

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX041919\
 Data File : VX009063.D
 Acq On : 19 Apr 2019 12:23
 Operator : JC/SP
 Sample : VX0419MBS01
 Misc : 5.00g/10mL/100uL/5.0mL/MSVOA_X/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0419MBS01

Manual Integrations
 APPROVED

MMDadoda
 4/22/2019 10:50:54 AM

Quant Time: Apr 20 01:03:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 06:47:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	212031	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	354207	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	306772	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	140356	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	158866	53.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.34%	
35) Dibromofluoromethane	5.50	113	116582	51.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.58%	
50) Toluene-d8	8.71	98	458744	50.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.20%	
62) 4-Bromofluorobenzene	11.13	95	158235	49.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	51207	20.968	ug/l	99
3) Chloromethane	1.32	50	59199	19.745	ug/l	95
4) Vinyl Chloride	1.41	62	58418	20.019	ug/l	99
5) Bromomethane	1.64	94	30919	19.466	ug/l	98
6) Chloroethane	1.71	64	37755	22.002	ug/l	97
7) Trichlorofluoromethane	1.92	101	69762	20.475	ug/l	100
8) Diethyl Ether	2.19	74	31895	20.470	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	43301	19.877	ug/l	99
10) Methyl Iodide	2.51	142	29721	15.791	ug/l	98
11) Tert butyl alcohol	3.06	59	74019	111.595	ug/l	100
12) 1,1-Dichloroethene	2.37	96	43931	19.321	ug/l	96
13) Acrolein	2.29	56	45210	78.886	ug/l	98
14) Allyl chloride	2.73	41	105591	21.285	ug/l	99
15) Acrylonitrile	3.15	53	187384	111.291	ug/l	99
16) Acetone	2.45	43	171317	110.558	ug/l	99
17) Carbon Disulfide	2.57	76	120062	18.771	ug/l	100
18) Methyl Acetate	2.78	43	88281	22.827	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	173421	21.405	ug/l	99
20) Methylene Chloride	2.85	84	53320	20.121	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	47926	19.761	ug/l	97
22) Diisopropyl ether	3.86	45	213713	22.170	ug/l	90
23) Vinyl Acetate	3.82	43	940662	111.012	ug/l	99
24) 1,1-Dichloroethane	3.70	63	102157	21.112	ug/l	99
25) 2-Butanone	4.68	43	283728	114.550	ug/l	100
26) 2,2-Dichloropropane	4.59	77	71538	19.723	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	56545	20.535	ug/l	98
28) Bromochloromethane	5.01	49	48918	23.309	ug/l	97
29) Tetrahydrofuran	5.13	42	187864	113.320	ug/l	99
30) Chloroform	5.21	83	92219	21.297	ug/l	100
31) Cyclohexane	5.58	56	98470	20.690	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	74704	20.816	ug/l	98
36) 1,1-Dichloropropene	5.80	75	69985	19.105	ug/l	100
37) Ethyl Acetate	4.84	43	105642	22.411	ug/l	100
38) Carbon Tetrachloride	5.79	117	61058	19.661	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	86402	19.372	ug/l	95
40) Benzene	6.14	78	218225	20.193	ug/l	100
41) Methacrylonitrile	5.04	41	60262	22.275	ug/l	98
42) 1,2-Dichloroethane	6.19	62	79048	20.649	ug/l	99
43) Isopropyl Acetate	6.45	43	161431	21.251	ug/l	99
44) Trichloroethene	7.21	130	50671	19.136	ug/l	99
45) 1,2-Dichloropropane	7.51	63	61712	20.584	ug/l	97
46) Dibromomethane	7.66	93	35067	20.098	ug/l	99
47) Bromodichloromethane	7.90	83	67240	19.648	ug/l	99
48) Methyl methacrylate	7.77	41	80784	21.523	ug/l	98
49) 1,4-Dioxane	7.74	88	28916	411.604	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	533984	110.341	ug/l	99
52) Toluene	8.79	92	128512	19.842	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	77001	19.551	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	87242	19.783	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	52983	20.641	ug/l	97
56) Ethyl methacrylate	9.18	69	94408	20.511	ug/l	98
57) 1,3-Dichloropropane	9.37	76	95218	20.834	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	261255	105.405	ug/l	99
59) 2-Hexanone	9.49	43	405600	108.708	ug/l	99
60) Dibromochloromethane	9.58	129	49379	20.071	ug/l	98
61) 1,2-Dibromoethane	9.67	107	53055	20.026	ug/l	97
64) Tetrachloroethene	9.34	164	45574	19.556	ug/l	97
65) Chlorobenzene	10.14	112	128049	19.775	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.22	131	46693	20.470	ug/l	100
67) Ethyl Benzene	10.25	91	236296	19.963	ug/l	100
68) m/p-Xylenes	10.36	106	170798	39.704	ug/l	100
69) o-Xylene	10.70	106	82500	19.710	ug/l	98
70) Styrene	10.71	104	144169	19.876	ug/l	99
71) Bromoform	10.85	173	34825	19.163	ug/l #	99
73) Isopropylbenzene	11.02	105	222367	20.901	ug/l	100
74) N-amyl acetate	10.90	43	133269	21.817	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	84163	21.651	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	73333m	21.397	ug/l	
77) Bromobenzene	11.26	156	53700	20.006	ug/l	98
78) n-propylbenzene	11.36	91	253123	20.729	ug/l	100
79) 2-Chlorotoluene	11.42	91	151104	20.535	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	190106	21.294	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	26432	19.800	ug/l	94
82) 4-Chlorotoluene	11.51	91	174758	20.450	ug/l	99
83) tert-Butylbenzene	11.77	119	181639	21.191	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	189536	20.856	ug/l	100
85) sec-Butylbenzene	11.94	105	213799	20.914	ug/l	100
86) p-Isopropyltoluene	12.06	119	192961	20.531	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	92539	19.697	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	92230	19.366	ug/l	99
89) n-Butylbenzene	12.39	91	175210	20.017	ug/l	99
90) Hexachloroethane	12.60	117	30853	19.901	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	92601	19.961	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	18241	20.610	ug/l	96

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Instrument :
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ClientSampleId :
VX0419MBS01

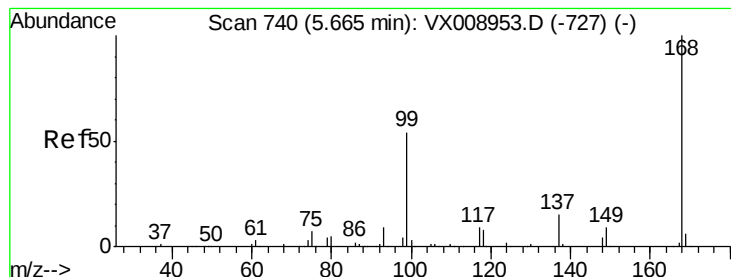
Manual Integrations
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4/22/2019 10:50:54 AM

Quant Time: Apr 20 01:03:57 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 17 06:47:58 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	64239	19.182	ug/l	99
94) Hexachlorobutadiene	13.78	225	32463	19.436	ug/l	98
95) Naphthalene	13.83	128	219847	20.491	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	64436	19.501	ug/l	100

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



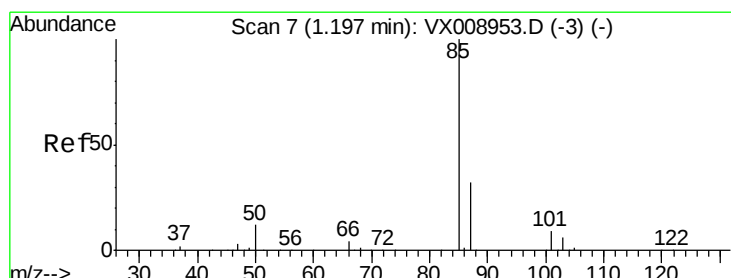
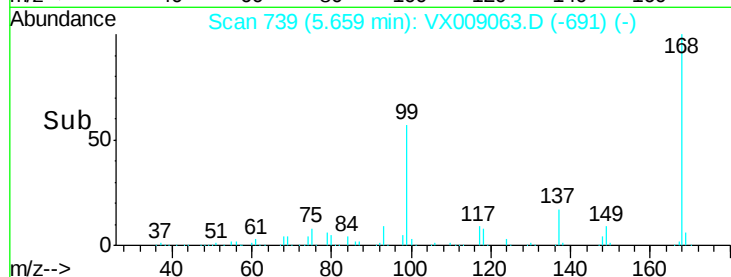
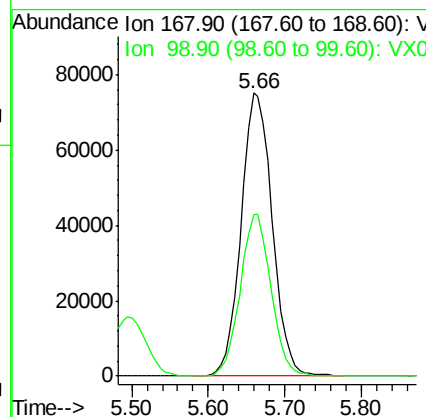
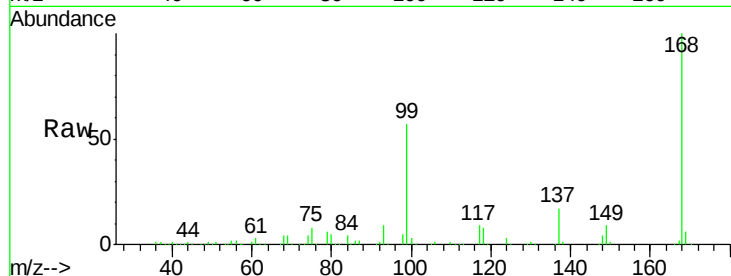
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.01 min
Lab File: VX009063.D
Acq: 19 Apr 2019 12:23

Instrument :
MSVOA_X
ClientSampleId :
VX0419MBS01

Tot Ion	Ratio	Lower	Upper
168	100		
99	56.9	43.0	64.6

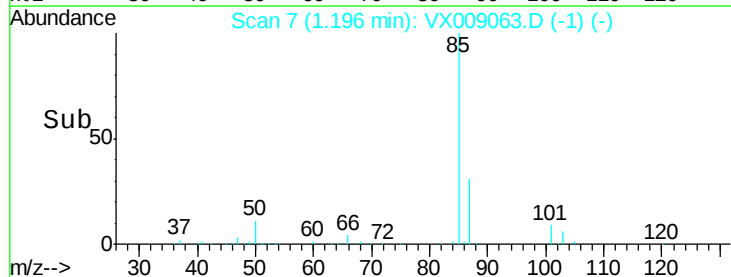
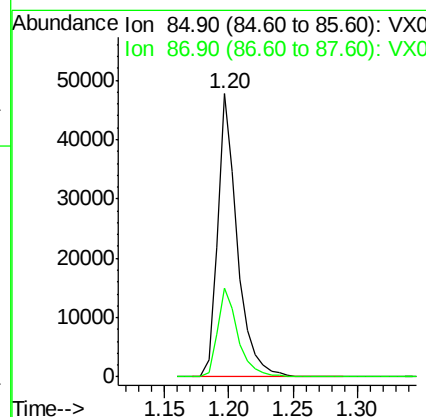
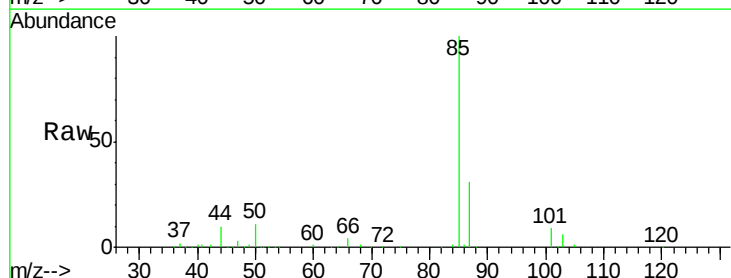
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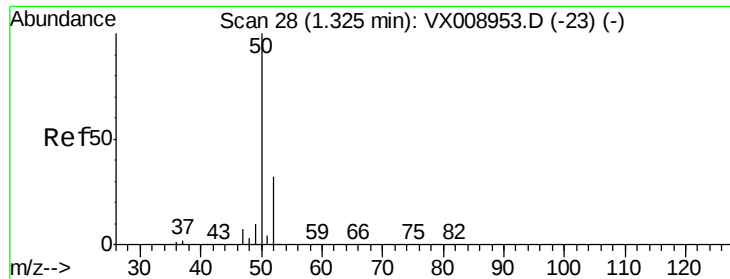
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#2
Dichlorodifluoromethane
Concen: 20.968 ug/l
RT: 1.20 min Scan# 7
Delta R.T. -0.00 min
Lab File: VX009063.D
Acq: 19 Apr 2019 12:23

Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.4	16.0	47.9





#3

Chloromethane

Concen: 19.745 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009063.D

Acq: 19 Apr 2019 12:23

Instrument :

MSVOA_X

ClientSampleId :

VX0419MBS01

Tot Ion: 50 Resp: 59199

Ion Ratio Lower Upper

50 100

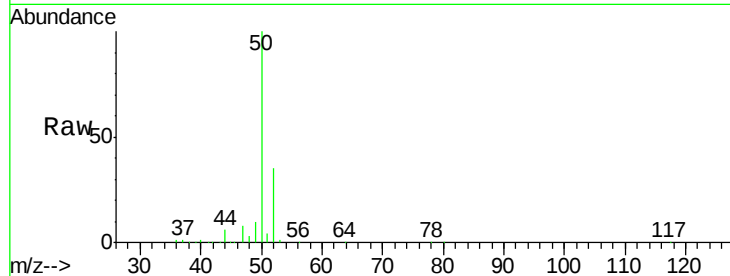
52 34.8 25.5 38.3

Manual Integrations

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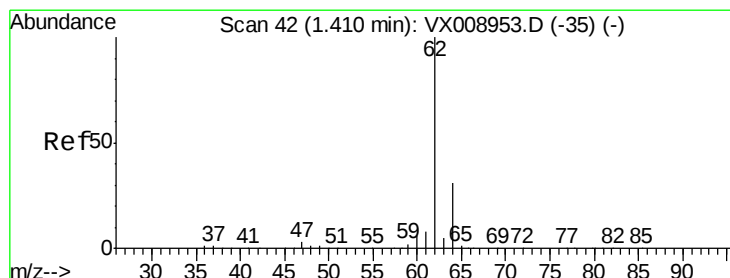
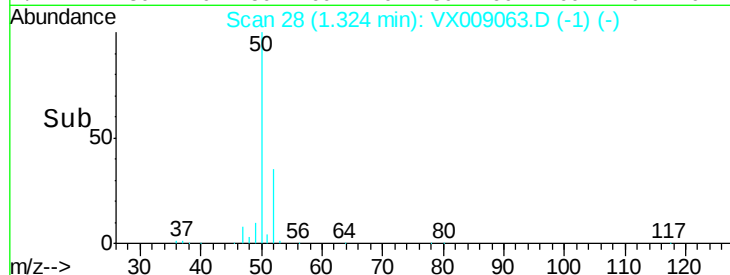
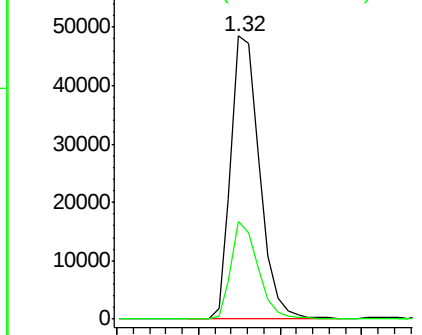
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 20.019 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX009063.D

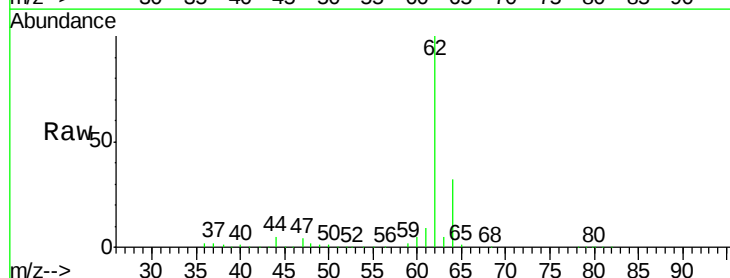
Acq: 19 Apr 2019 12:23

Tgt Ion: 62 Resp: 58418

Ion Ratio Lower Upper

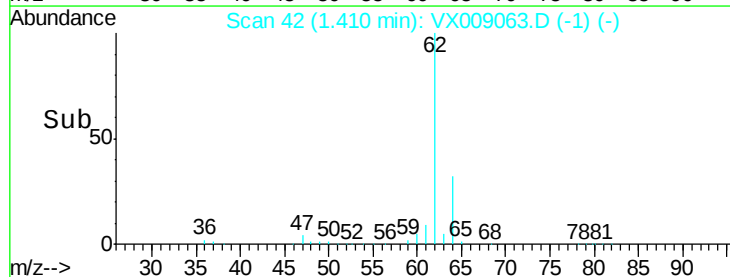
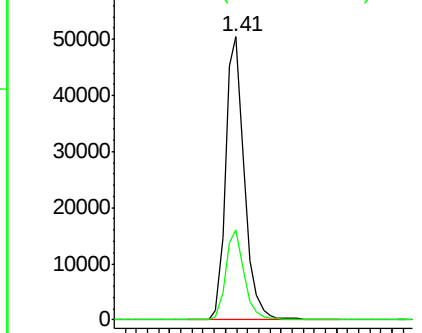
62 100

64 31.9 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 19.466 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009063.D

Acq: 19 Apr 2019 12:23

Instrument :

MSVOA_X

ClientSampleId :

VX0419MBS01

Tot Ion: 94 Resp: 30919

Ion Ratio Lower Upper

94 100

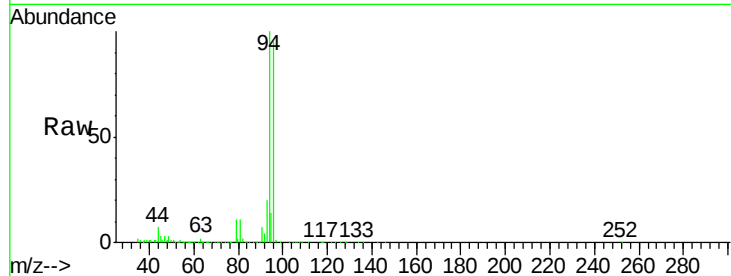
96 94.5 73.9 110.9

Manual Integrations

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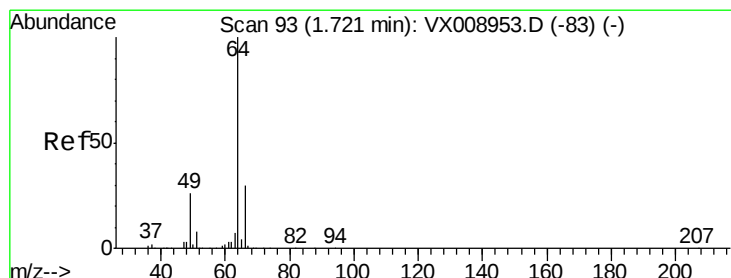
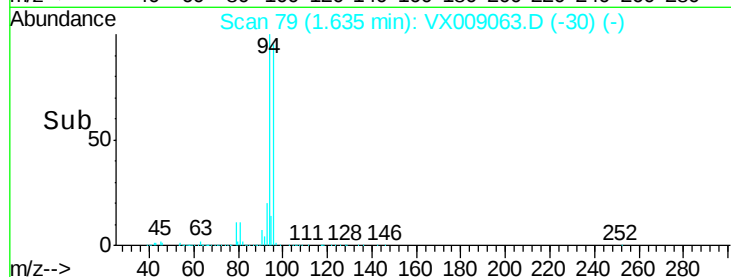
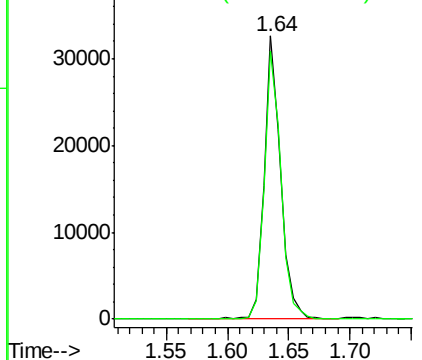
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 22.002 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.01 min

Lab File: VX009063.D

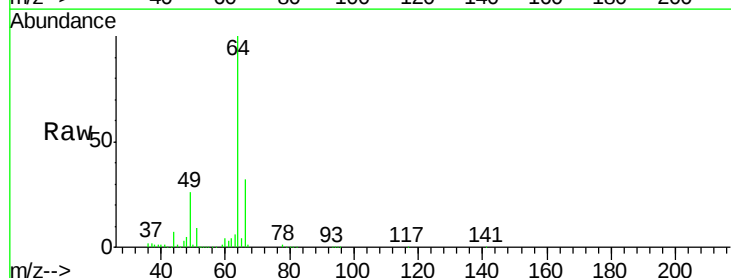
Acq: 19 Apr 2019 12:23

Tgt Ion: 64 Resp: 37755

Ion Ratio Lower Upper

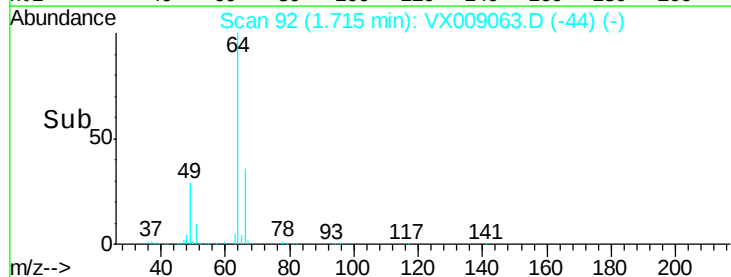
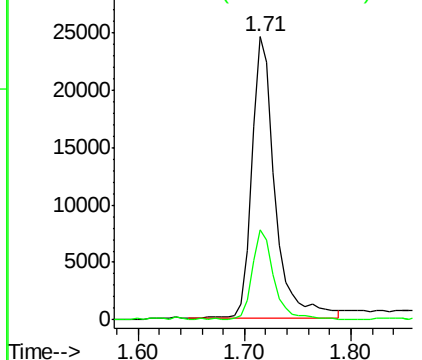
64 100

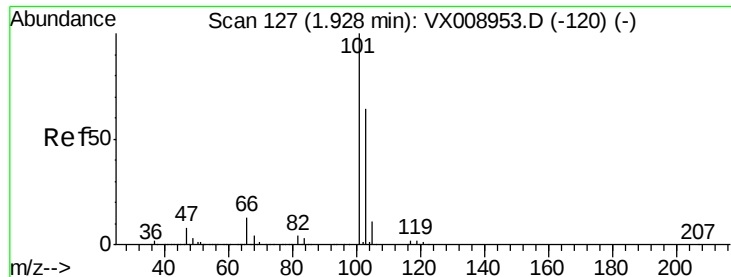
66 31.6 24.2 36.2



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

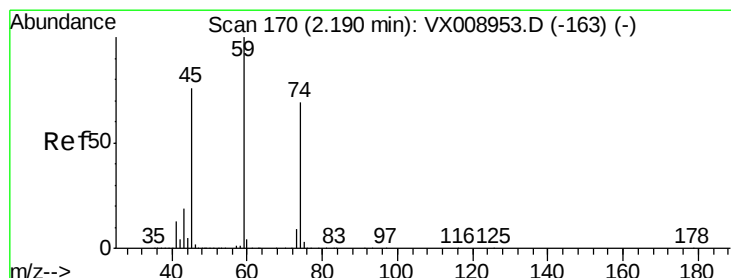
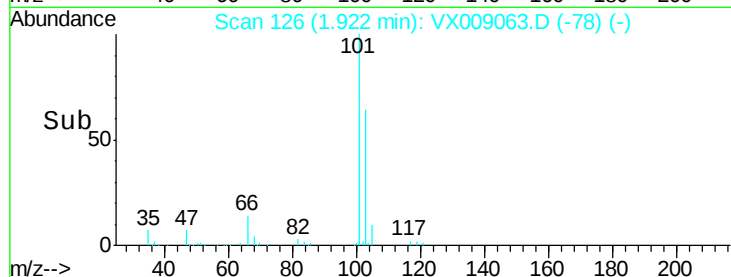
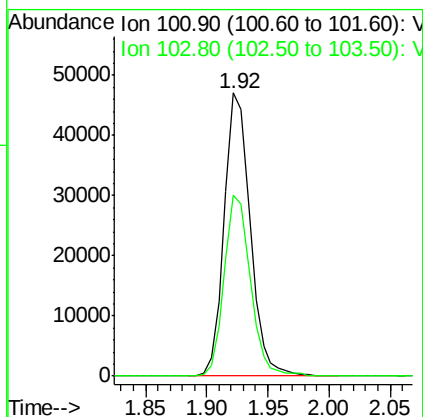
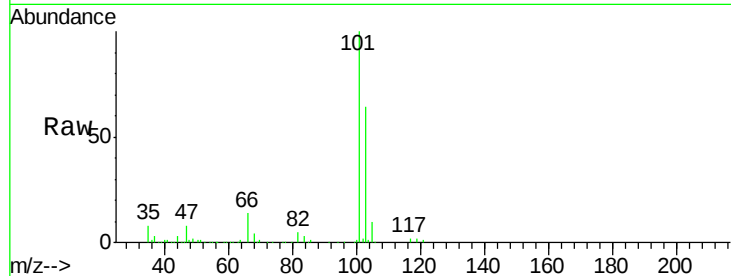
Trichlorofluoromethane
Concen: 20.475 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.01 min
Lab File: VX009063.D
Acq: 19 Apr 2019 12:23

Instrument :
MSVOA_X
ClientSampleId :
VX0419MBS01

Tot Ion:101 Resp: 69762
Ion Ratio Lower Upper
101 100
103 64.0 51.0 76.6

Manual Integrations
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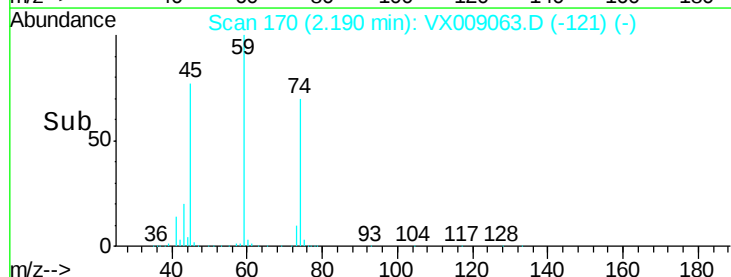
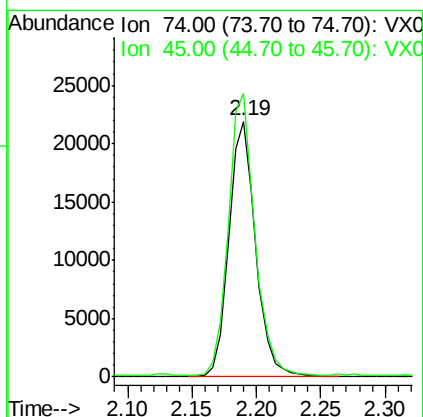
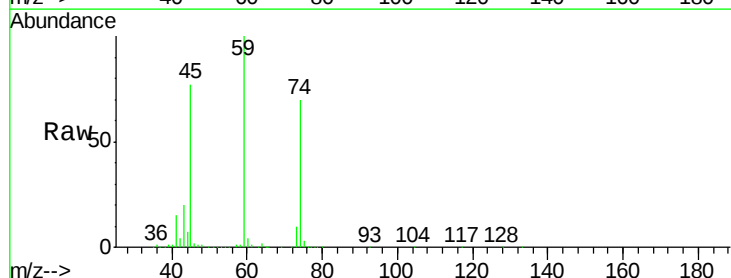
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4/22/2019 10:50:54 AM



