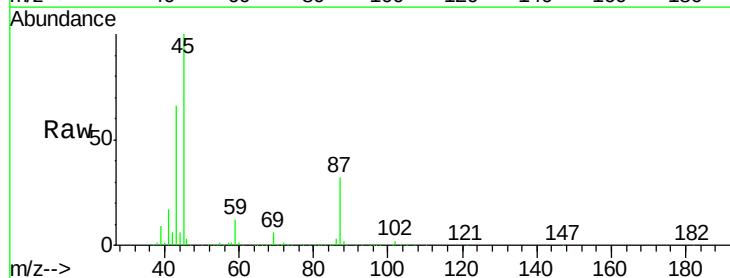
RT: 3.86 min Scan# 444

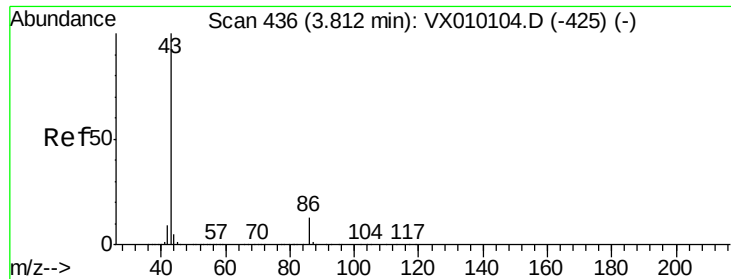
Delta R.T. 0.01 min

Lab File: VX010113.D

Acq: 07 Jun 2019 17:03

Tgt Ion:	45	Resp:	161882
Ion	Ratio	Lower	Upper
45	100		
43	64.4	65.0	97.4#
87	32.2	17.3	25.9#
59	12.0	8.1	12.1





#23

Vinyl Acetate

Concen: 102.080 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.00 min

Lab File: VX010113.D

Acq: 07 Jun 2019 17:03

Instrument :

MSVOA_X

ClientSampleId :

VX0607MBS01

Tot Ion: 43 Resp: 734131

Ion Ratio Lower Upper

43 100

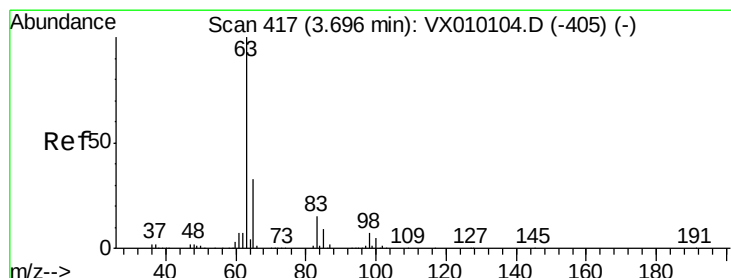
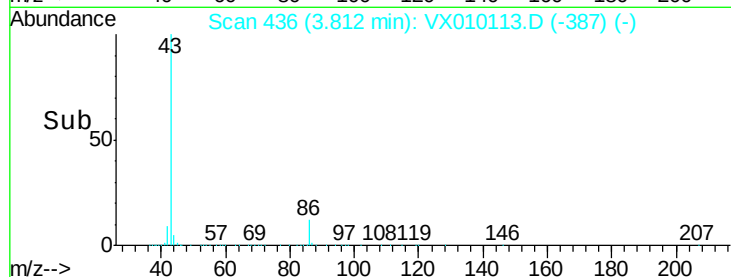
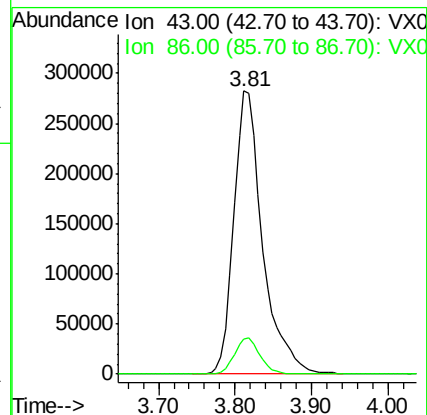
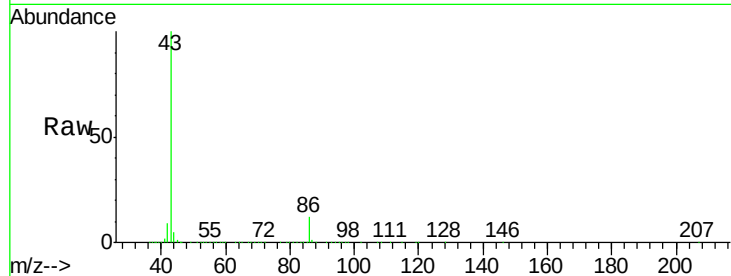
86 12.3 6.5 9.7#

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#24

1,1-Dichloroethane

Concen: 19.689 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX010113.D

Acq: 07 Jun 2019 17:03

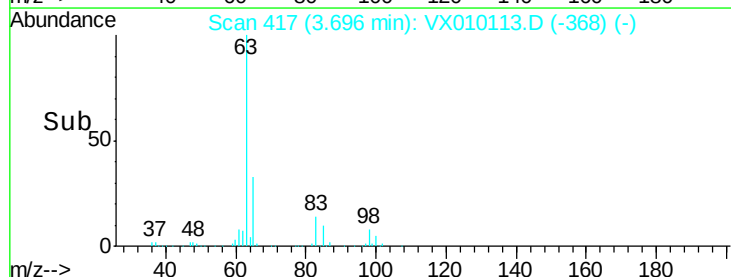
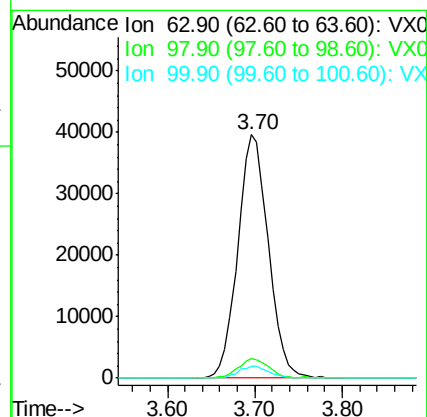
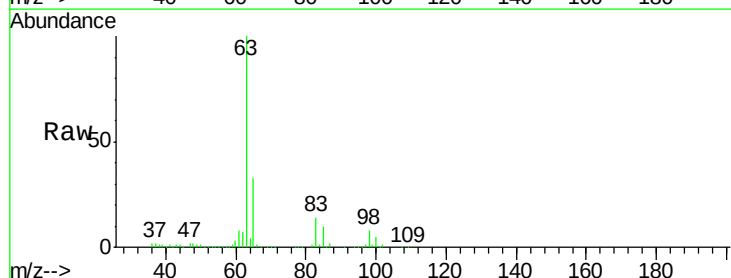
Tgt Ion: 63 Resp: 96369

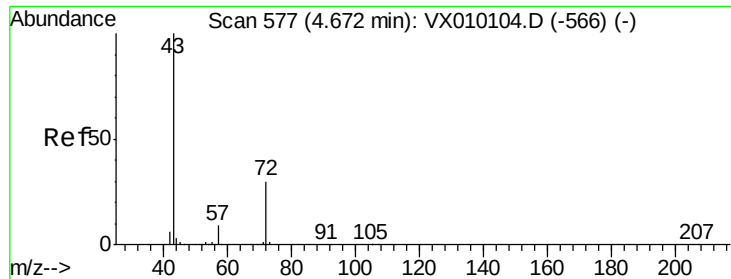
Ion Ratio Lower Upper

63 100

98 8.1 2.9 8.8

100 4.9 1.8 5.4





#25

2-Butanone

Concen: 102.143 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.00 min

Lab File: VX010113.D

Acq: 07 Jun 2019 17:03

Instrument :

MSVOA_X

ClientSampleId :

VX0607MBS01

Tot Ion: 43 Resp: 217160

Ion Ratio Lower Upper

43 100

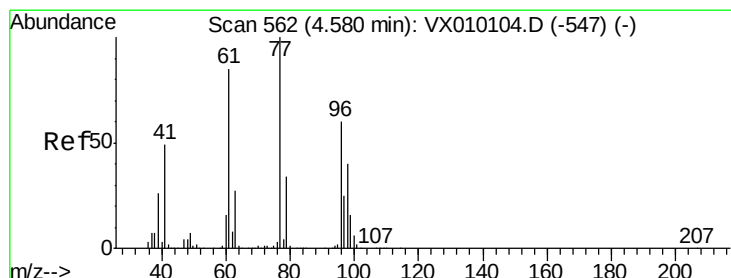
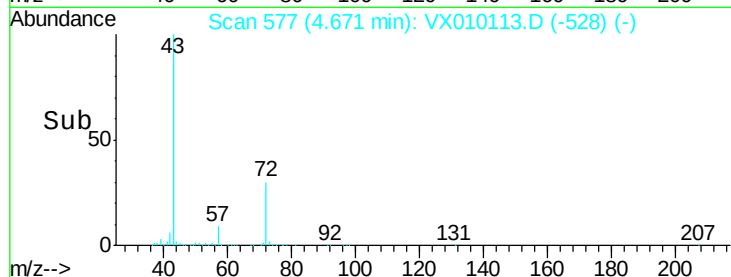
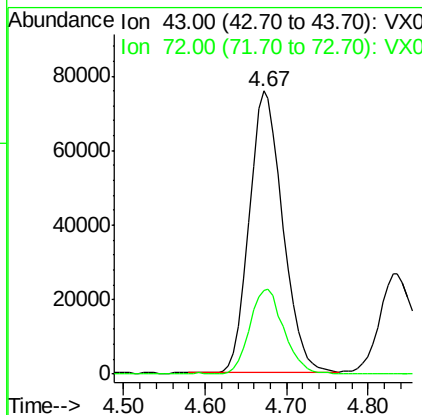
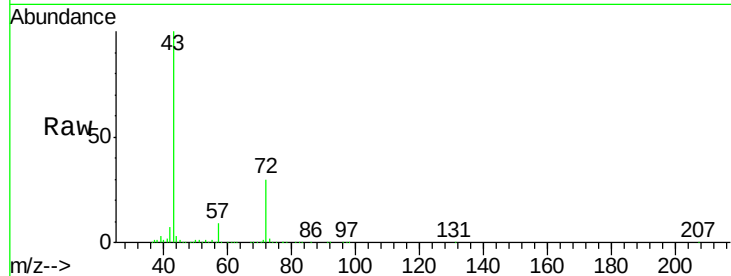
72 29.5 17.5 26.3#

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 18.817 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX010113.D

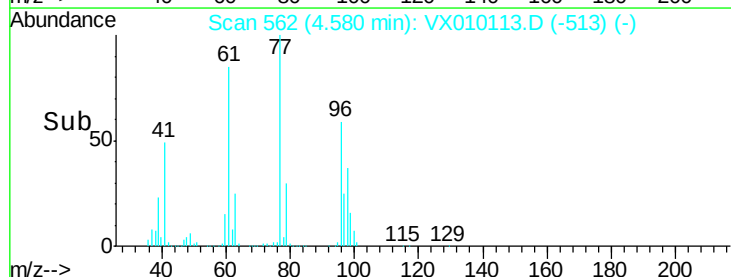
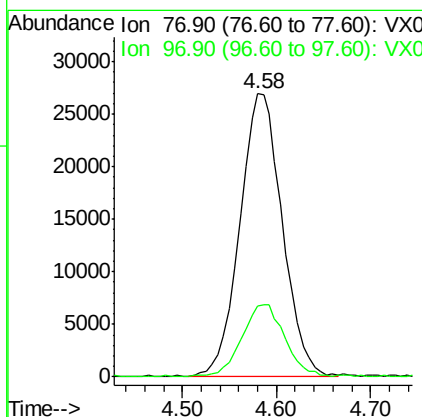
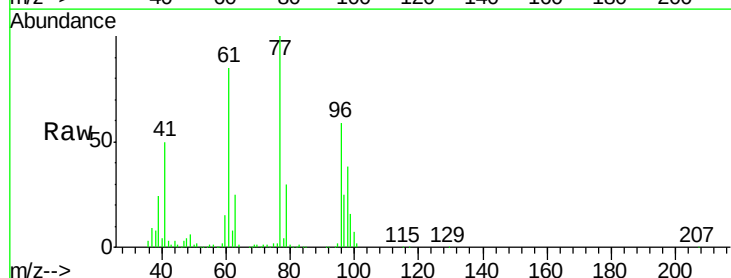
Acq: 07 Jun 2019 17:03

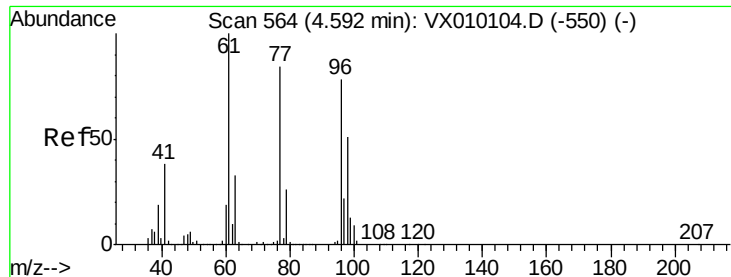
Tgt Ion: 77 Resp: 84025

Ion Ratio Lower Upper

77 100

97 26.2 11.4 34.2





#27

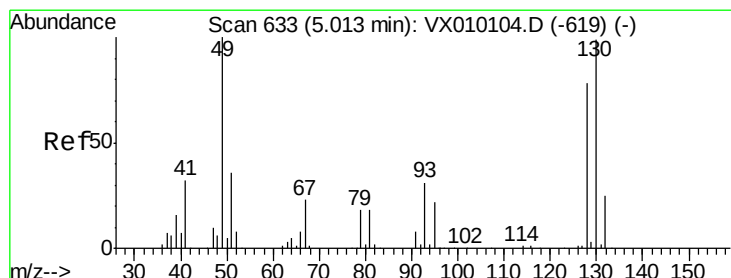
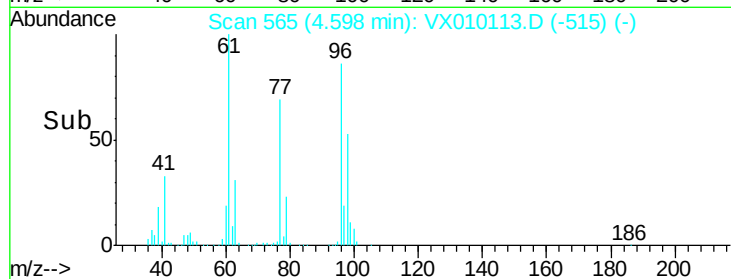
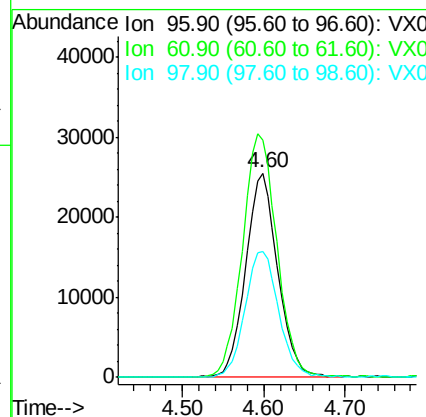
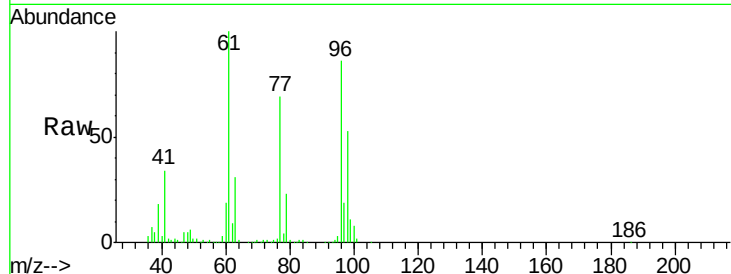
cis-1,2-Dichloroethene
Concen: 20.293 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX010113.D
Acq: 07 Jun 2019 17:03

Instrument :
MSVOA_X
ClientSampleId :
VX0607MBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	69785		
61	128.3		0.0	334.0
98	64.2		0.0	131.6

Manual Integrations
APPROVED

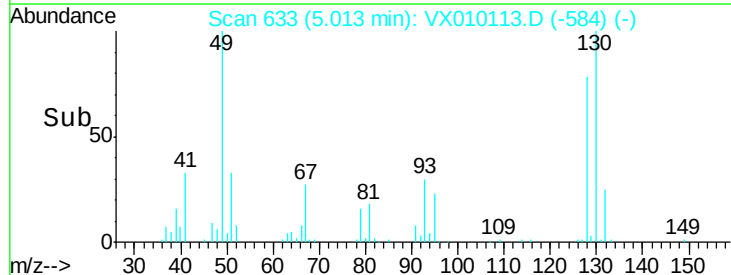
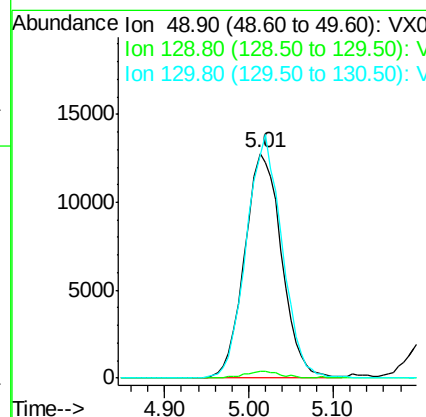
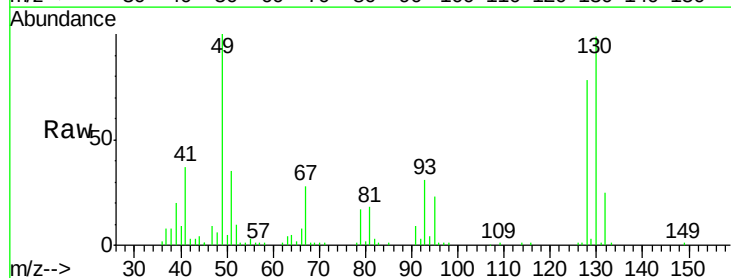
MMDadoda
6/10/2019 10:52:56 AM

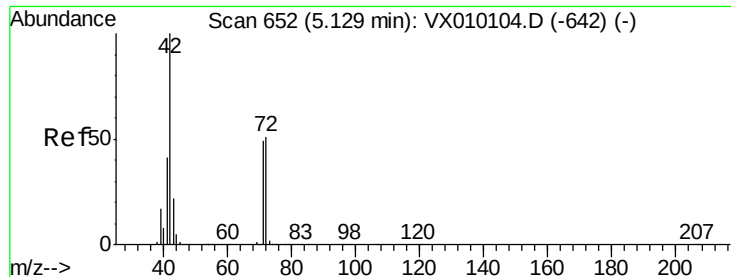


#28

Bromochloromethane
Concen: 17.422 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.00 min
Lab File: VX010113.D
Acq: 07 Jun 2019 17:03

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	38218		
129	3.0		0.0	3.4
130	104.2		49.4	74.2#





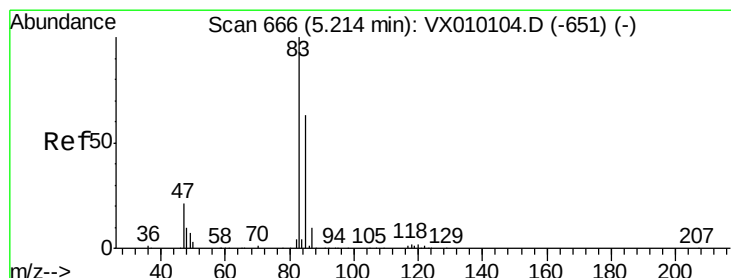
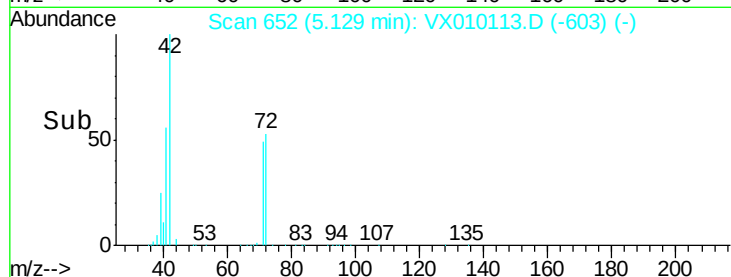
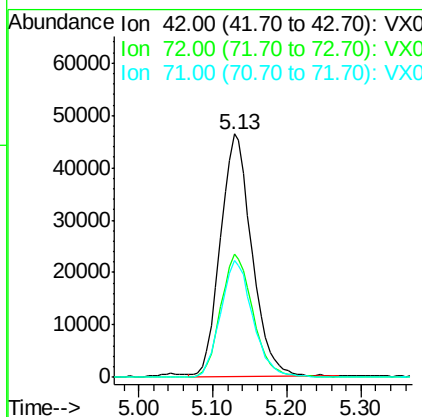
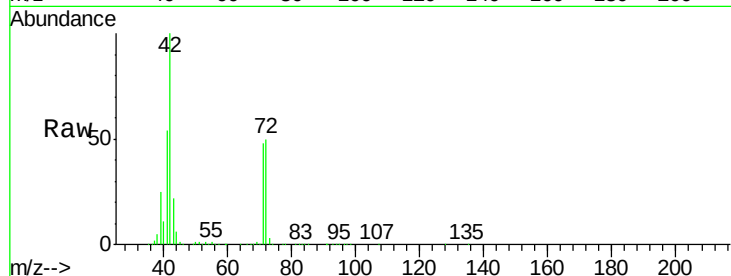
#29
Tetrahydrofuran
Concen: 102.098 ug/l
RT: 5.13 min Scan# 652
Delta R.T. -0.00 min
Lab File: VX010113.D
Acq: 07 Jun 2019 17:03

Instrument :
MSVOA_X
ClientSampleId :
VX0607MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	52.3	29.2	43.8#
71	48.6	27.6	41.4#

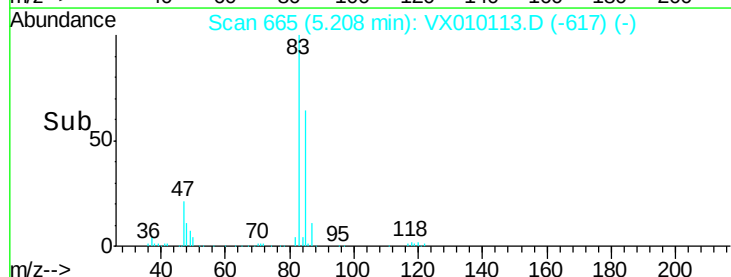
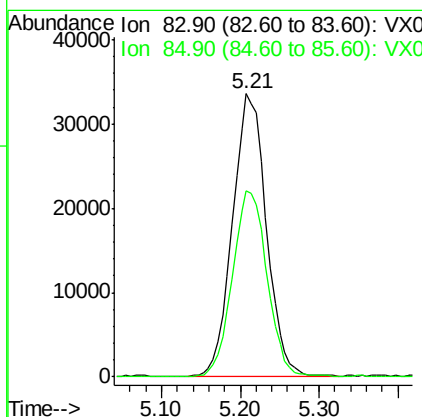
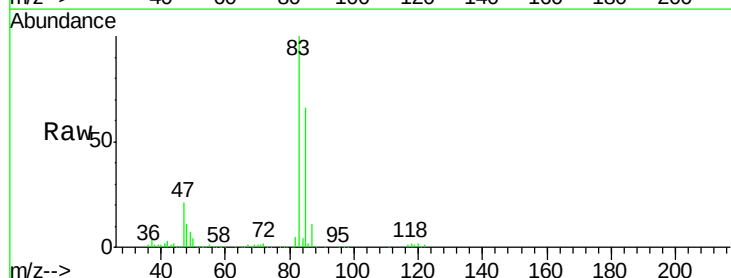
Manual Integrations
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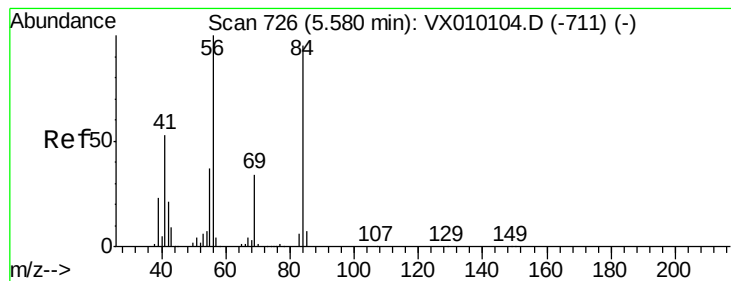
MMDadoda
6/10/2019 10:52:56 AM



#30
Chloroform
Concen: 19.617 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.01 min
Lab File: VX010113.D
Acq: 07 Jun 2019 17:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	52.6	78.8





#31

Cyclohexane

Concen: 20.375 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX010113.D

Acq: 07 Jun 2019 17:03

Instrument :

MSVOA_X

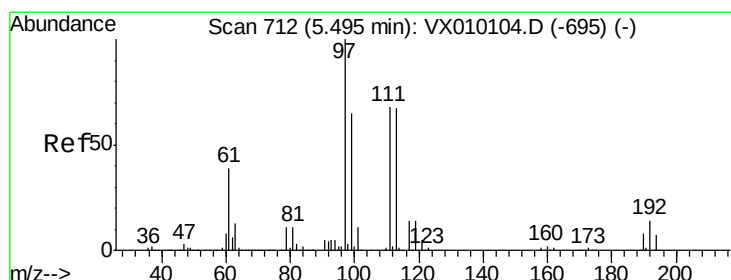
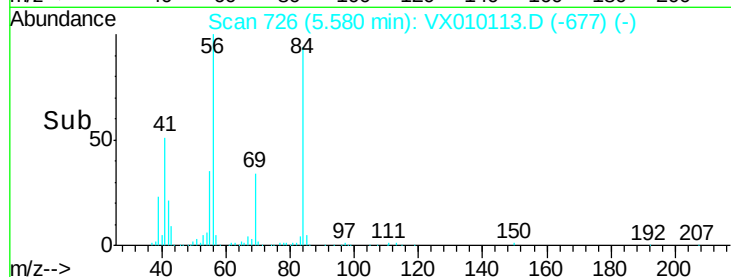
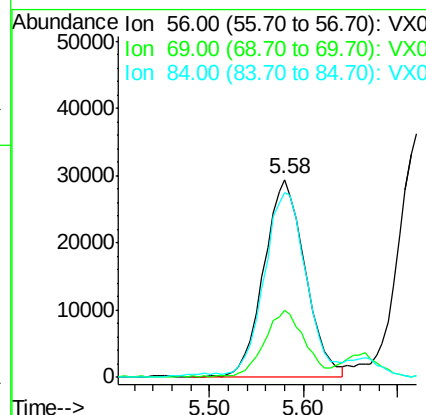
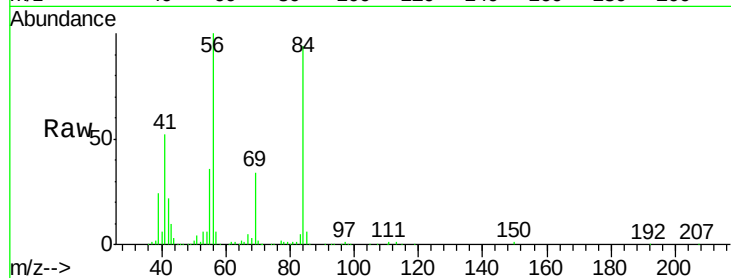
ClientSampleId :