#8

Diethyl Ether
Concen: 20.470 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX009063.D
Acq: 19 Apr 2019 12:23

Tgt Ion: 74 Resp: 31895
Ion Ratio Lower Upper
74 100
45 108.3 54.9 164.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.877 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX009063.D

Acq: 19 Apr 2019 12:23

Instrument :

MSVOA_X

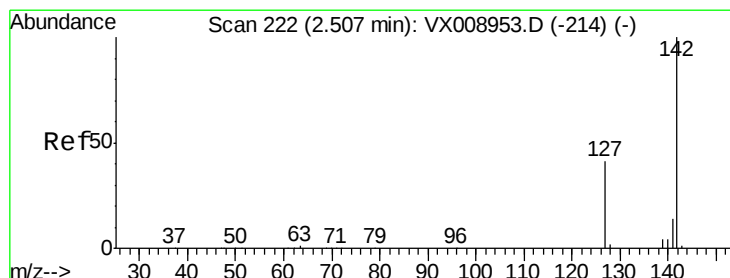
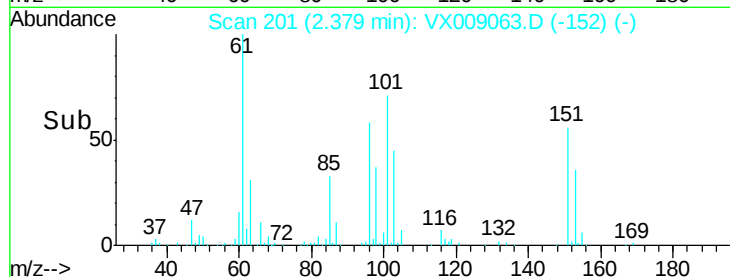
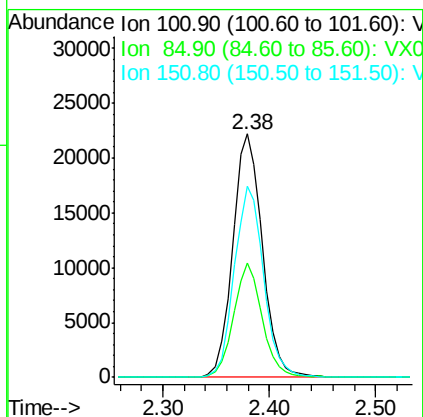
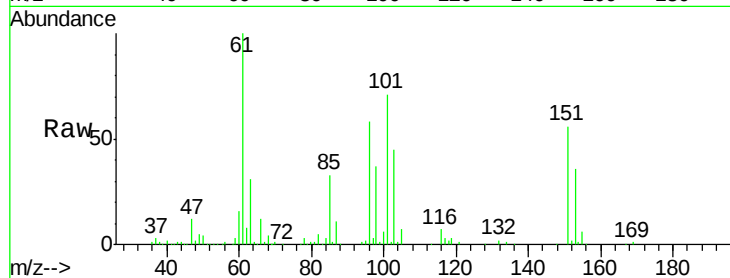
ClientSampleId :

VX0419MBS01

Tot Ion:	101	Resp:	43301
Ion Ratio	Lower	Upper	
101	100		
85	45.2	35.7	53.5
151	77.9	62.7	94.1

Manual Integrations
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#10

Methyl Iodide

Concen: 15.791 ug/l

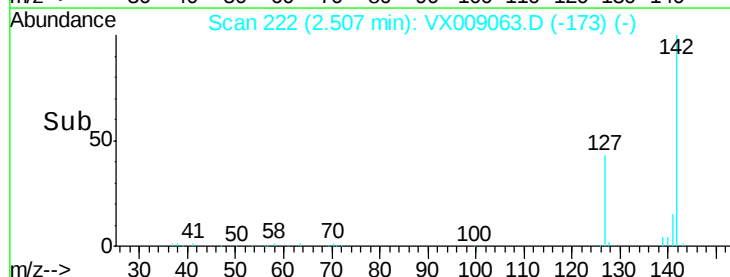
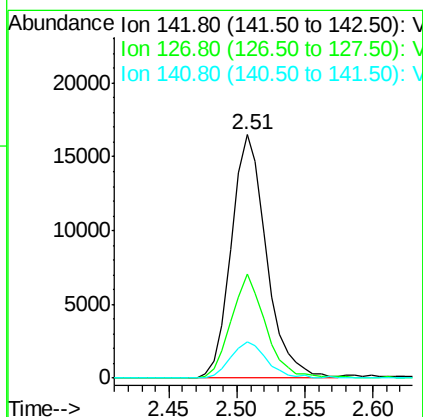
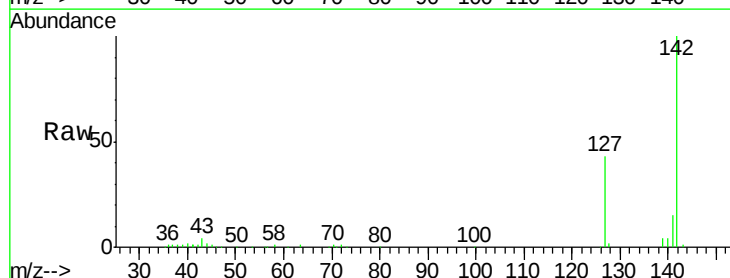
RT: 2.51 min Scan# 222

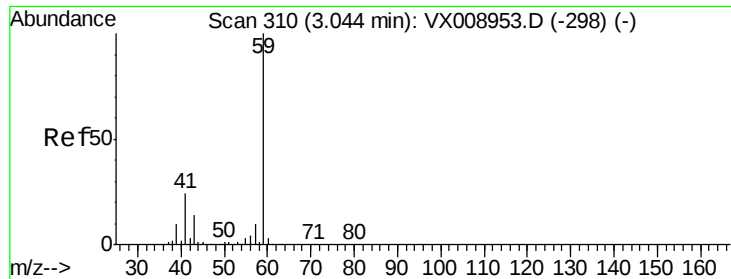
Delta R.T. 0.00 min

Lab File: VX009063.D

Acq: 19 Apr 2019 12:23

Tgt Ion:	142	Resp:	29721
Ion Ratio	Lower	Upper	
142	100		
127	42.3	32.8	49.2
141	15.5	11.4	17.2





#11

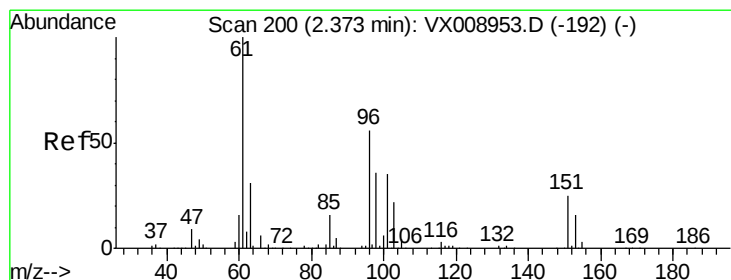
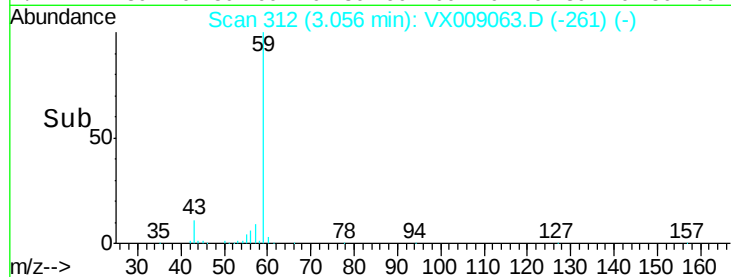
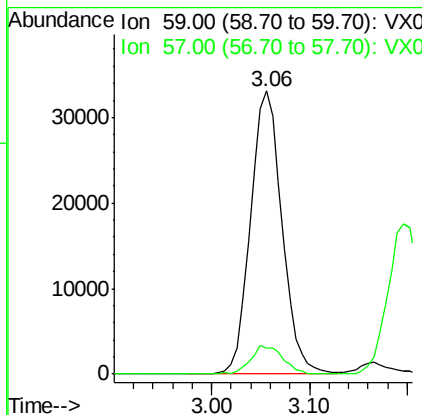
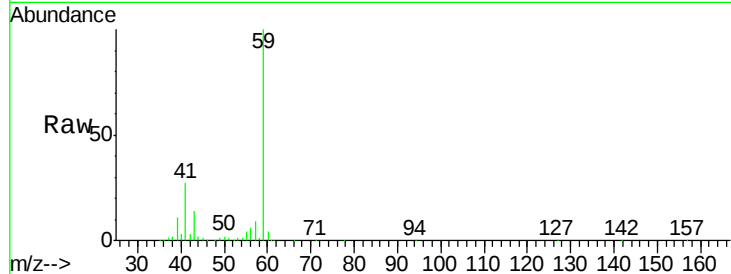
Tert butyl alcohol
 Concen: 111.595 ug/l
 RT: 3.06 min Scan# 312
 Delta R.T. 0.01 min
 Lab File: VX009063.D
 Acq: 19 Apr 2019 12:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0419MBS01

Tot Ion	59	Resp	74019
Ion Ratio	100	Lower	Upper
57	10.5	8.4	12.6

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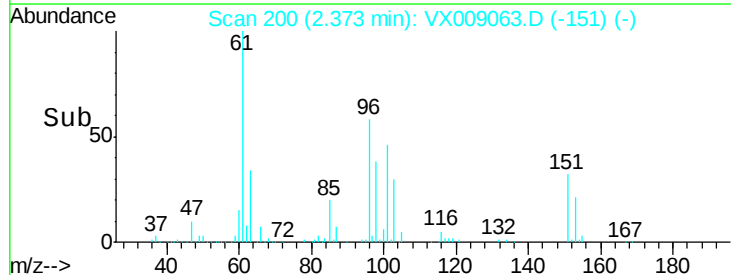
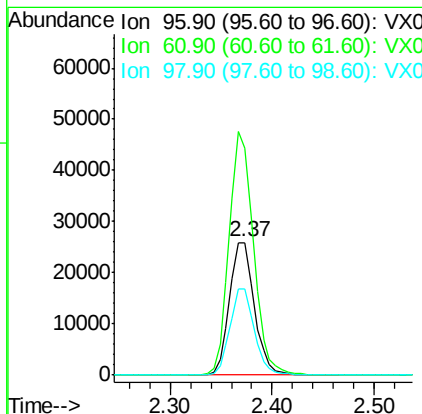
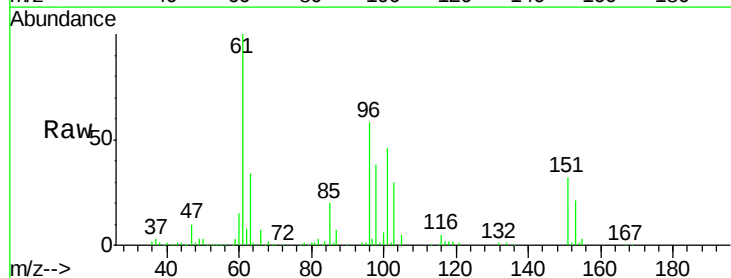
MMDadoda
 4/22/2019 10:50:54 AM

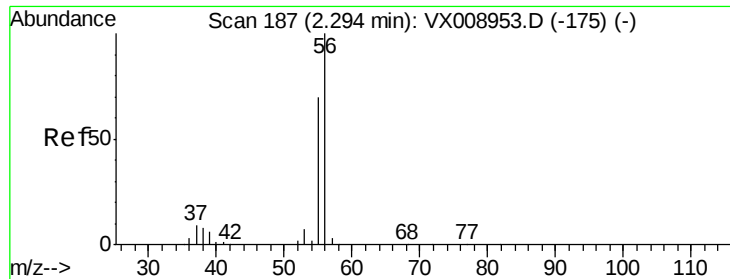


#12

1,1-Dichloroethene
 Concen: 19.321 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. -0.00 min
 Lab File: VX009063.D
 Acq: 19 Apr 2019 12:23

Tgt Ion	96	Resp	43931
Ion Ratio	100	Lower	Upper
61	171.3	142.2	213.2
98	64.9	50.9	76.3





#13

Acrolein

Concen: 78.886 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX009063.D

Acq: 19 Apr 2019 12:23

Instrument :

MSVOA_X

ClientSampleId :

VX0419MBS01

Tot Ion: 56 Resp: 45210

Ion Ratio Lower Upper

56 100

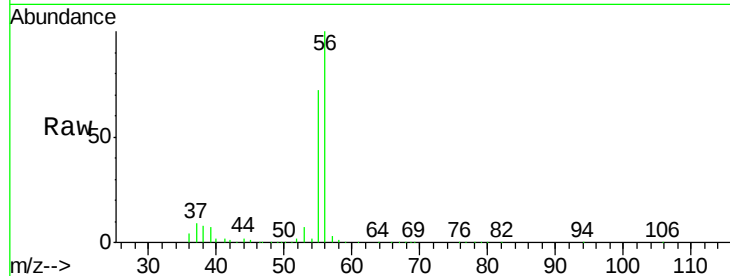
55 72.2 56.6 84.8

Manual Integrations

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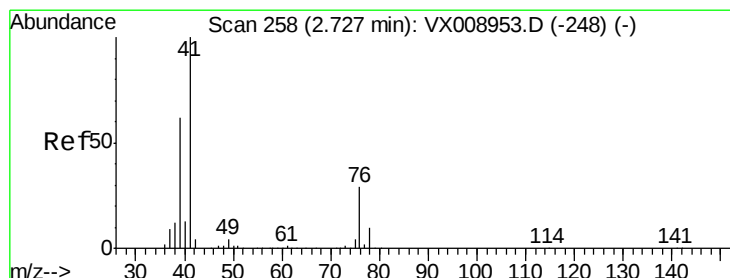
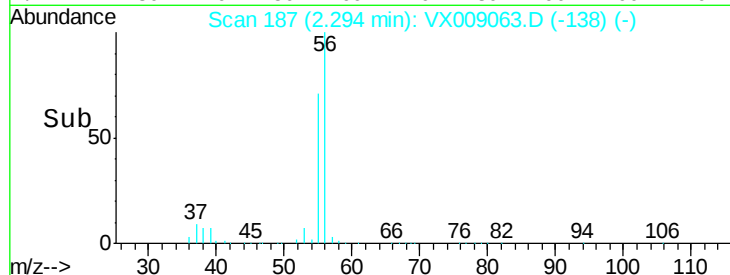
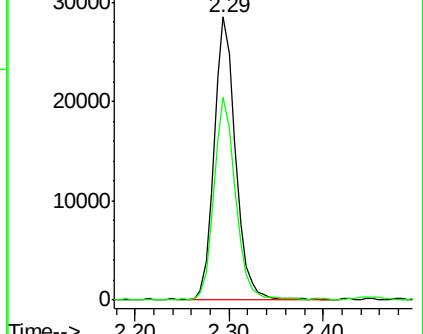
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 21.285 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX009063.D

Acq: 19 Apr 2019 12:23

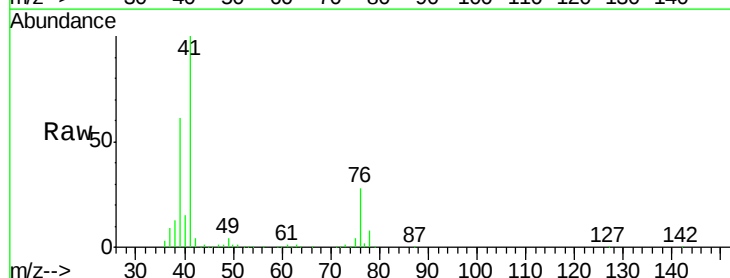
Tgt Ion: 41 Resp: 105591

Ion Ratio Lower Upper

41 100

39 59.1 46.7 70.1

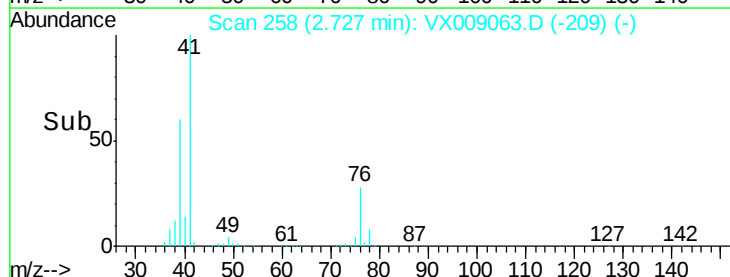
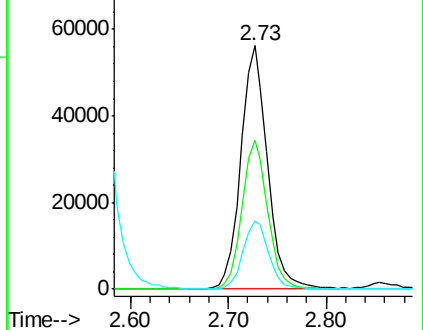
76 26.8 22.0 33.0

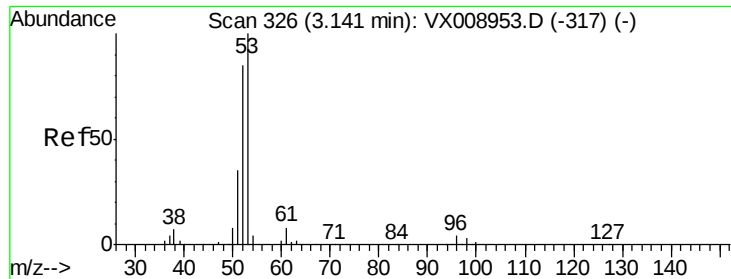


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 111.291 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.01 min

Lab File: VX009063.D

Acq: 19 Apr 2019 12:23

Instrument :

MSVOA_X

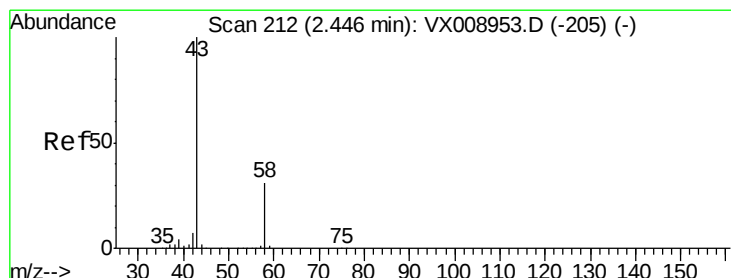
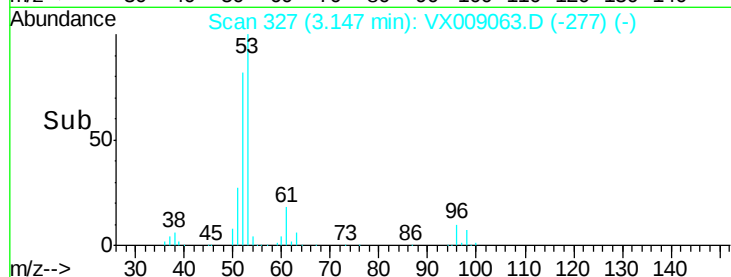
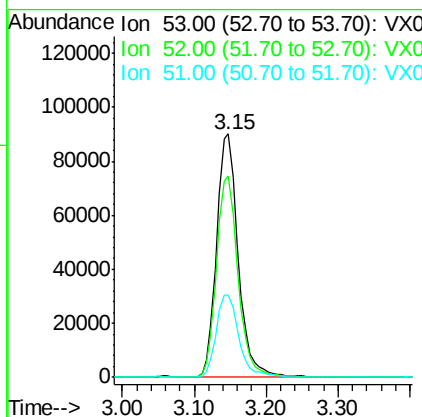
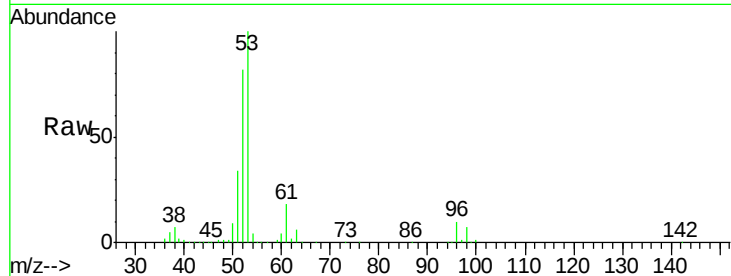
ClientSampleId :

VX0419MBS01

Tot Ion:	53	Resp:	187384
Ion Ratio	Lower	Upper	
53	100		
52	82.7	66.6	100.0
51	35.4	28.3	42.5

Manual Integrations
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#16

Acetone

Concen: 110.558 ug/l

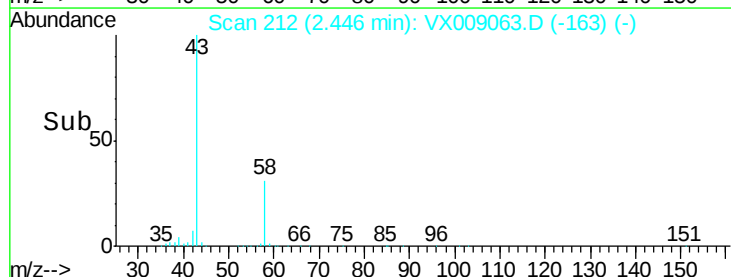
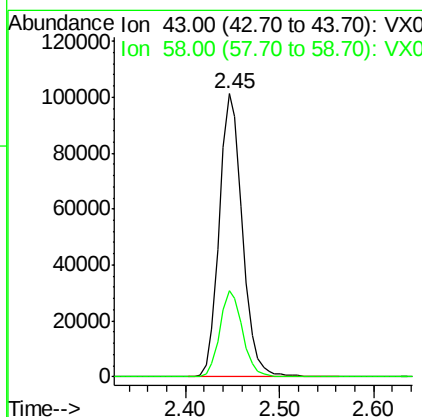
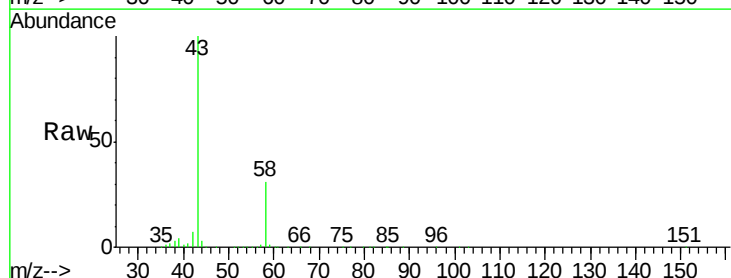
RT: 2.45 min Scan# 212

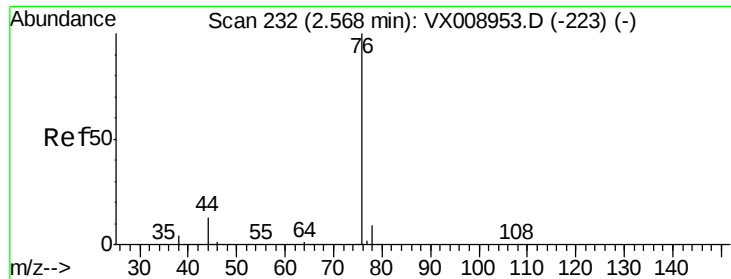
Delta R.T. -0.00 min

Lab File: VX009063.D

Acq: 19 Apr 2019 12:23

Tgt Ion:	43	Resp:	171317
Ion Ratio	Lower	Upper	
43	100		
58	30.7	24.8	37.2





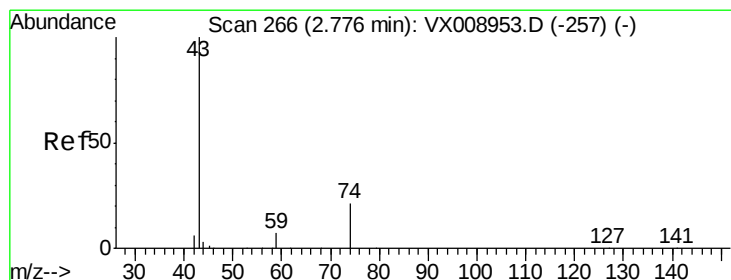
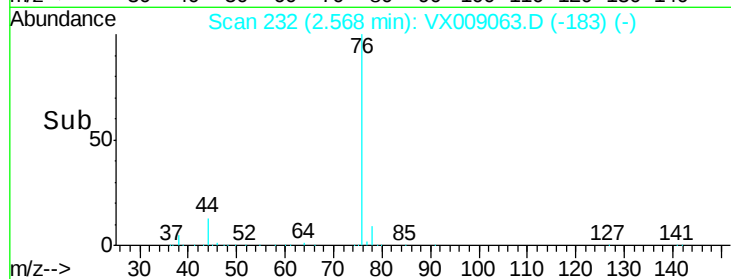
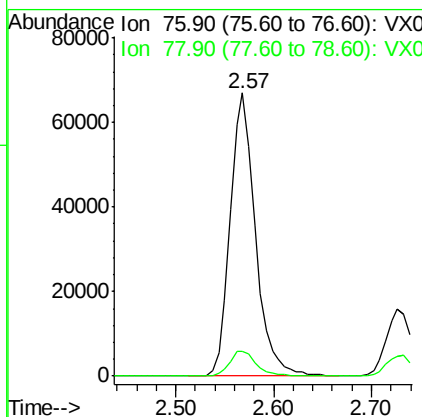
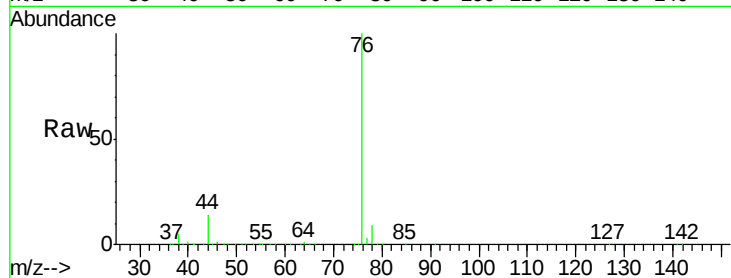
#17
Carbon Disulfide
Concen: 18.771 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX009063.D
Acq: 19 Apr 2019 12:23

Instrument :
MSVOA_X
ClientSampleId :
VX0419MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.2	10.8

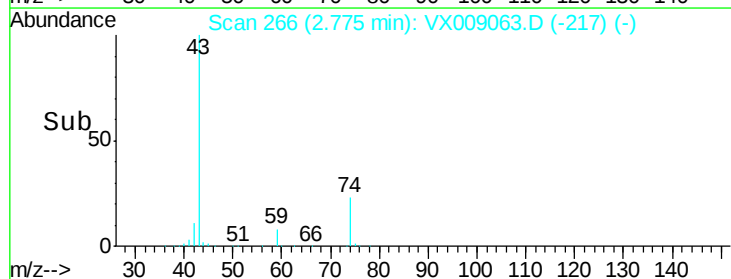
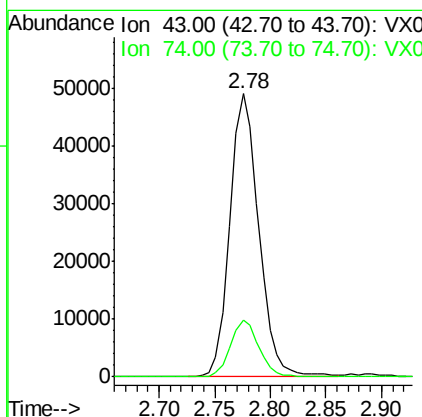
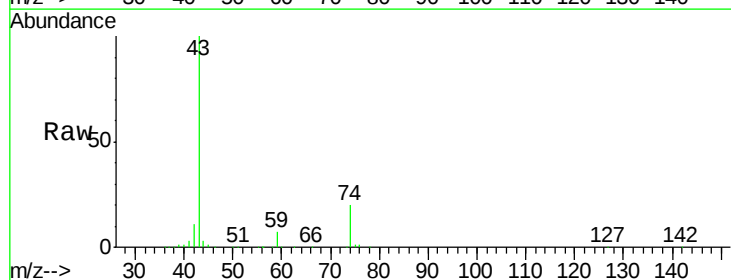
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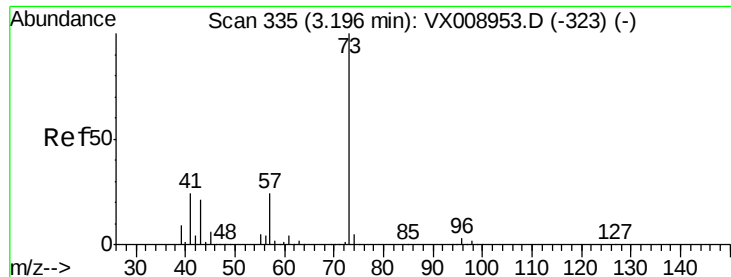
MMDadoda
4/22/2019 10:50:54 AM