VX0607MBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.6	21.6	32.4#
84	92.2	56.8	85.2#

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.348 ug/l

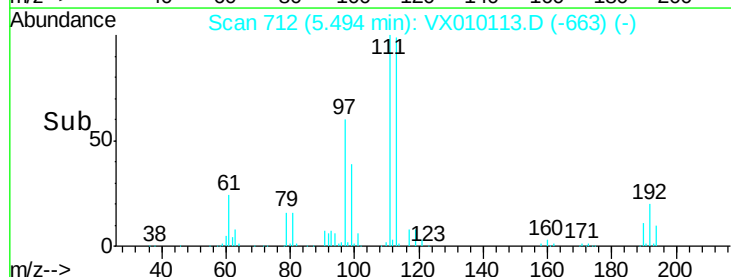
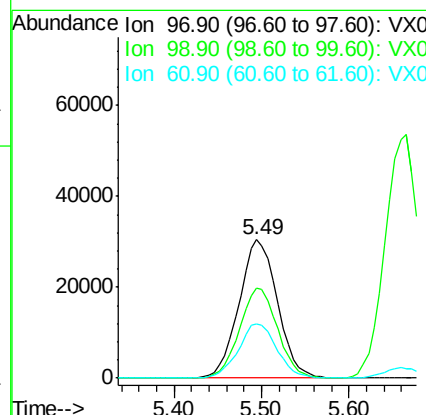
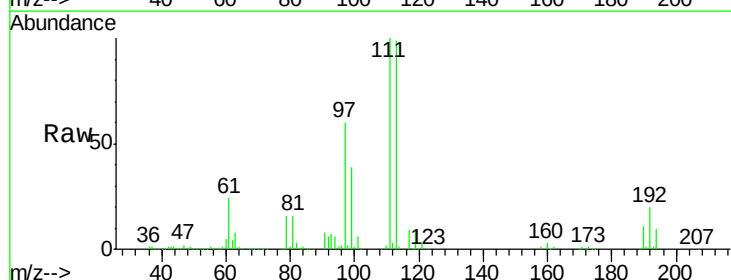
RT: 5.49 min Scan# 712

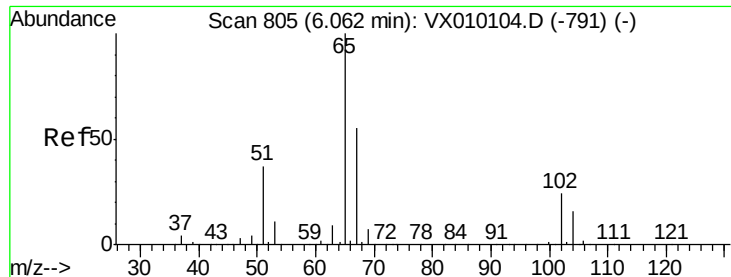
Delta R.T. -0.00 min

Lab File: VX010113.D

Acq: 07 Jun 2019 17:03

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.0	76.4
61	39.6	38.7	58.1





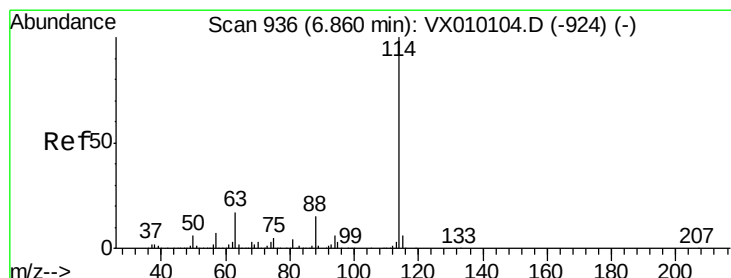
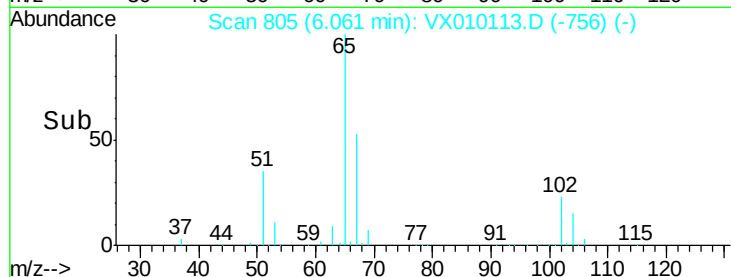
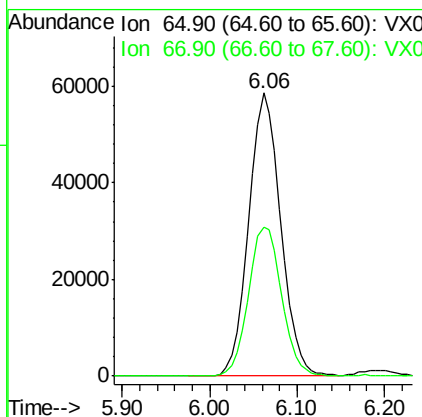
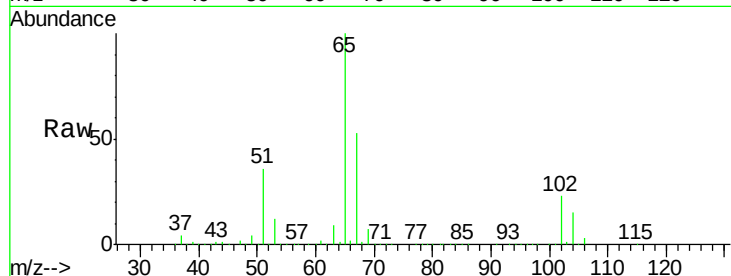
#33
 1,2-Dichloroethane-d4
 Concen: 49.065 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX010113.D
 Acq: 07 Jun 2019 17:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0607MBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	148940		
67	54.2	0.0	108.4	

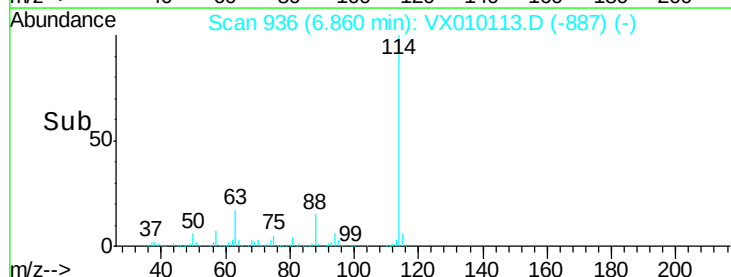
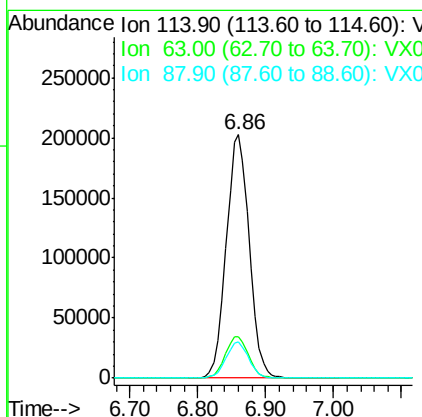
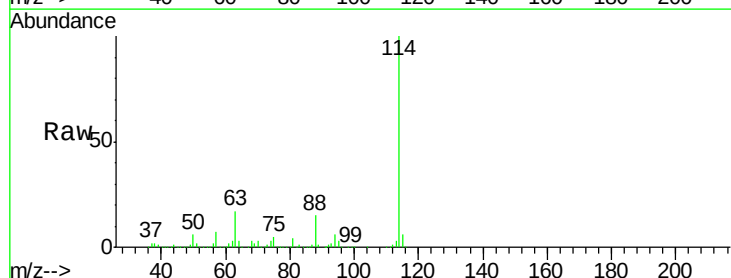
Manual Integrations
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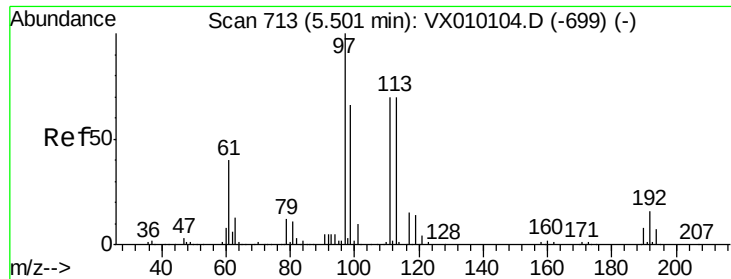
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX010113.D
 Acq: 07 Jun 2019 17:03

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	473567		
63	17.0	0.0	47.4	
88	15.1	0.0	33.0	





#35

Dibromofluoromethane

Concen: 49.594 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX010113.D

Acq: 07 Jun 2019 17:03

Instrument :

MSVOA_X

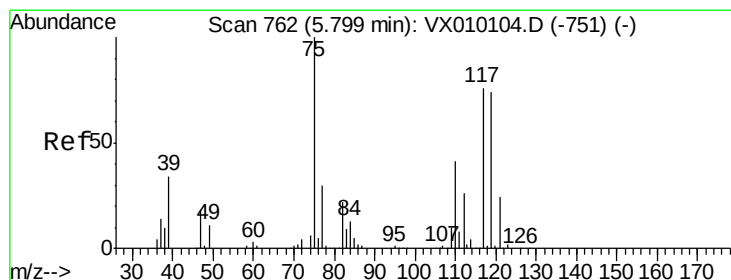
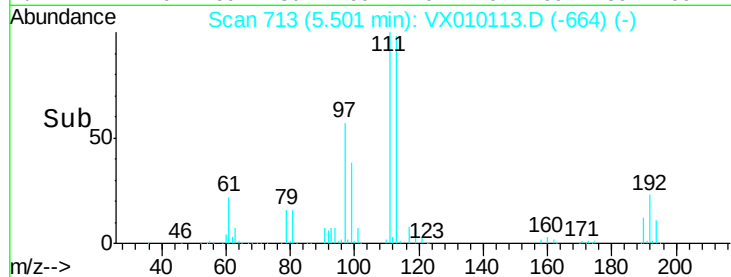
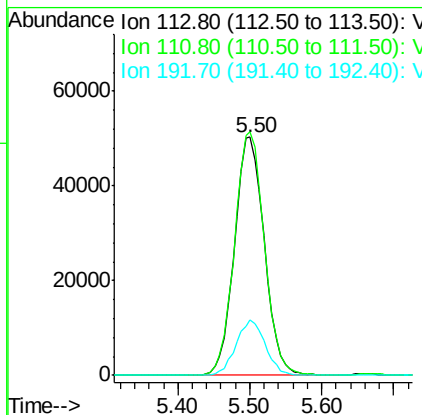
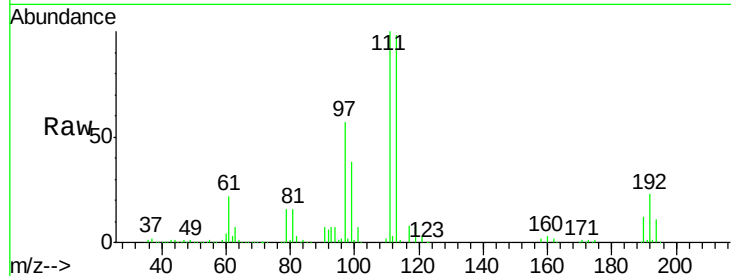
ClientSampleId :

VX0607MBS01

Tot Ion:	113	Resp:	144868
Ion Ratio	Lower	Upper	
113	100		
111	102.0	82.2	123.2
192	22.6	17.1	25.7

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 19.587 ug/l

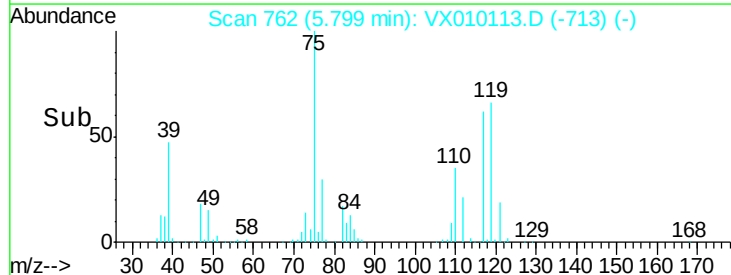
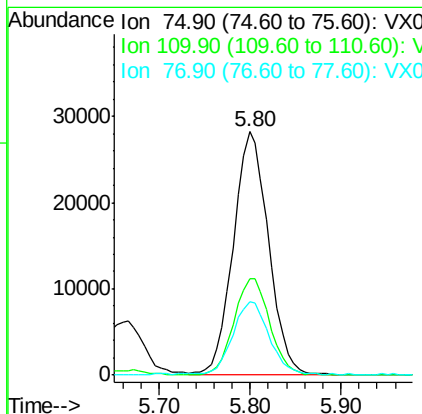
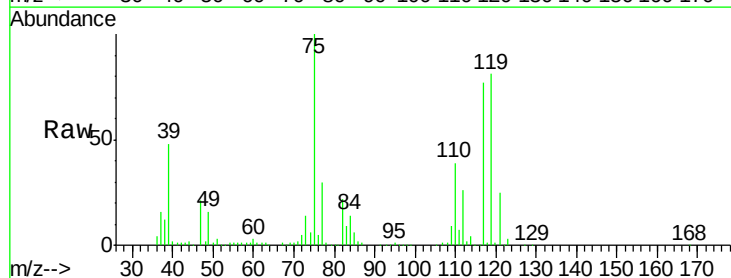
RT: 5.80 min Scan# 762

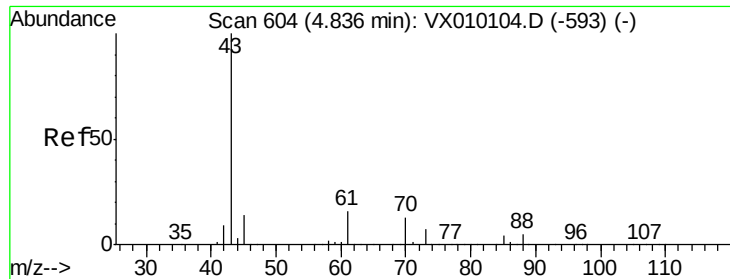
Delta R.T. -0.00 min

Lab File: VX010113.D

Acq: 07 Jun 2019 17:03

Tgt Ion:	75	Resp:	75675
Ion Ratio	Lower	Upper	
75	100		
110	40.8	16.7	50.1
77	31.0	25.0	37.4





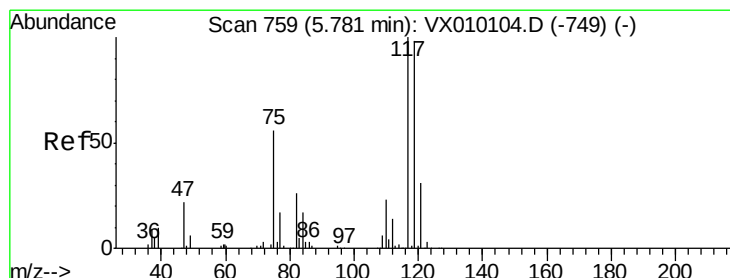
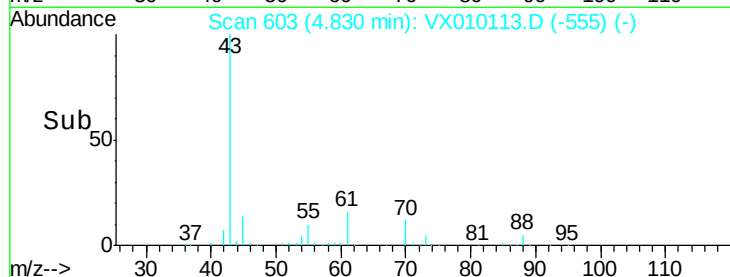
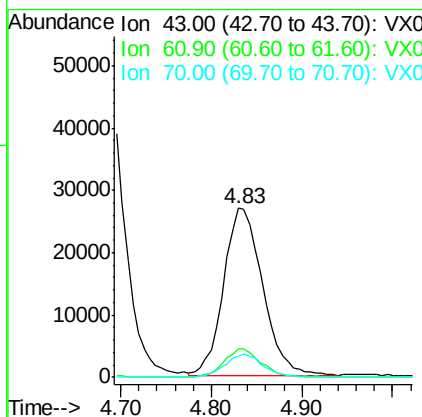
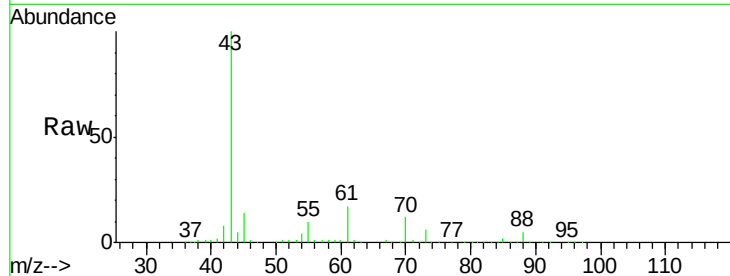
#37
Ethyl Acetate
Concen: 19.890 ug/l
RT: 4.83 min Scan# 603
Delta R.T. -0.01 min
Lab File: VX010113.D
Acq: 07 Jun 2019 17:03

Instrument :
MSVOA_X
ClientSampleId :
VX0607MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.7	10.2	15.2#
70	12.7	7.4	11.2#

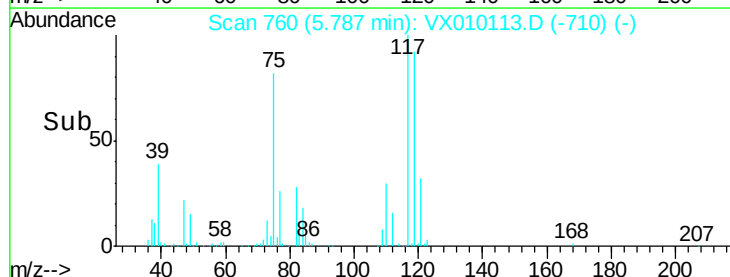
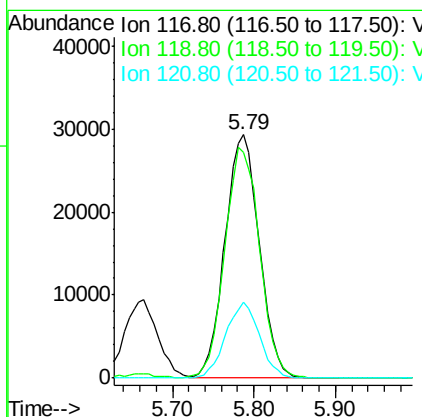
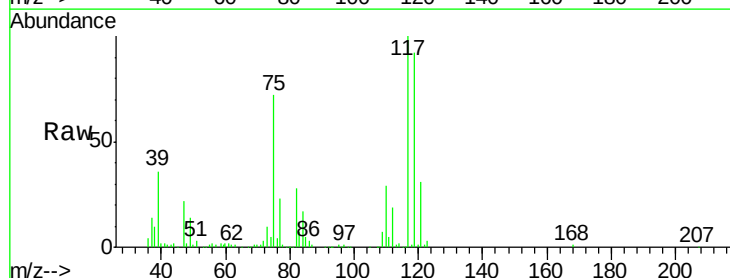
Manual Integrations
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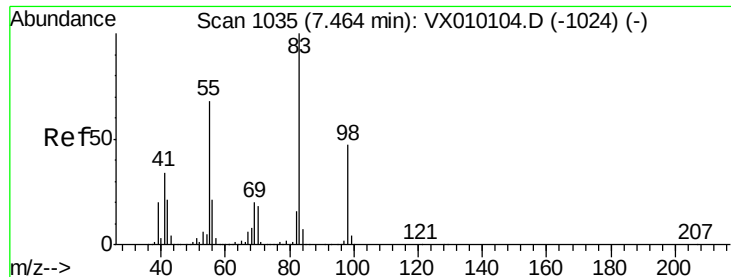
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#38
Carbon Tetrachloride
Concen: 19.521 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX010113.D
Acq: 07 Jun 2019 17:03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.5	77.3	115.9
121	31.4	25.4	38.0





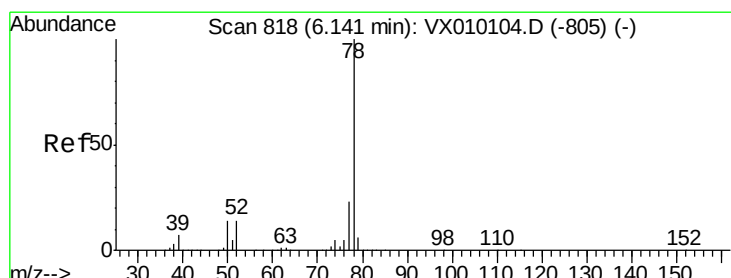
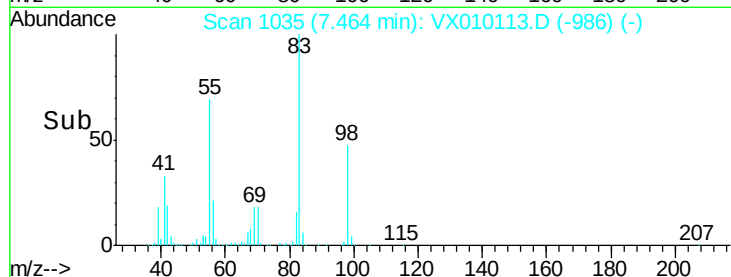
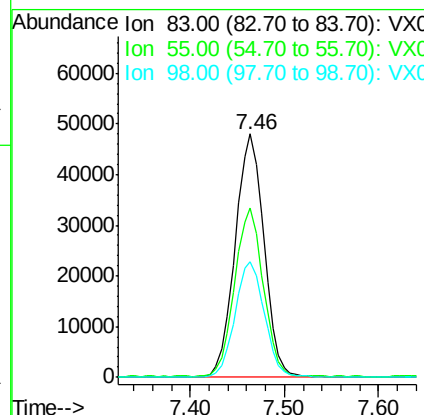
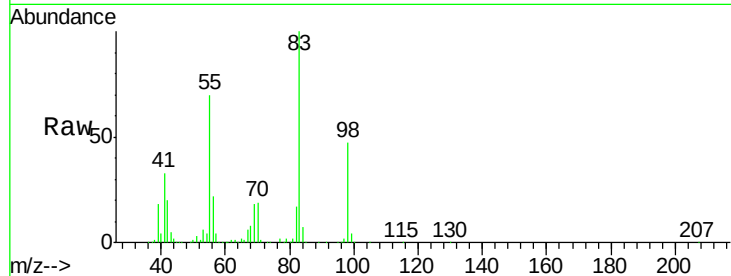
#39
Methylvlcyclohexane
Concen: 19.368 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX010113.D
Acq: 07 Jun 2019 17:03

Instrument :
MSVOA_X
ClientSampleId :
VX0607MBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	101893		
55	69.5	69.9	104.9#	
98	47.3	35.1	52.7	

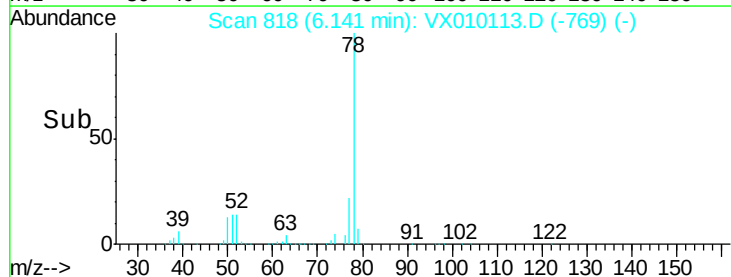
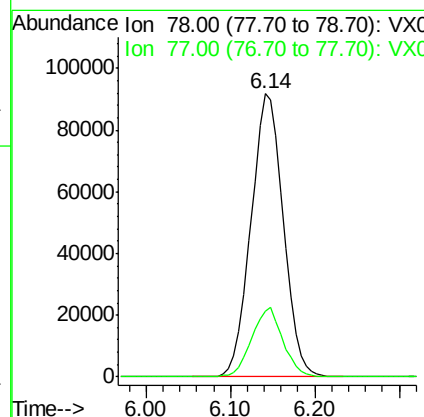
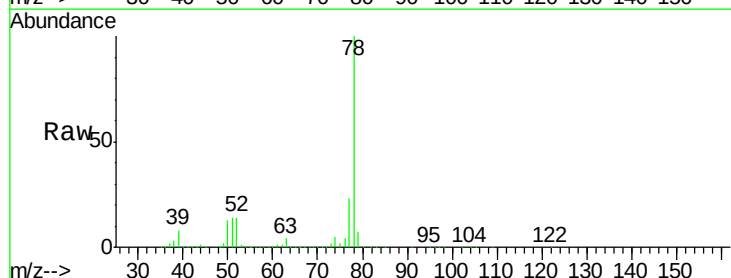
Manual Integrations
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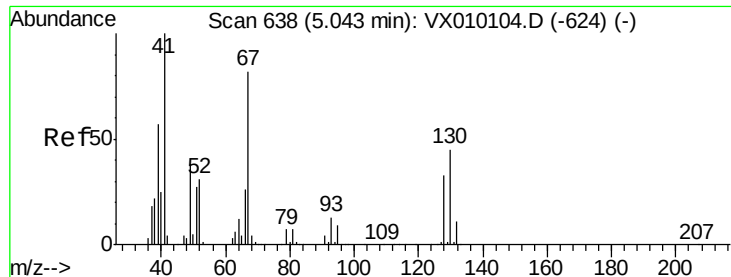
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#40
Benzene
Concen: 20.098 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX010113.D
Acq: 07 Jun 2019 17:03