#18
Methyl Acetate
Concen: 22.827 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX009063.D
Acq: 19 Apr 2019 12:23

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.1	16.6	25.0





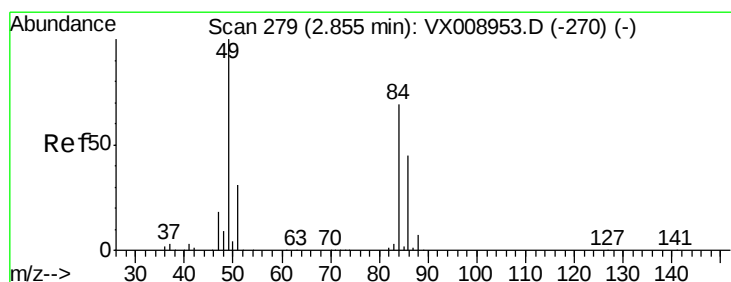
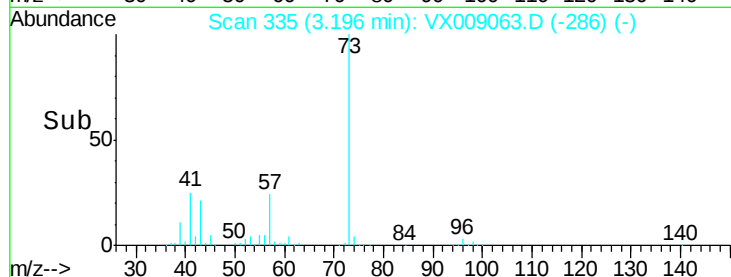
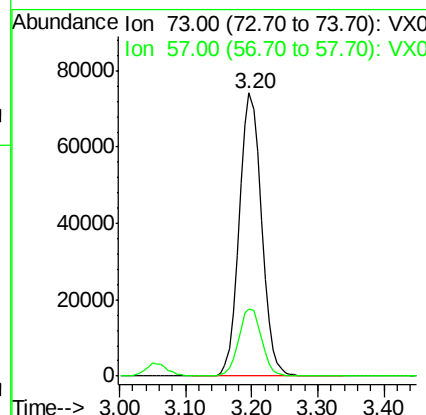
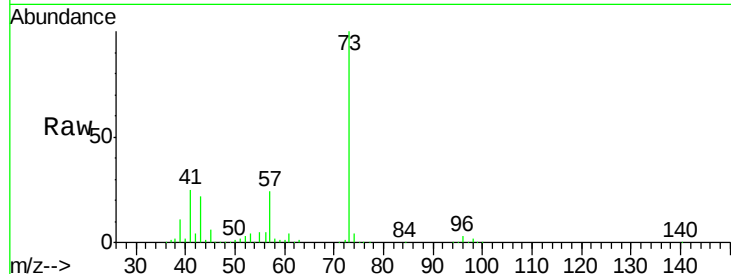
#19
Methyl tert-butyl Ether
Concen: 21.405 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX009063.D
Acq: 19 Apr 2019 12:23

Instrument :
MSVOA_X
ClientSampleId :
VX0419MBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.7	19.2	28.8

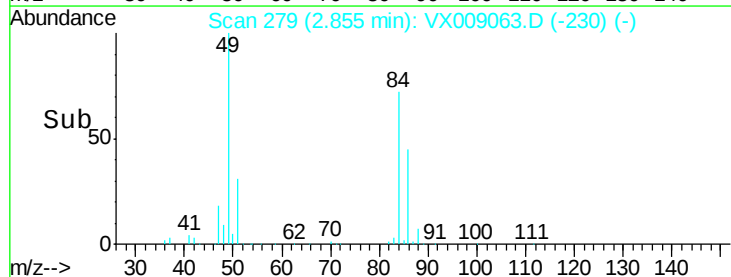
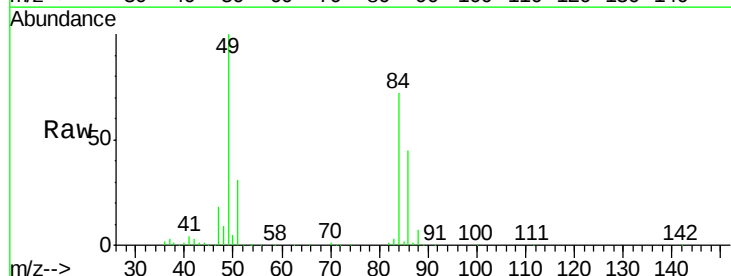
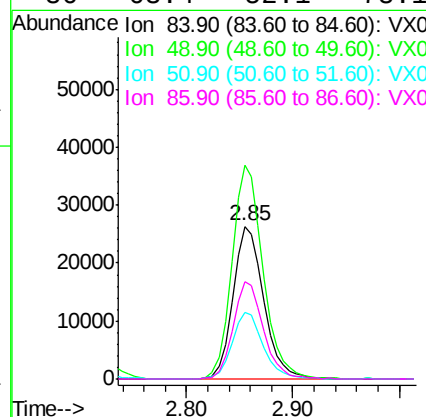
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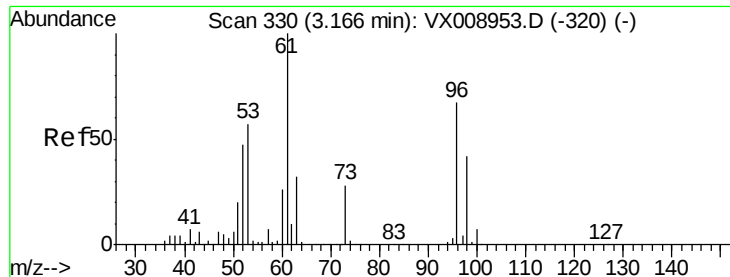
MMDadoda
4/22/2019 10:50:54 AM



#20
Methylene Chloride
Concen: 20.121 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX009063.D
Acq: 19 Apr 2019 12:23

Tgt Ion	Ratio	Lower	Upper
84	100		
49	139.7	115.4	173.0
51	44.0	35.8	53.6
86	63.4	52.1	78.1





#21

trans-1,2-Dichloroethene

Concen: 19.761 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX009063.D

Acq: 19 Apr 2019 12:23

Instrument :

MSVOA_X

ClientSampleId :

VX0419MBS01

Tot Ion: 96 Resp: 47926

Ion Ratio Lower Upper

96 100

61 155.5 120.3 180.5

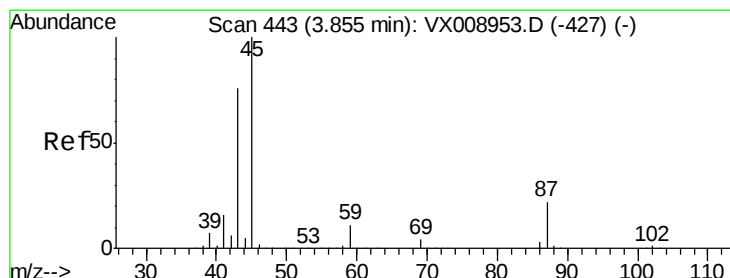
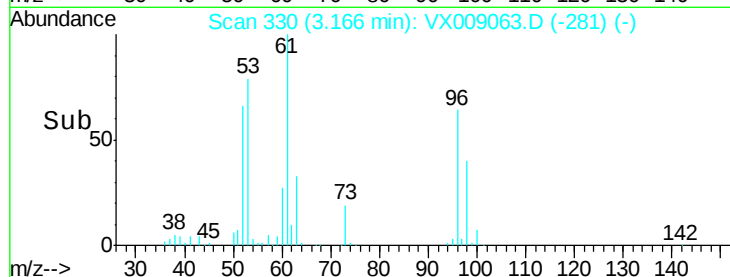
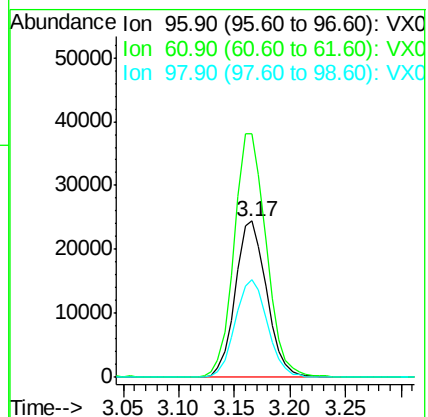
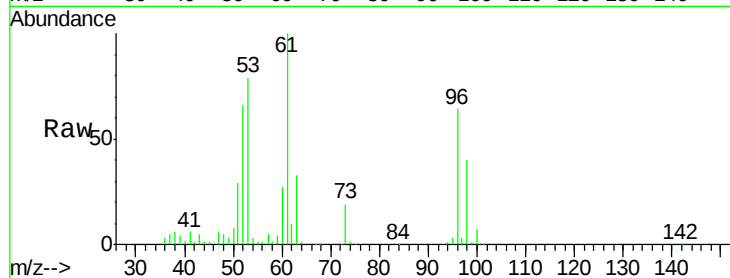
98 62.5 50.2 75.2

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#22

Diisopropyl ether

Concen: 22.170 ug/l

RT: 3.86 min Scan# 444

Delta R.T. 0.01 min

Lab File: VX009063.D

Acq: 19 Apr 2019 12:23

Tgt Ion: 45 Resp: 213713

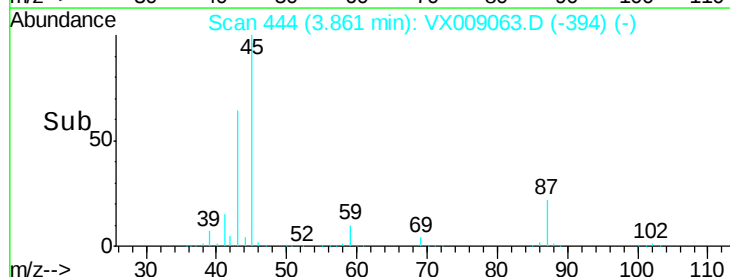
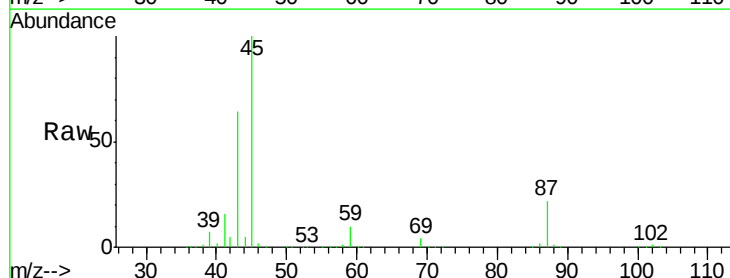
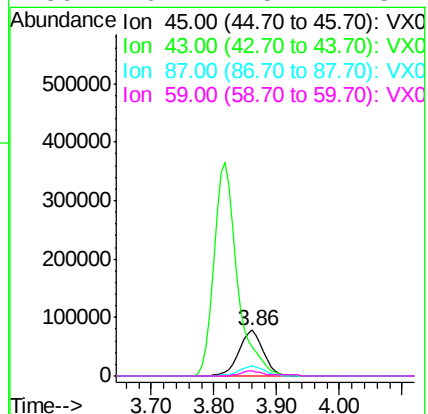
Ion Ratio Lower Upper

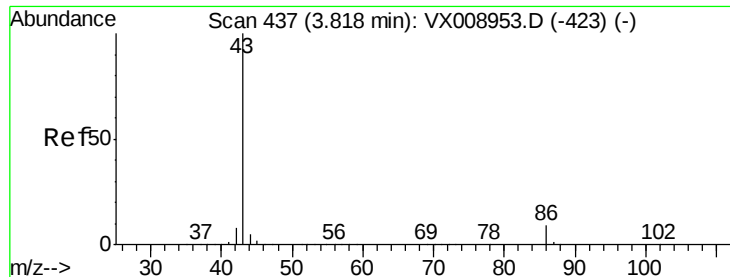
45 100

43 63.9 60.6 91.0

87 21.8 17.8 26.8

59 10.4 8.7 13.1





#23

Vinyl Acetate

Concen: 111.012 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.00 min

Lab File: VX009063.D

Acq: 19 Apr 2019 12:23

Instrument :

MSVOA_X

ClientSampleId :

VX0419MBS01

Tot Ion: 43 Resp: 940662

Ion Ratio Lower Upper

43 100

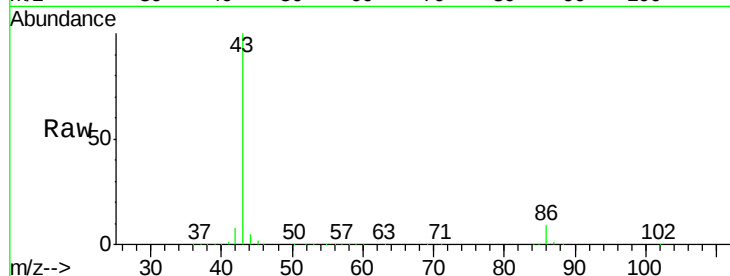
86 8.5 7.1 10.7

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.82

400000

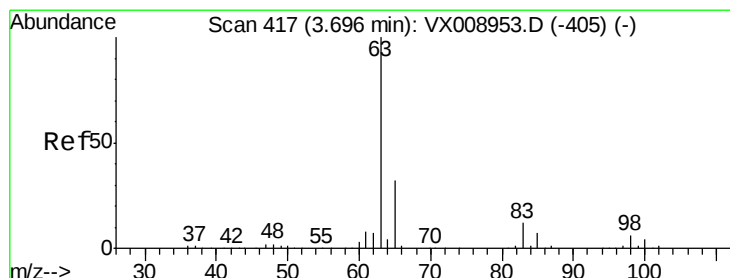
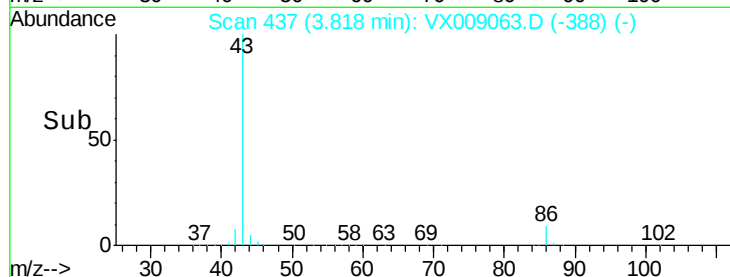
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 21.112 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX009063.D

Acq: 19 Apr 2019 12:23

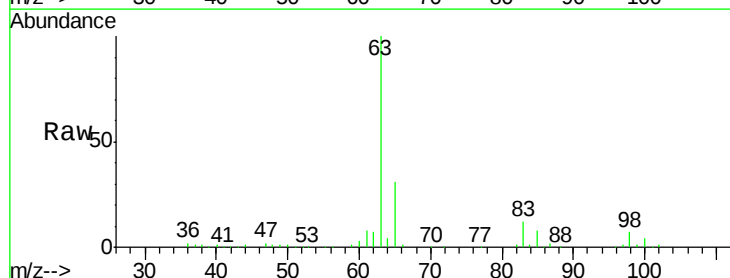
Tgt Ion: 63 Resp: 102157

Ion Ratio Lower Upper

63 100

98 6.6 3.1 9.3

100 4.4 1.9 5.7



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

50000

40000

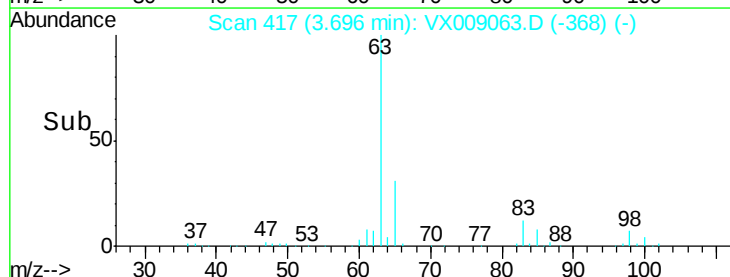
30000

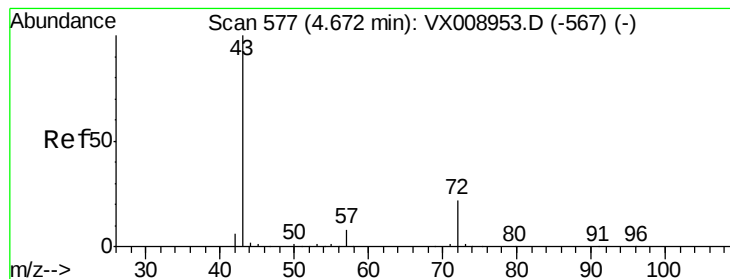
20000

10000

0

Time-->





#25

2-Butanone

Concen: 114.550 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.01 min

Lab File: VX009063.D

Acq: 19 Apr 2019 12:23

Instrument :

MSVOA_X

ClientSampleId :

VX0419MBS01

Tot Ion: 43 Resp: 283728

Ion Ratio Lower Upper

43 100

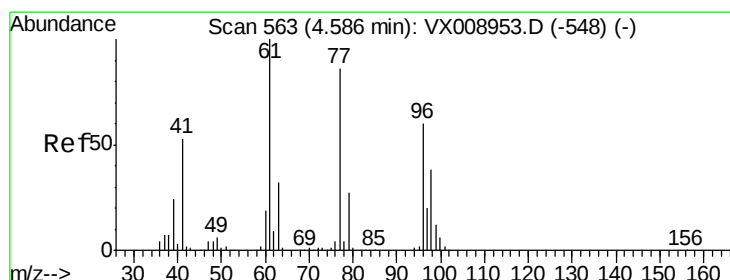
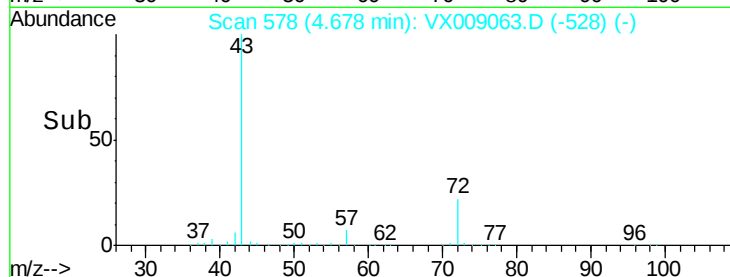
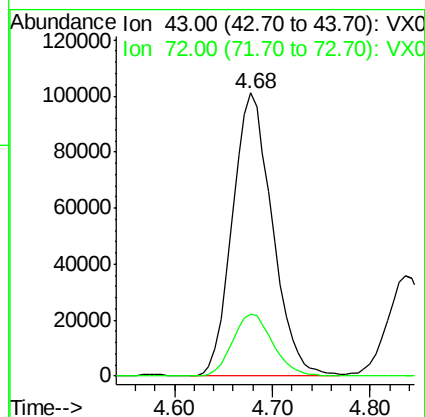
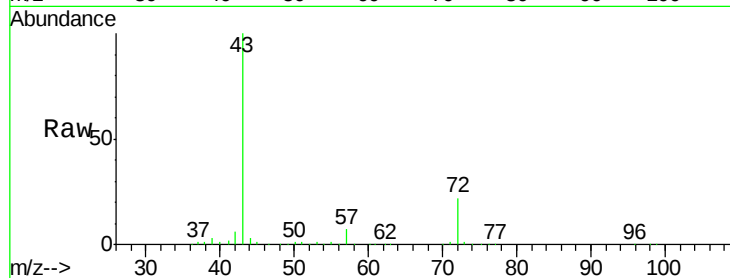
72 21.9 17.5 26.3

Manual Integrations

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MMDadoda

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#26

2,2-Dichloropropane

Concen: 19.723 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.00 min

Lab File: VX009063.D

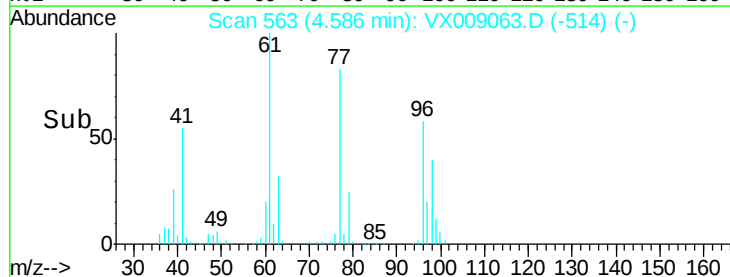
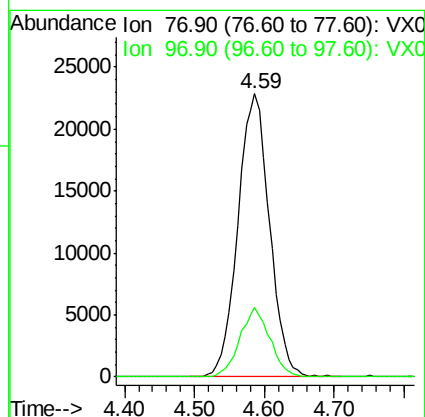
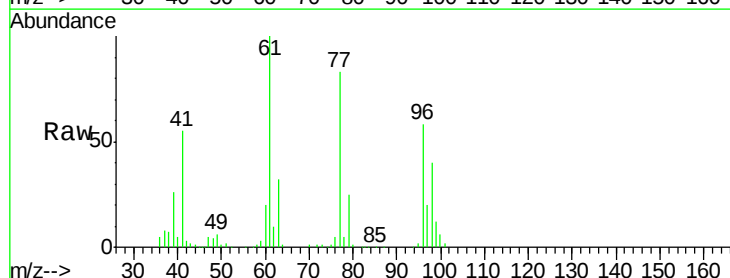
Acq: 19 Apr 2019 12:23

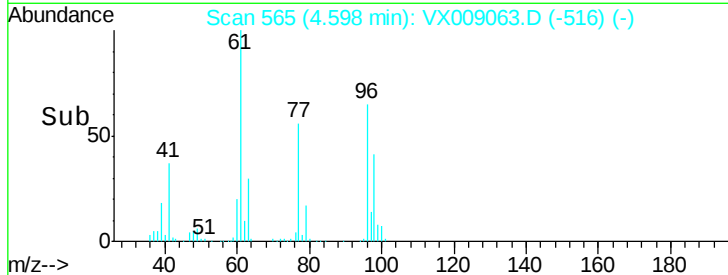
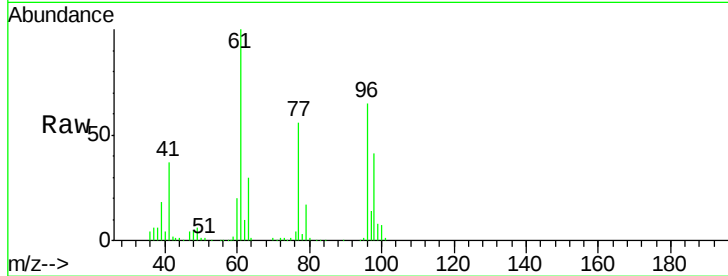
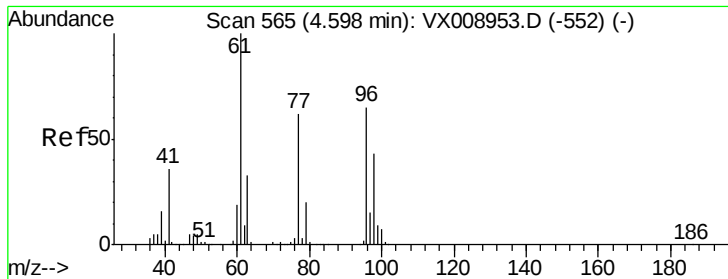
Tgt Ion: 77 Resp: 71538

Ion Ratio Lower Upper

77 100

97 23.5 11.7 35.0





#27

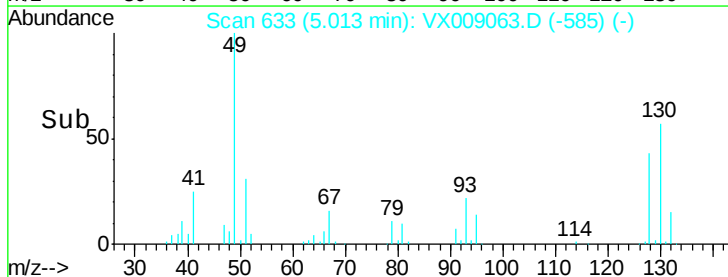
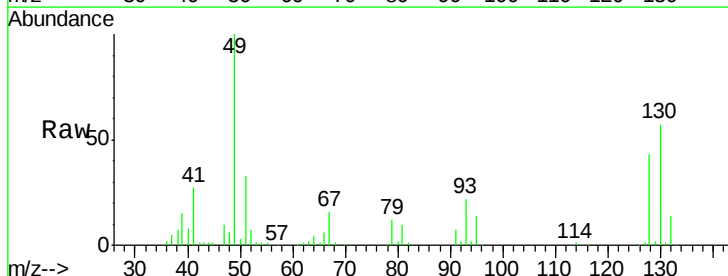
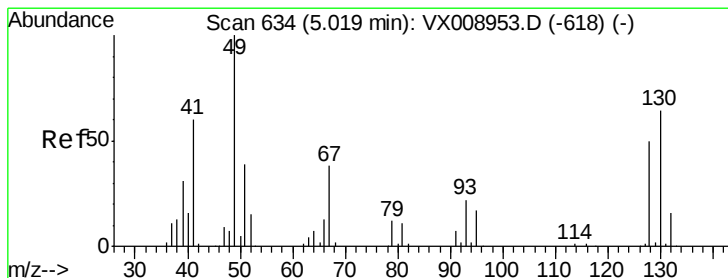
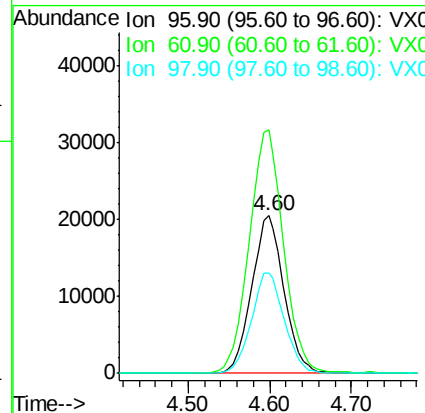
cis-1,2-Dichloroethene
Concen: 20.535 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX009063.D
Acq: 19 Apr 2019 12:23

Tot Ion	Ratio	Resp	Lower	Upper
96	100	56545		
61	164.7		0.0	322.0
98	65.1		0.0	128.4

Instrument :
MSVOA_X
ClientSampleId :
VX0419MBS01

Manual Integrations
APPROVED

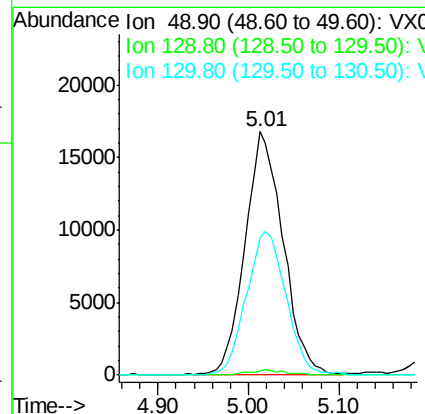
MMDadoda
4/22/2019 10:50:54 AM

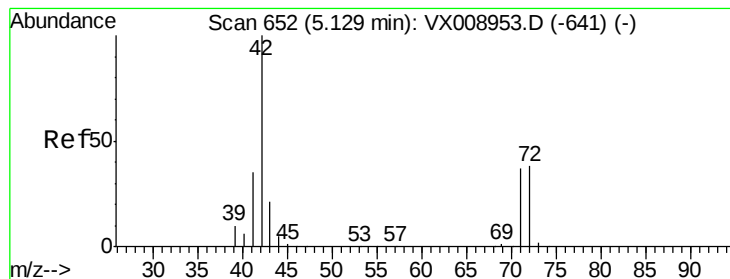


#28

Bromochloromethane
Concen: 23.309 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX009063.D
Acq: 19 Apr 2019 12:23

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	48918		
129	1.9		0.0	3.6
130	61.0		50.4	75.6





#29

Tetrahydrofuran

Concen: 113.320 ug/l

RT: 5.13 min Scan# 652

Delta R.T. -0.00 min

Lab File: VX009063.D

Acq: 19 Apr 2019 12:23

Instrument :

MSVOA_X

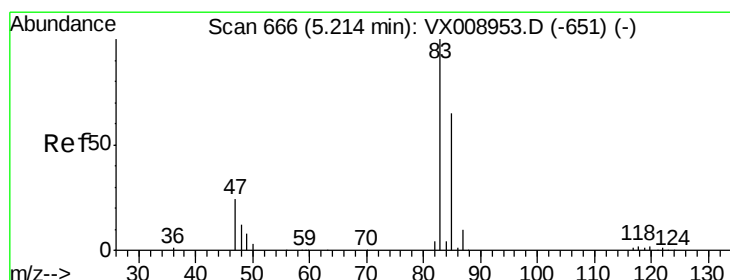
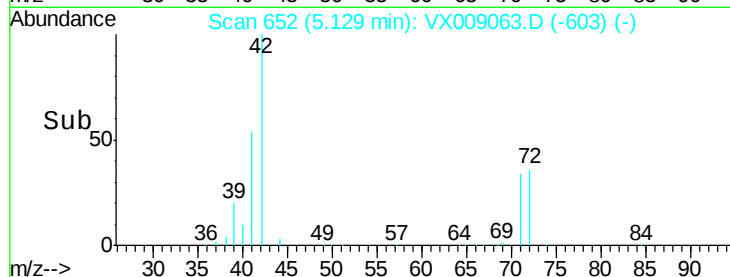
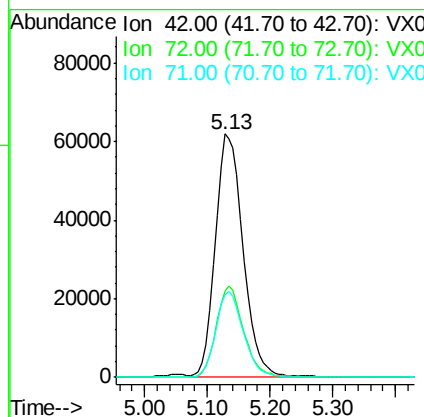
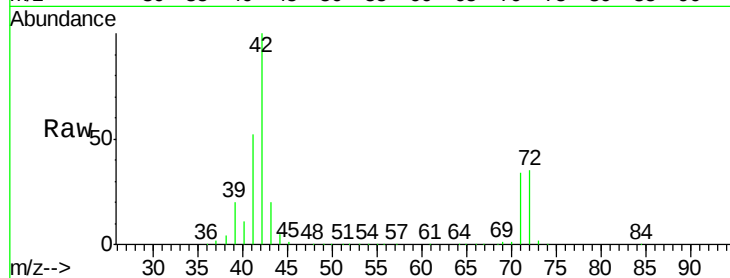
ClientSampleId :

VX0419MBS01

Tot Ion:	42	Resp:	187864
Ion Ratio	Lower	Upper	
42	100		
72	37.5	30.6	45.8
71	35.4	28.8	43.2

Manual Integrations
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#30

Chloroform

Concen: 21.297 ug/l

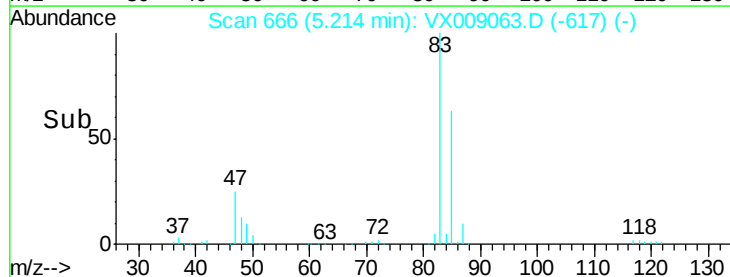
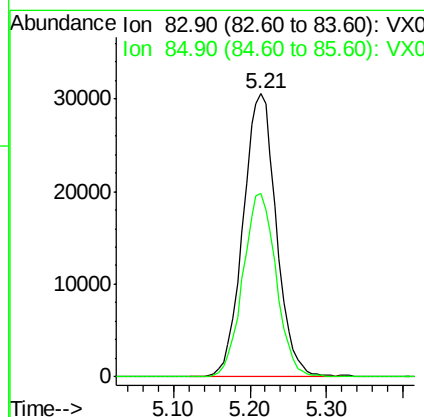
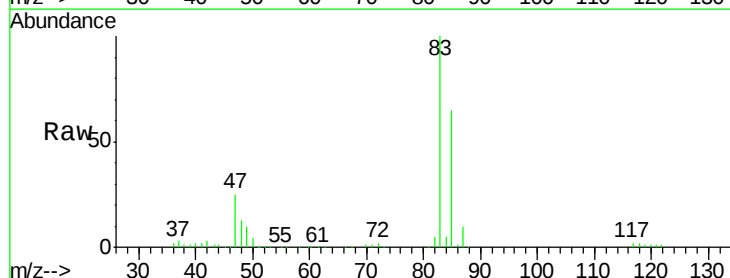
RT: 5.21 min Scan# 666

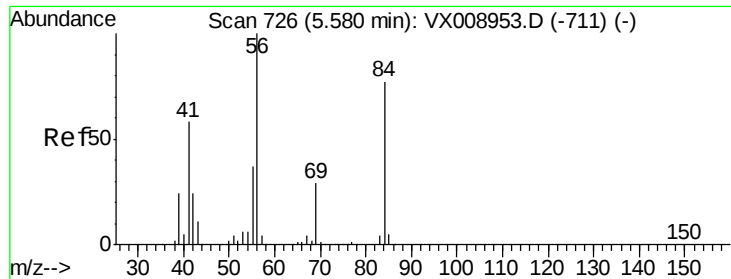
Delta R.T. -0.00 min

Lab File: VX009063.D

Acq: 19 Apr 2019 12:23

Tgt Ion:	83	Resp:	92219
Ion Ratio	Lower	Upper	
83	100		
85	64.9	51.9	77.9





#31

Cyclohexane

Concen: 20.690 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX009063.D

Acq: 19 Apr 2019 12:23

Instrument :

MSVOA_X

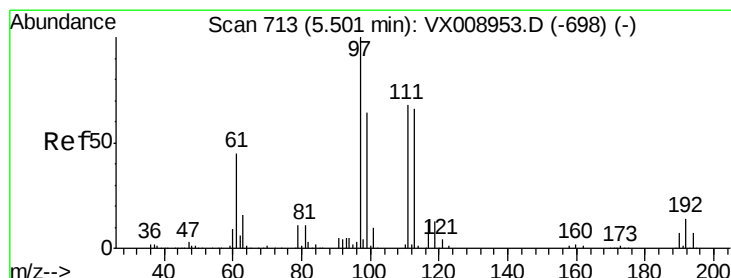
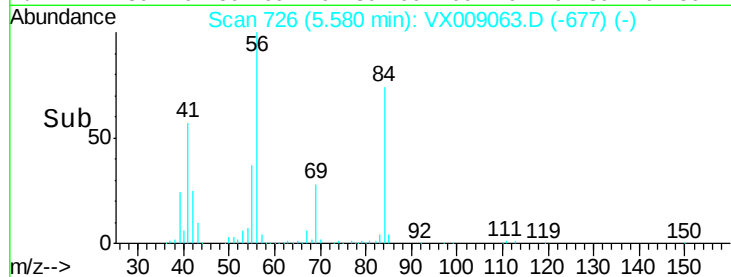
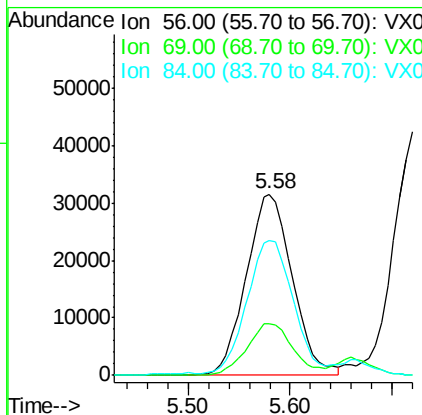
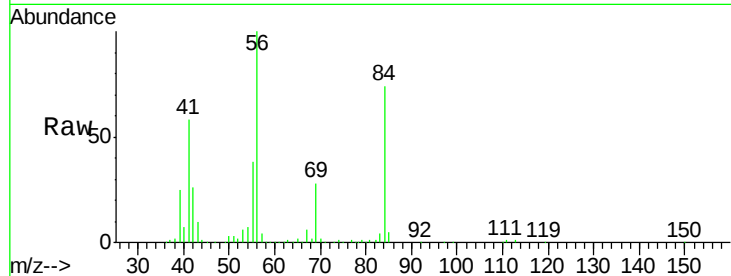
ClientSampleId :

VX0419MBS01

Tot Ion:	56	Resp:	98470
Ion Ratio	Lower	Upper	
56	100		
69	28.5	23.3	34.9
84	73.1	61.7	92.5

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.816 ug/l

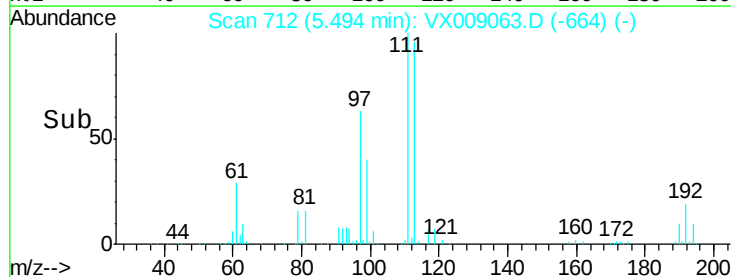
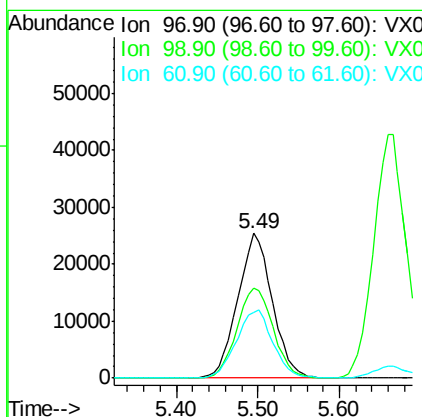
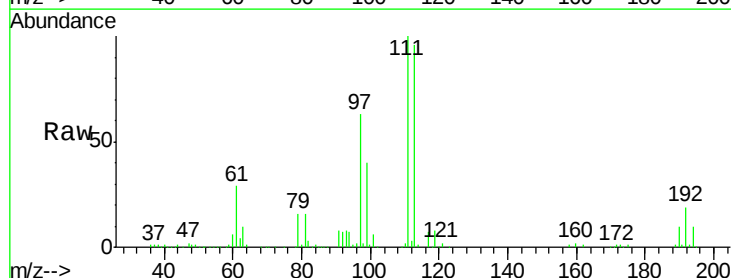
RT: 5.49 min Scan# 712

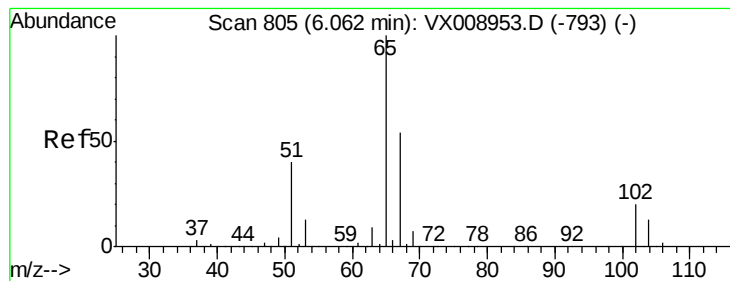
Delta R.T. -0.01 min

Lab File: VX009063.D

Acq: 19 Apr 2019 12:23

Tgt Ion:	97	Resp:	74704
Ion Ratio	Lower	Upper	
97	100		
99	65.4	51.6	77.4
61	49.8	37.9	56.9





#33

1,2-Dichloroethane-d4

Concen: 53.166 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX009063.D

Acq: 19 Apr 2019 12:23

Instrument :

MSVOA_X

ClientSampleId :

VX0419MBS01

Tot Ion: 65 Resp: 158866

Ion Ratio Lower Upper

65 100

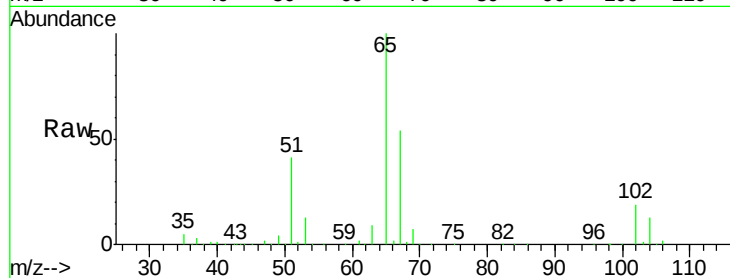
67 54.8 0.0 108.6

Manual Integrations

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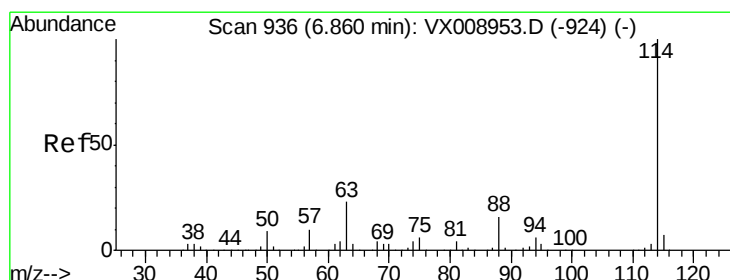
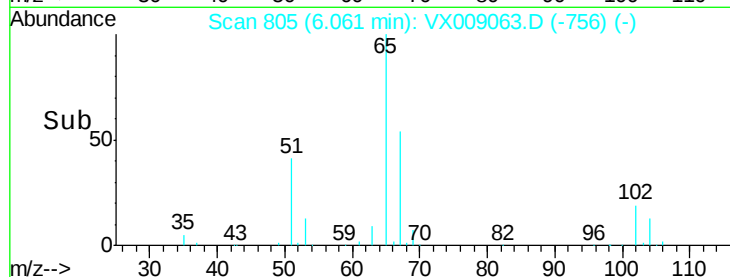
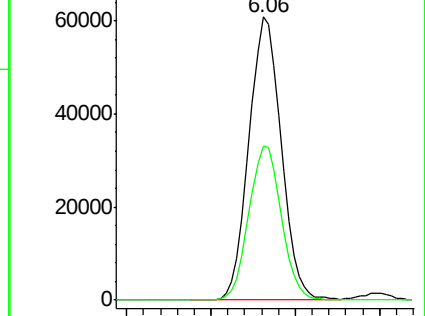
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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX009063.D

Acq: 19 Apr 2019 12:23

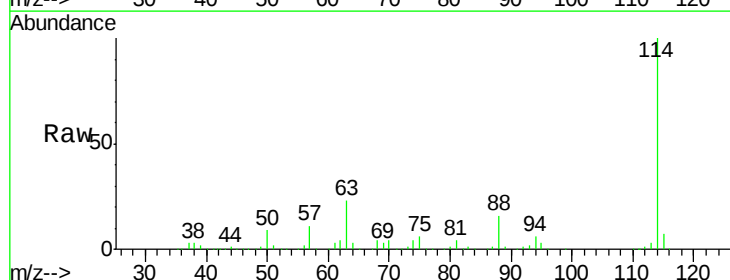
Tgt Ion: 114 Resp: 354207

Ion Ratio Lower Upper

114 100

63 23.3 0.0 46.0

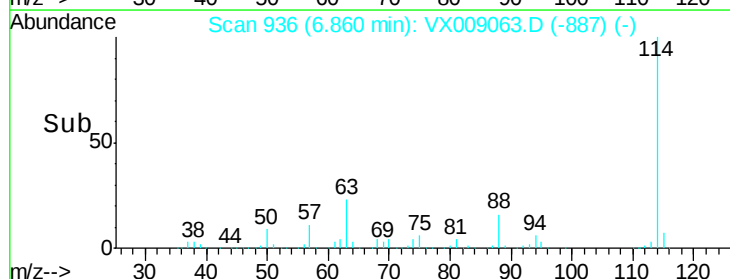
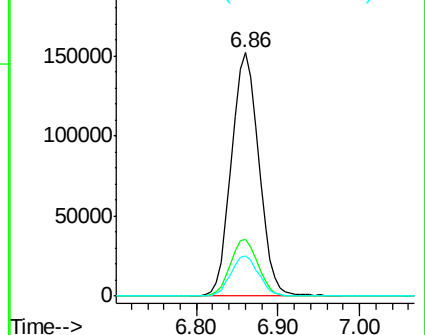
88 16.2 0.0 32.6

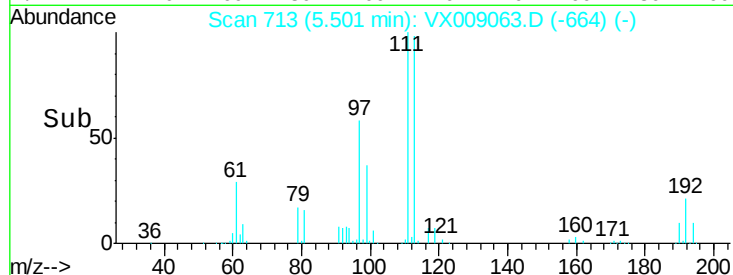
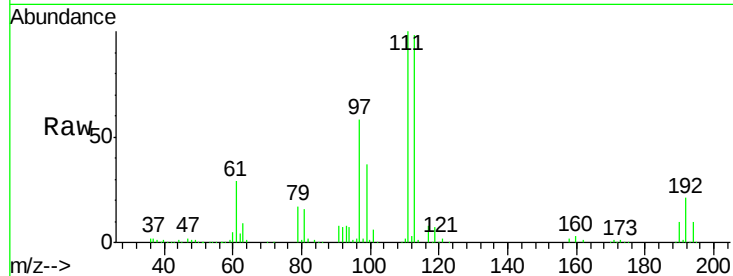


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 51.285 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX009063.D

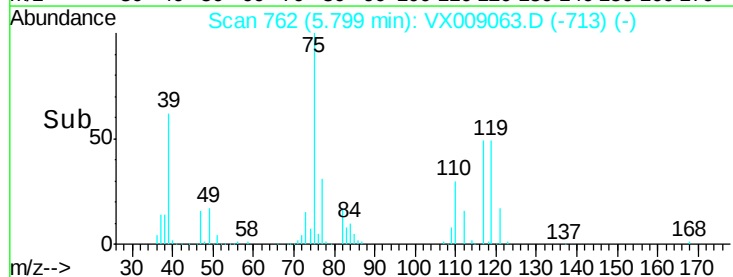
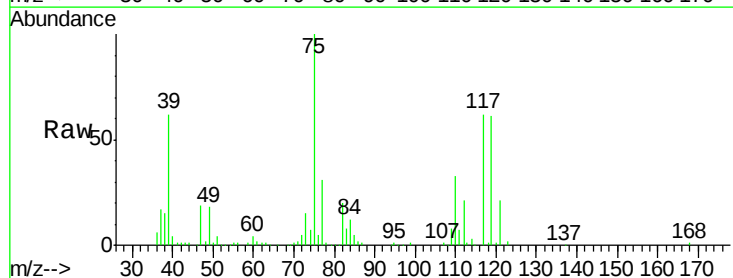
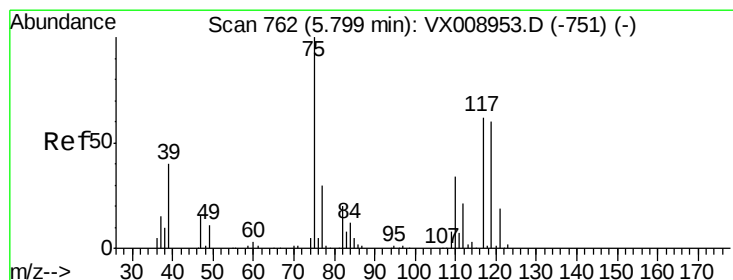
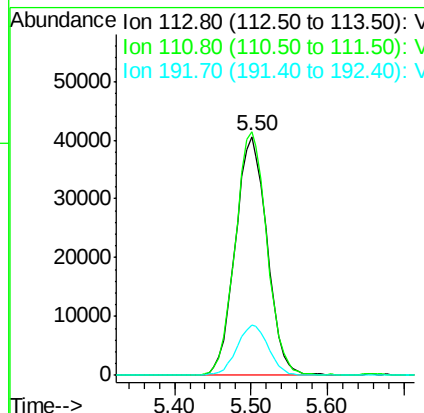
Acq: 19 Apr 2019 12:23

Tot Ion:	113	Resp:	116582
Ion	Ratio	Lower	Upper
113	100		
111	101.8	82.9	124.3
192	21.0	17.4	26.0

Instrument :
MSVOA_X
ClientSampleId :
VX0419MBS01

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 19.105 ug/l

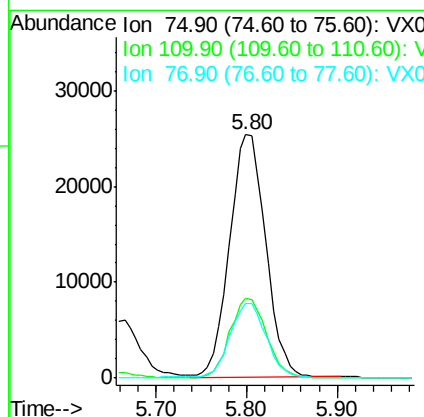
RT: 5.80 min Scan# 762

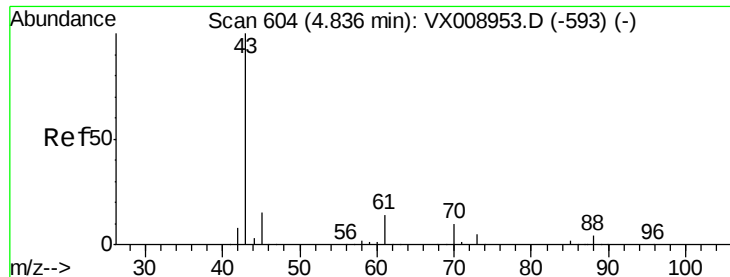
Delta R.T. -0.00 min

Lab File: VX009063.D

Acq: 19 Apr 2019 12:23

Tgt Ion:	75	Resp:	69985
Ion	Ratio	Lower	Upper
75	100		
110	33.6	16.9	50.7
77	31.5	25.0	37.4





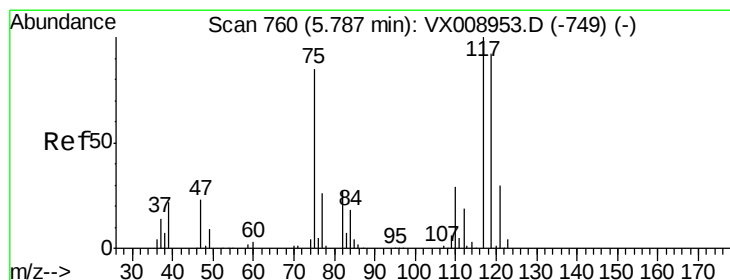
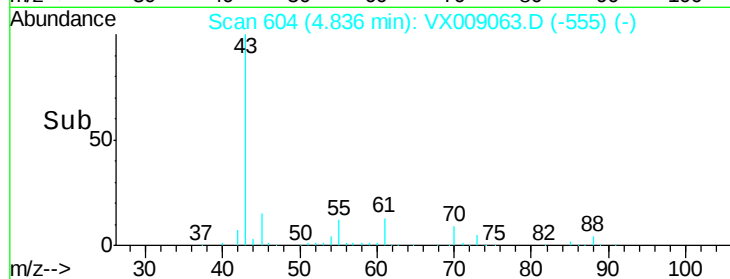
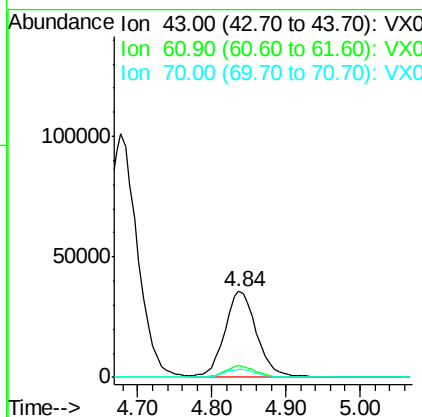
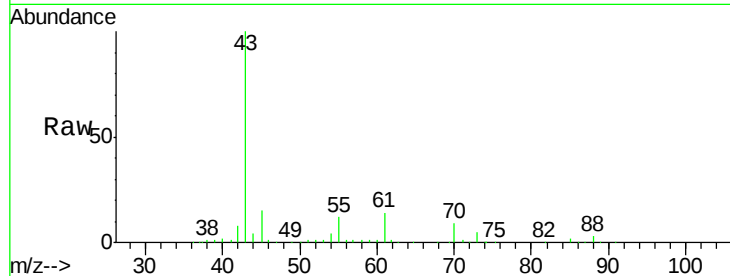
#37
Ethyl Acetate
Concen: 22.411 ug/l
RT: 4.84 min Scan# 604
Delta R.T. -0.00 min
Lab File: VX009063.D
Acq: 19 Apr 2019 12:23

Instrument :
MSVOA_X
ClientSampleId :
VX0419MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.6	15.8
70	9.7	7.7	11.5

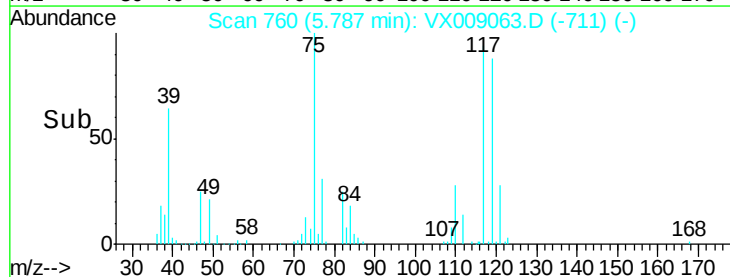
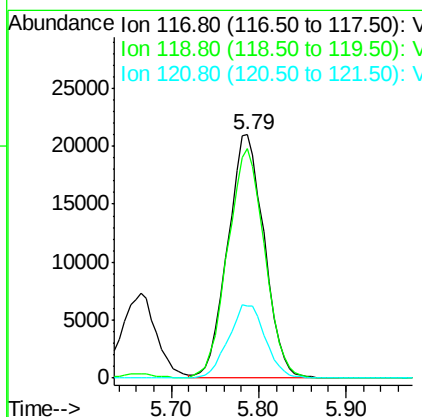
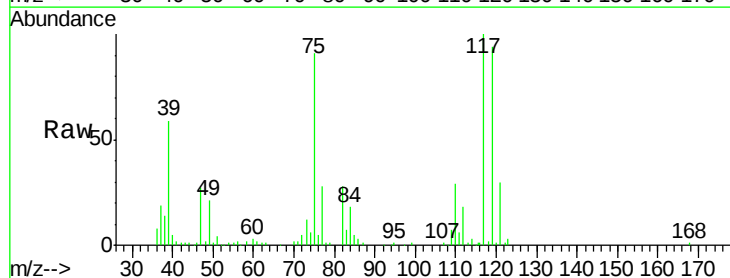
Manual Integrations
APPROVED