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	240115		
77	23.0	19.2	28.8	





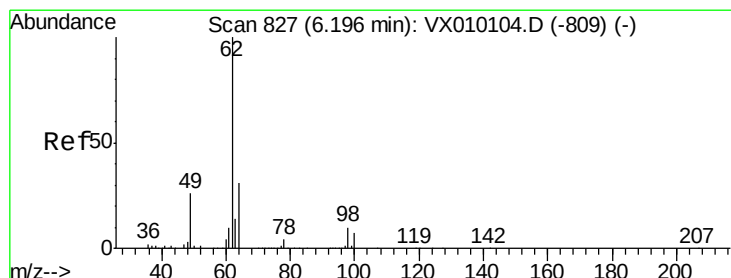
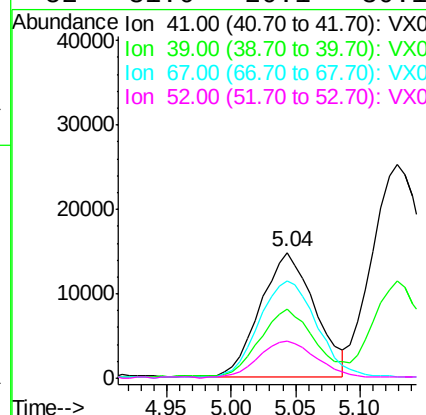
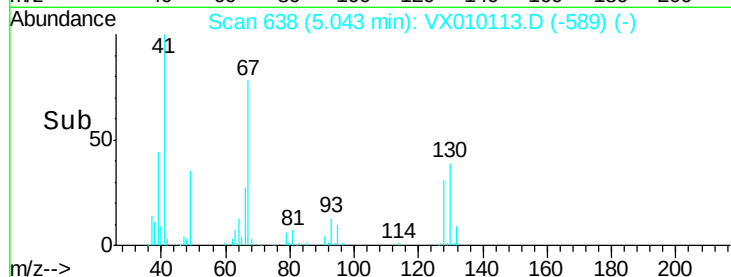
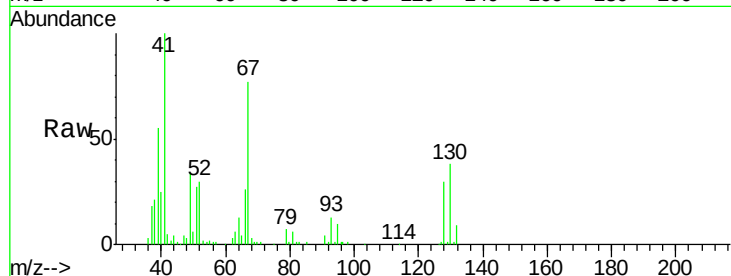
#41
Methacrylonitrile
Concen: 19.796 ug/l
RT: 5.04 min Scan# 638
Delta R.T. -0.00 min
Lab File: VX010113.D
Acq: 07 Jun 2019 17:03

Instrument :
MSVOA_X
ClientSampleId :
VX0607MBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	56.0	42.2	63.4
67	83.4	48.9	73.3
52	31.6	20.1	30.1

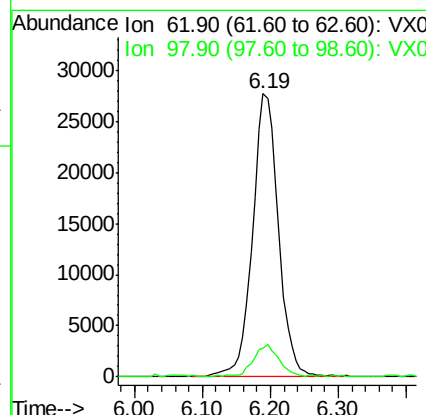
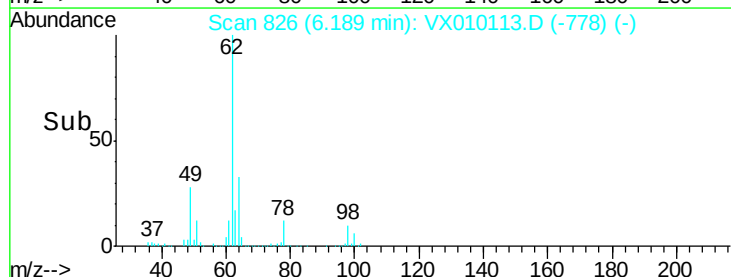
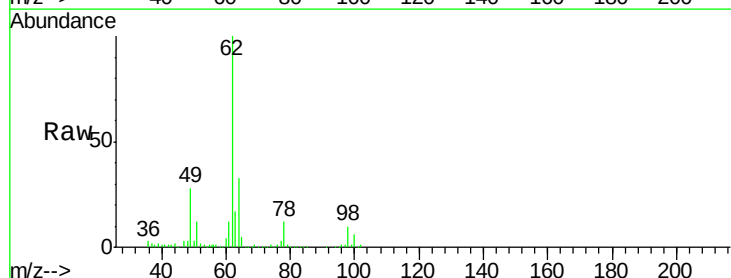
Manual Integrations
APPROVED

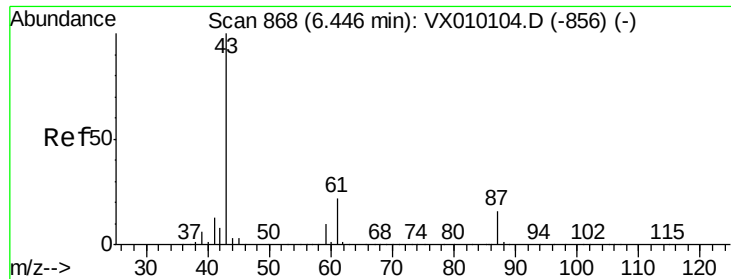
MMDadoda
6/10/2019 10:52:56 AM



#42
1,2-Dichloroethane
Concen: 19.347 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.01 min
Lab File: VX010113.D
Acq: 07 Jun 2019 17:03

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.6	0.0	17.2





#43

Isopropyl Acetate

Concen: 19.719 ug/l

RT: 6.45 min Scan# 868

Delta R.T. -0.00 min

Lab File: VX010113.D

Acq: 07 Jun 2019 17:03

Instrument :

MSVOA_X

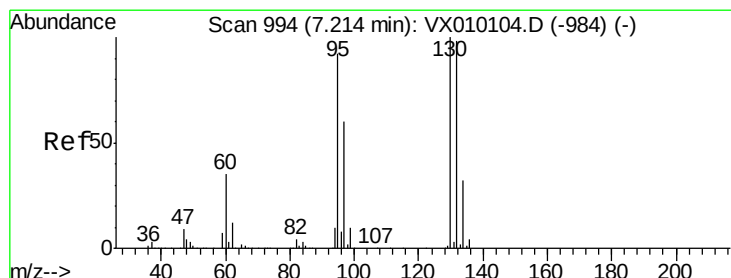
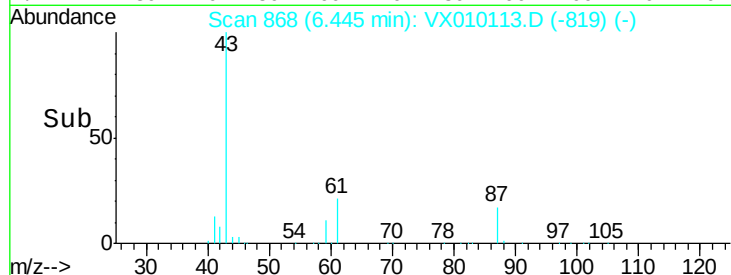
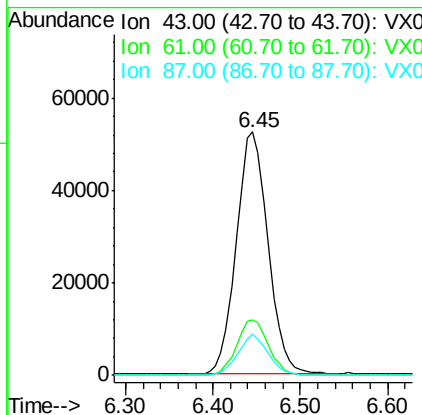
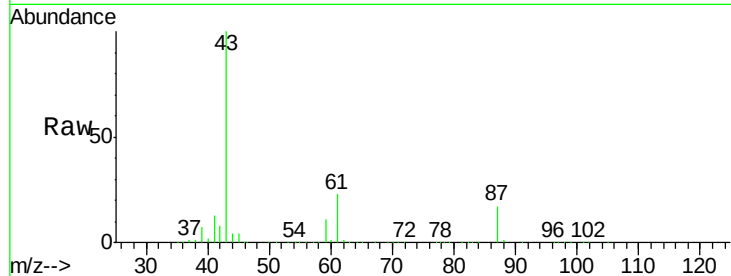
ClientSampleId :

VX0607MBS01

Tot Ion:	43	Resp:	132540
Ion	Ratio	Lower	Upper
43	100		
61	22.9	14.6	21.8#
87	16.3	8.7	13.1#

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#44

Trichloroethene

Concen: 19.714 ug/l

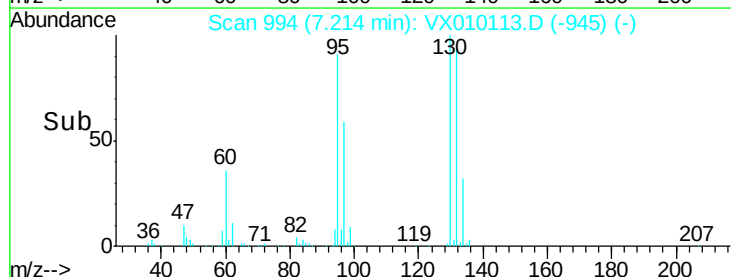
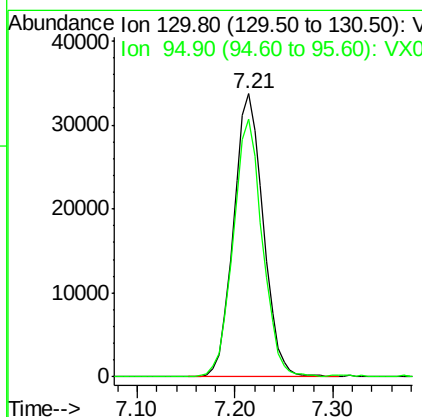
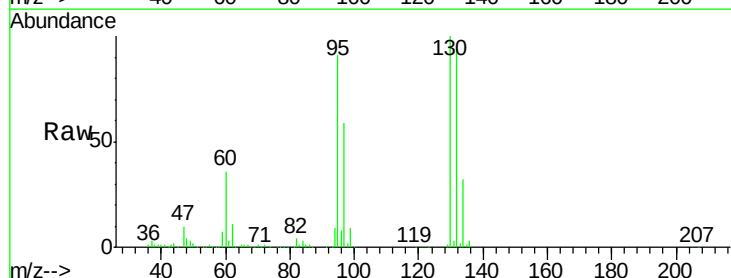
RT: 7.21 min Scan# 994

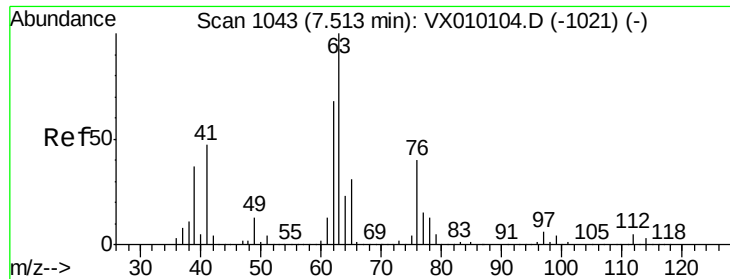
Delta R.T. -0.00 min

Lab File: VX010113.D

Acq: 07 Jun 2019 17:03

Tgt Ion:	130	Resp:	70994
Ion	Ratio	Lower	Upper
130	100		
95	91.1	0.0	207.4





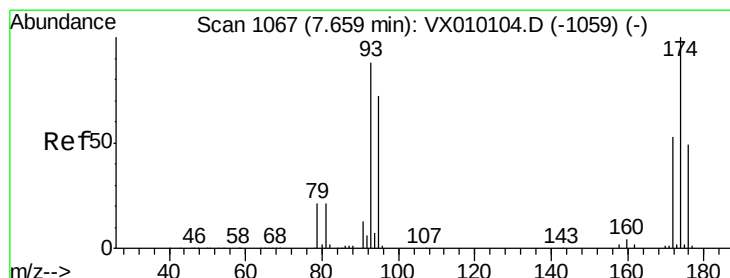
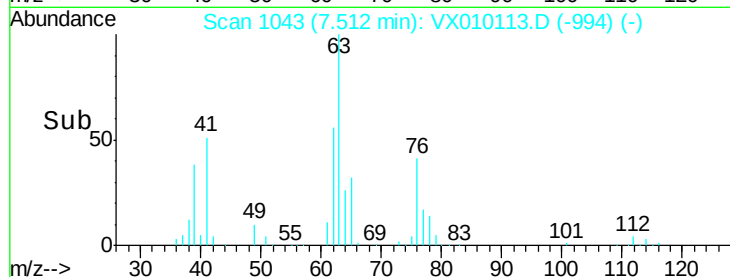
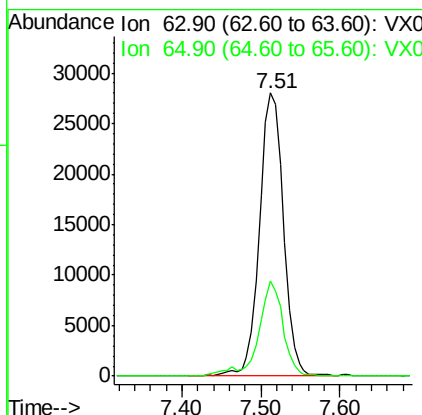
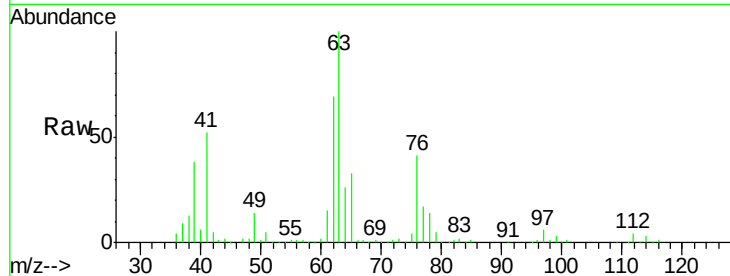
#45
 1,2-Dichloropropane
 Concen: 19.894 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX010113.D
 Acq: 07 Jun 2019 17:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0607MBS01

Tot Ion: 63 Resp: 59488
 Ion Ratio Lower Upper
 63 100
 65 33.2 25.7 38.5

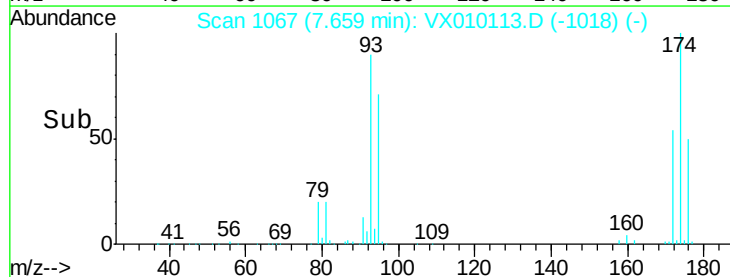
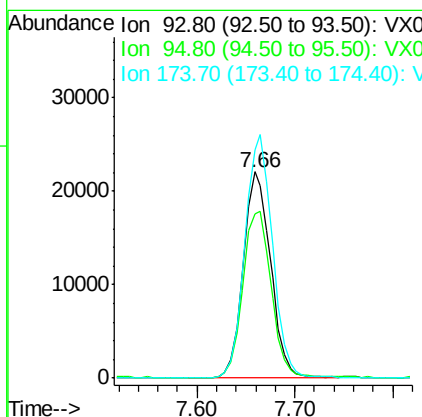
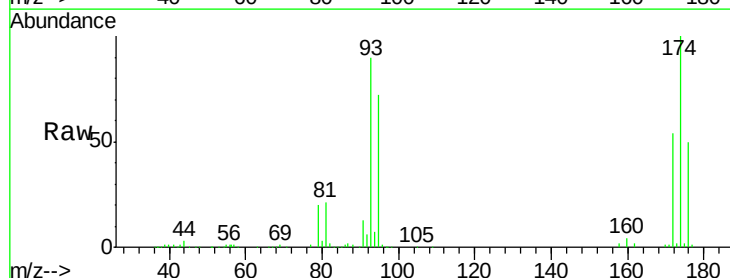
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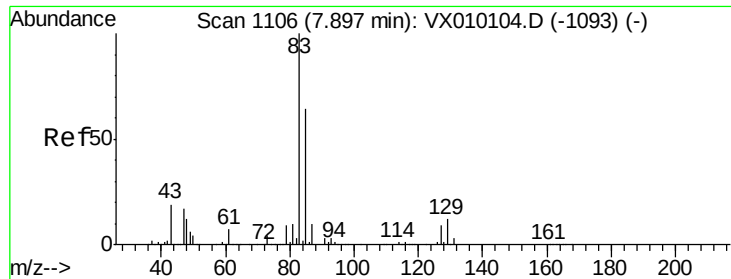
MMDadoda
 6/10/2019 10:52:56 AM



#46
 Dibromomethane
 Concen: 19.225 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX010113.D
 Acq: 07 Jun 2019 17:03

Tgt Ion: 93 Resp: 43069
 Ion Ratio Lower Upper
 93 100
 95 84.2 66.8 100.2
 174 118.2 81.9 122.9





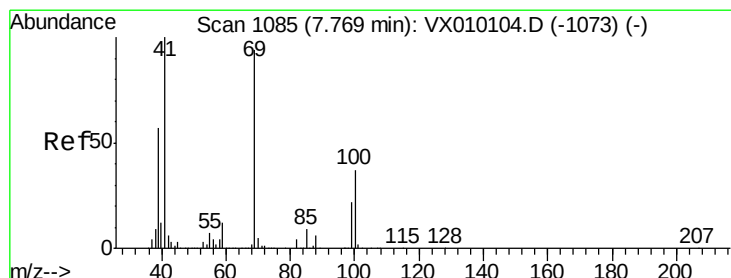
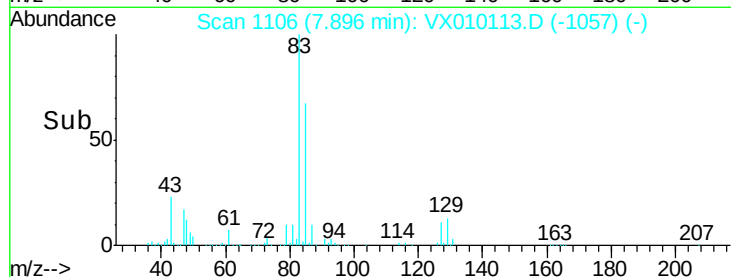
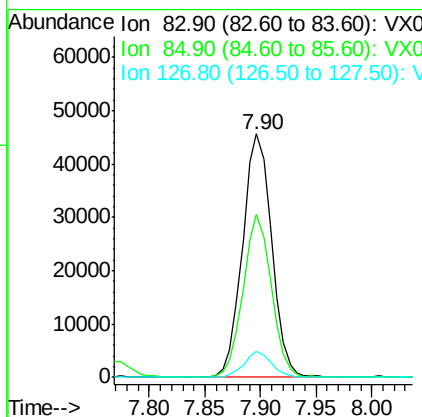
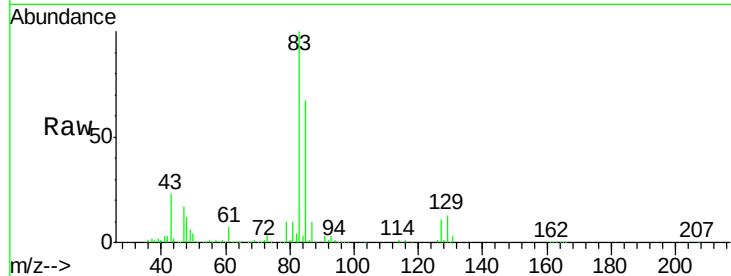
#47
Bromodichloromethane
Concen: 19.773 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VX010113.D
Acq: 07 Jun 2019 17:03

Instrument :
MSVOA_X
ClientSampleId :
VX0607MBS01

Tot Ion	Ratio	Lower	Upper
83	100		
85	66.9	51.4	77.2
127	10.5	6.4	9.6#

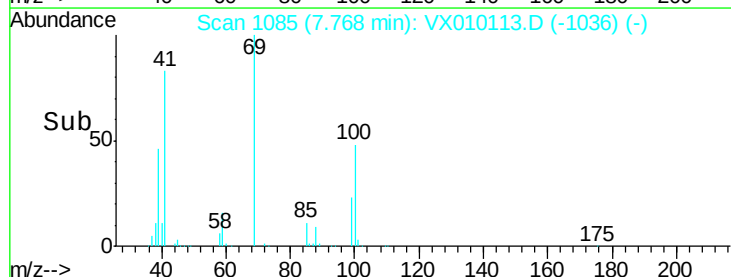
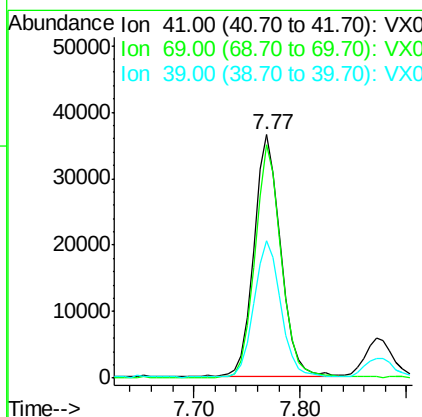
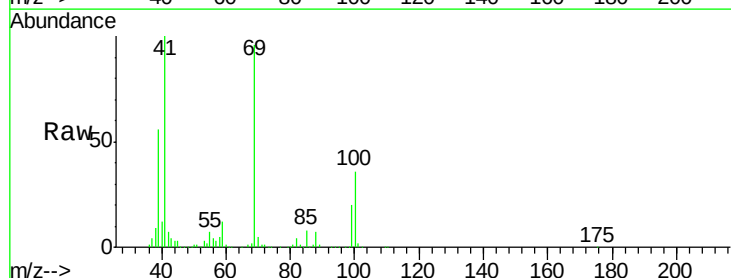
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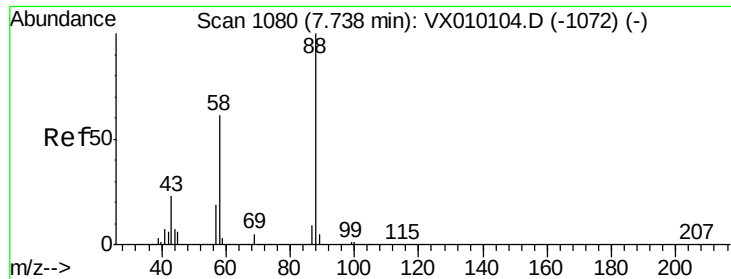
MMDadoda
6/10/2019 10:52:56 AM



#48
Methyl methacrylate
Concen: 20.402 ug/l
RT: 7.77 min Scan# 1085
Delta R.T. -0.00 min
Lab File: VX010113.D
Acq: 07 Jun 2019 17:03

Tgt Ion	Ratio	Lower	Upper
41	100		
69	94.8	56.4	84.6#
39	56.4	40.6	60.8





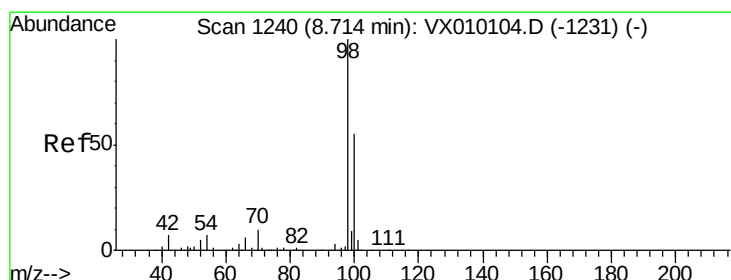
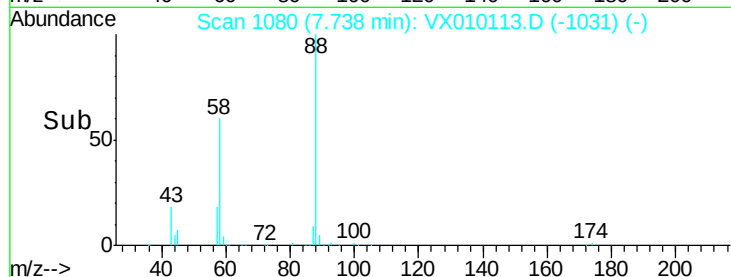
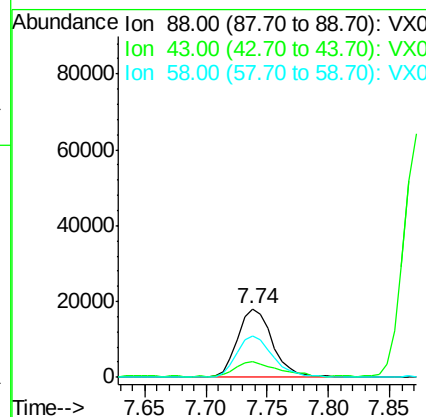
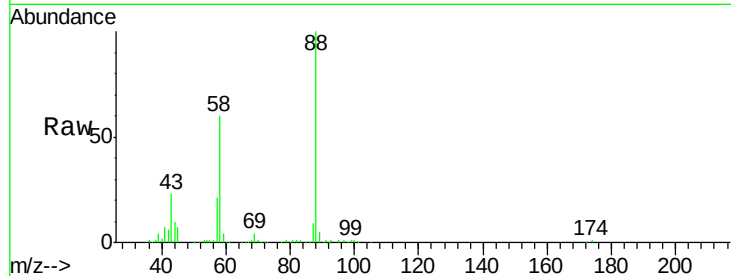
#49
1,4-Dioxane
Concen: 401.791 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX010113.D
Acq: 07 Jun 2019 17:03