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#38
Carbon Tetrachloride
Concen: 19.661 ug/l
RT: 5.79 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX009063.D
Acq: 19 Apr 2019 12:23

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.1	73.8	110.8
121	29.5	23.6	35.4





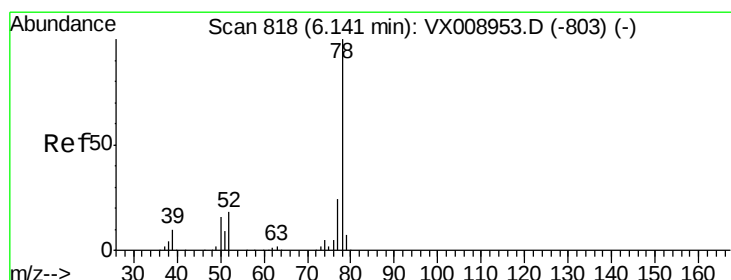
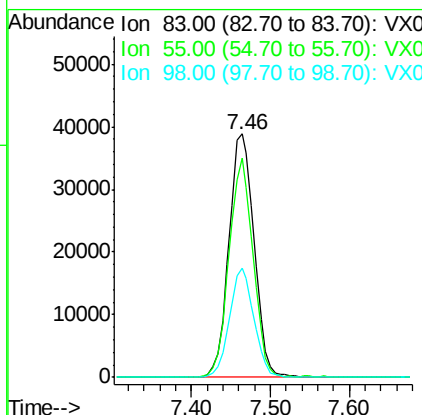
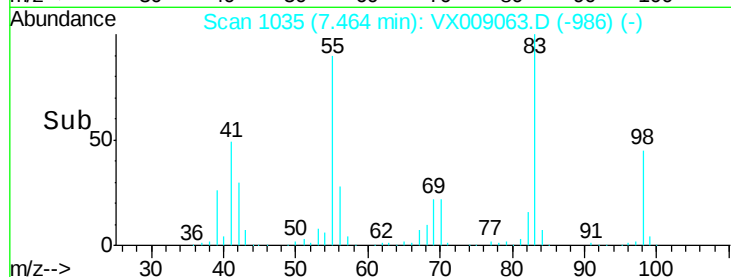
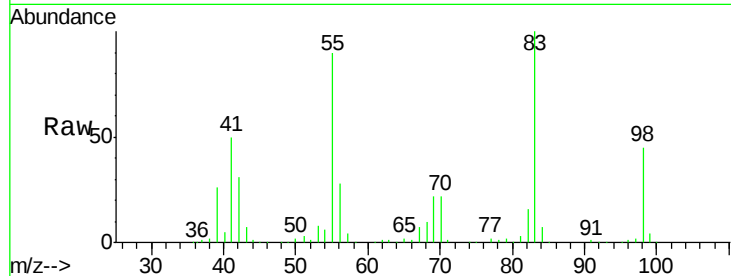
#39
Methylvlcvclohexane
Concen: 19.372 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX009063.D
Acq: 19 Apr 2019 12:23

Instrument :
MSVOA_X
ClientSampleId :
VX0419MBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	89.7	67.1	100.7
98	44.9	35.1	52.7

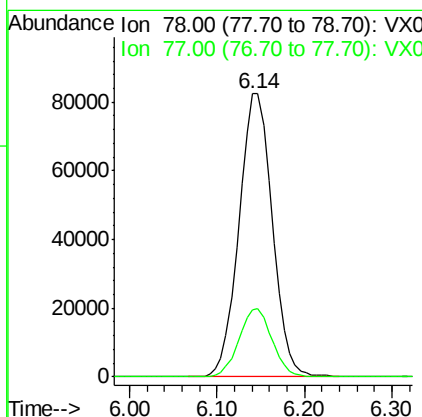
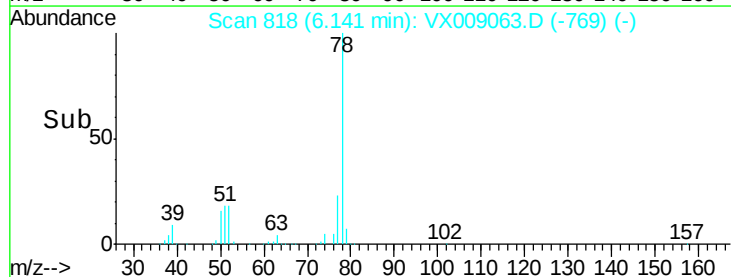
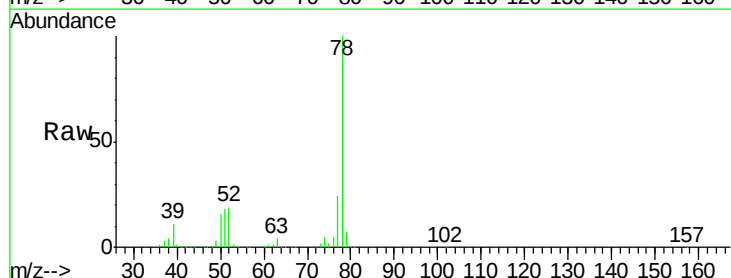
Manual Integrations
APPROVED

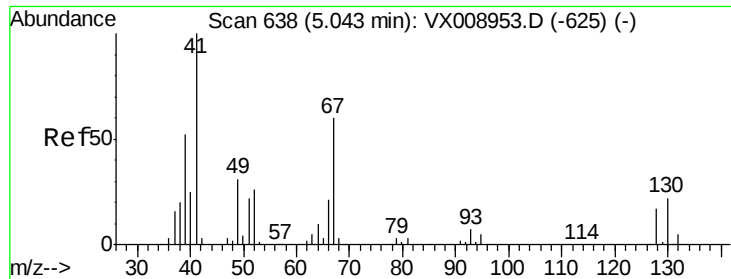
MMDadoda
4/22/2019 10:50:54 AM



#40
Benzene
Concen: 20.193 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX009063.D
Acq: 19 Apr 2019 12:23

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.0	28.6





#41

Methacrylonitrile

Concen: 22.275 ug/l

RT: 5.04 min Scan# 638

Delta R.T. -0.00 min

Lab File: VX009063.D

Acq: 19 Apr 2019 12:23

Instrument :

MSVOA_X

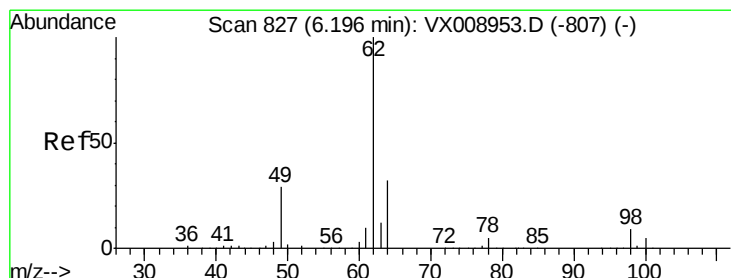
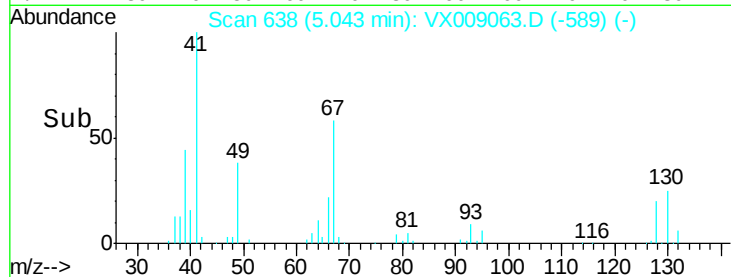
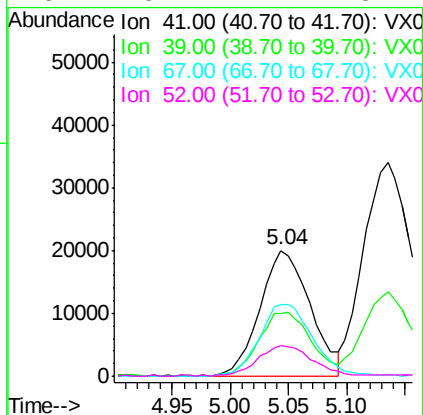
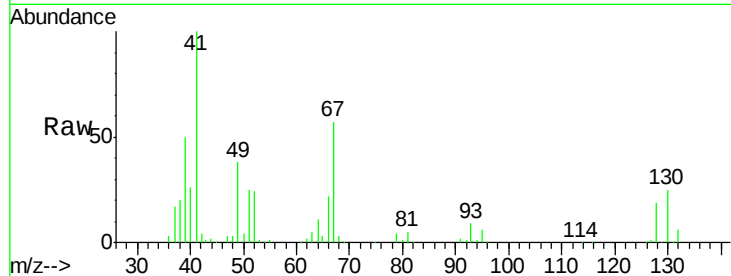
ClientSampleId :

VX0419MBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.1	41.8	62.6	
67	60.7	50.2	75.4	
52	25.4	21.1	31.7	

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 20.649 ug/l

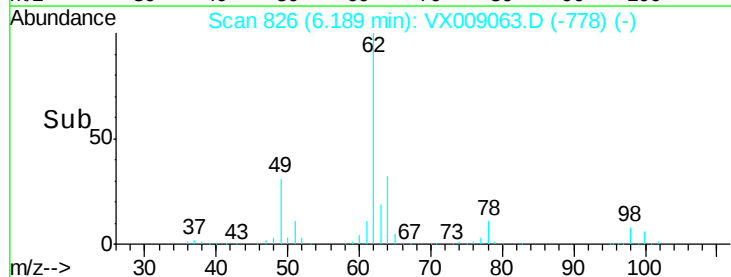
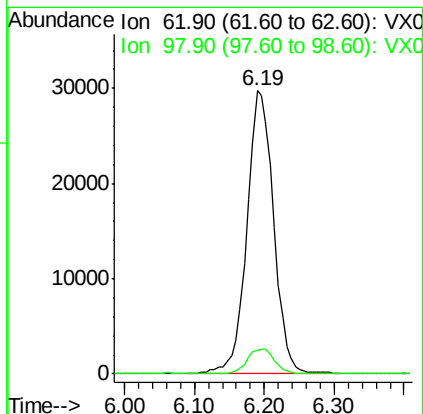
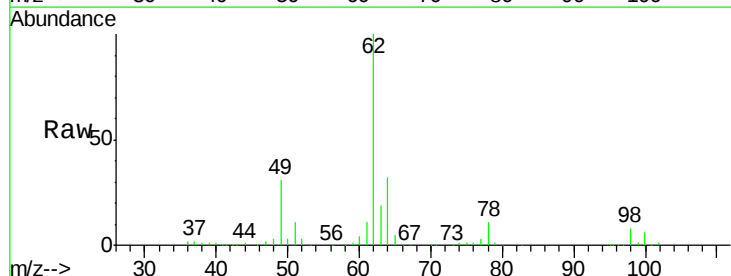
RT: 6.19 min Scan# 826

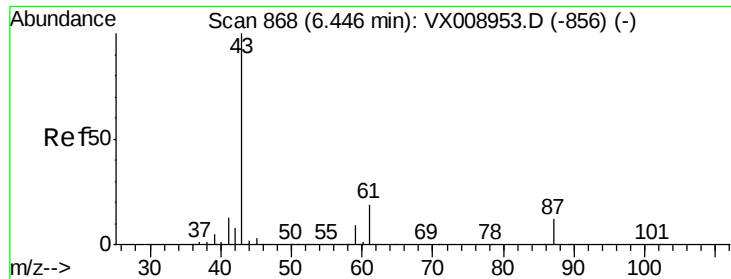
Delta R.T. -0.01 min

Lab File: VX009063.D

Acq: 19 Apr 2019 12:23

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.0	0.0	18.4	





#43

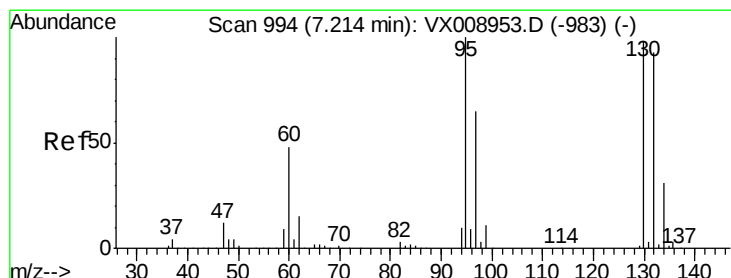
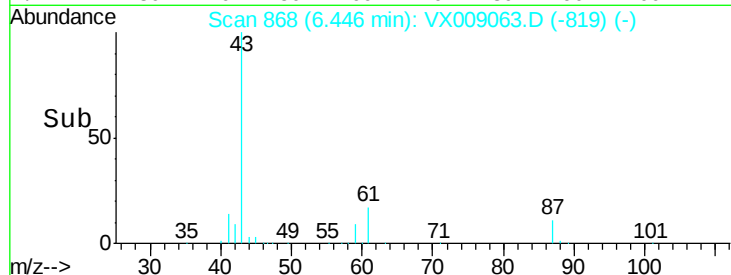
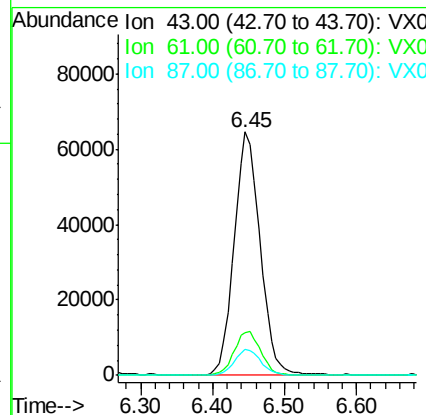
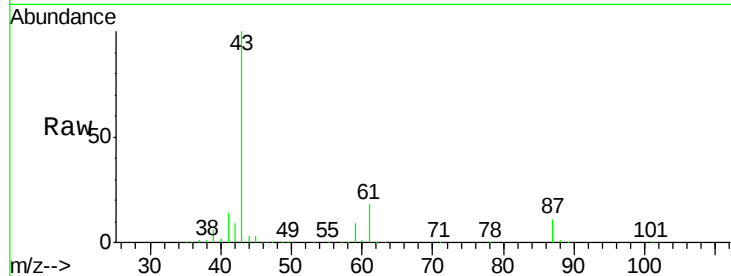
Isopropyl Acetate
 Concen: 21.251 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. -0.00 min
 Lab File: VX009063.D
 Acq: 19 Apr 2019 12:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0419MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.6	15.4	23.0
87	11.1	9.0	13.4

Manual Integrations
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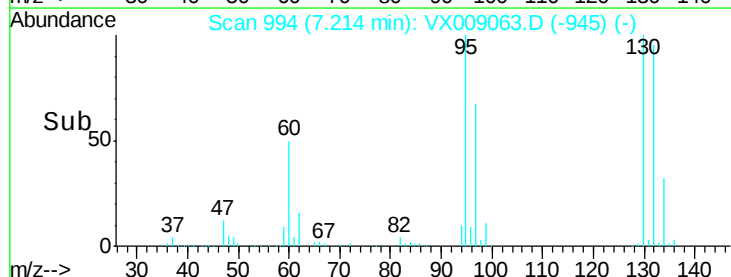
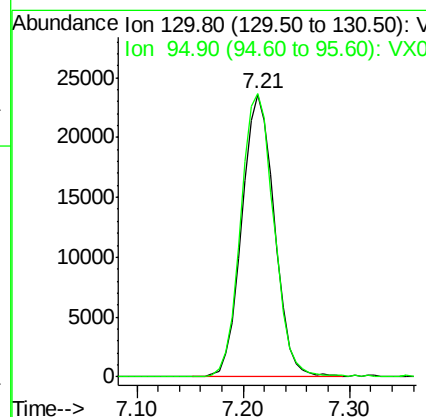
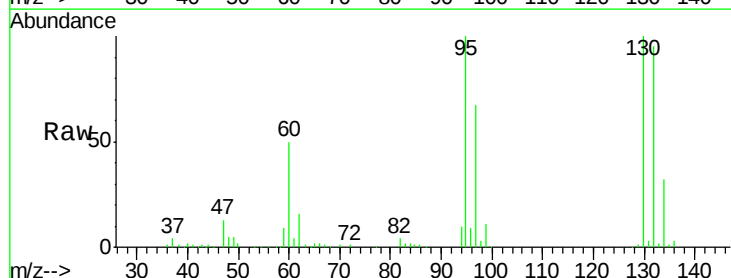
MMDadoda
 4/22/2019 10:50:54 AM

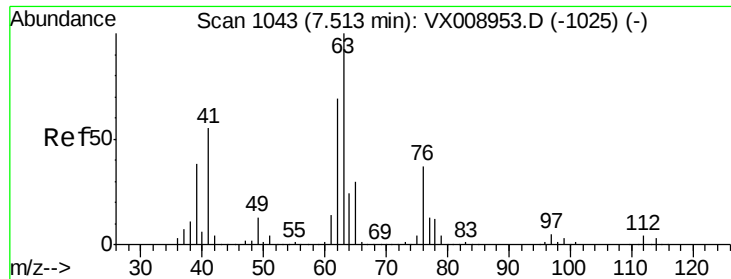


#44

Trichloroethene
 Concen: 19.136 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX009063.D
 Acq: 19 Apr 2019 12:23

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.1	0.0	203.2





#45

1,2-Dichloropropane

Concen: 20.584 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX009063.D

Acq: 19 Apr 2019 12:23

Instrument :

MSVOA_X

ClientSampleId :

VX0419MBS01

Tot Ion: 63 Resp: 61712

Ion Ratio Lower Upper

63 100

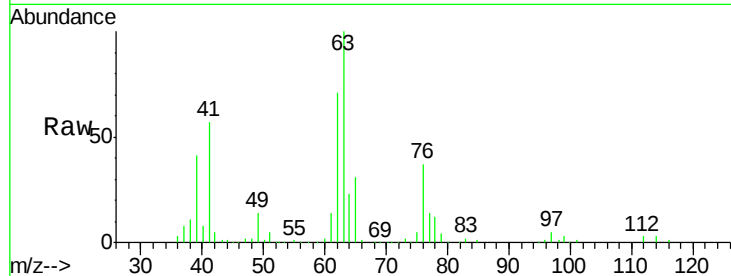
65 31.5 24.1 36.1

Manual Integrations

APPROVED

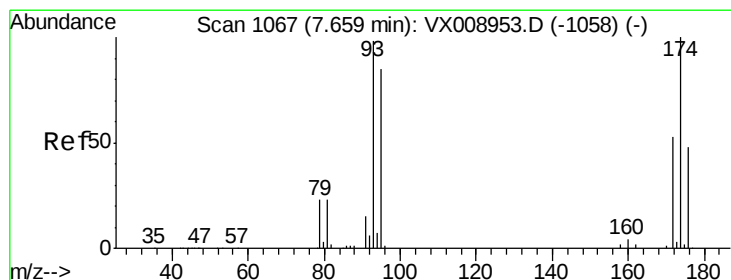
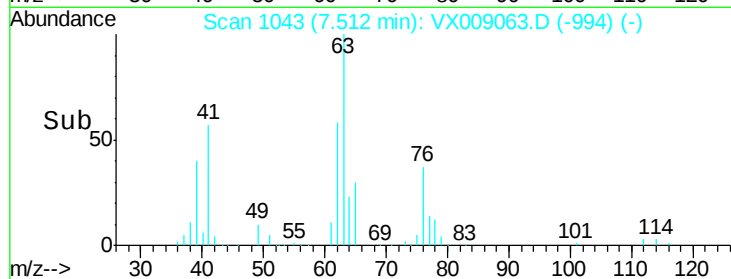
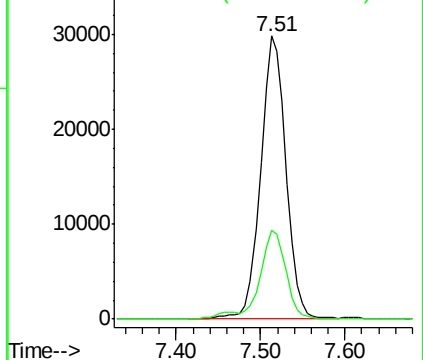
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 20.098 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX009063.D

Acq: 19 Apr 2019 12:23

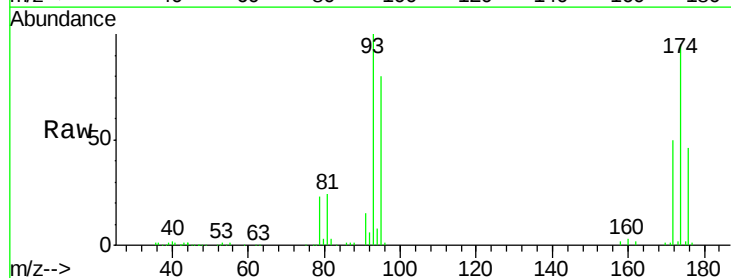
Tgt Ion: 93 Resp: 35067

Ion Ratio Lower Upper

93 100

95 82.8 67.0 100.4

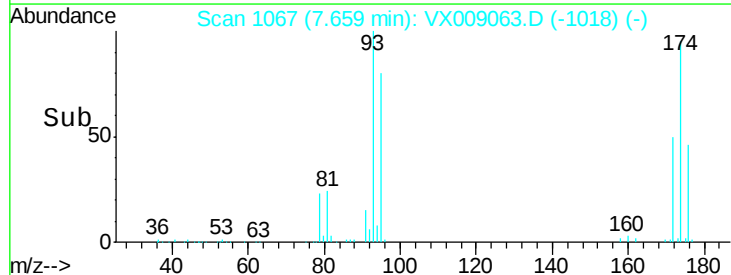
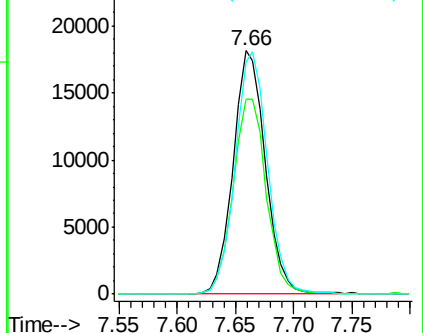
174 100.1 81.6 122.4

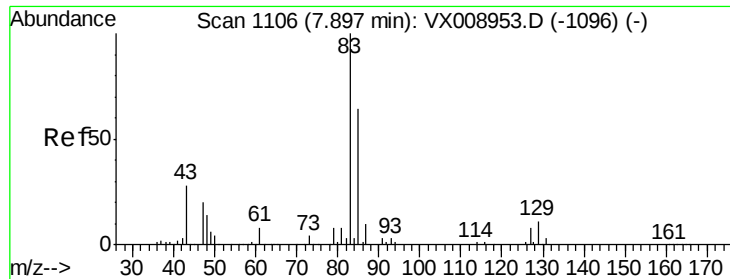


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.648 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX009063.D

Acq: 19 Apr 2019 12:23

Instrument :

MSVOA_X

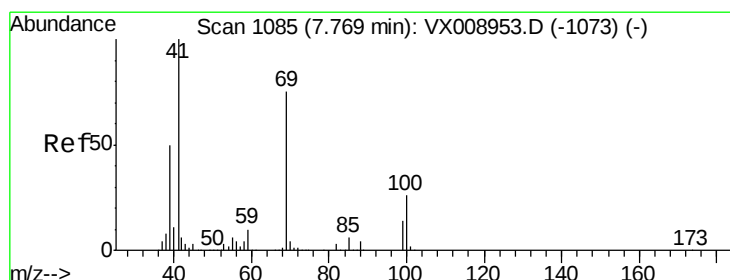
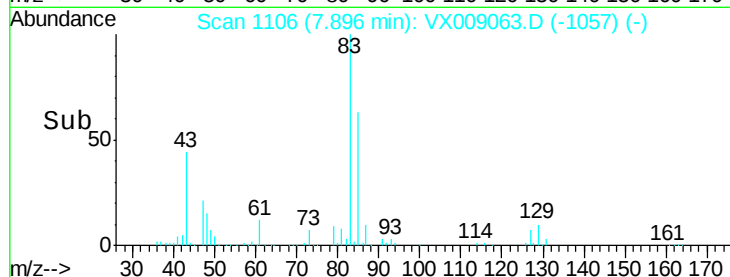
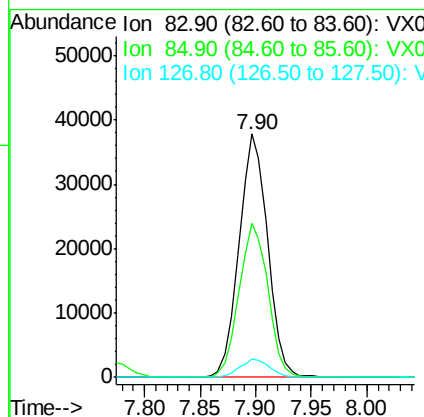
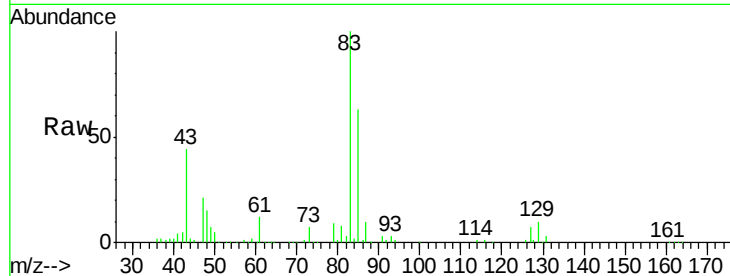
ClientSampleId :

VX0419MBS01

Tot Ion:	83	Resp:	67240
Ion	Ratio	Lower	Upper
83	100		
85	63.2	50.8	76.2
127	7.5	6.4	9.6

Manual Integrations
APPROVED

MMDadoda
4/22/2019 10:50:54 AM



#48

Methyl methacrylate

Concen: 21.523 ug/l

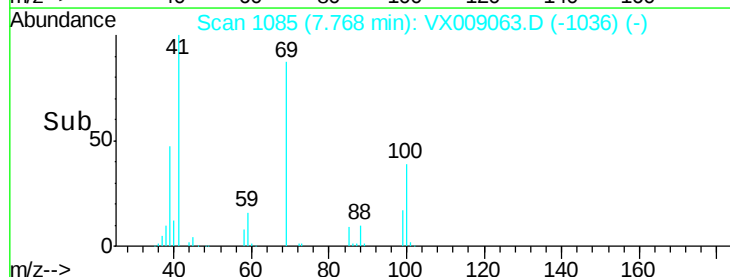
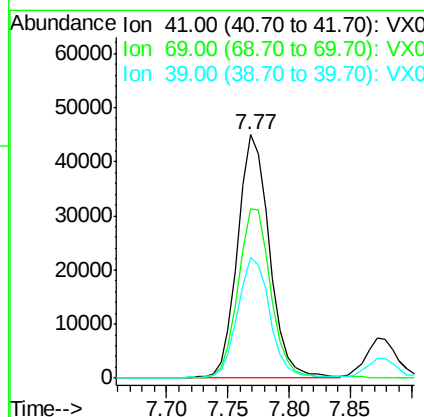
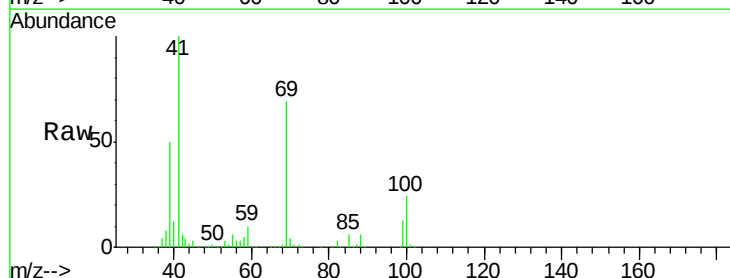
RT: 7.77 min Scan# 1085