Instrument :
MSVOA_X
ClientSampleId :
VX0607MBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	24.9	30.2	45.4#
58	63.3	64.0	96.0#

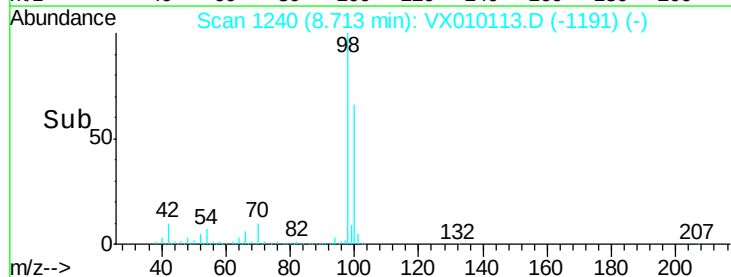
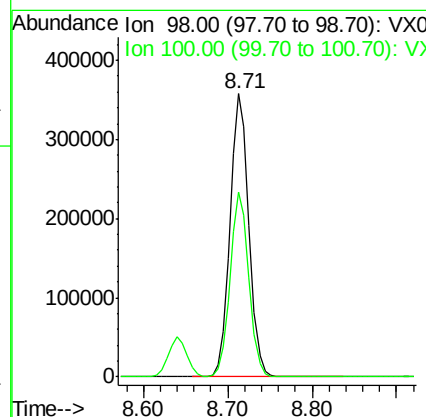
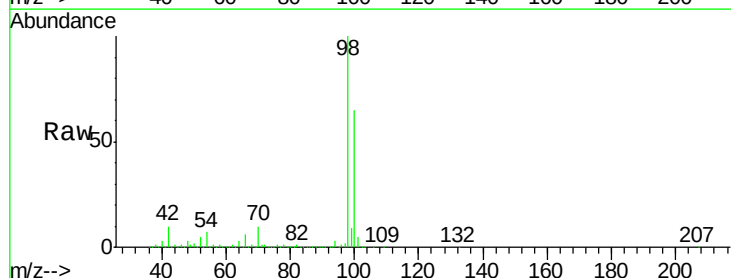
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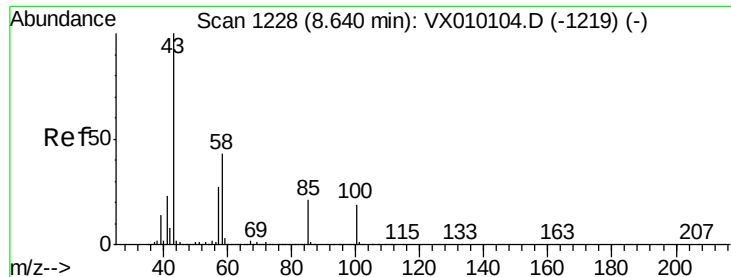
MMDadoda
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#50
Toluene-d8
Concen: 50.007 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010113.D
Acq: 07 Jun 2019 17:03

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	51.5	77.3





#51

4-Methyl-2-Pentanone

Concen: 104.340 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX010113.D

Acq: 07 Jun 2019 17:03

Instrument :

MSVOA_X

ClientSampleId :

VX0607MBS01

Tot Ion: 43 Resp: 418957

Ion Ratio Lower Upper

43 100

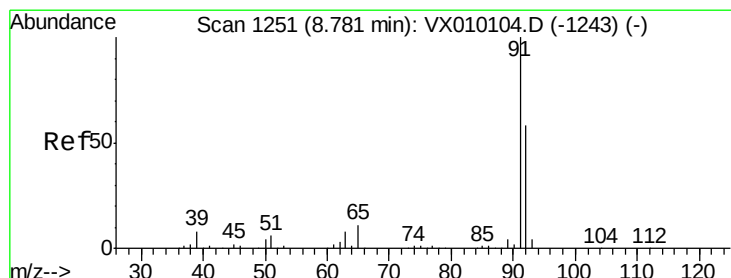
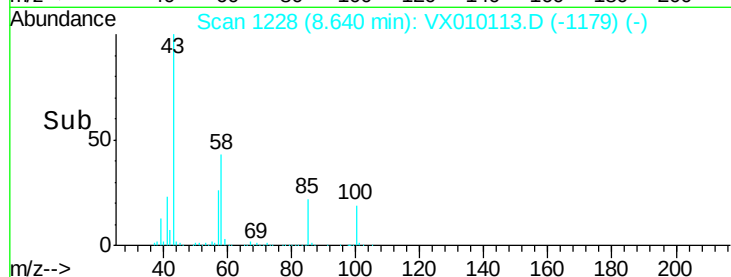
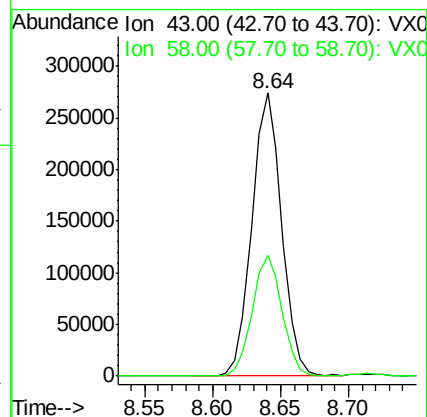
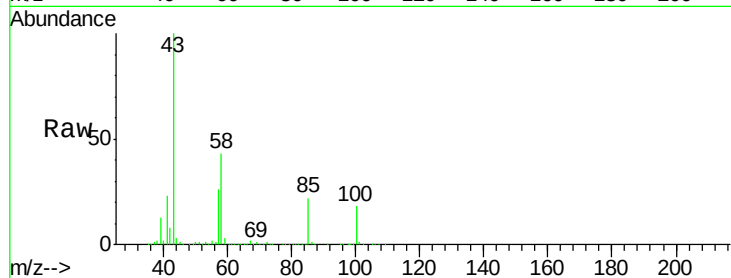
58 42.9 28.8 43.2

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#52

Toluene

Concen: 19.935 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.01 min

Lab File: VX010113.D

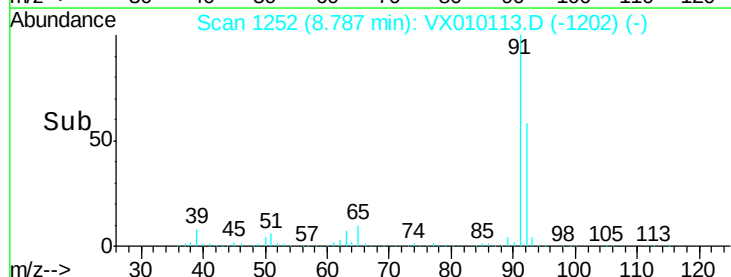
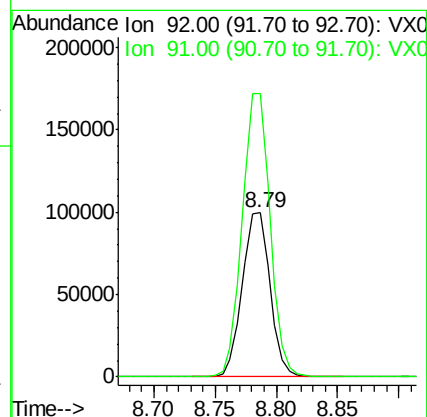
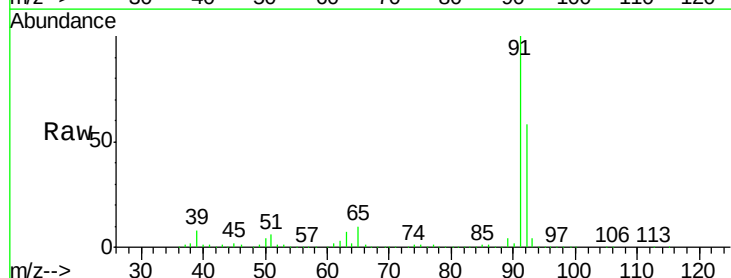
Acq: 07 Jun 2019 17:03

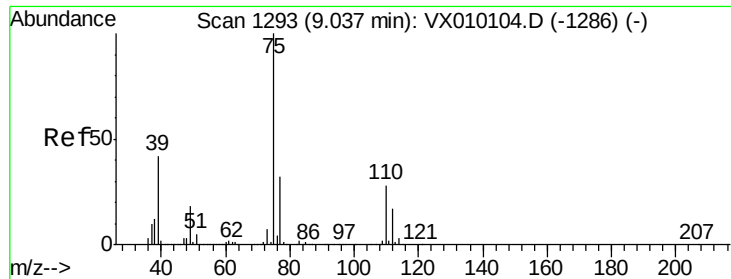
Tgt Ion: 92 Resp: 156555

Ion Ratio Lower Upper

92 100

91 173.5 139.9 209.9





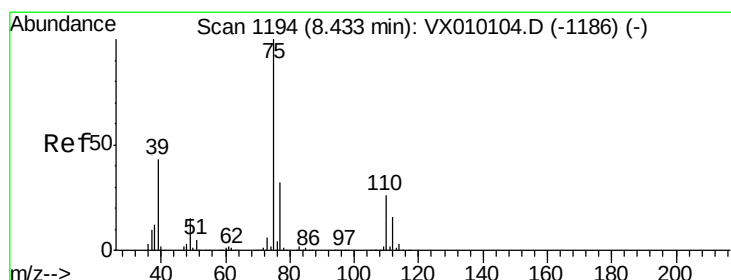
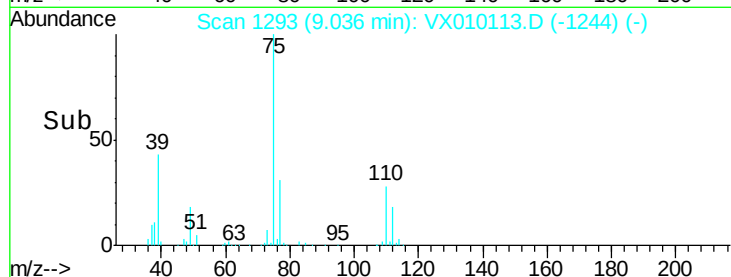
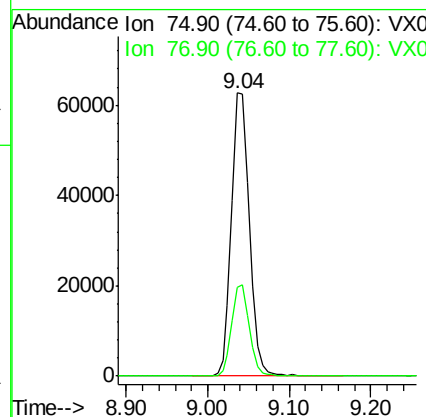
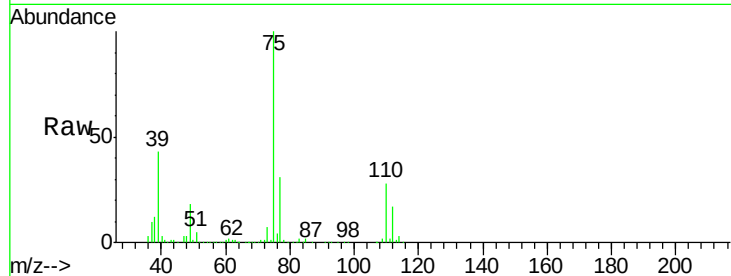
#53
t-1,3-Dichloropropene
Concen: 19.628 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. -0.00 min
Lab File: VX010113.D
Acq: 07 Jun 2019 17:03

Instrument :
MSVOA_X
ClientSampleId :
VX0607MBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.1	24.6	36.8

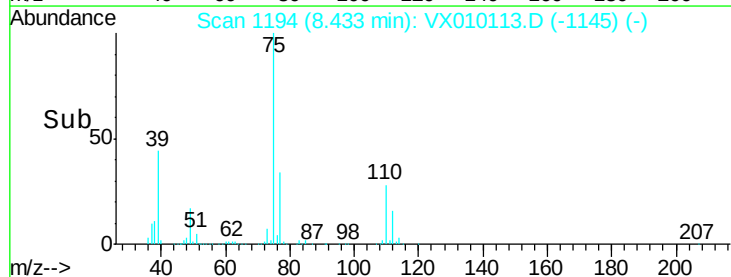
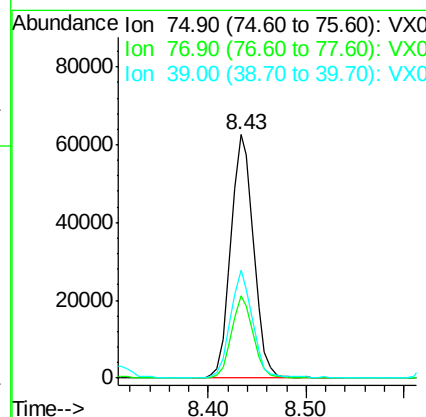
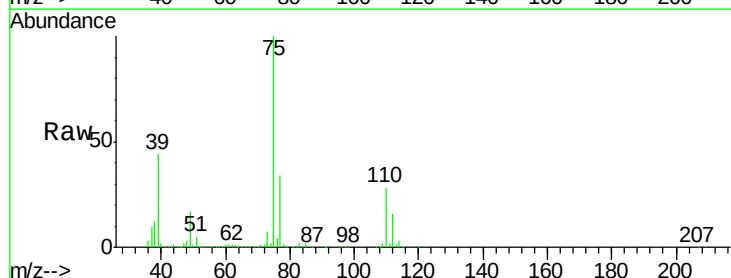
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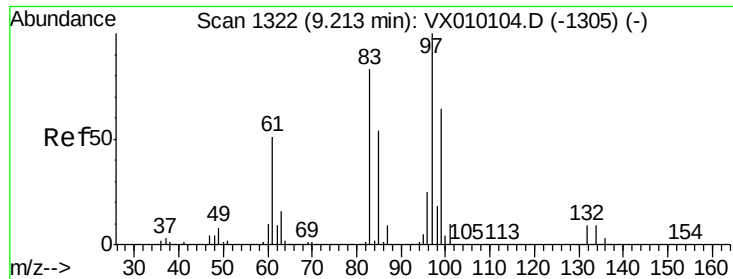
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#54
cis-1,3-Dichloropropene
Concen: 19.552 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX010113.D
Acq: 07 Jun 2019 17:03

Tgt Ion	Ratio	Lower	Upper
75	100		
77	33.8	24.8	37.2
39	43.9	43.4	65.0





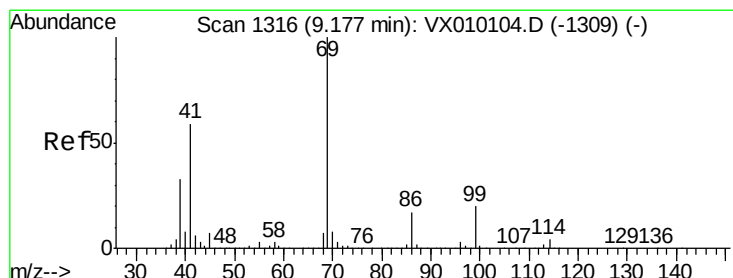
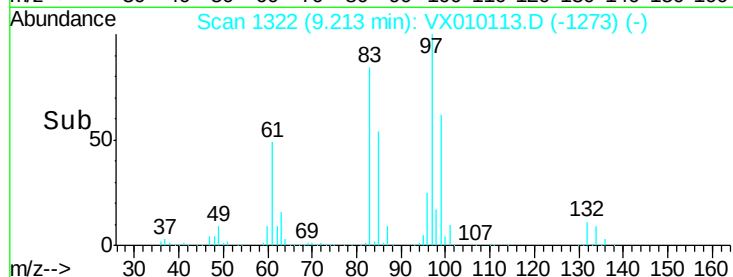
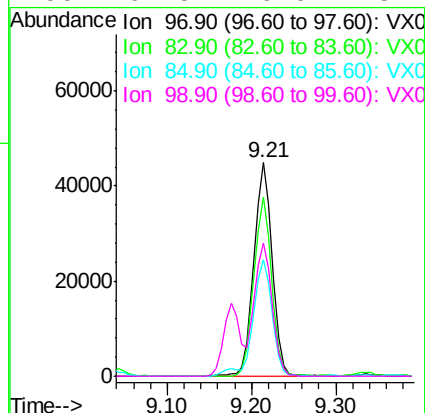
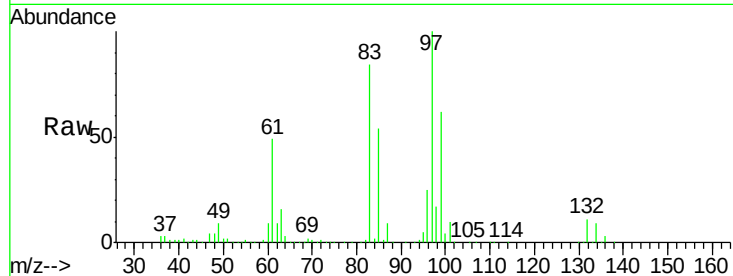
#55
 1,1,2-Trichloroethane
 Concen: 20.229 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX010113.D
 Acq: 07 Jun 2019 17:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0607MBS01

Tot Ion:	97	Resp:	65061
Ion	Ratio	Lower	Upper
97	100		
83	83.9	69.8	104.8
85	54.4	45.3	67.9
99	62.5	49.0	73.4

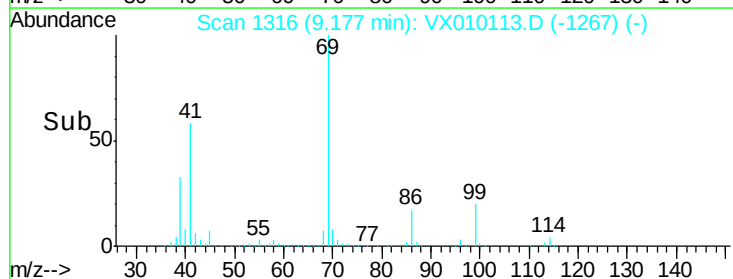
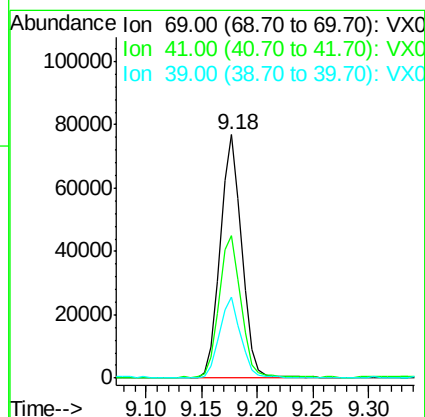
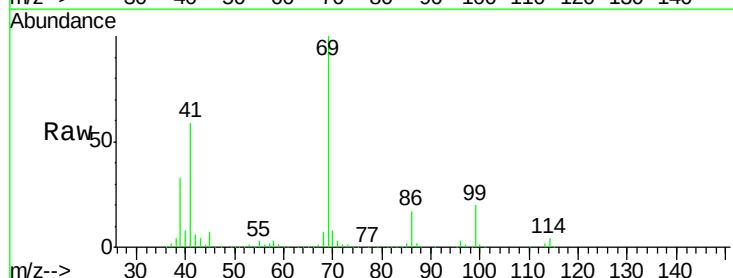
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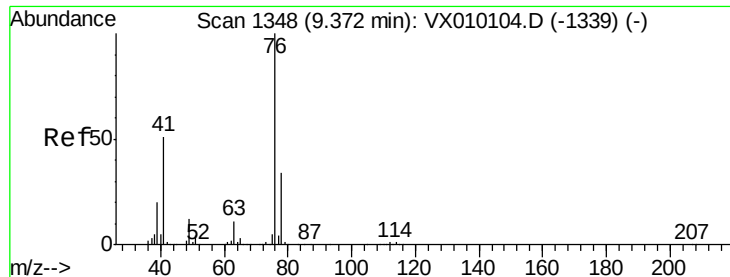
MMDadoda
 6/10/2019 10:52:56 AM



#56
 Ethyl methacrylate
 Concen: 20.171 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX010113.D
 Acq: 07 Jun 2019 17:03

Tgt Ion:	69	Resp:	102479
Ion	Ratio	Lower	Upper
69	100		
41	60.0	62.7	94.1#
39	32.3	29.5	44.3





#57

1,3-Dichloropropane

Concen: 19.957 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX010113.D

Acq: 07 Jun 2019 17:03

Instrument :

MSVOA_X

ClientSampleId :

VX0607MBS01

Tot Ion: 76 Resp: 101052

Ion Ratio Lower Upper

76 100

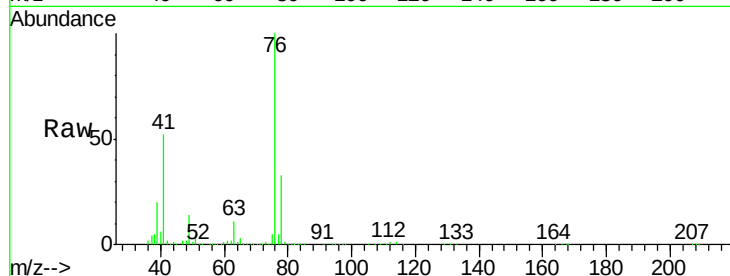
78 33.0 25.4 38.0

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

80000

60000

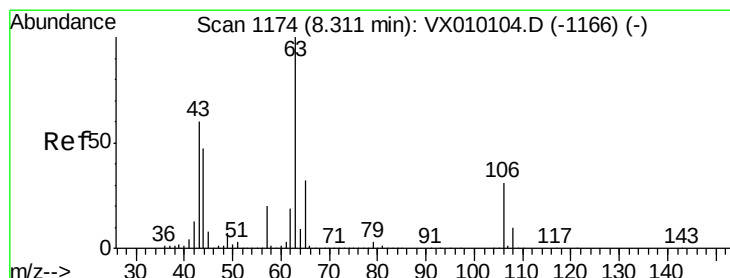
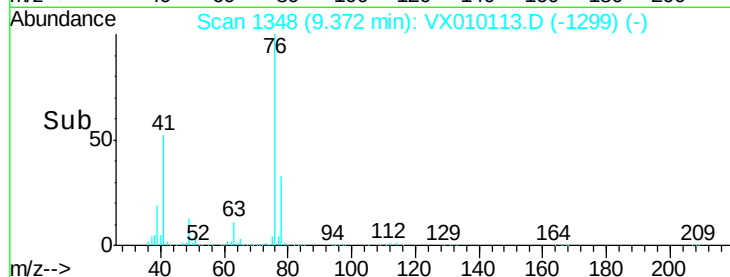
40000

20000

0

9.30 9.40 9.50

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 98.915 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX010113.D

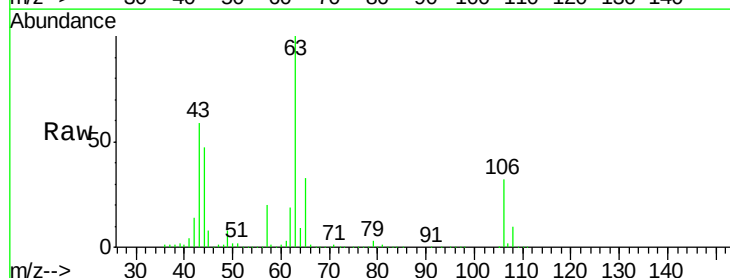
Acq: 07 Jun 2019 17:03

Tgt Ion: 63 Resp: 236912

Ion Ratio Lower Upper

63 100

106 31.3 19.4 29.2#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

150000

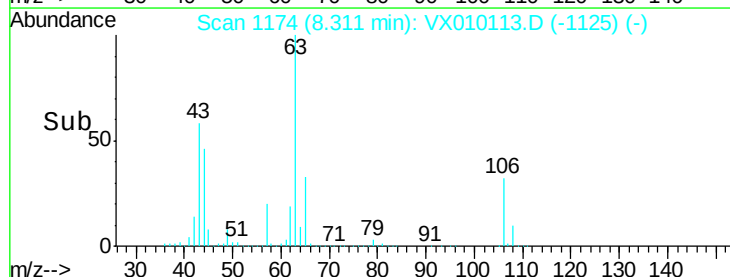
100000

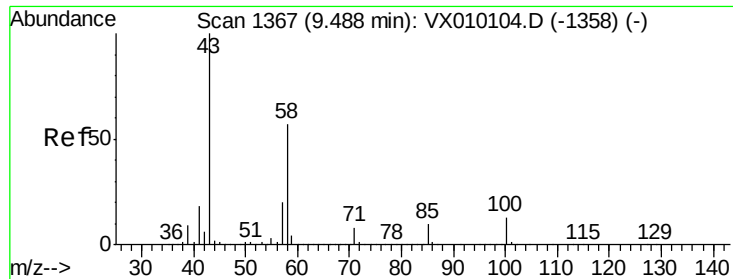
50000

0

8.20 8.30 8.40

Time-->





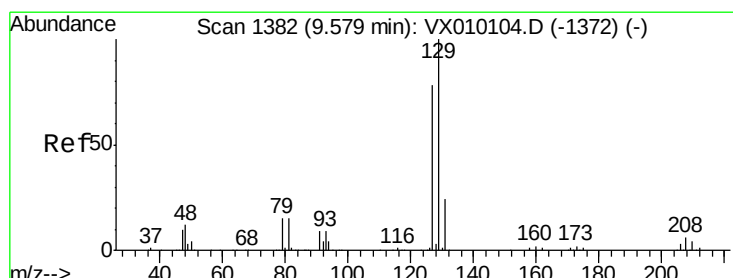
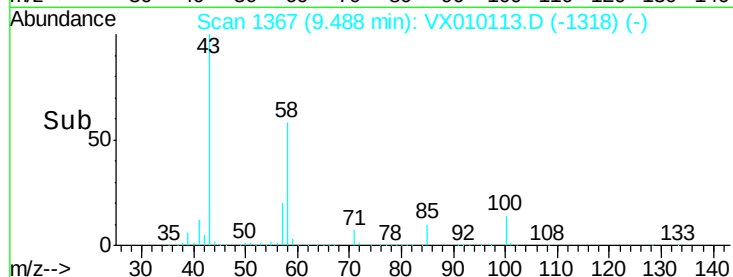
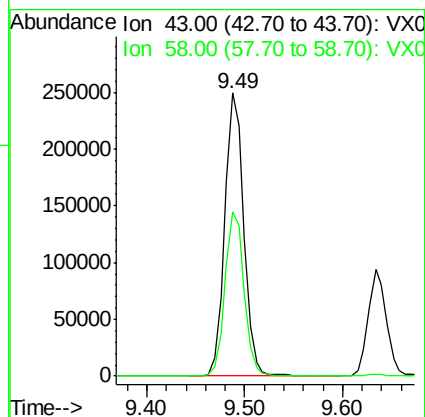
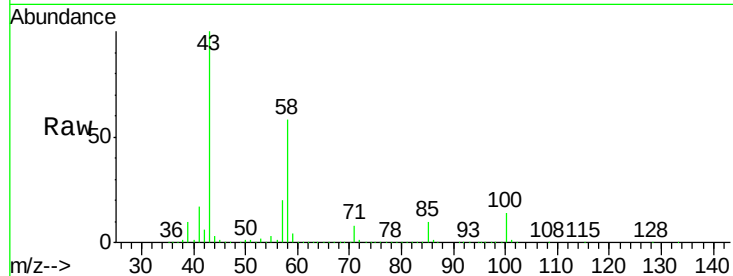
#59
2-Hexanone
Concen: 104.283 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX010113.D
Acq: 07 Jun 2019 17:03