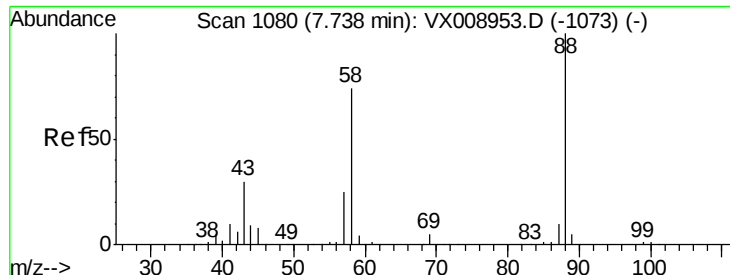
Delta R.T. -0.00 min

Lab File: VX009063.D

Acq: 19 Apr 2019 12:23

Tgt Ion:	41	Resp:	80784
Ion	Ratio	Lower	Upper
41	100		
69	72.0	59.4	89.2
39	51.0	39.8	59.6





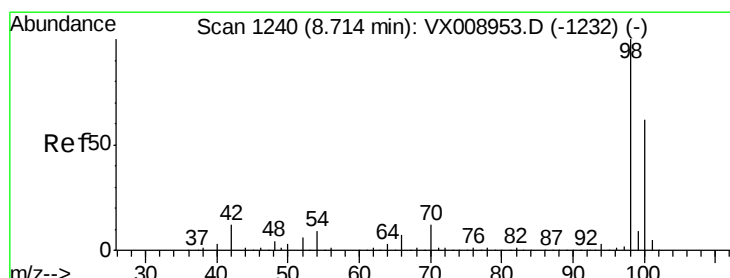
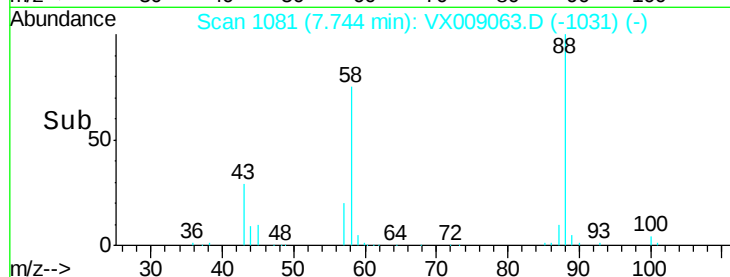
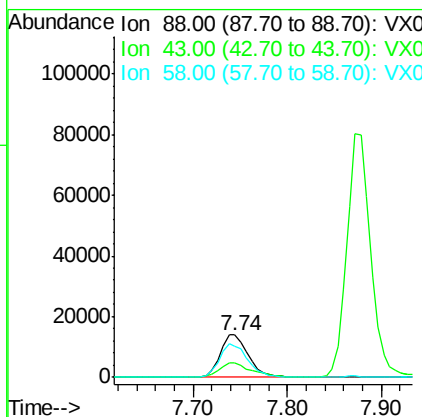
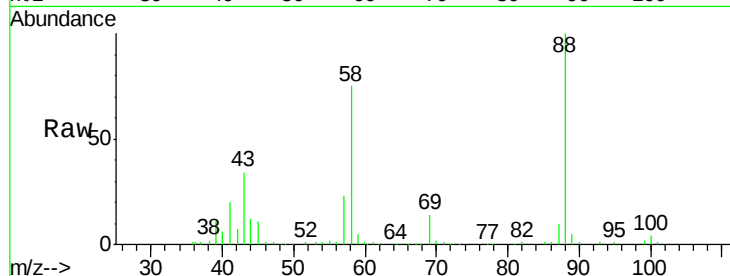
#49
1,4-Dioxane
Concen: 411.604 ug/l
RT: 7.74 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VX009063.D
Acq: 19 Apr 2019 12:23

Instrument :
MSVOA_X
ClientSampled :
VX0419MBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.9	29.3	43.9
58	80.9	62.6	93.8

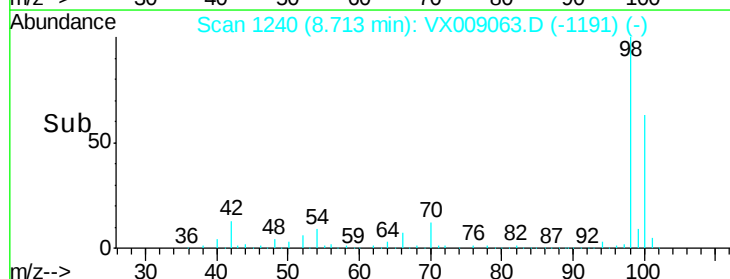
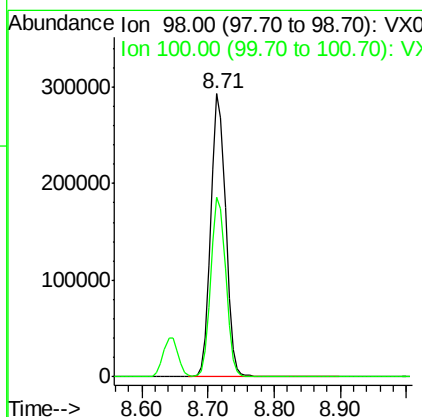
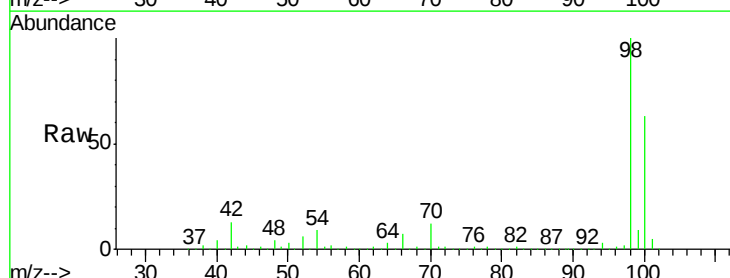
Manual Integrations
APPROVED

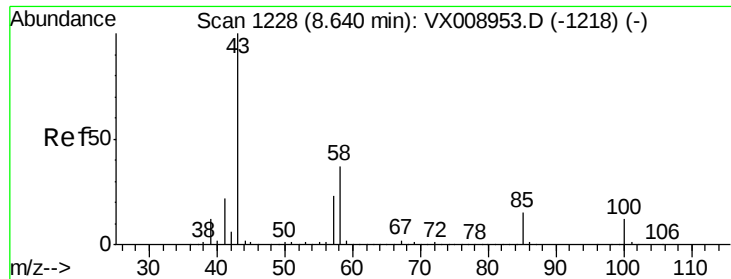
MMDadoda
4/22/2019 10:50:54 AM



#50
Toluene-d8
Concen: 50.602 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009063.D
Acq: 19 Apr 2019 12:23

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.8	51.4	77.2





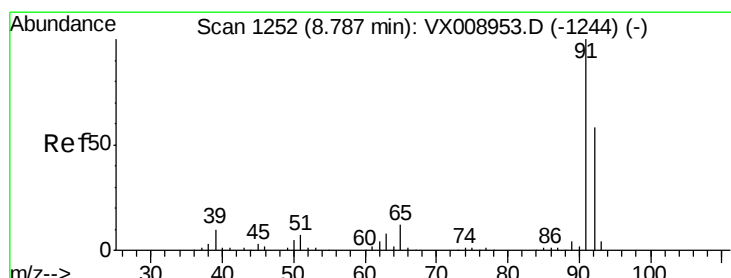
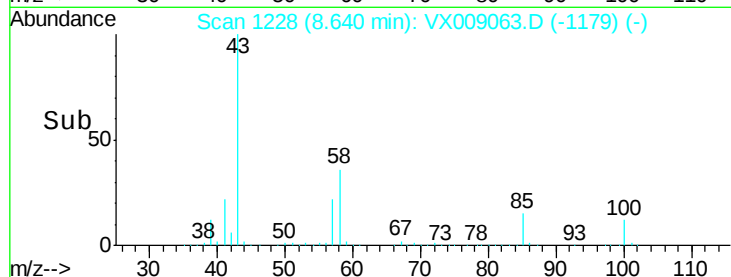
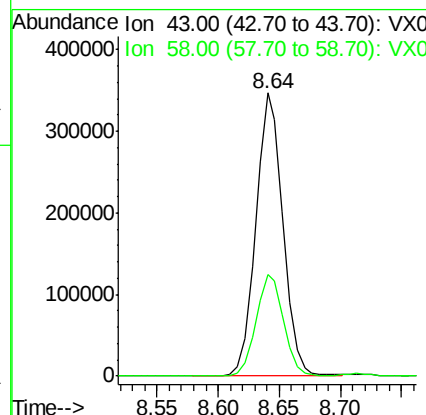
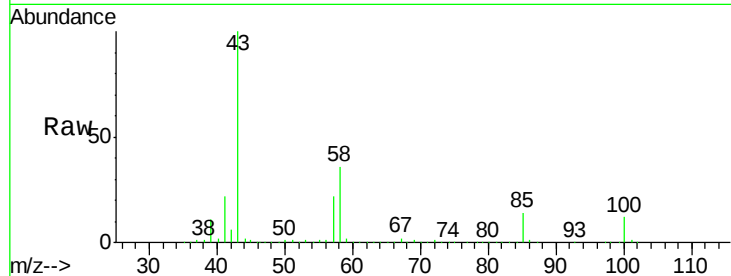
#51
4-Methyl-2-Pentanone
Concen: 110.341 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. -0.00 min
Lab File: VX009063.D
Acq: 19 Apr 2019 12:23

Instrument :
MSVOA_X
ClientSampleId :
VX0419MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	36.5	29.8	44.6

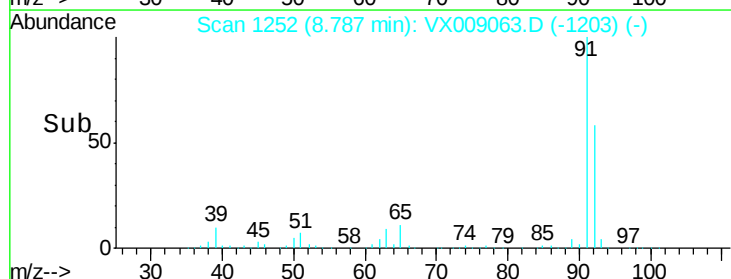
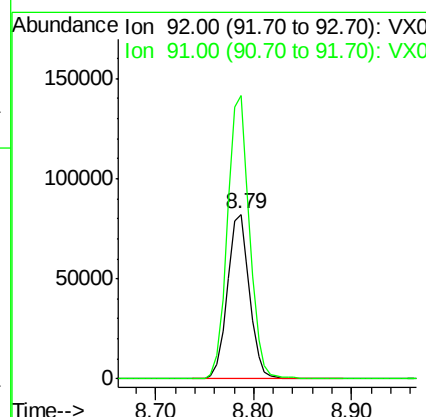
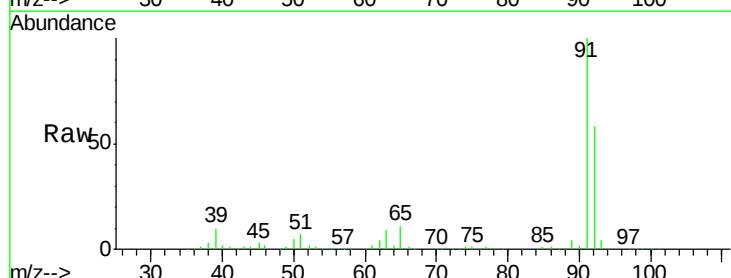
Manual Integrations
APPROVED

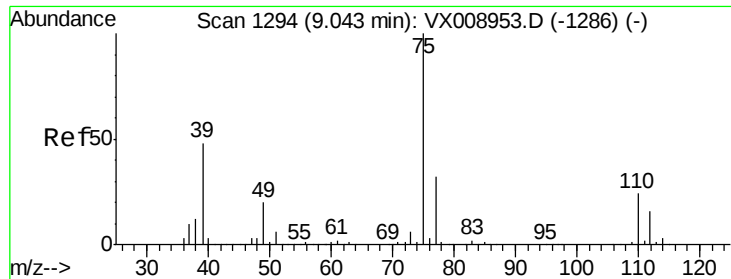
MMDadoda
4/22/2019 10:50:54 AM



#52
Toluene
Concen: 19.842 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VX009063.D
Acq: 19 Apr 2019 12:23

Tgt Ion	Ratio	Lower	Upper
92	100		
91	172.1	138.5	207.7





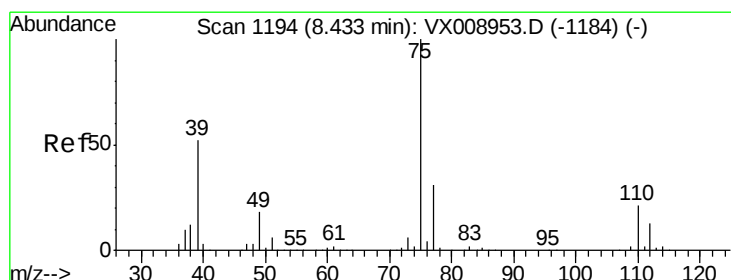
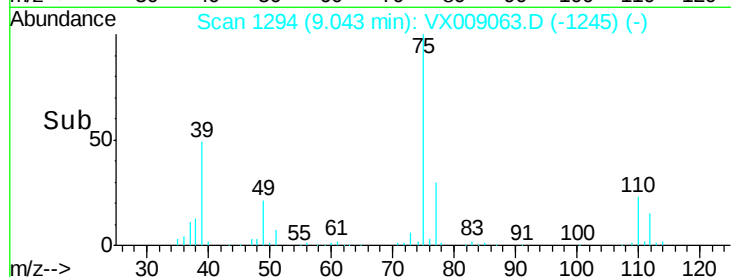
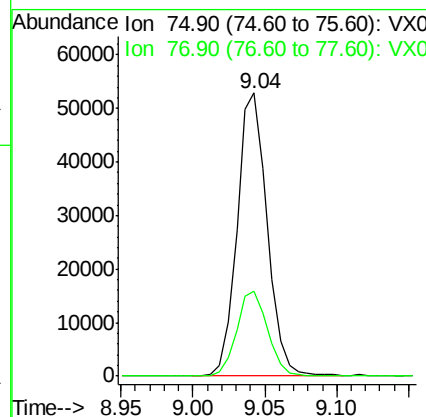
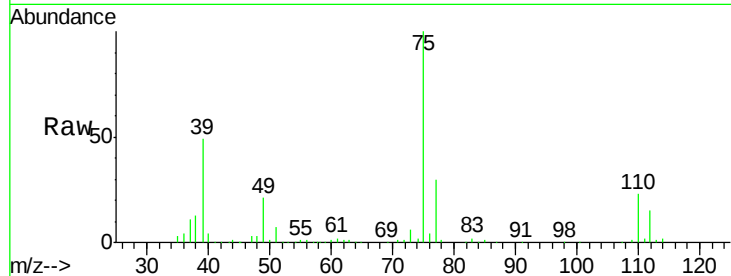
#53
t-1,3-Dichloropropene
Concen: 19.551 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX009063.D
Acq: 19 Apr 2019 12:23

Instrument :
MSVOA_X
ClientSampleId :
VX0419MBS01

Tot Ion: 75 Resp: 77001
Ion Ratio Lower Upper
75 100
77 30.0 25.4 38.2

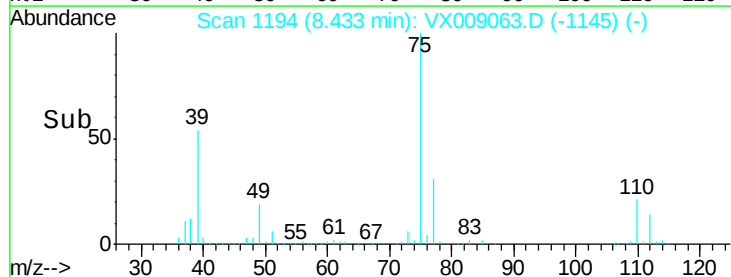
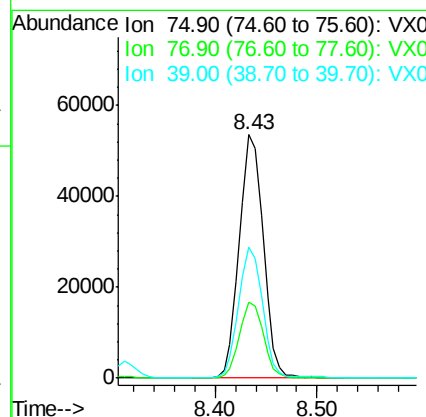
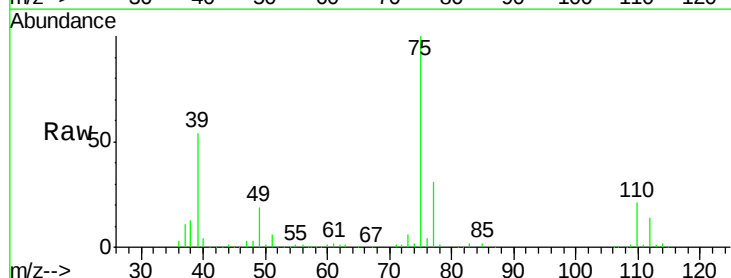
Manual Integrations
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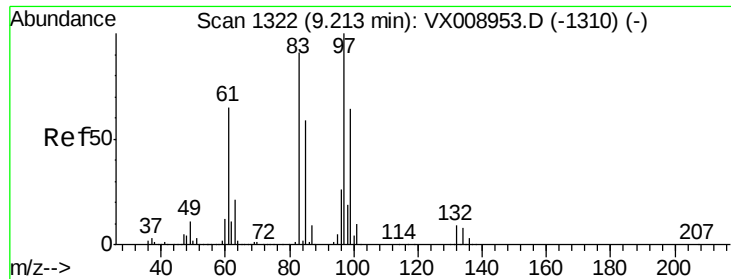
MMDadoda
4/22/2019 10:50:54 AM



#54
cis-1,3-Dichloropropene
Concen: 19.783 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX009063.D
Acq: 19 Apr 2019 12:23

Tgt Ion: 75 Resp: 87242
Ion Ratio Lower Upper
75 100
77 31.2 24.8 37.2
39 53.4 41.8 62.6





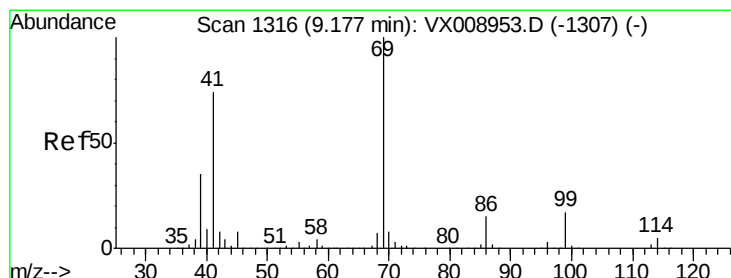
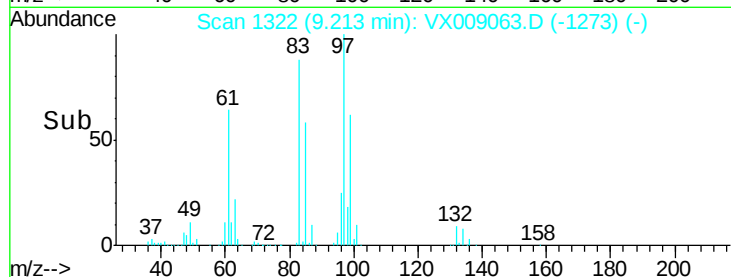
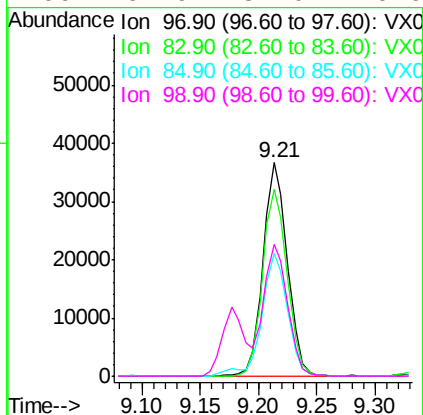
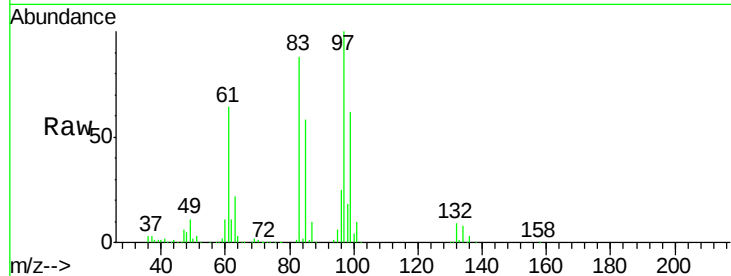
#55
 1,1,2-Trichloroethane
 Concen: 20.641 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX009063.D
 Acq: 19 Apr 2019 12:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0419MBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	87.5	72.6	108.8
85	57.5	46.9	70.3
99	61.9	51.0	76.6

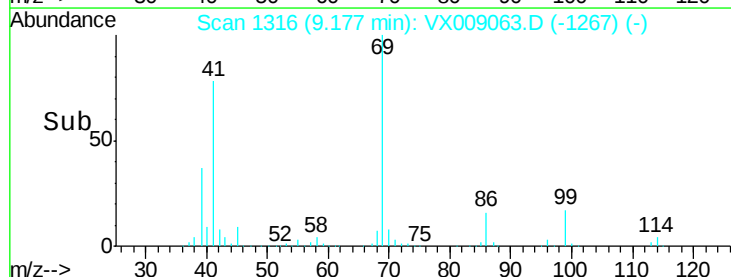
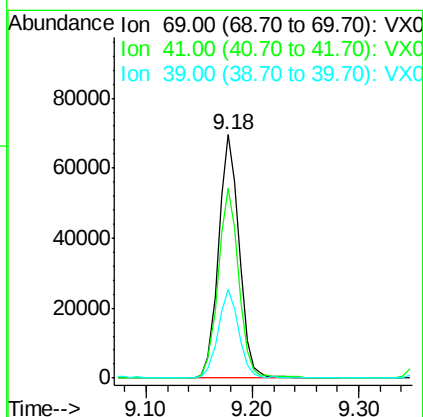
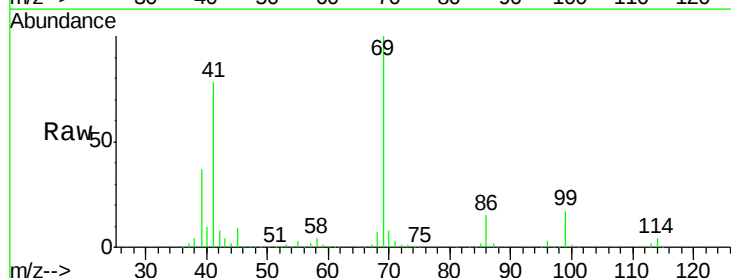
Manual Integrations
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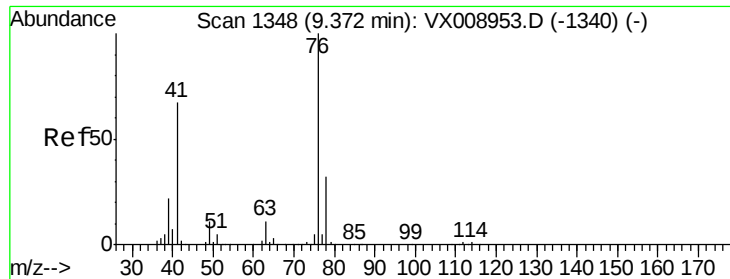
MMDadoda
 4/22/2019 10:50:54 AM



#56
 Ethyl methacrylate
 Concen: 20.511 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX009063.D
 Acq: 19 Apr 2019 12:23

Tgt Ion	Ratio	Lower	Upper
69	100		
41	77.2	60.2	90.2
39	36.1	27.9	41.9





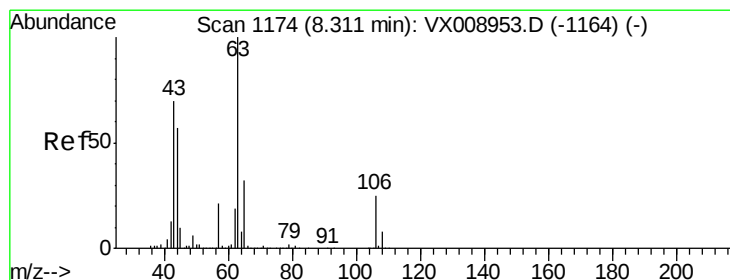
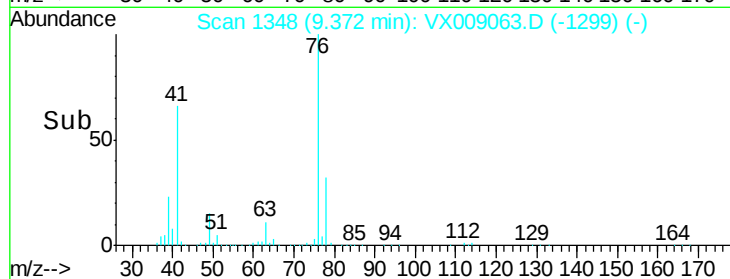
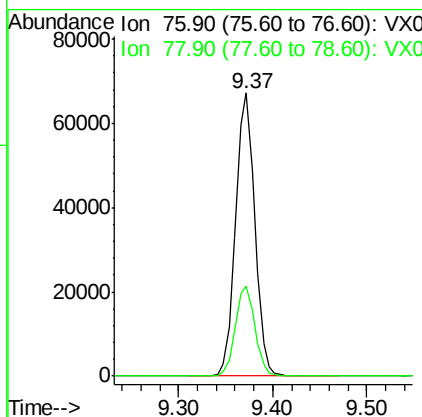
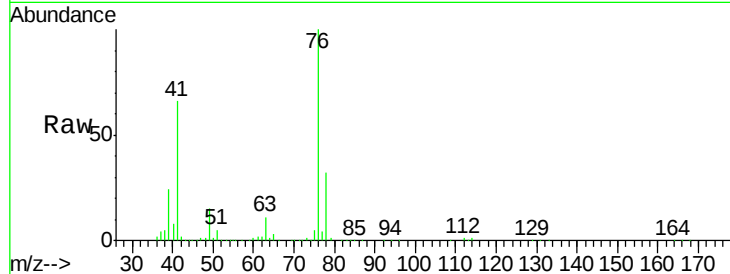
#57
 1,3-Dichloropropane
 Concen: 20.834 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX009063.D
 Acq: 19 Apr 2019 12:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0419MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.7	38.5