Instrument :
MSVOA_X
ClientSampleId :
VX0607MBS01

Tot Ion: 43 Resp: 333857
Ion Ratio Lower Upper
43 100
58 58.6 25.1 75.3

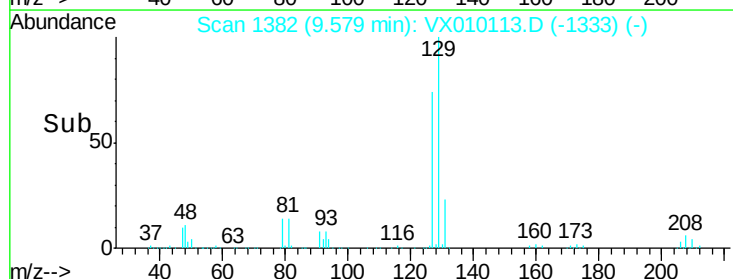
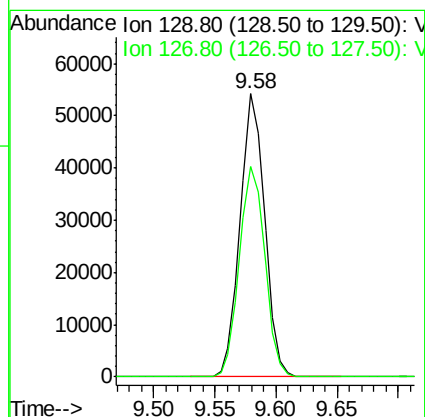
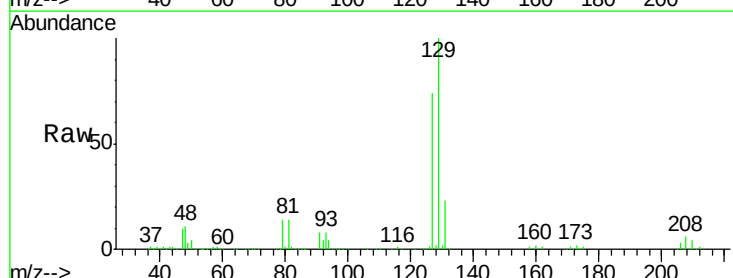
Manual Integrations
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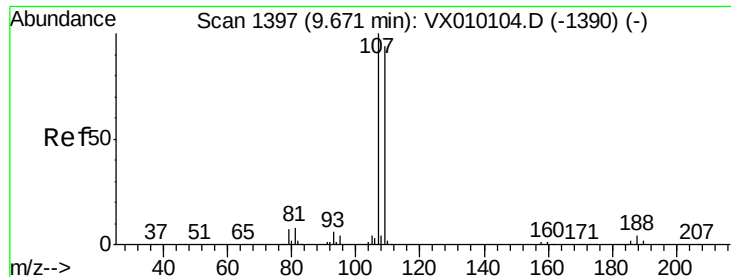
MMDadoda
6/10/2019 10:52:56 AM



#60
Dibromochloromethane
Concen: 19.869 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX010113.D
Acq: 07 Jun 2019 17:03

Tgt Ion: 129 Resp: 75589
Ion Ratio Lower Upper
129 100
127 76.9 38.5 115.5





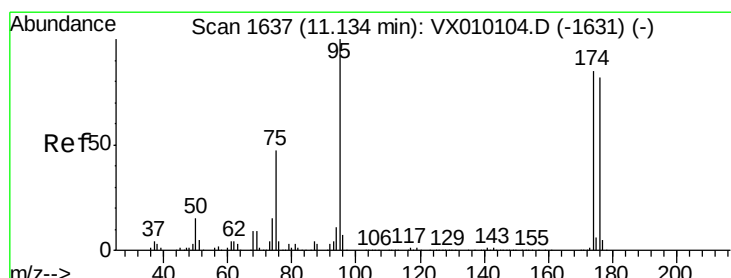
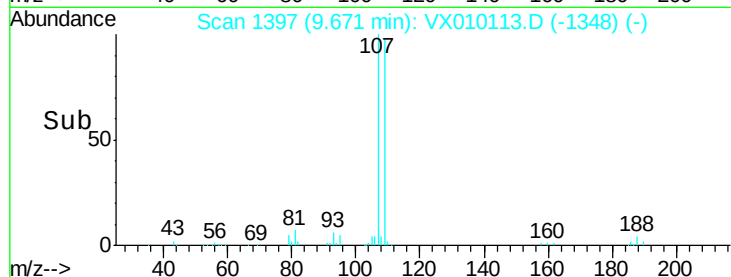
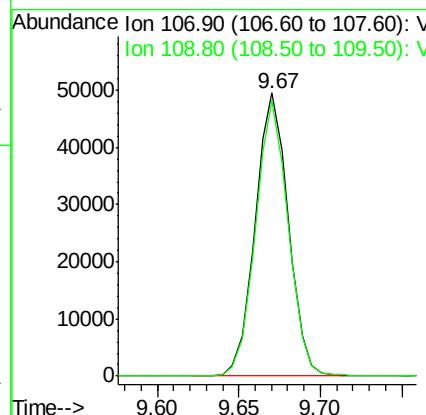
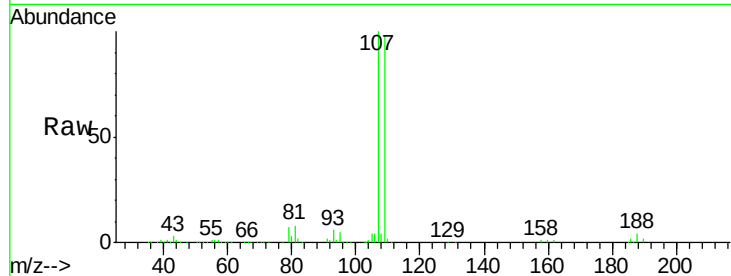
#61
 1,2-Dibromoethane
 Concen: 19.519 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. -0.00 min
 Lab File: VX010113.D
 Acq: 07 Jun 2019 17:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0607MBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.8	75.4	113.2

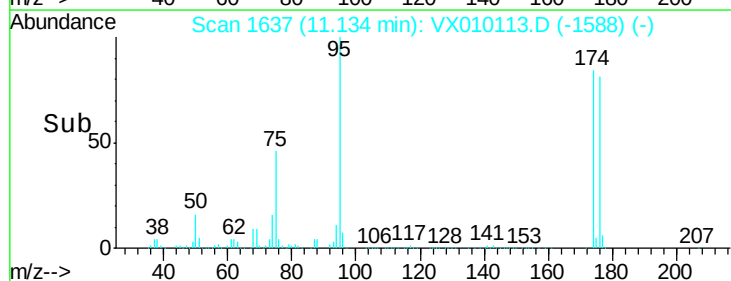
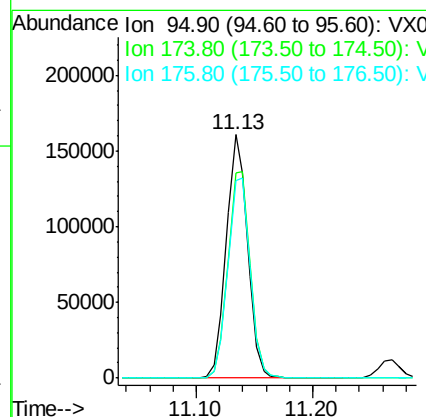
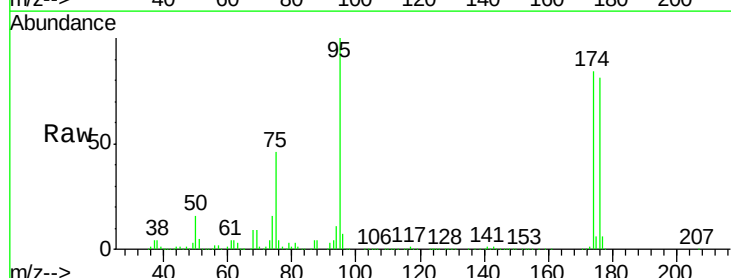
Manual Integrations
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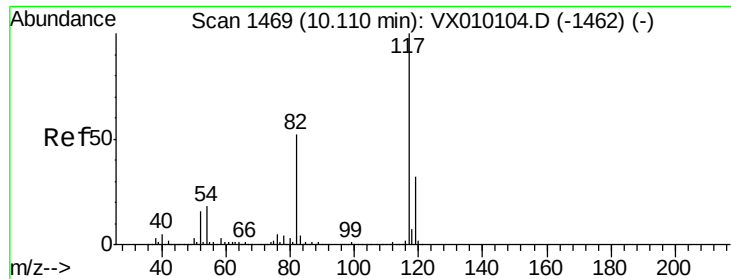
MMDadoda
 6/10/2019 10:52:56 AM



#62
 4-Bromofluorobenzene
 Concen: 49.572 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VX010113.D
 Acq: 07 Jun 2019 17:03

Tgt Ion	Ratio	Lower	Upper
95	100		
174	88.9	0.0	160.4
176	86.2	0.0	154.6





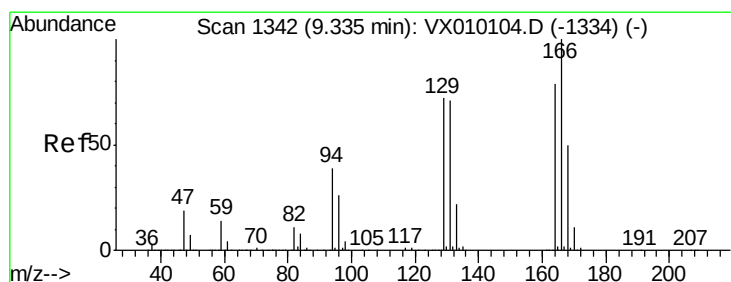
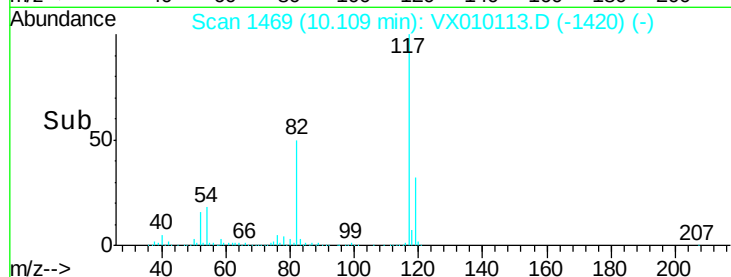
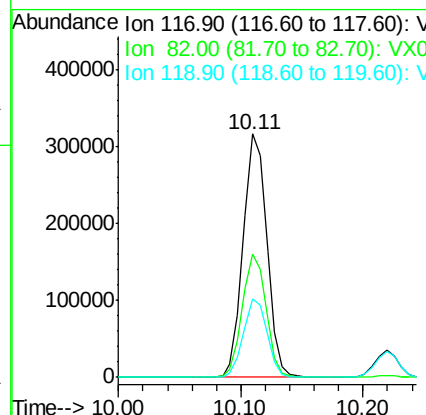
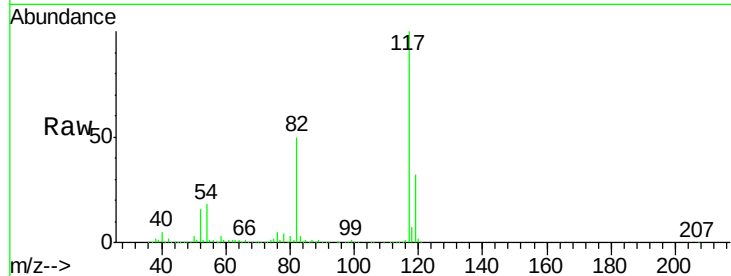
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX010113.D
Acq: 07 Jun 2019 17:03

Instrument :
MSVOA_X
ClientSampleId :
VX0607MBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.4	49.2	73.8
119	32.1	25.2	37.8

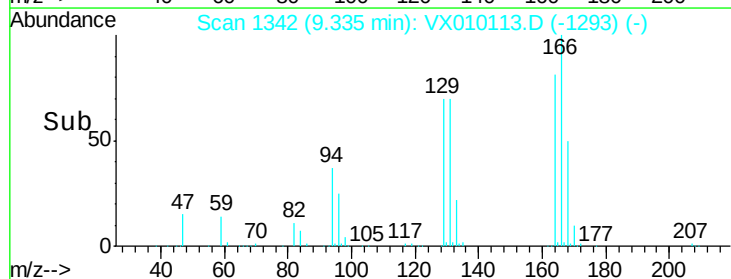
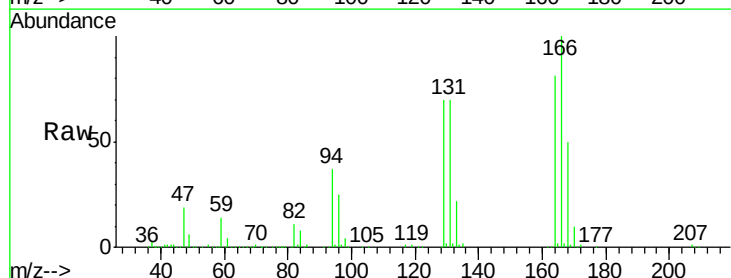
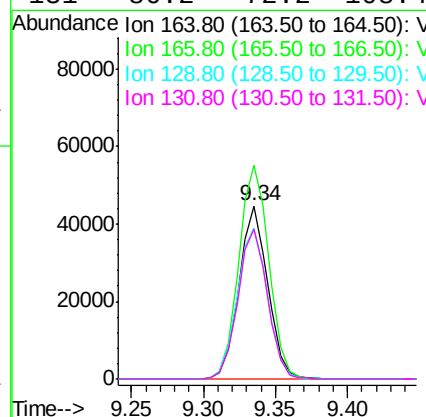
Manual Integrations
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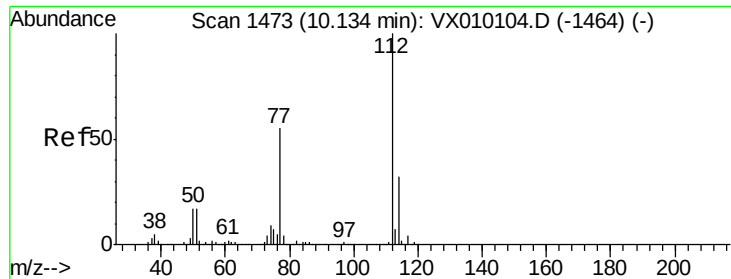
MMDadoda
6/10/2019 10:52:56 AM



#64
Tetrachloroethene
Concen: 19.760 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX010113.D
Acq: 07 Jun 2019 17:03

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.2	105.0	157.4
129	86.8	75.1	112.7
131	86.2	72.2	108.4





#65

Chlorobenzene

Concen: 20.007 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.00 min

Lab File: VX010113.D

Acq: 07 Jun 2019 17:03

Instrument :

MSVOA_X

ClientSampleId :

VX0607MBS01

Tot Ion:112 Resp: 175592

Ion Ratio Lower Upper

112 100

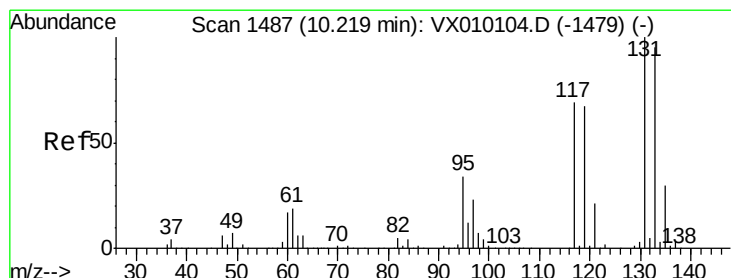
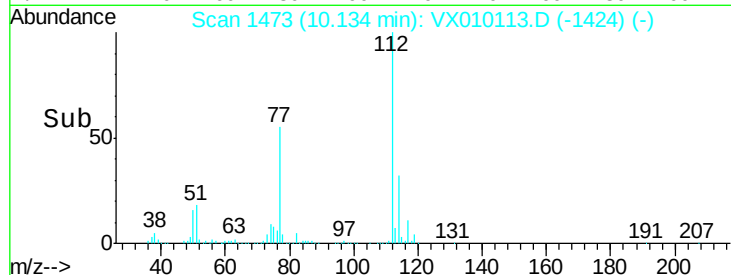
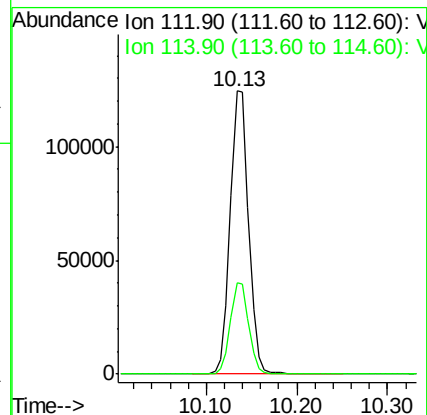
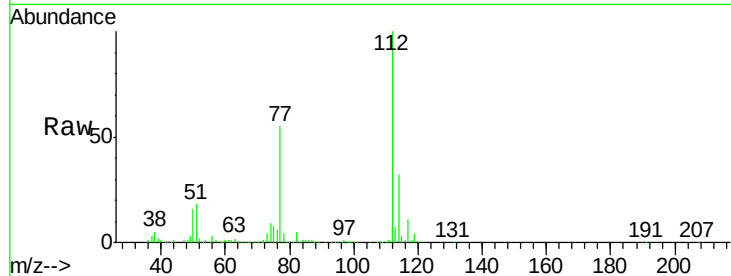
114 32.4 25.8 38.8

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 20.070 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX010113.D

Acq: 07 Jun 2019 17:03

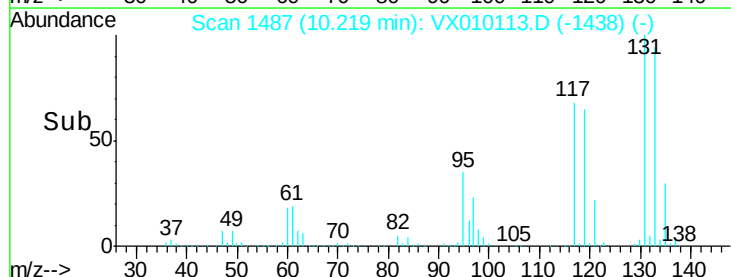
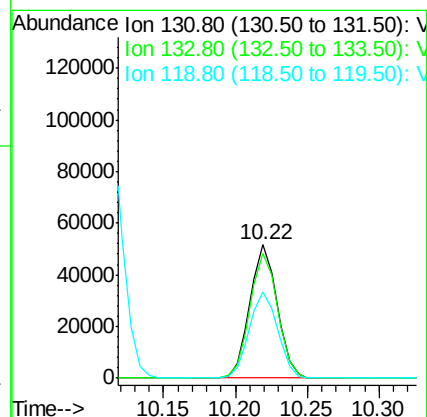
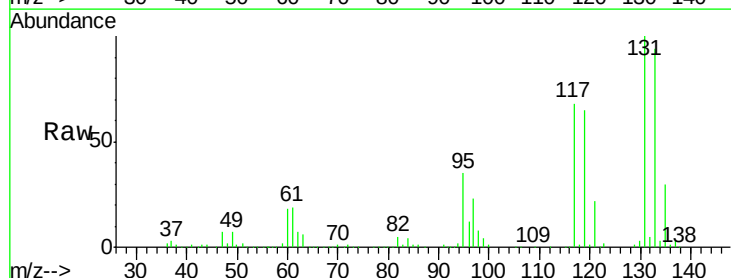
Tgt Ion:131 Resp: 67740

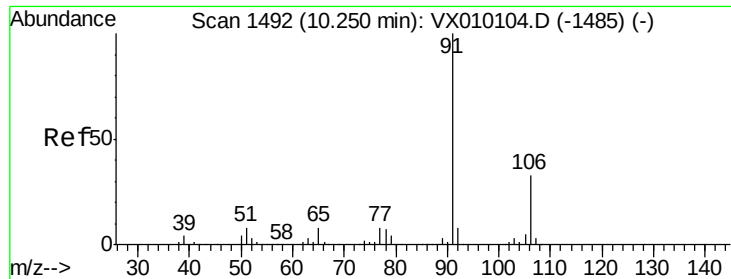
Ion Ratio Lower Upper

131 100

133 94.8 47.5 142.6

119 66.5 33.4 100.1





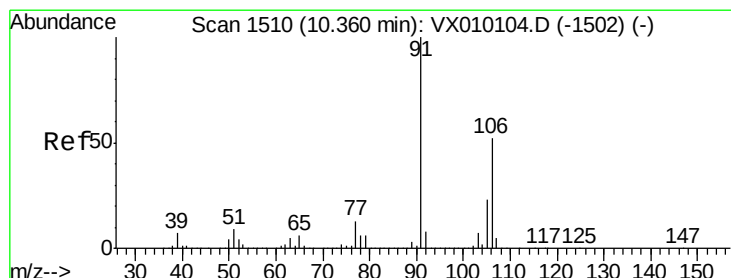
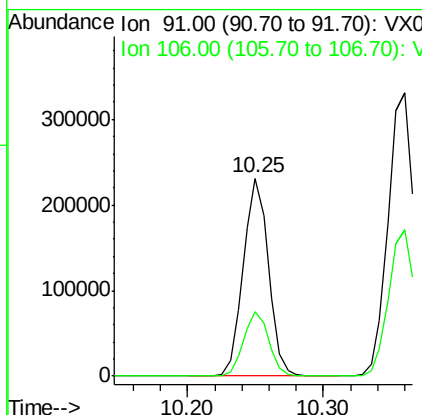
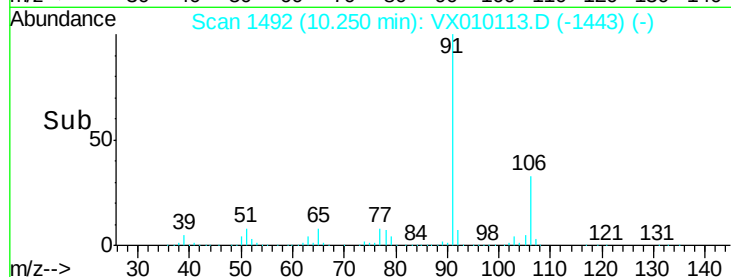
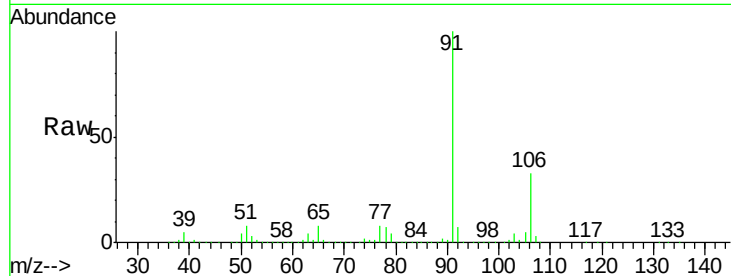
#67
Ethyl Benzene
Concen: 20.026 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX010113.D
Acq: 07 Jun 2019 17:03