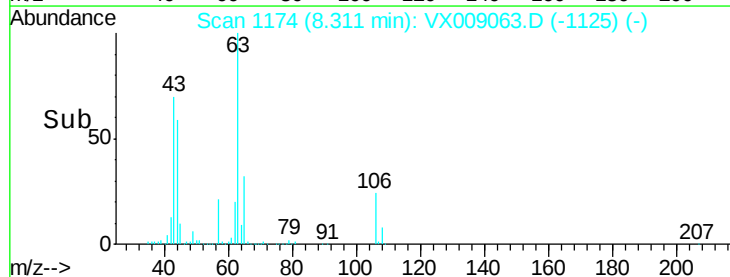
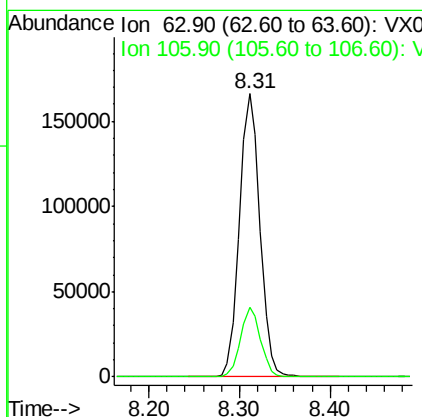
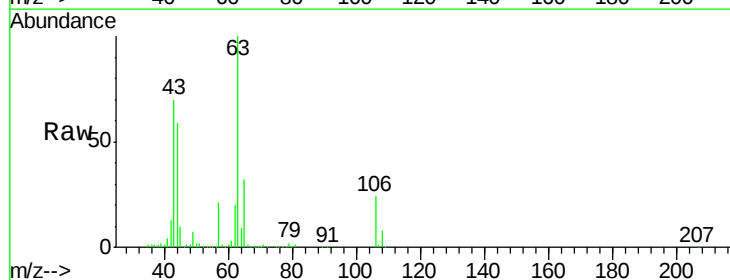
Manual Integrations
 APPROVED

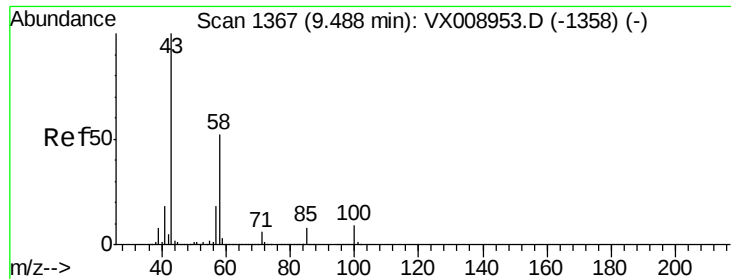
MMDadoda
 4/22/2019 10:50:54 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 105.405 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: VX009063.D
 Acq: 19 Apr 2019 12:23

Tgt Ion	Ratio	Lower	Upper
63	100		
106	24.0	19.8	29.6





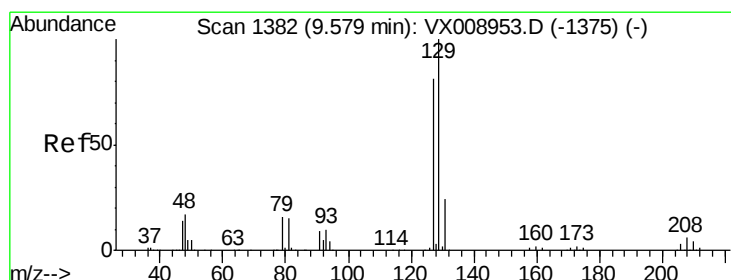
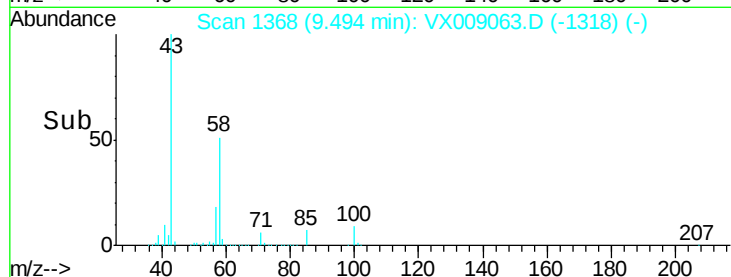
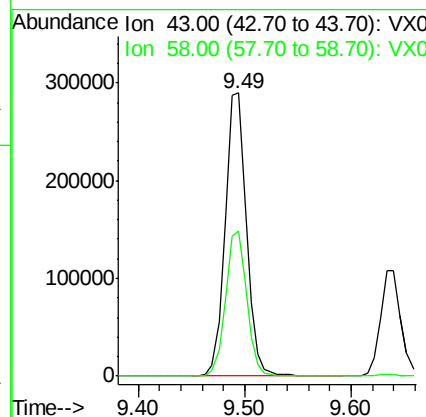
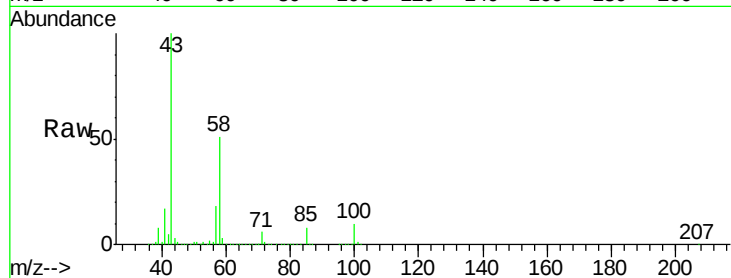
#59
2-Hexanone
Concen: 108.708 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.01 min
Lab File: VX009063.D
Acq: 19 Apr 2019 12:23

Instrument :
MSVOA_X
ClientSampleId :
VX0419MBS01

Tot Ion: 43 Resp: 405600
Ion Ratio Lower Upper
43 100
58 51.3 25.9 77.8

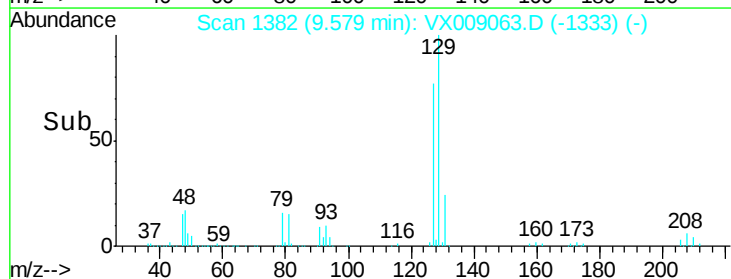
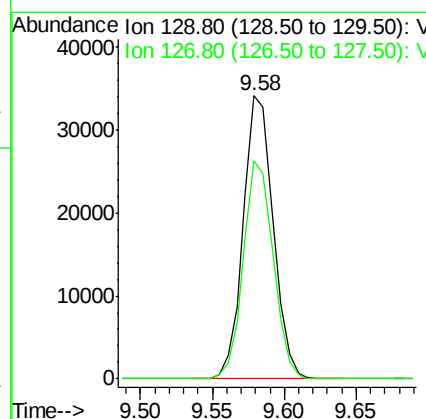
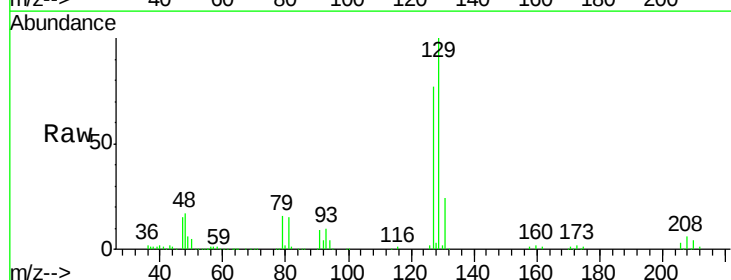
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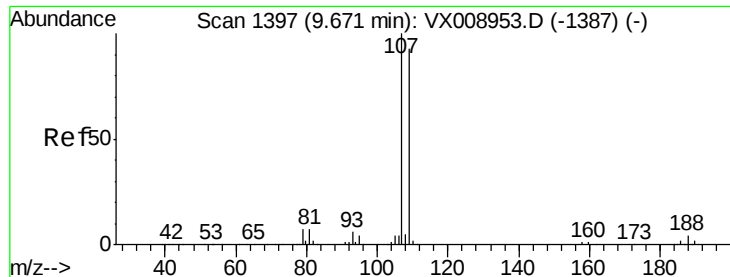
MMDadoda
4/22/2019 10:50:54 AM



#60
Dibromochloromethane
Concen: 20.071 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX009063.D
Acq: 19 Apr 2019 12:23

Tgt Ion:129 Resp: 49379
Ion Ratio Lower Upper
129 100
127 76.7 39.1 117.2





#61

1,2-Dibromoethane

Concen: 20.026 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX009063.D

Acq: 19 Apr 2019 12:23

Instrument :

MSVOA_X

ClientSampleId :

VX0419MBS01

Tot Ion:107 Resp: 53055

Ion Ratio Lower Upper

107 100

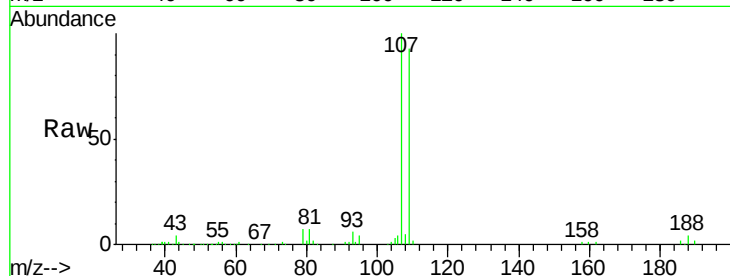
109 95.6 74.4 111.6

Manual Integrations

APPROVED

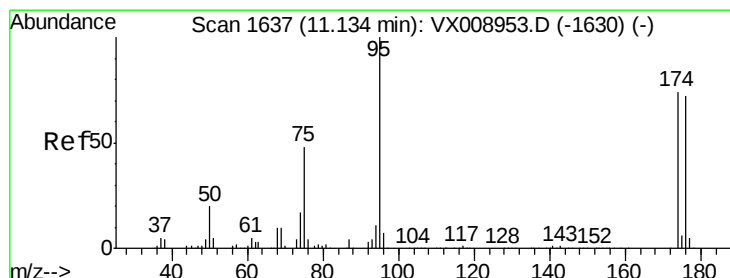
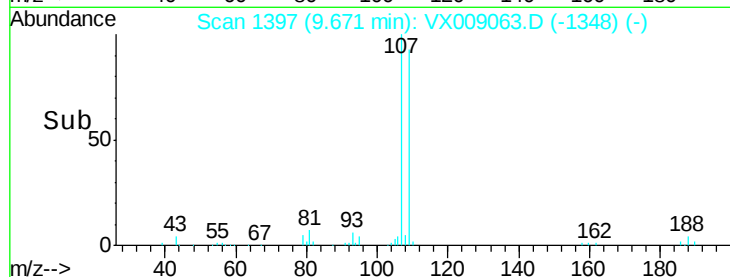
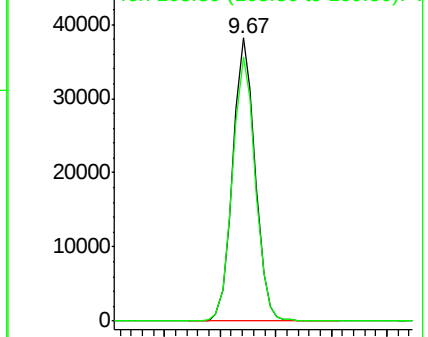
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.445 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009063.D

Acq: 19 Apr 2019 12:23

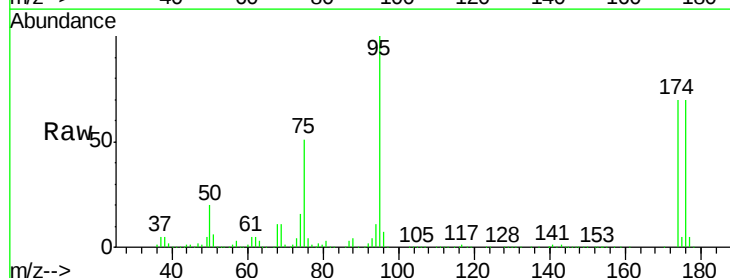
Tgt Ion: 95 Resp: 158235

Ion Ratio Lower Upper

95 100

174 77.4 0.0 159.6

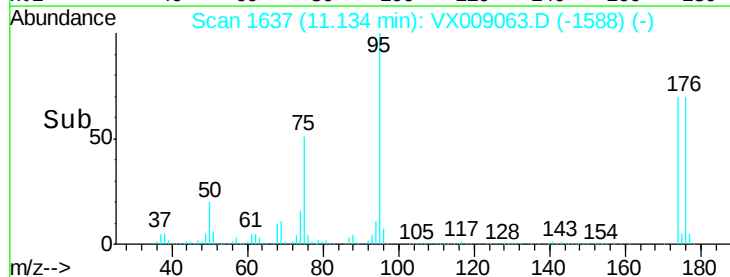
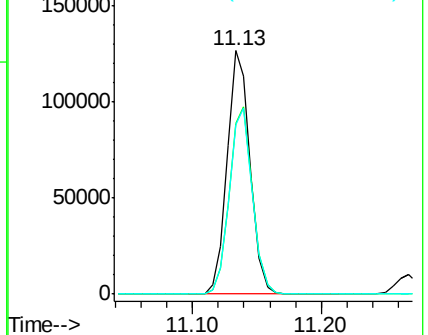
176 76.6 0.0 154.8

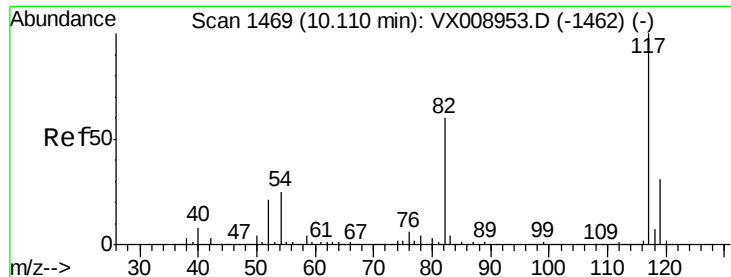


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





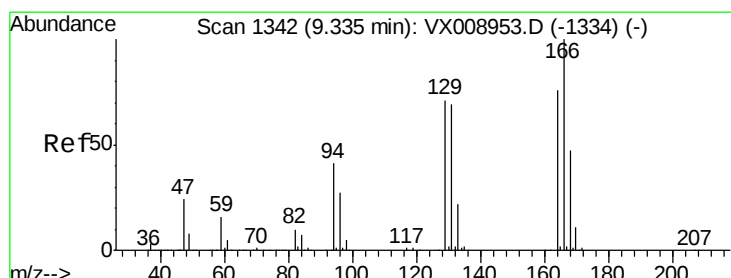
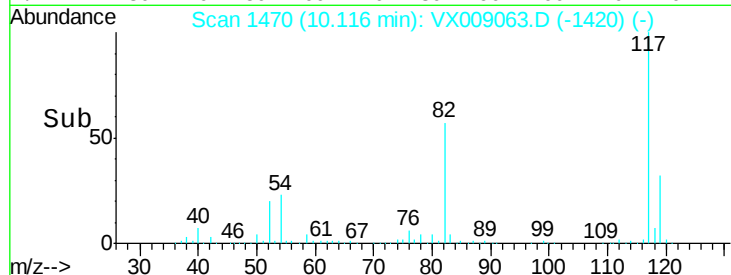
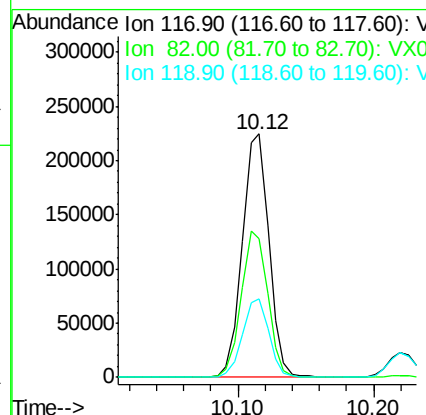
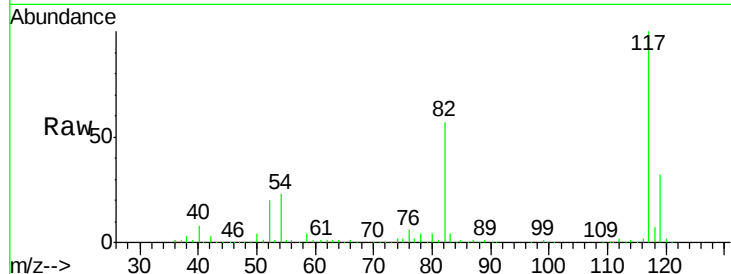
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX009063.D
Acq: 19 Apr 2019 12:23

Instrument :
MSVOA_X
ClientSampleId :
VX0419MBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.1	48.2	72.4
119	32.3	25.0	37.6

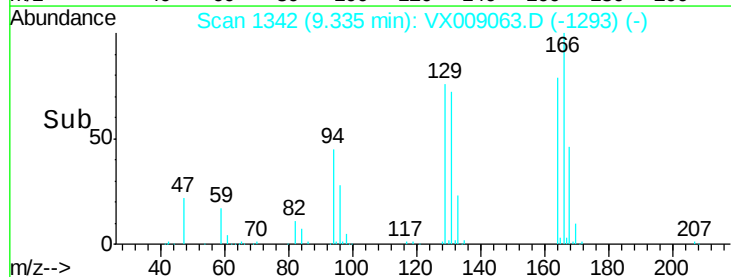
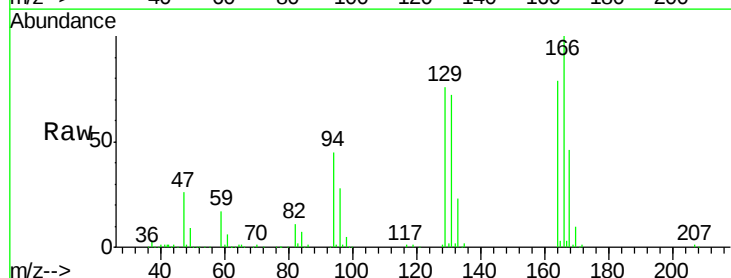
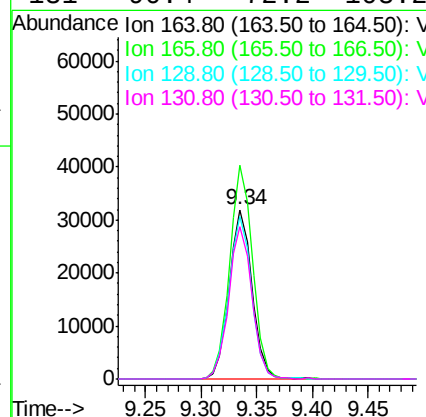
Manual Integrations
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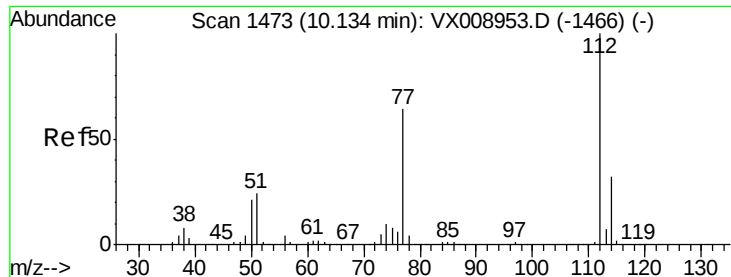
MMDadoda
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#64
Tetrachloroethene
Concen: 19.556 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX009063.D
Acq: 19 Apr 2019 12:23

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.2	105.0	157.4
129	96.1	74.2	111.4
131	90.4	72.2	108.2





#65

Chlorobenzene

Concen: 19.775 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.01 min

Lab File: VX009063.D

Acq: 19 Apr 2019 12:23

Instrument :

MSVOA_X

ClientSampleId :

VX0419MBS01

Tot Ion:112 Resp: 128049

Ion Ratio Lower Upper

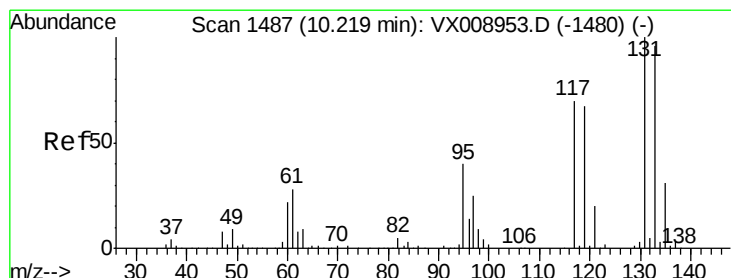
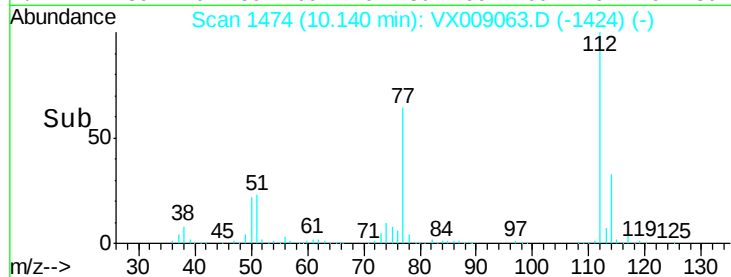
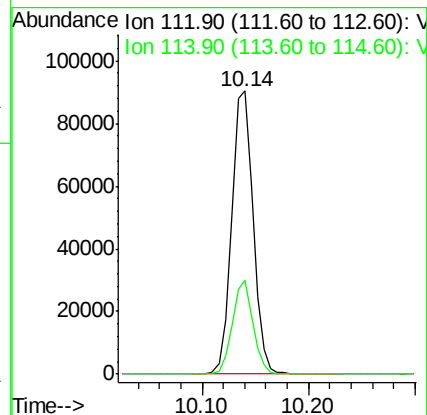
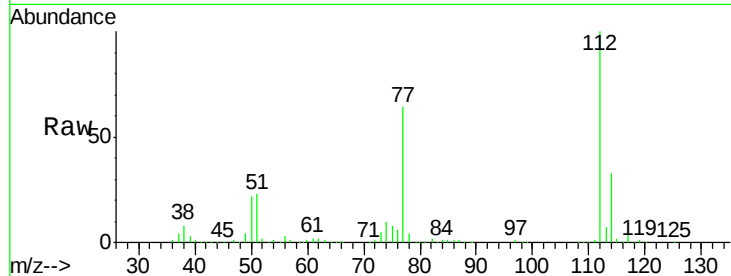
112 100

114 33.3 25.4 38.0

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 20.470 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX009063.D

Acq: 19 Apr 2019 12:23

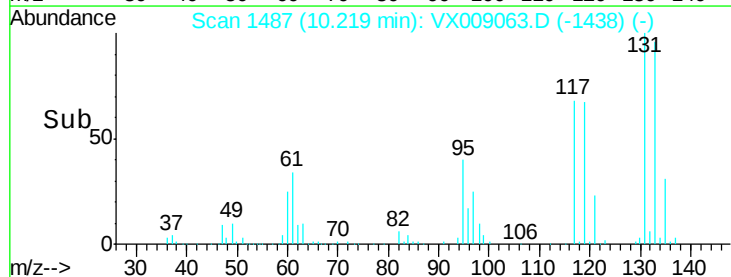
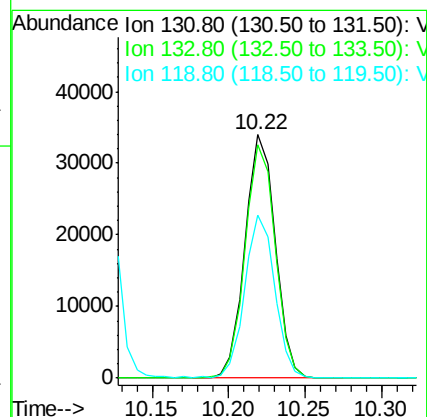
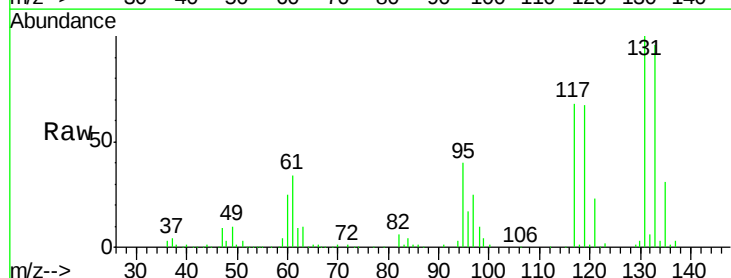
Tgt Ion:131 Resp: 46693

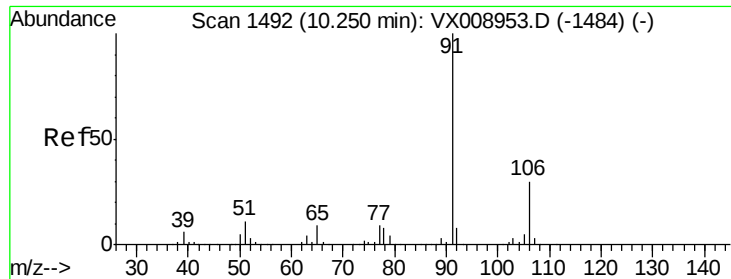
Ion Ratio Lower Upper

131 100

133 96.1 48.0 144.2

119 67.0 33.7 101.1





#67

Ethyl Benzene

Concen: 19.963 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX009063.D

Acq: 19 Apr 2019 12:23

Instrument :

MSVOA_X

ClientSampleId :

VX0419MBS01

Tot Ion: 91 Resp: 236296

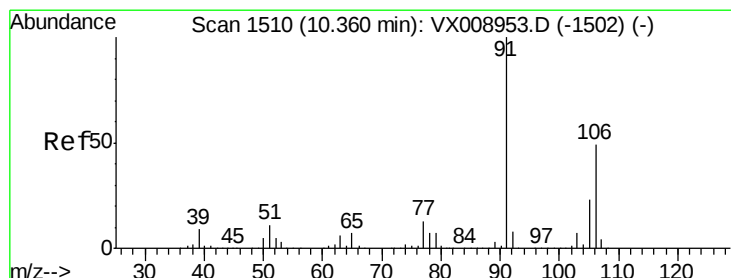
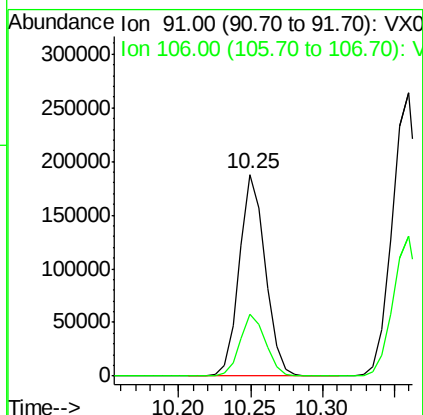
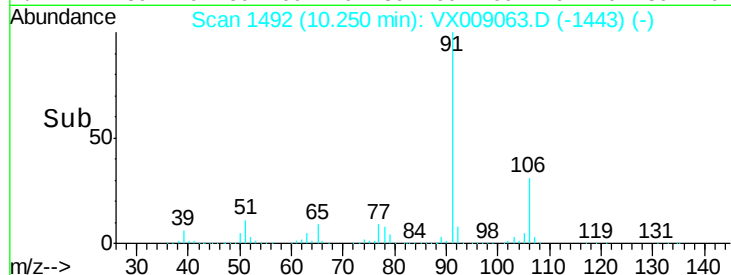
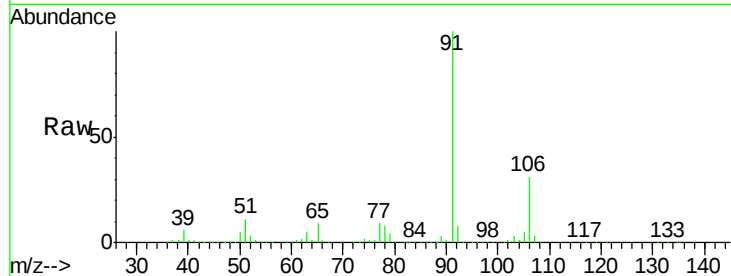
Ion Ratio Lower Upper