Instrument :
MSVOA_X
ClientSampleId :
VX0607MBS01

Tot Ion: 91 Resp: 299213
Ion Ratio Lower Upper
91 100
106 32.7 23.9 35.9

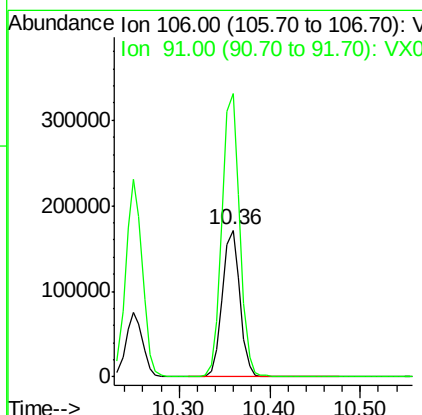
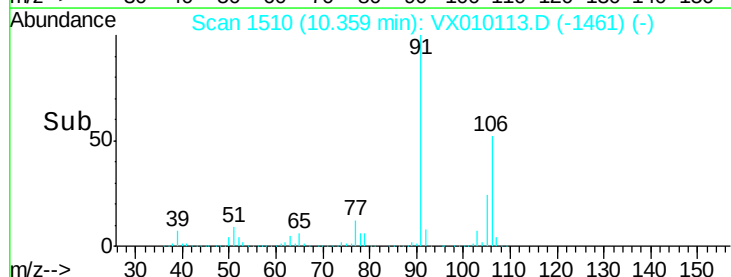
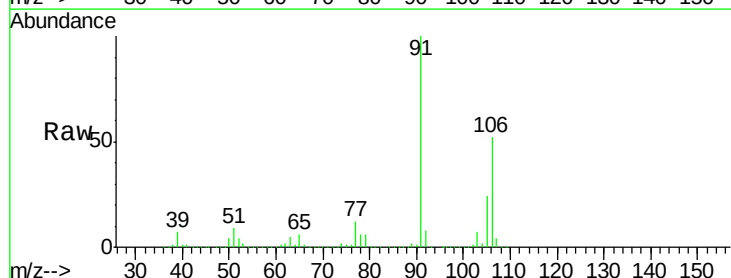
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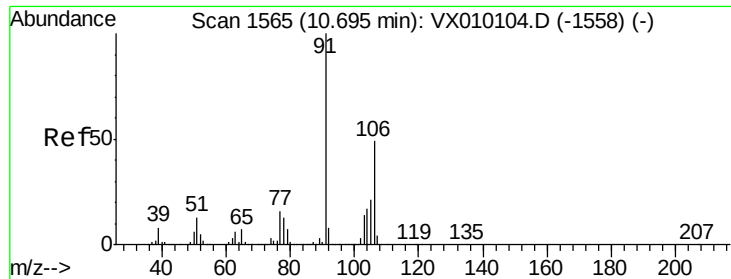
MMDadoda
6/10/2019 10:52:56 AM



#68
m/p-Xylenes
Concen: 40.198 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX010113.D
Acq: 07 Jun 2019 17:03

Tgt Ion: 106 Resp: 232411
Ion Ratio Lower Upper
106 100
91 194.3 167.3 250.9





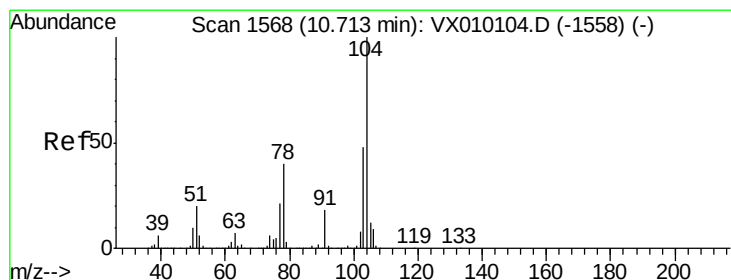
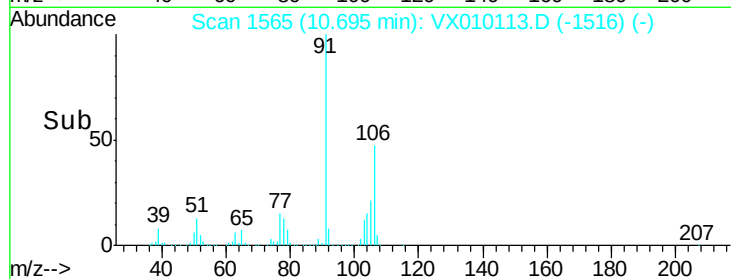
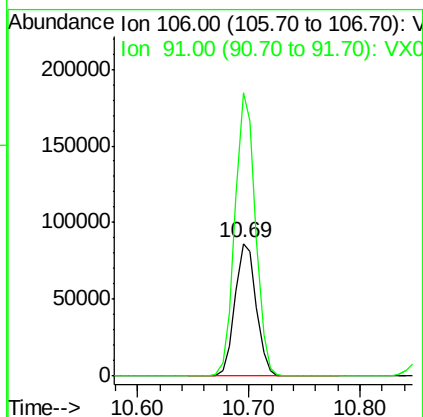
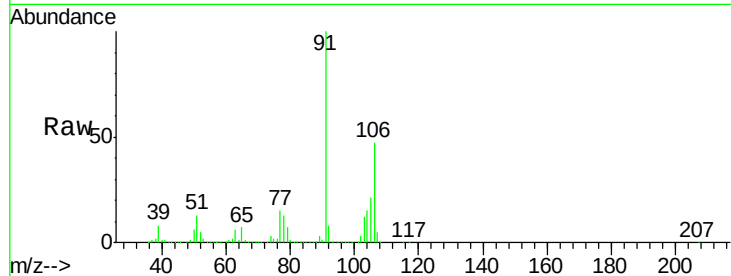
#69
o-Xylene
Concen: 19.791 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX010113.D
Acq: 07 Jun 2019 17:03

Instrument :
MSVOA_X
ClientSampleId :
VX0607MBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	206.7		113746	110.4	331.2

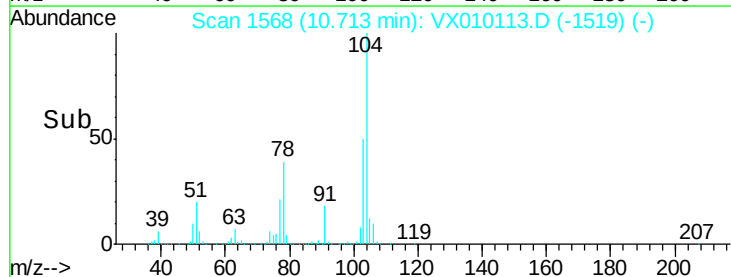
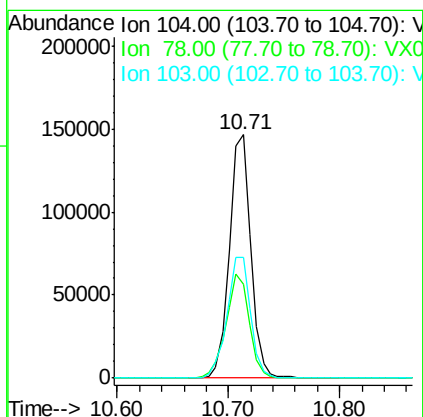
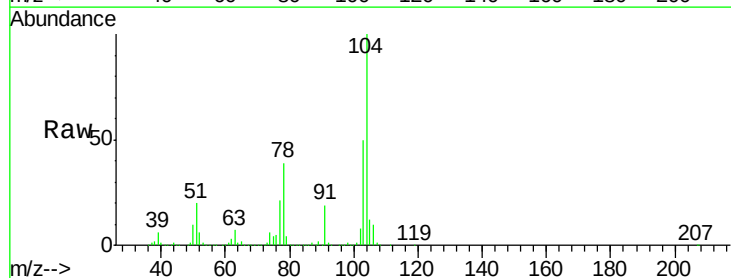
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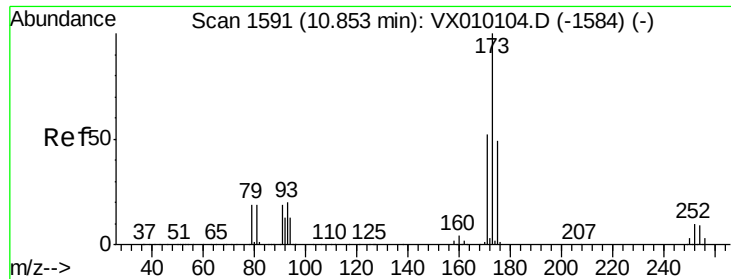
MMDadoda
6/10/2019 10:52:56 AM



#70
Styrene
Concen: 19.990 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX010113.D
Acq: 07 Jun 2019 17:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	46.8		194583	42.1	63.1
103	55.1			44.1	66.1





#71

Bromoform

Concen: 20.016 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX010113.D

Acq: 07 Jun 2019 17:03

Instrument :

MSVOA_X

ClientSampleId :

VX0607MBS01

Tot Ion:173 Resp: 62107

Ion Ratio Lower Upper

173 100

175 48.3 25.0 75.0

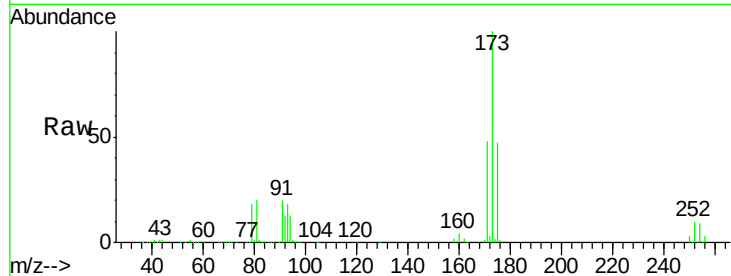
254 0.0 0.2 0.2#

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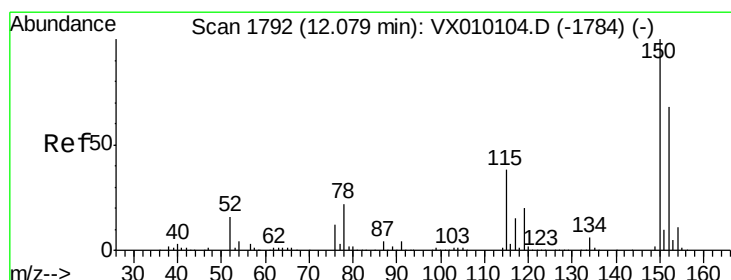
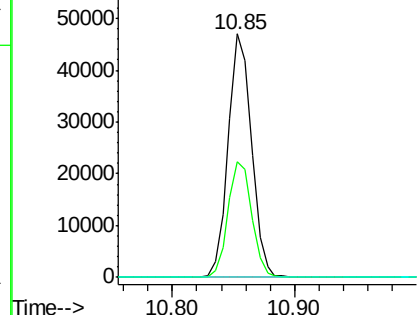
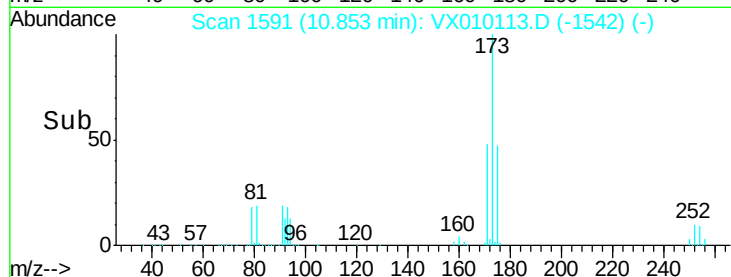
6/10/2019 10:52:56 AM



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: VX010113.D

Acq: 07 Jun 2019 17:03

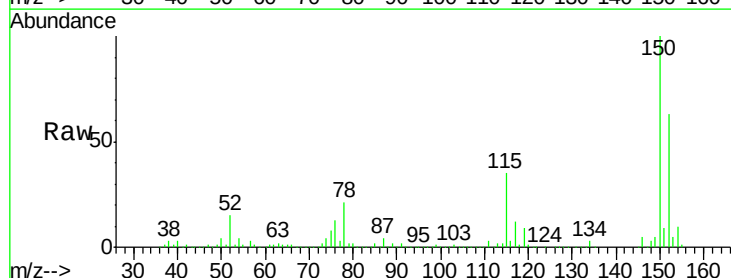
Tgt Ion:152 Resp: 210075

Ion Ratio Lower Upper

152 100

115 64.6 41.4 124.2

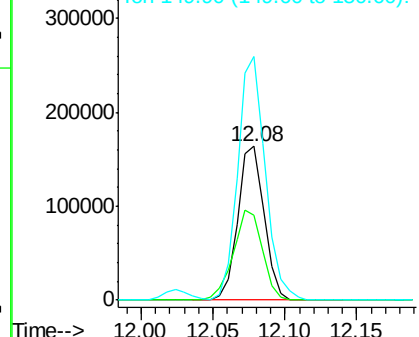
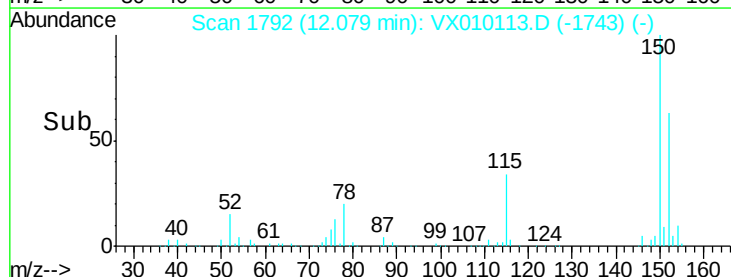
150 164.6 0.0 345.2

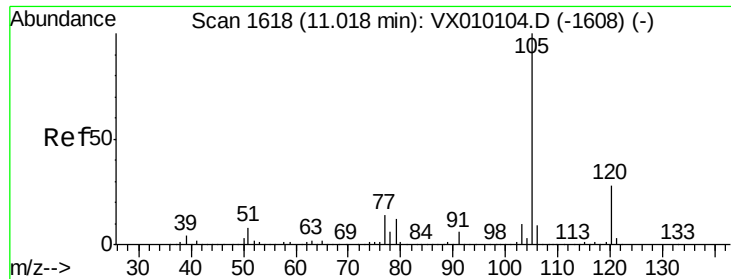


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.423 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX010113.D

Acq: 07 Jun 2019 17:03

Instrument :

MSVOA_X

ClientSampleId :

VX0607MBS01

Tot Ion:105 Resp: 299493

Ion Ratio Lower Upper

105 100

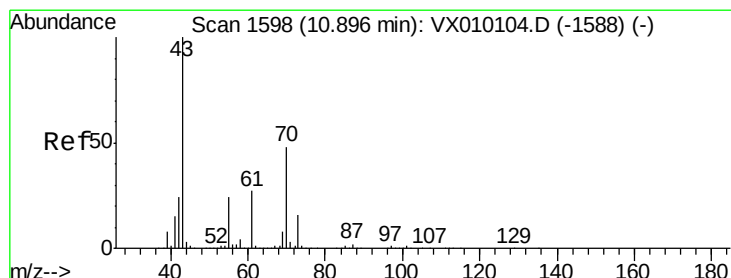
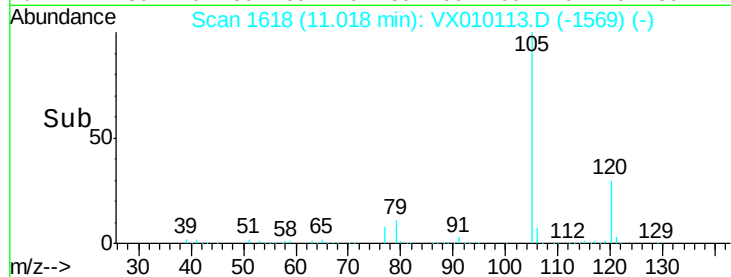
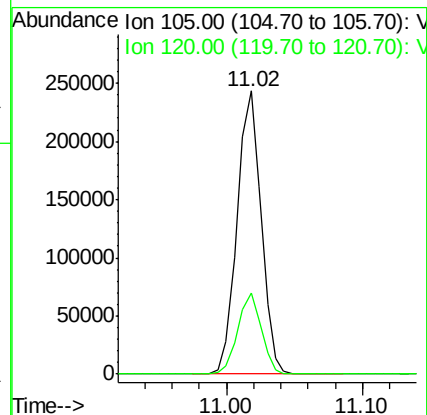
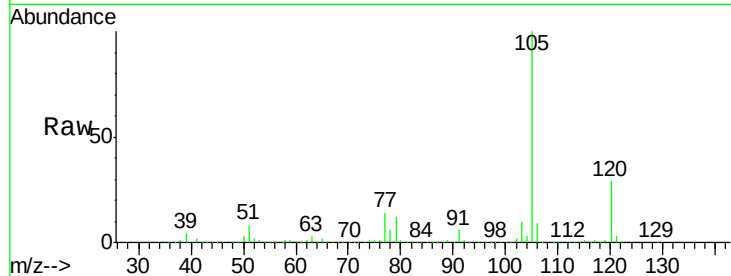
120 28.2 12.8 38.4

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#74

N-ethyl acetate

Concen: 20.503 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX010113.D

Acq: 07 Jun 2019 17:03

Tgt Ion: 43 Resp: 118856

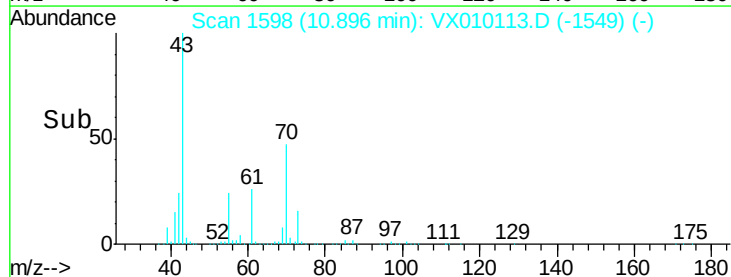
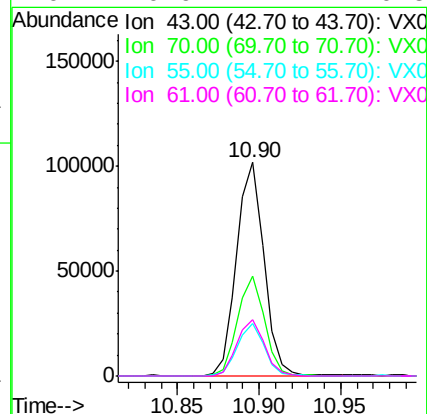
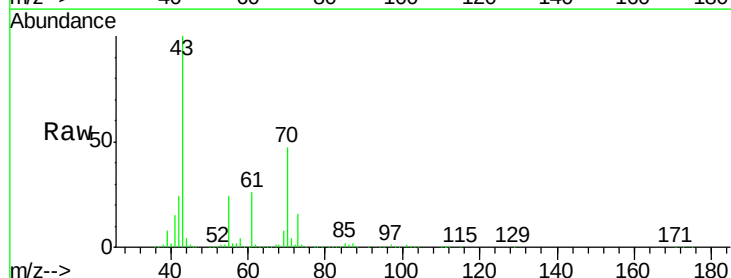
Ion Ratio Lower Upper

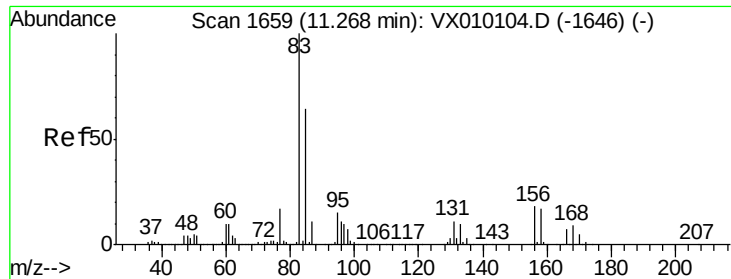
43 100

70 46.4 28.6 43.0#

55 23.6 17.8 26.8

61 26.9 17.7 26.5#





#75

1,1,2,2-Tetrachloroethane

Concen: 20.608 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX010113.D

Acq: 07 Jun 2019 17:03

Instrument :

MSVOA_X

ClientSampleId :

VX0607MBS01

Tot Ion: 83 Resp: 103450

Ion Ratio Lower Upper

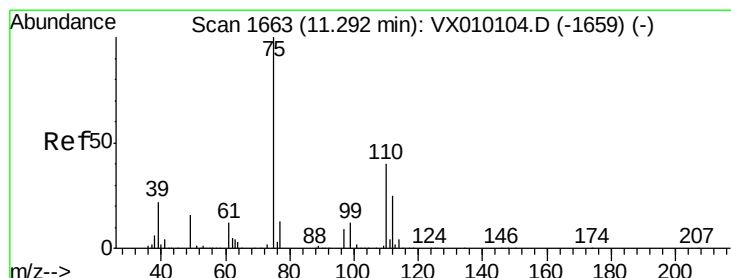
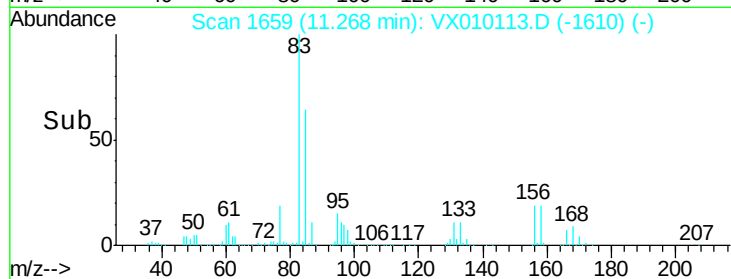
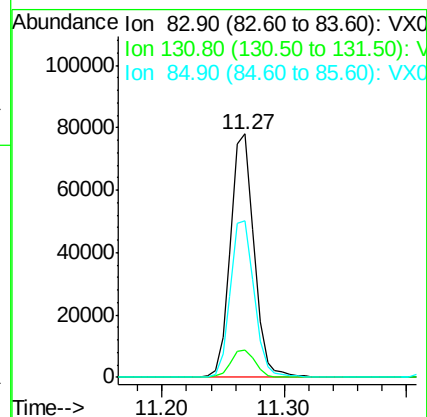
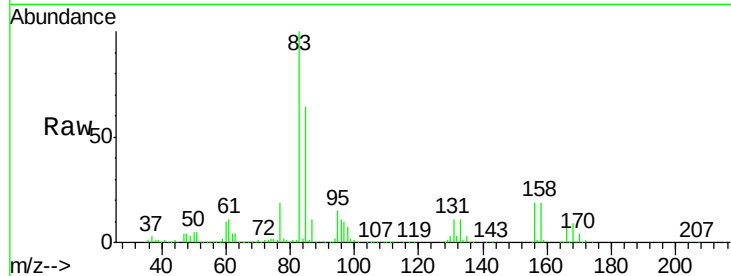
83 100

131 11.5 4.7 14.1

85 65.4 31.9 95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.152 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

Lab File: VX010113.D

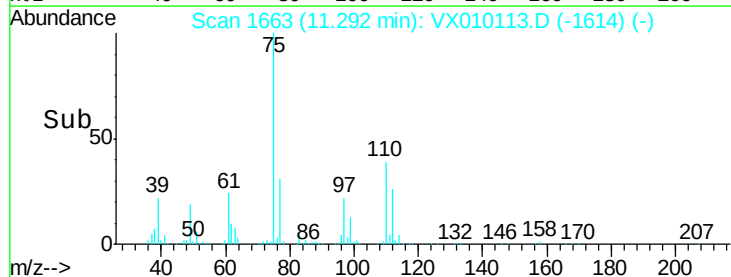
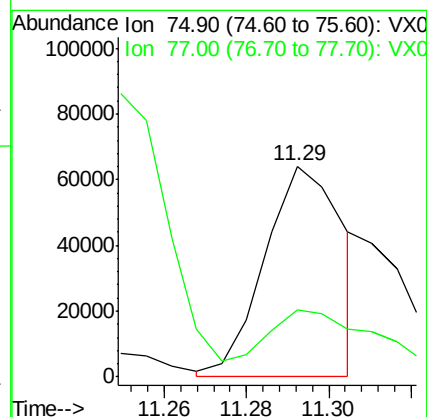
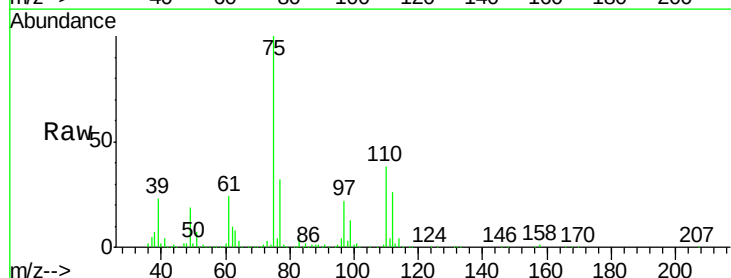
Acq: 07 Jun 2019 17:03

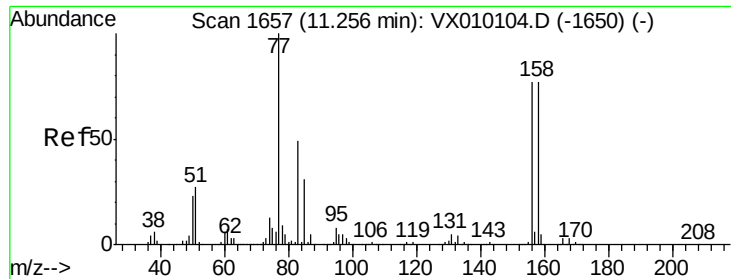
Tgt Ion: 75 Resp: 84675

Ion Ratio Lower Upper

75 100

77 46.1 22.1 66.1





#77

Bromobenzene

Concen: 20.149 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX010113.D

Acq: 07 Jun 2019 17:03

Instrument :

MSVOA_X

ClientSampleId :

VX0607MBS01

Tot Ion:156 Resp: 81255

Ion Ratio Lower Upper

156 100

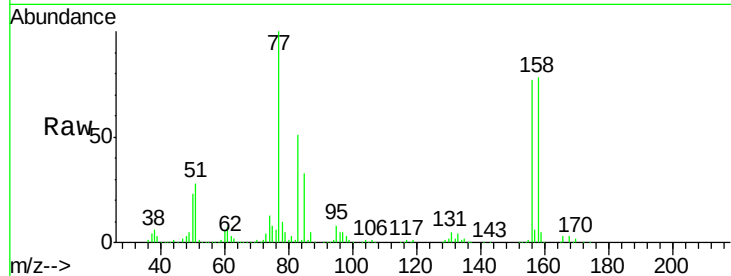
77 138.1 86.8 260.3

158 98.8 49.6 148.8

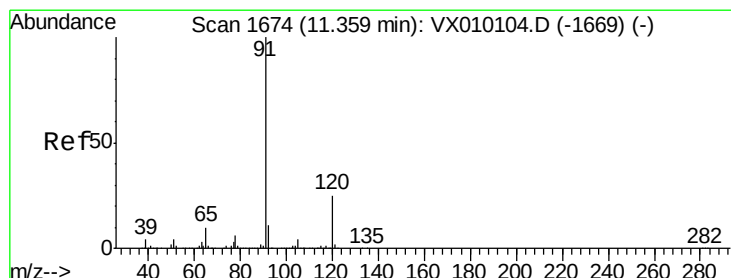
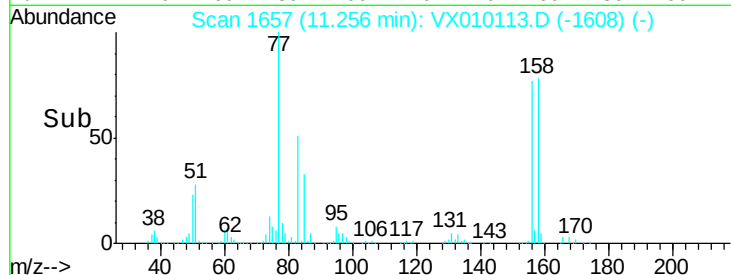
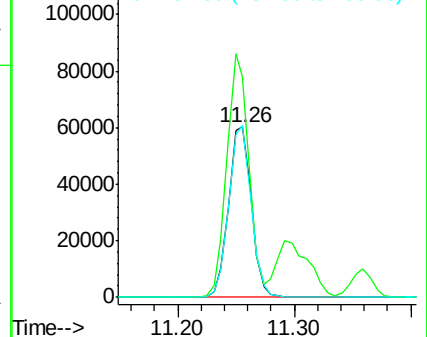
Manual Integrations
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Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VX0
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.045 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX010113.D

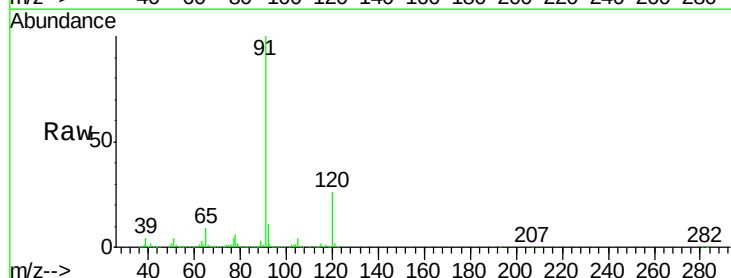
Acq: 07 Jun 2019 17:03

Tgt Ion: 91 Resp: 327247

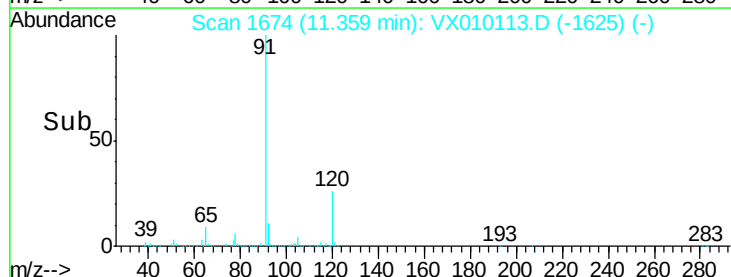
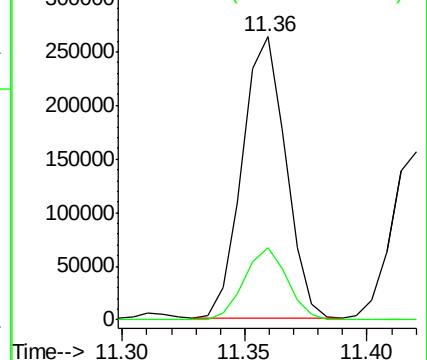
Ion Ratio Lower Upper

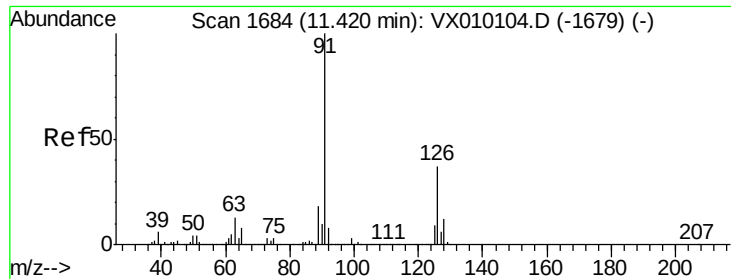
91 100

120 25.2 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: 20.034 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX010113.D

Acq: 07 Jun 2019 17:03

Instrument :

MSVOA_X

ClientSampleId :

VX0607MBS01

Tot Ion: 91 Resp: 196441

Ion Ratio Lower Upper

91 100

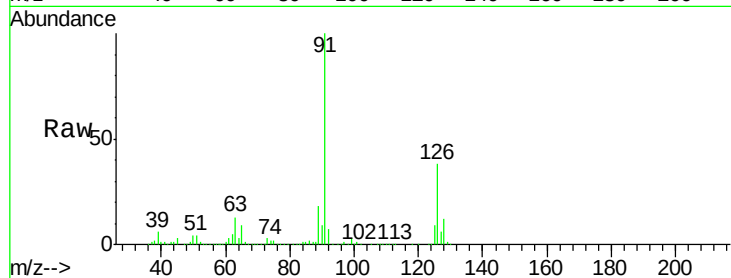
126 37.1 16.1 48.3

Manual Integrations

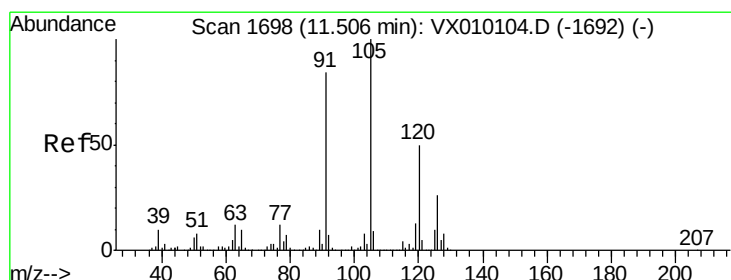
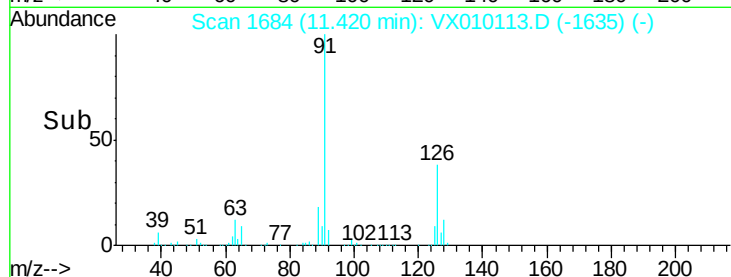
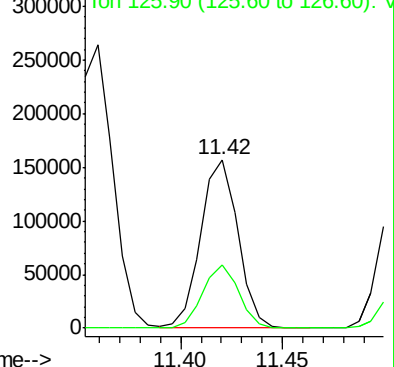
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Abundance Ion 91.00 (90.70 to 91.70): VX010104.D (-1679) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.197 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX010113.D

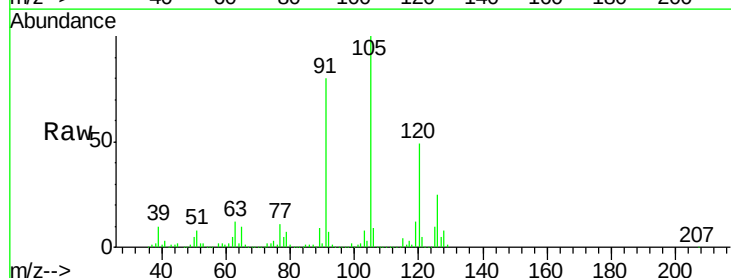
Acq: 07 Jun 2019 17:03

Tgt Ion: 105 Resp: 249458

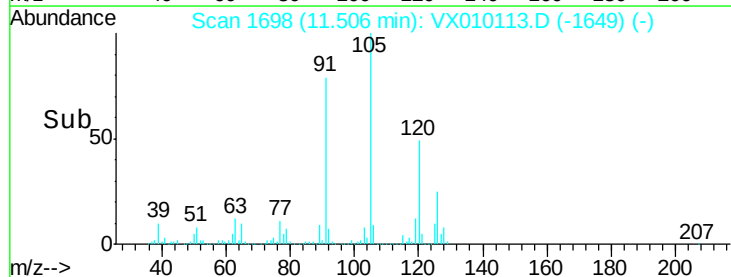
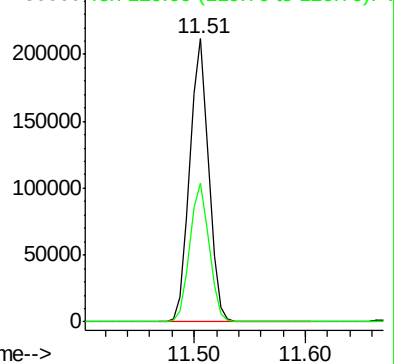
Ion Ratio Lower Upper

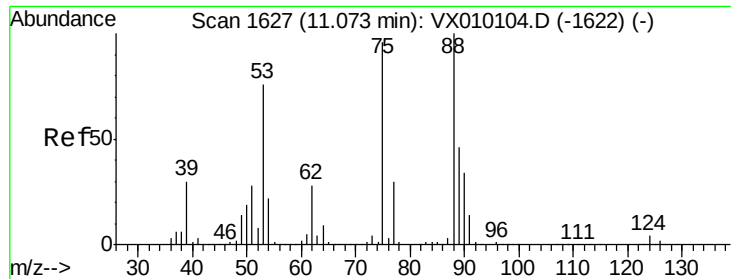
105 100

120 49.9 24.1 72.3



Abundance Ion 105.00 (104.70 to 105.70): VX010104.D (-1692) (-)





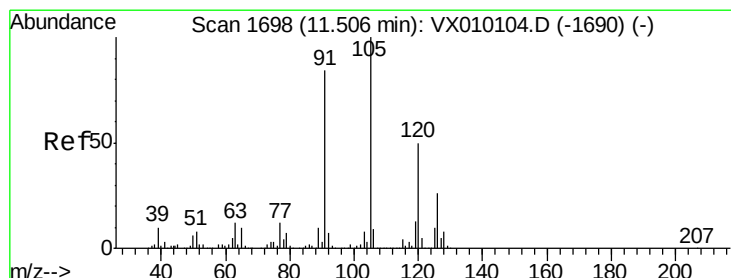
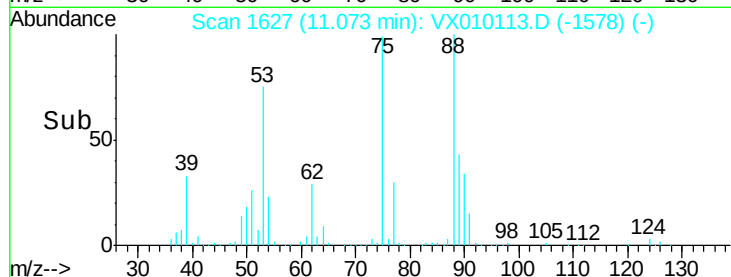
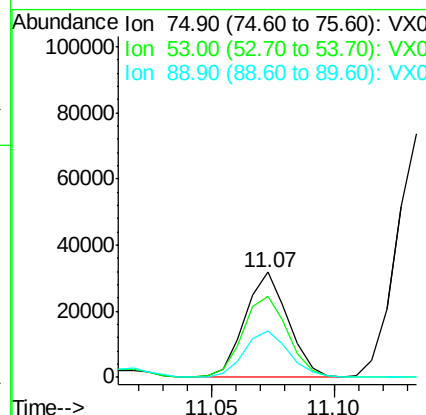
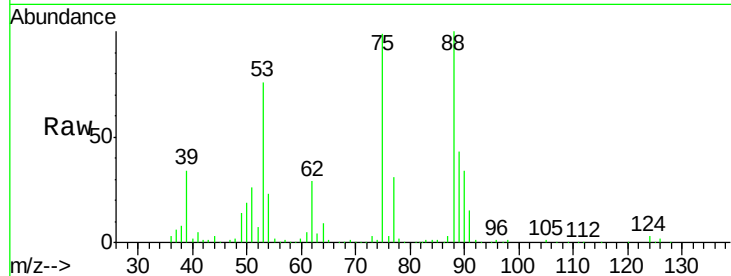
#81
trans-1,4-Dichloro-2-butene
Concen: 20.384 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX010113.D
Acq: 07 Jun 2019 17:03

Instrument :
MSVOA_X
ClientSampleId :
VX0607MBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	79.8	79.8	119.6
89	45.6	34.2	51.4

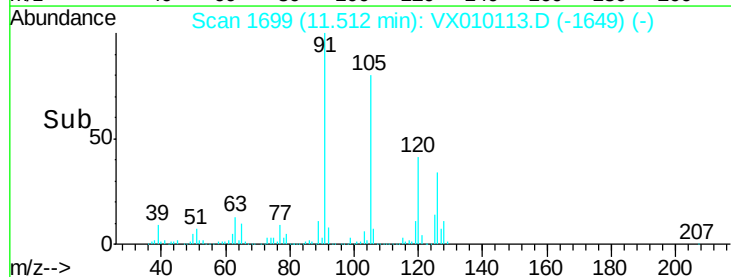
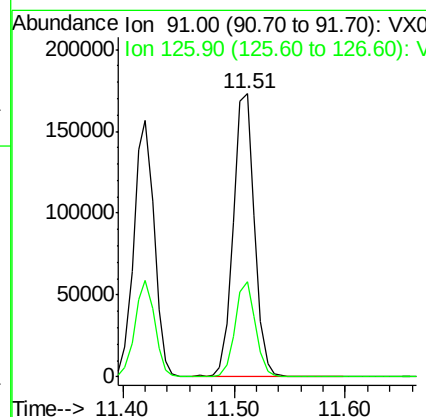
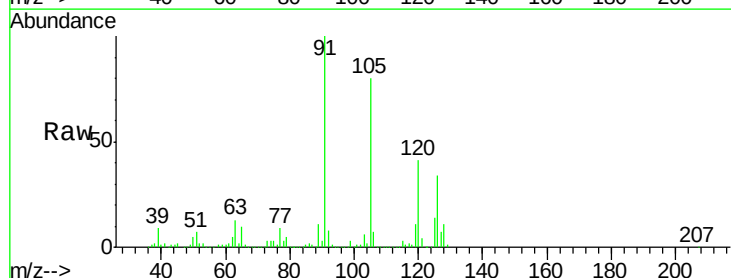
Manual Integrations
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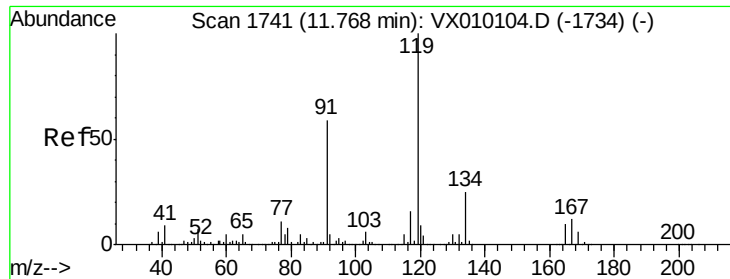
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#82
4-Chlorotoluene
Concen: 20.347 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.01 min
Lab File: VX010113.D
Acq: 07 Jun 2019 17:03

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.3	14.2	42.6





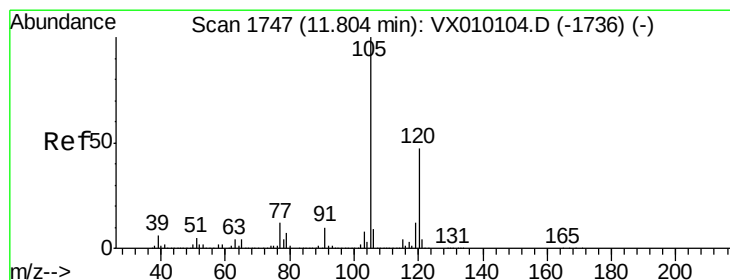
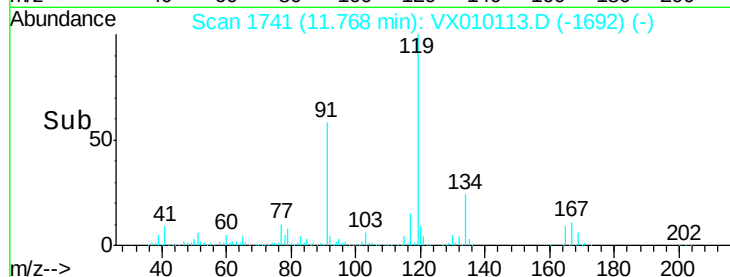
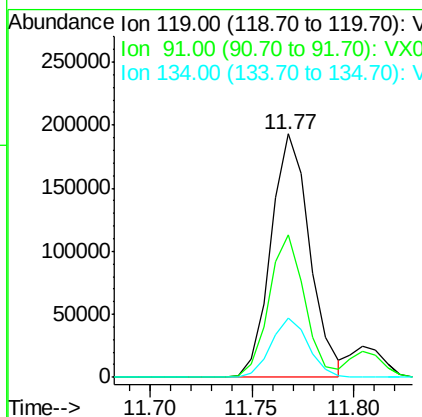
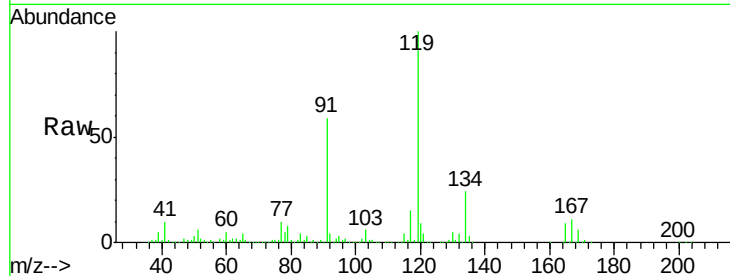
#83
 tert-Butylbenzene
 Concen: 20.463 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX010113.D
 Acq: 07 Jun 2019 17:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0607MBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	255820		
91	54.1	30.0	90.0	
134	23.2	11.2	33.5	

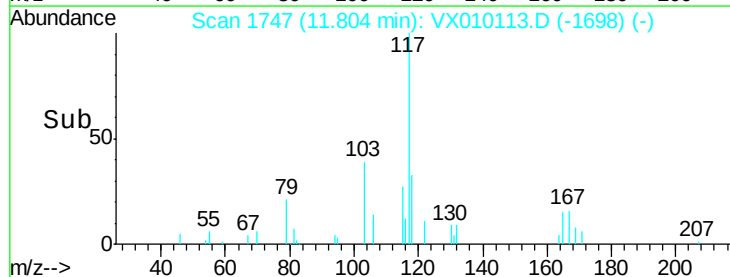
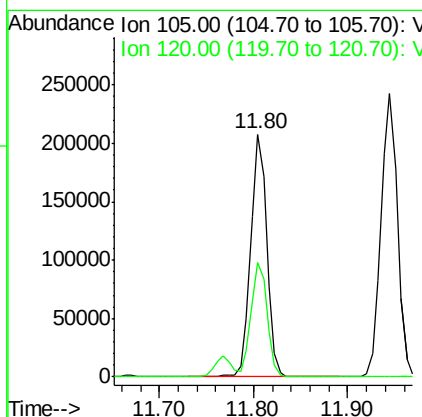
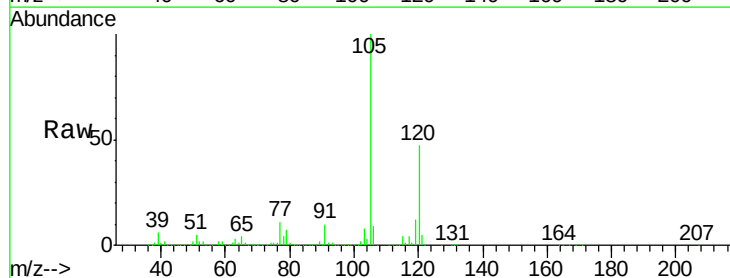
Manual Integrations
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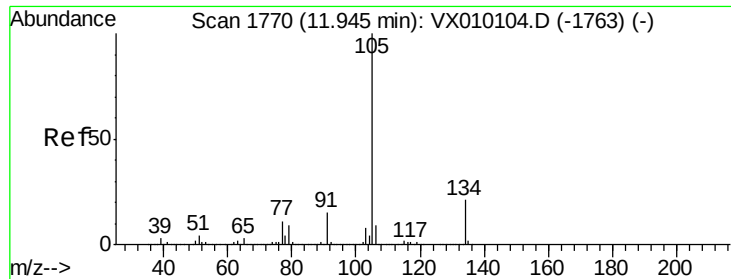
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.041 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX010113.D
 Acq: 07 Jun 2019 17:03

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	250033		
120	46.9	22.1	66.1	





#85

sec-Butylbenzene

Concen: 20.166 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX010113.D

Acq: 07 Jun 2019 17:03

Instrument :

MSVOA_X

ClientSampleId :

VX0607MBS01

Tot Ion:105 Resp: 293716

Ion Ratio Lower Upper

105 100

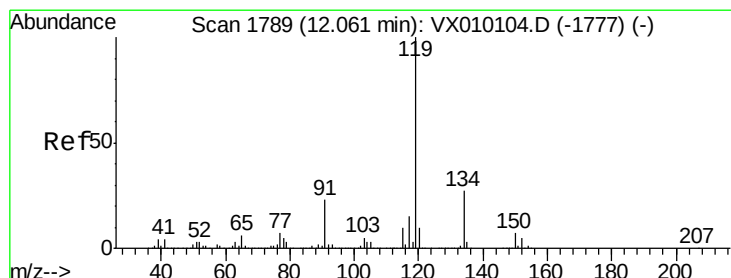
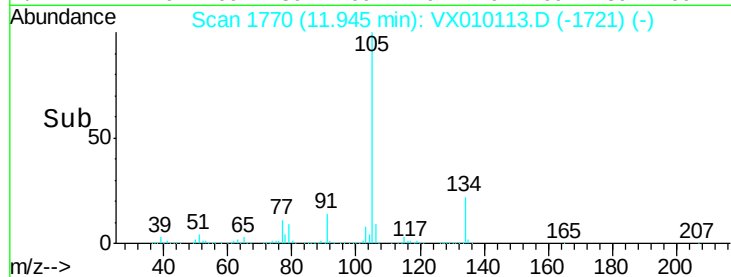
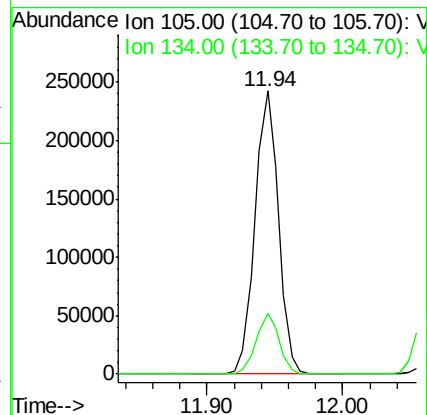
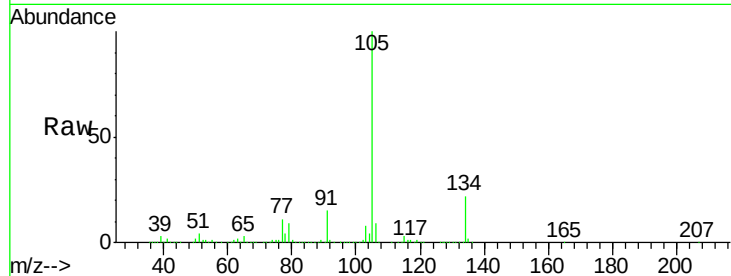
134 21.1 9.7 28.9

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 20.064 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX010113.D

Acq: 07 Jun 2019 17:03

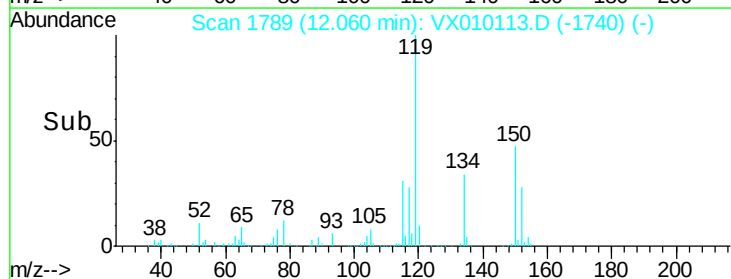
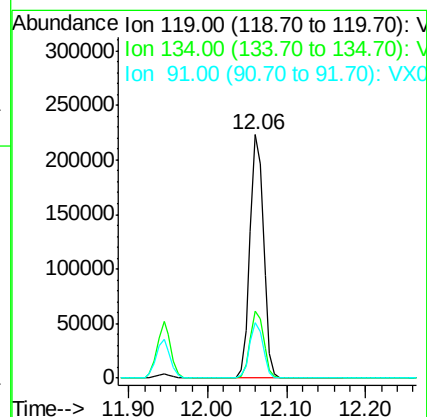
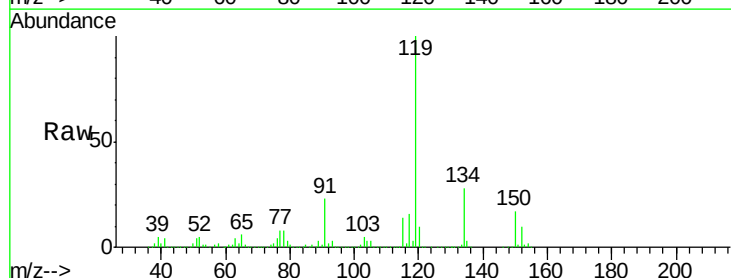
Tgt Ion:119 Resp: 267155

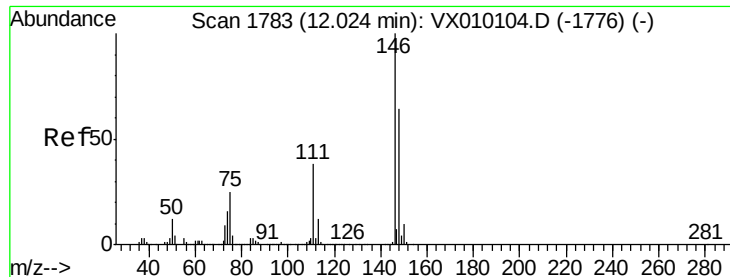
Ion Ratio Lower Upper

119 100

134 27.8 12.9 38.6

91 22.7 11.9 35.9





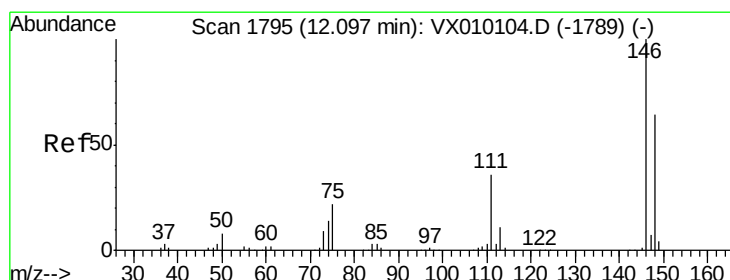
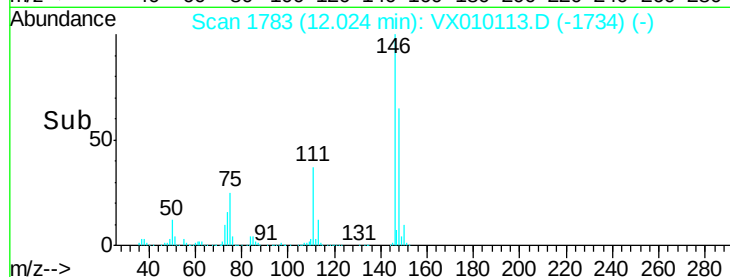
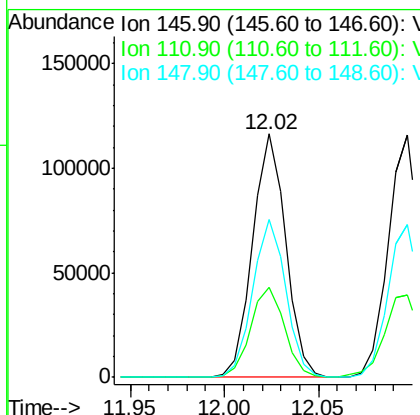
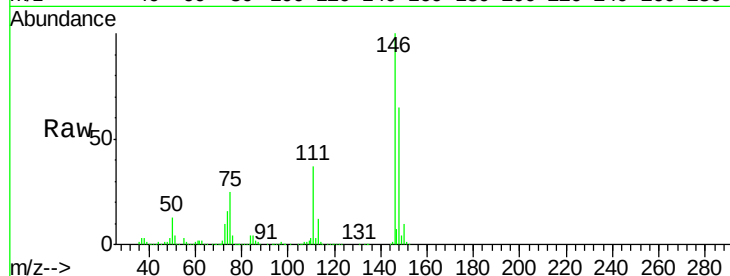
#87
 1,3-Dichlorobenzene
 Concen: 20.013 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX010113.D
 Acq: 07 Jun 2019 17:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0607MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	20.1	60.2
148	64.7	31.9	95.5

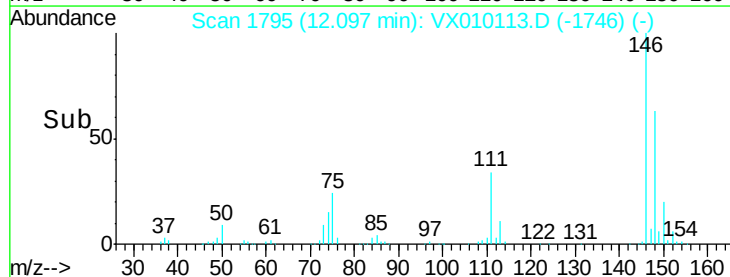
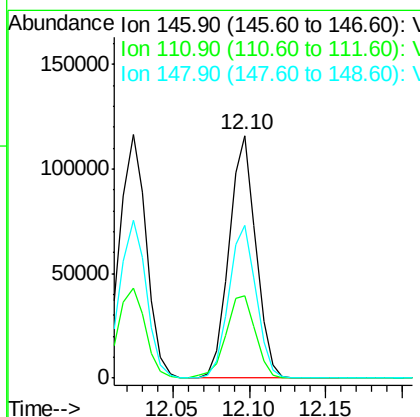
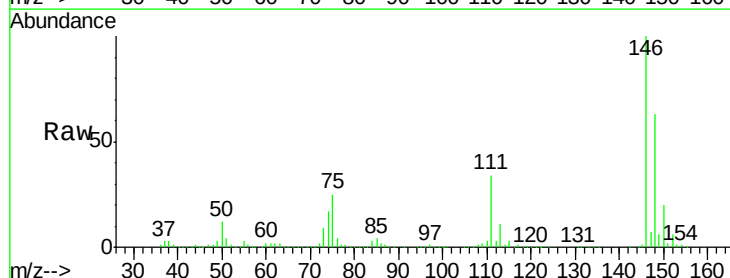
Manual Integrations
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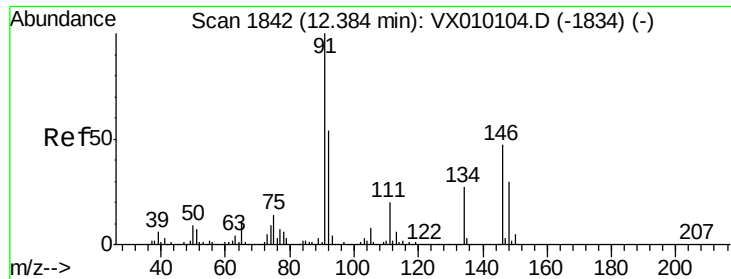
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 6/10/2019 10:52:56 AM



#88
 1,4-Dichlorobenzene
 Concen: 19.624 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX010113.D
 Acq: 07 Jun 2019 17:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.5	20.0	59.9
148	64.5	32.3	96.9





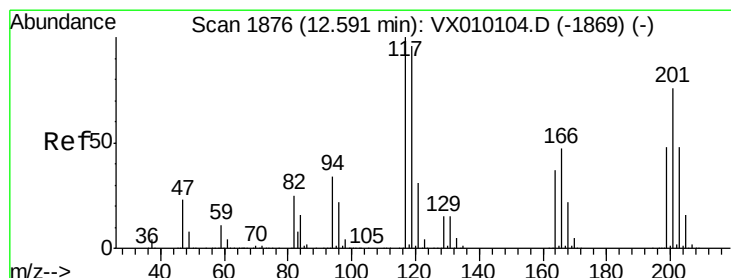
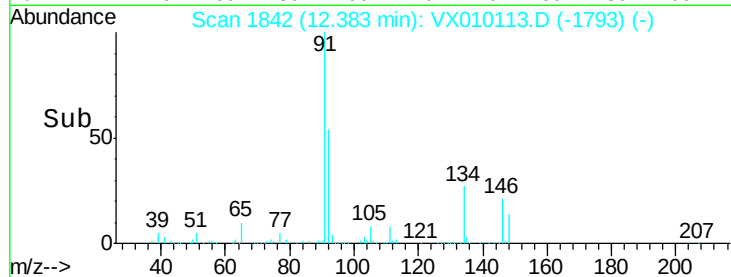
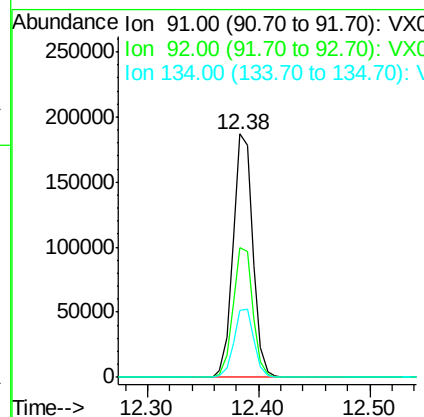
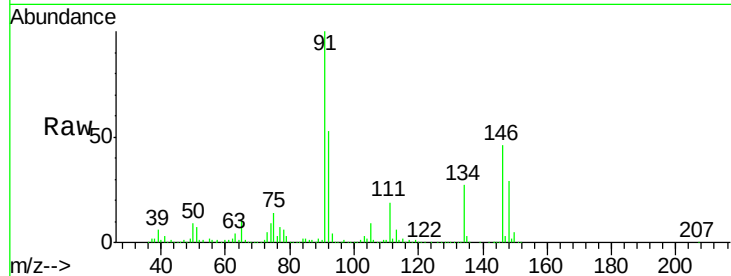
#89
n-Butylbenzene
Concen: 19.877 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX010113.D
Acq: 07 Jun 2019 17:03

Instrument :
MSVOA_X
ClientSampleId :
VX0607MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.5	26.3	78.8
134	28.3	12.3	36.8

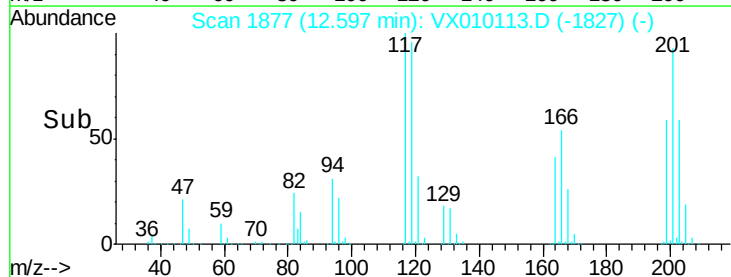
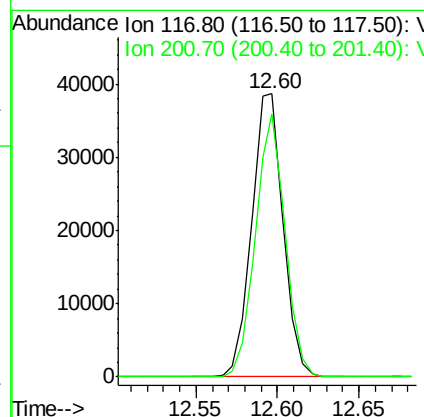
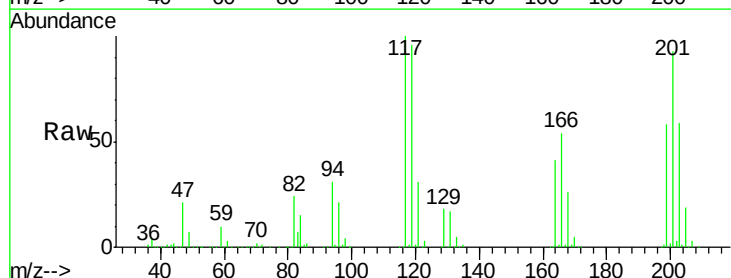
Manual Integrations
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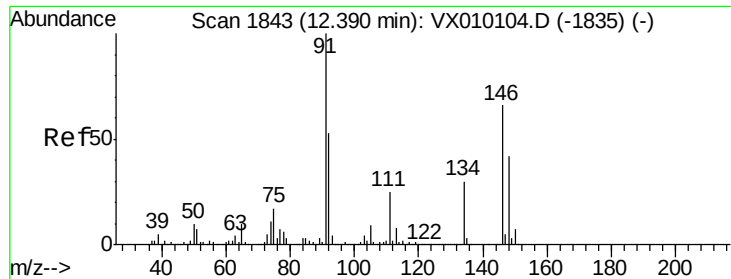
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#90
Hexachloroethane
Concen: 19.546 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.01 min
Lab File: VX010113.D
Acq: 07 Jun 2019 17:03

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.2	43.6	130.9





#91

1,2-Dichlorobenzene

Concen: 20.583 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX010113.D

Acq: 07 Jun 2019 17:03

Instrument :

MSVOA_X

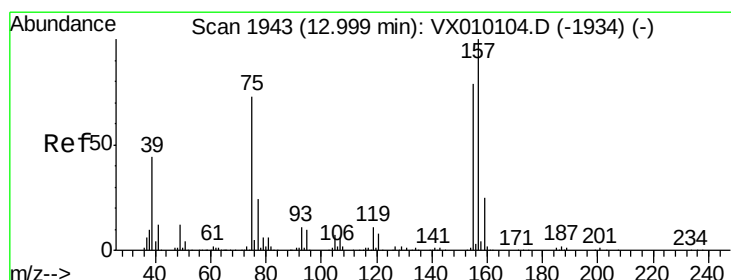
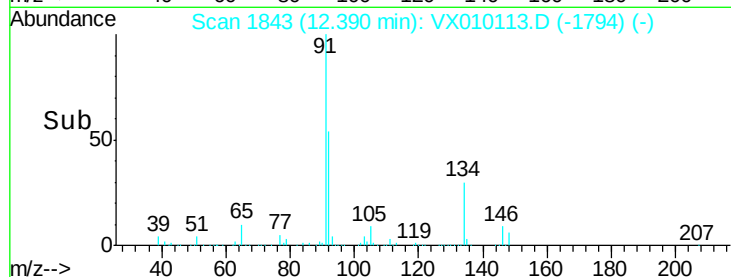
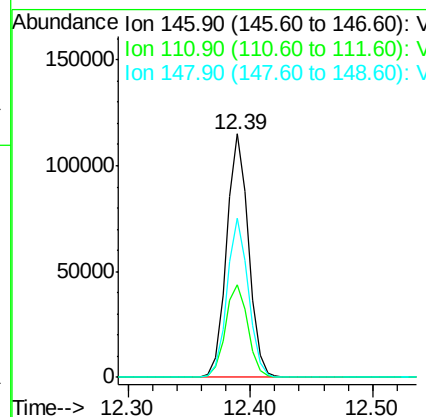
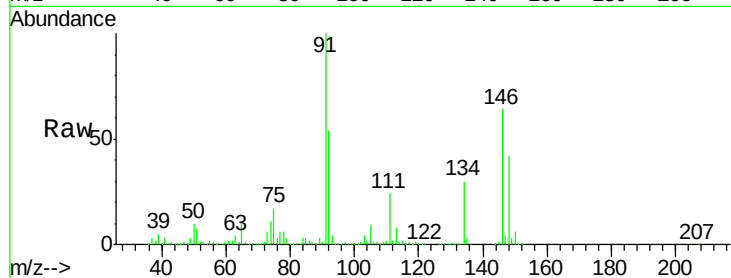
ClientSampleId :

VX0607MBS01

Tot Ion:	146	Resp:	142136
Ion Ratio	Lower	Upper	
146	100		
111	38.9	21.1	63.1
148	63.7	32.3	96.8

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 20.156 ug/l

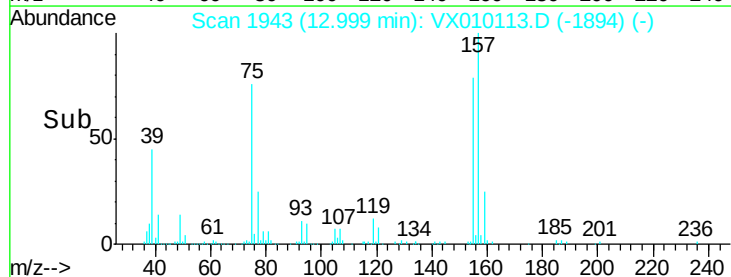
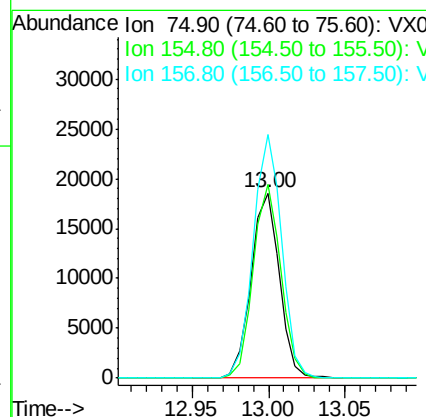
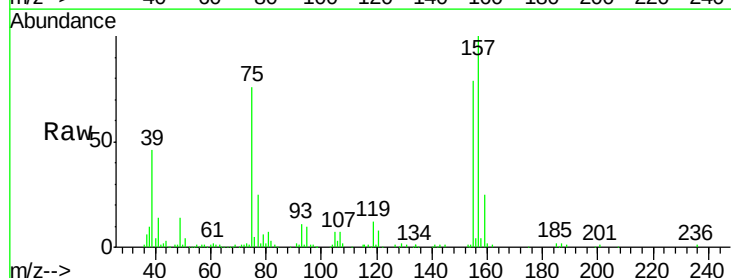
RT: 13.00 min Scan# 1943

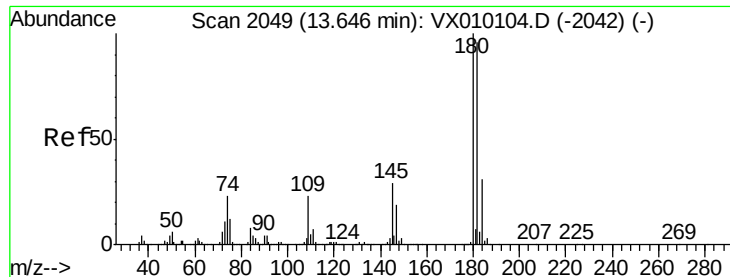
Delta R.T. -0.00 min

Lab File: VX010113.D

Acq: 07 Jun 2019 17:03

Tgt Ion:	75	Resp:	23809
Ion Ratio	Lower	Upper	
75	100		
155	102.7	39.3	117.8
157	132.4	50.6	151.8





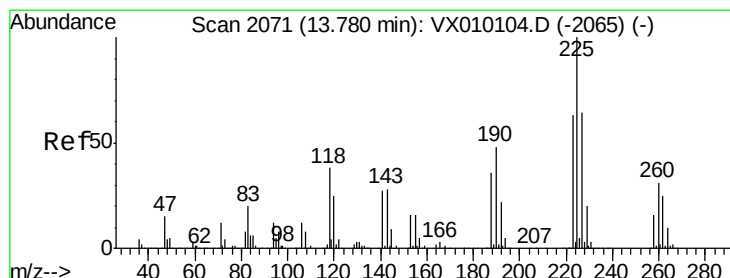
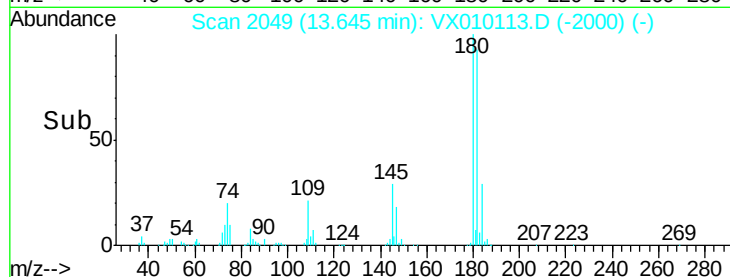
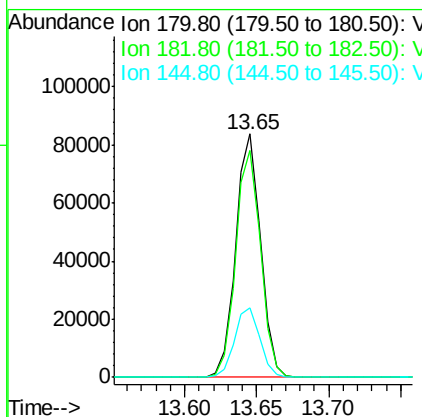
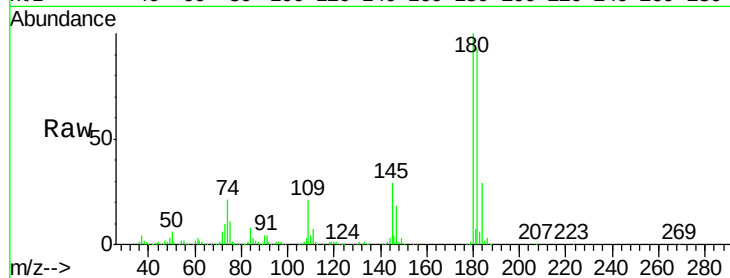
#93
 1,2,4-Trichlorobenzene
 Concen: 19.947 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX010113.D
 Acq: 07 Jun 2019 17:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0607MBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	100829		
182	93.6	47.4	142.2	
145	29.2	14.5	43.5	

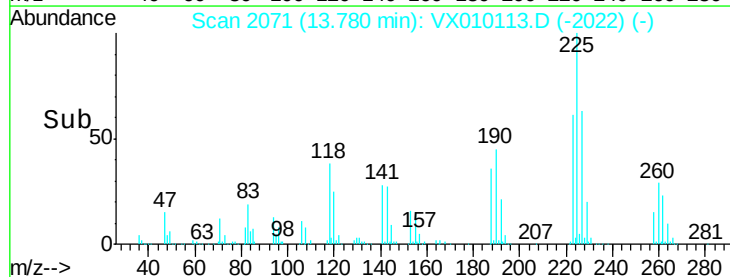
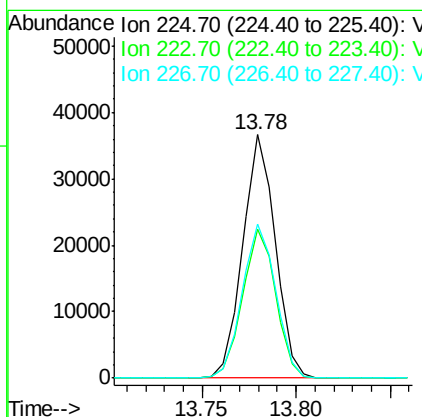
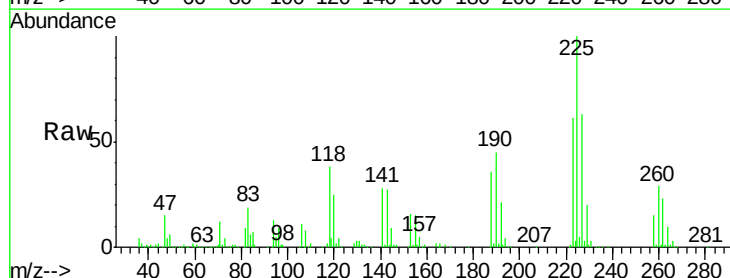
Manual Integrations
 APPROVED

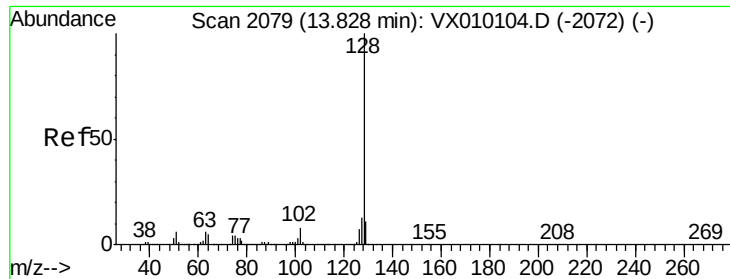
MMDadoda
 6/10/2019 10:52:56 AM



#94
 Hexachlorobutadiene
 Concen: 19.528 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX010113.D
 Acq: 07 Jun 2019 17:03

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	43901		
223	62.2	31.3	93.8	
227	65.1	32.3	96.8	





#95

Naphthalene

Concen: 20.226 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.01 min

Lab File: VX010113.D

Acq: 07 Jun 2019 17:03

Instrument :

MSVOA_X

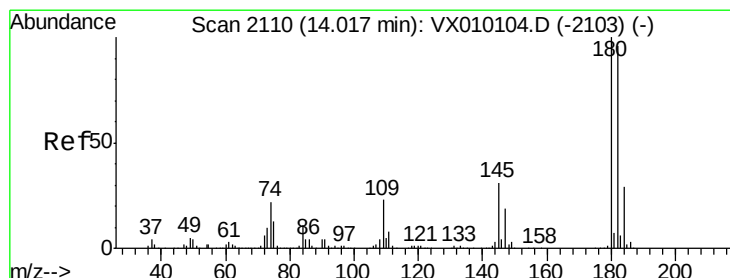
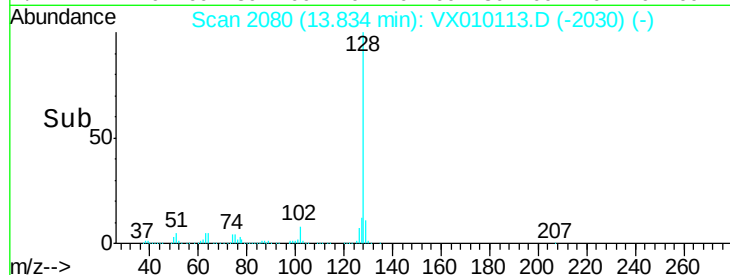
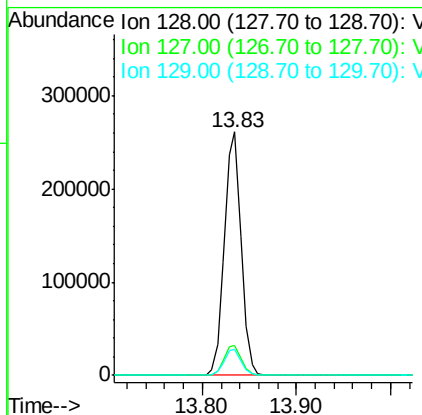
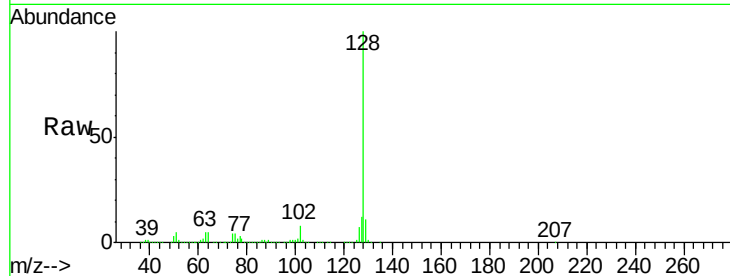
ClientSampleId :

VX0607MBS01

Tot Ion:	128	Resp:	321845
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.6	16.0
129	10.8	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
6/10/2019 10:52:56 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.449 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX010113.D

Acq: 07 Jun 2019 17:03

Tgt Ion:	180	Resp:	97204
Ion Ratio	Lower	Upper	
180	100		
182	98.5	47.3	142.0
145	32.4	15.6	46.7