91 100

106 30.6 24.3 36.5

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#68

m/p-Xylenes

Concen: 39.704 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX009063.D

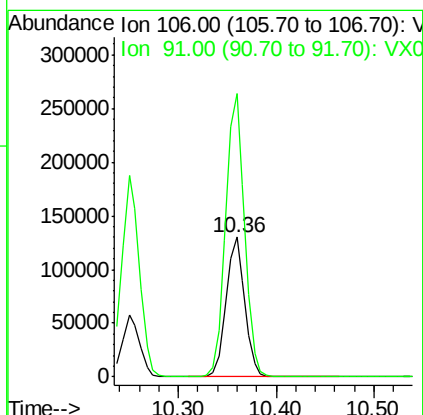
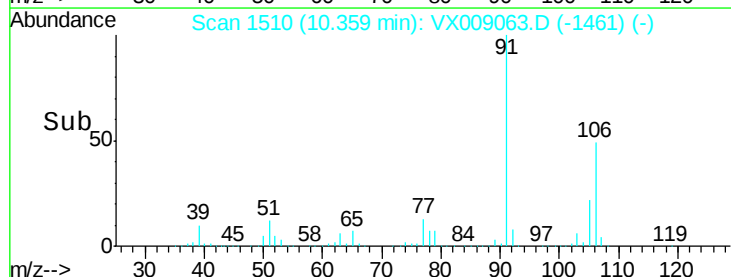
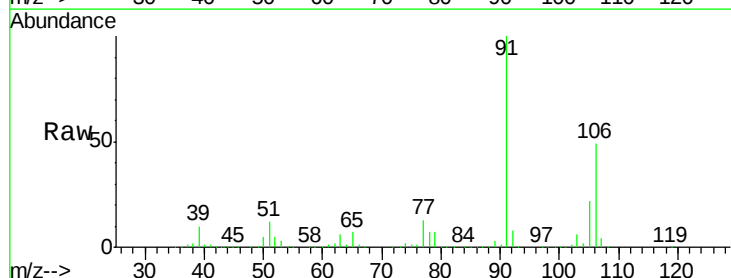
Acq: 19 Apr 2019 12:23

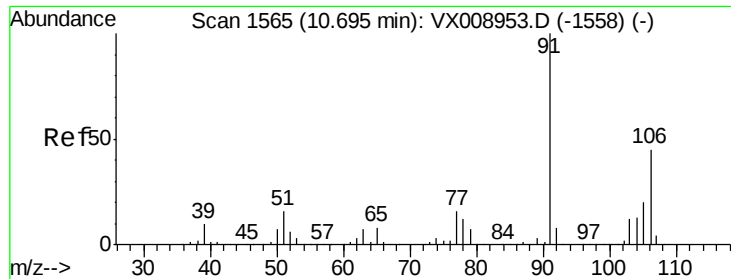
Tgt Ion: 106 Resp: 170798

Ion Ratio Lower Upper

106 100

91 206.7 165.4 248.2





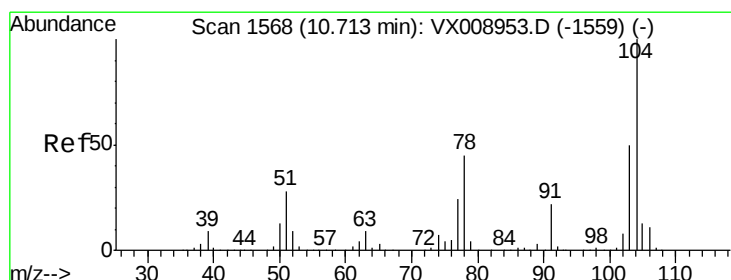
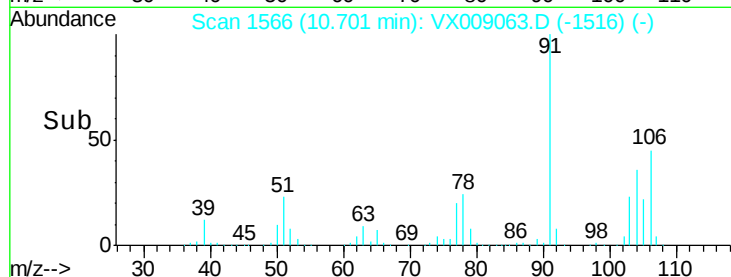
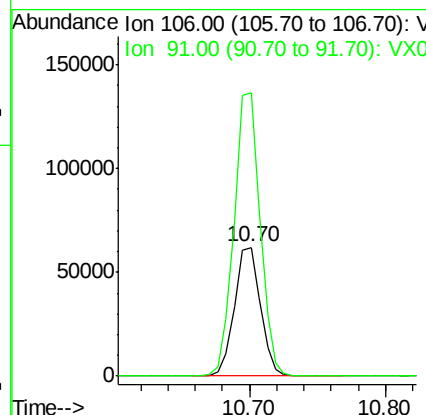
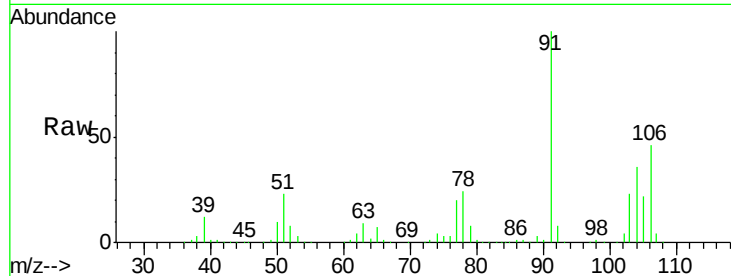
#69
o-Xylene
Concen: 19.710 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX009063.D
Acq: 19 Apr 2019 12:23

Instrument :
MSVOA_X
ClientSampleId :
VX0419MBS01

Tot Ion:106 Resp: 82500
Ion Ratio Lower Upper
106 100
91 221.6 108.9 326.7

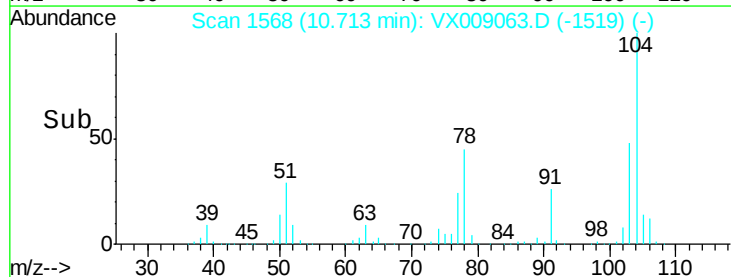
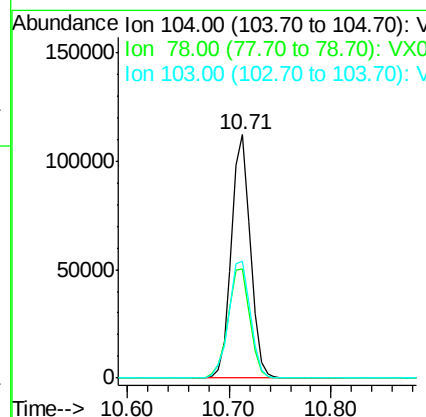
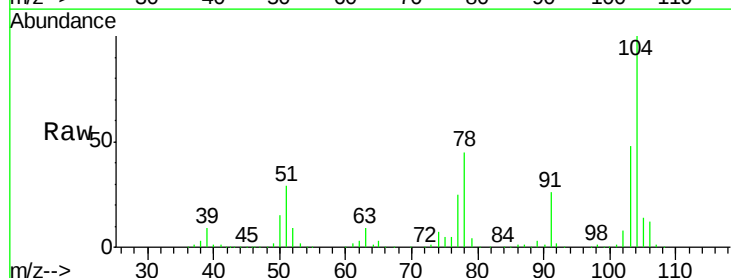
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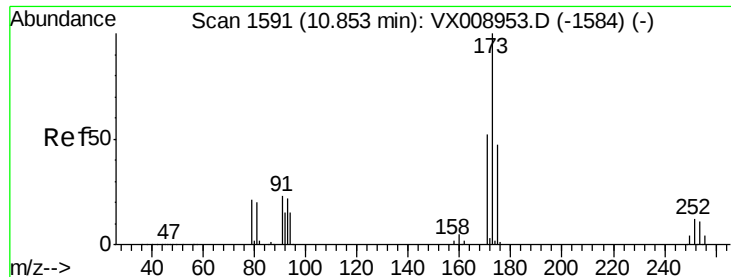
MMDadoda
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#70
Styrene
Concen: 19.876 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX009063.D
Acq: 19 Apr 2019 12:23

Tgt Ion:104 Resp: 144169
Ion Ratio Lower Upper
104 100
78 52.3 41.2 61.8
103 55.1 43.9 65.9





#71

Bromoform

Concen: 19.163 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX009063.D

Acq: 19 Apr 2019 12:23

Instrument :

MSVOA_X

ClientSampleId :

VX0419MBS01

Tot Ion:173 Resp: 34825

Ion Ratio Lower Upper

173 100

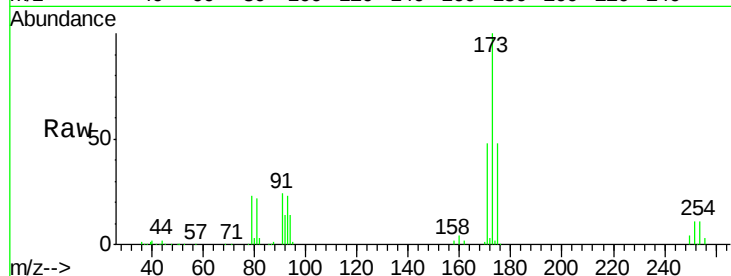
175 48.9 23.9 71.8

254 0.0 0.2 0.4#

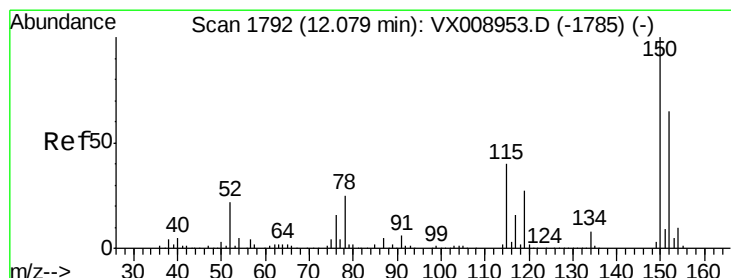
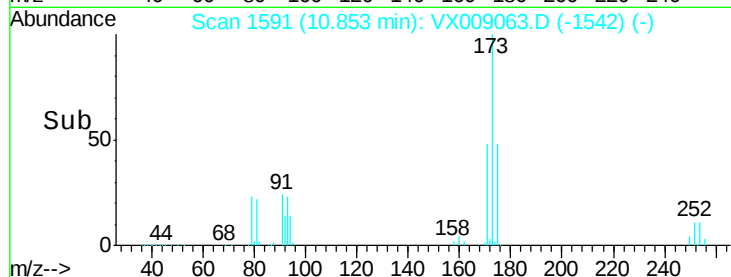
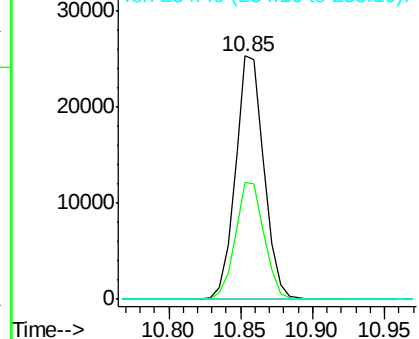
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX009063.D

Acq: 19 Apr 2019 12:23

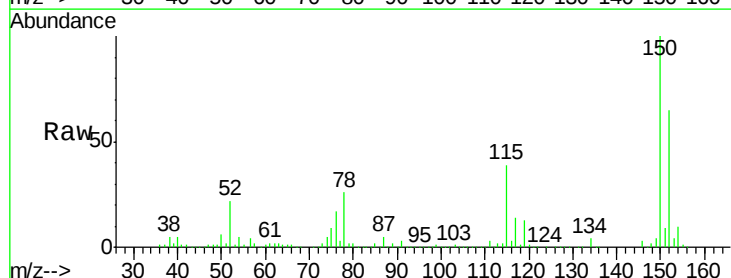
Tgt Ion:152 Resp: 140356

Ion Ratio Lower Upper

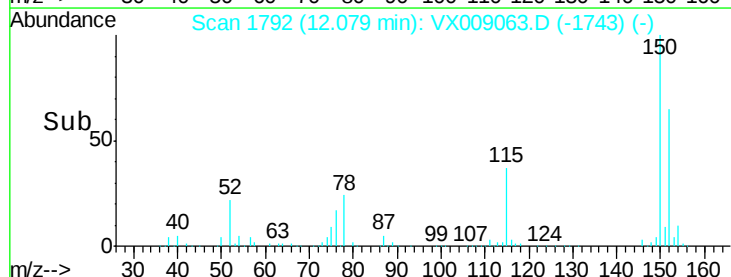
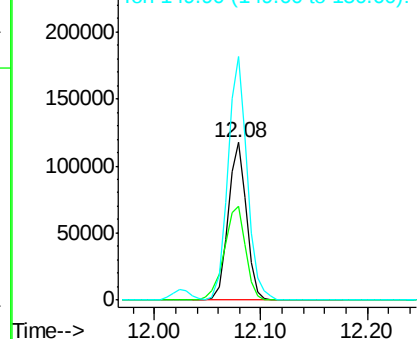
152 100

115 69.4 41.4 124.2

150 163.0 0.0 349.8



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: 20.901 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX009063.D

Acq: 19 Apr 2019 12:23

Instrument :

MSVOA_X

ClientSampleId :

VX0419MBS01

Tot Ion: 105 Resp: 222367

Ion Ratio Lower Upper

105 100

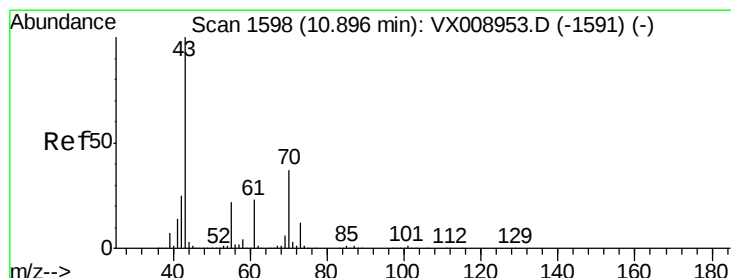
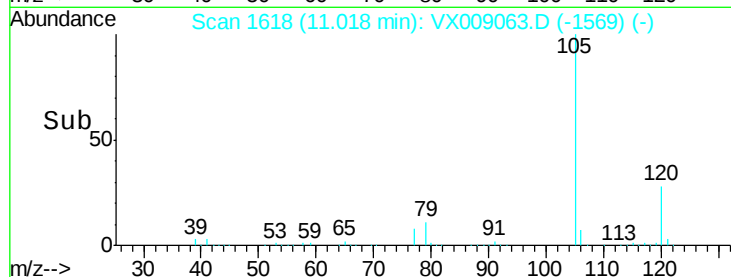
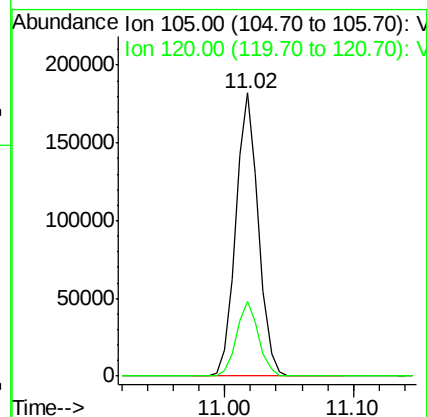
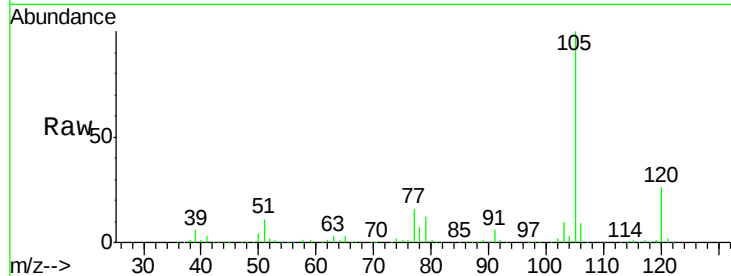
120 26.0 12.9 38.7

Manual Integrations

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#74

N-ethyl acetate

Concen: 21.817 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX009063.D

Acq: 19 Apr 2019 12:23

Tgt Ion: 43 Resp: 133269

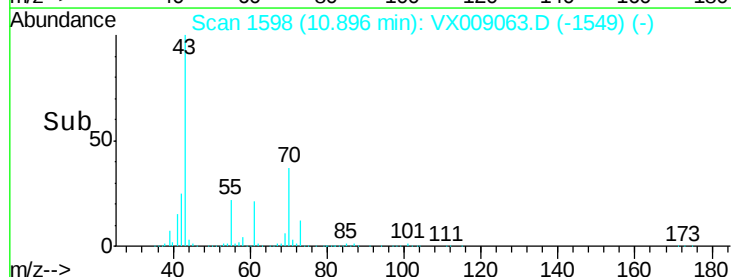
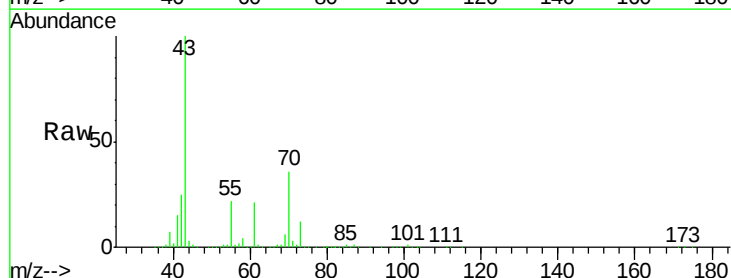
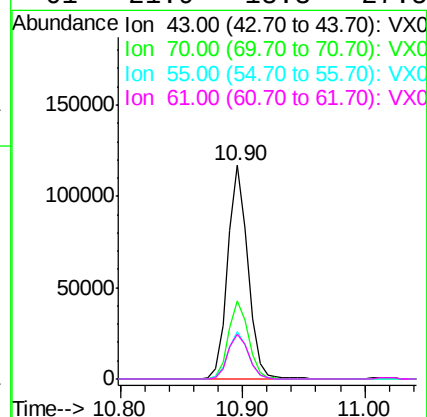
Ion Ratio Lower Upper

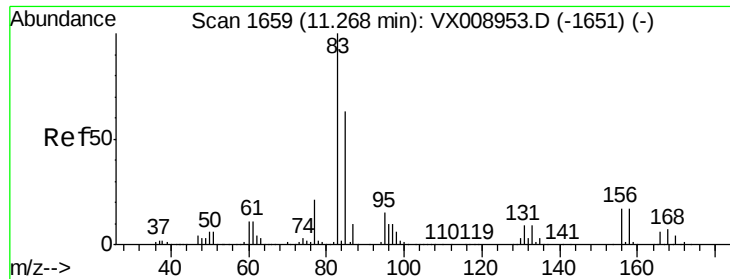
43 100

70 36.7 29.9 44.9

55 22.5 17.8 26.8

61 21.9 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 21.651 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX009063.D

Acq: 19 Apr 2019 12:23

Instrument :

MSVOA_X

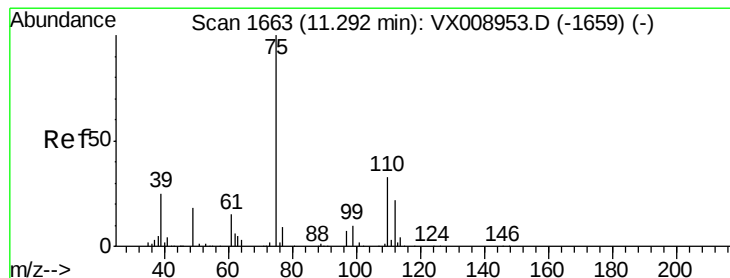
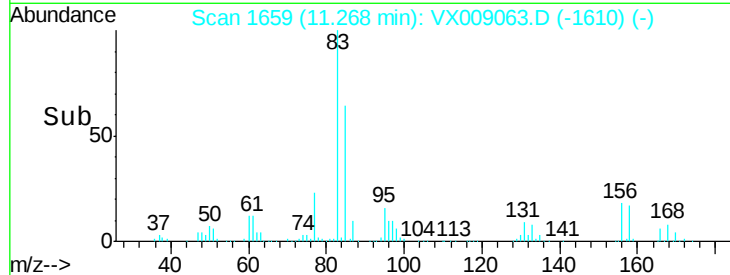
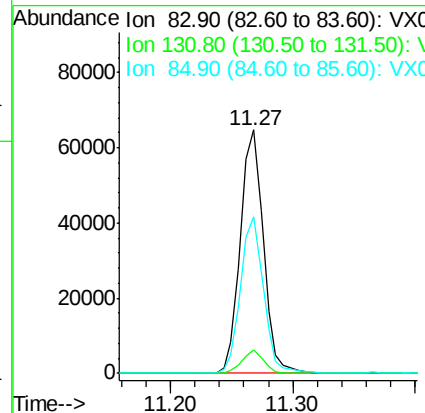
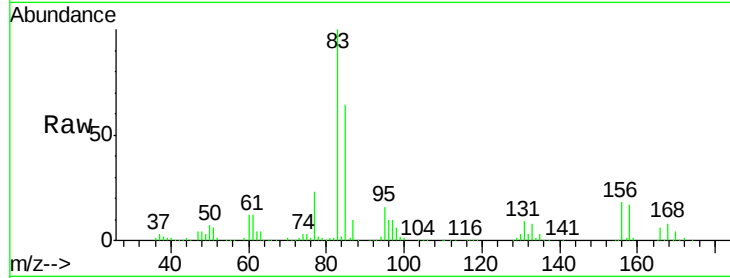
ClientSampleId :

VX0419MBS01

Tot Ion	83	Resp	84163
Ion Ratio	100	Lower	Upper
83	100		
131	9.2	4.7	14.0
85	63.9	31.9	95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.397 ug/l m

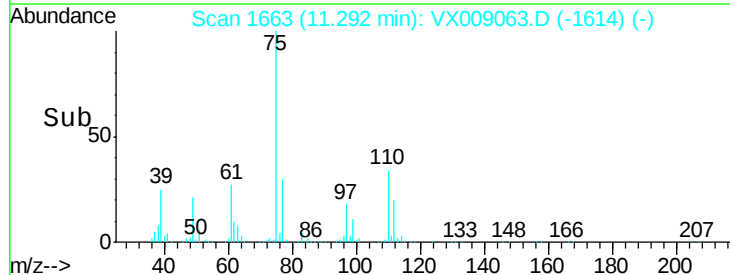
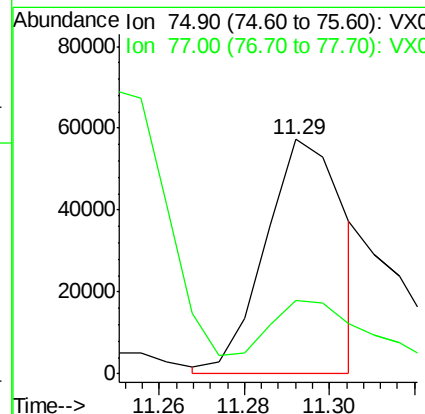
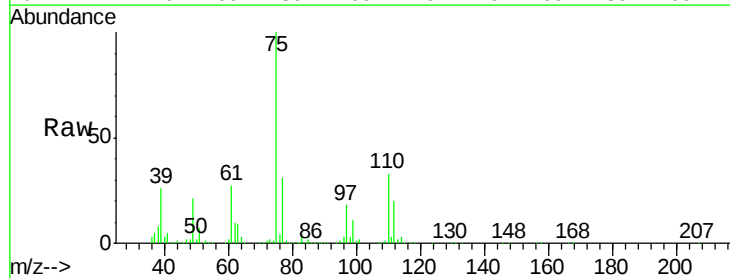
RT: 11.29 min Scan# 1663

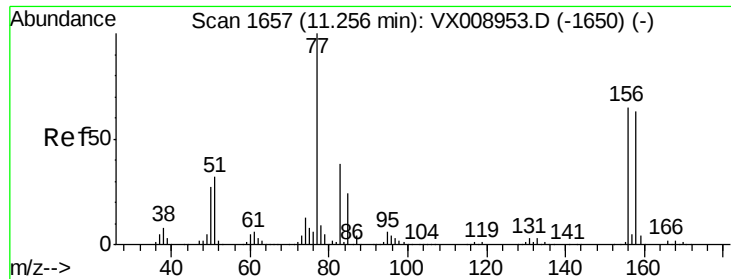
Delta R.T. -0.00 min

Lab File: VX009063.D

Acq: 19 Apr 2019 12:23

Tgt Ion	75	Resp	73333
Ion Ratio	100	Lower	Upper
75	100		
77	43.8	22.7	68.0





#77

Bromobenzene

Concen: 20.006 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX009063.D

Acq: 19 Apr 2019 12:23

Instrument :

MSVOA_X

ClientSampleId :

VX0419MBS01

Tot Ion:156 Resp: 53700

Ion Ratio Lower Upper

156 100

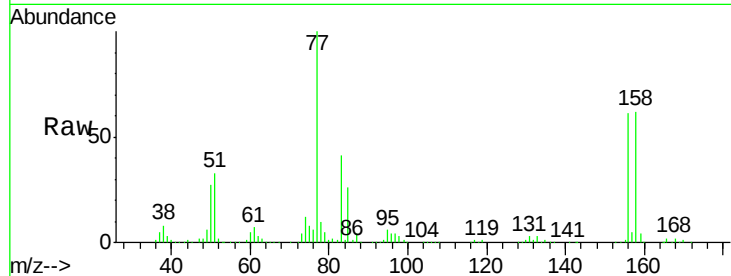
77 174.7 85.4 256.1

158 97.5 48.8 146.4

Manual Integrations
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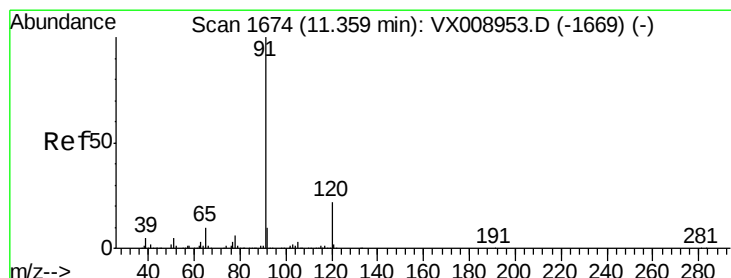
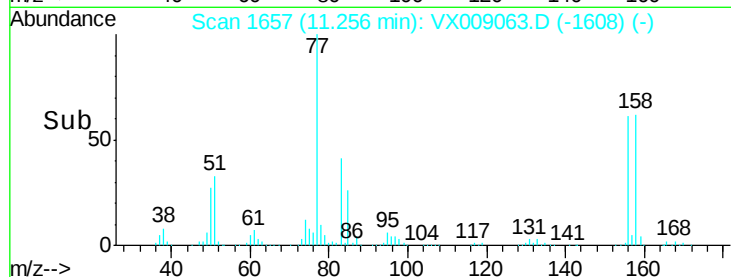
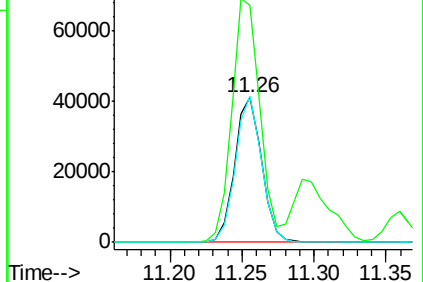
4/22/2019 10:50:54 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.729 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX009063.D

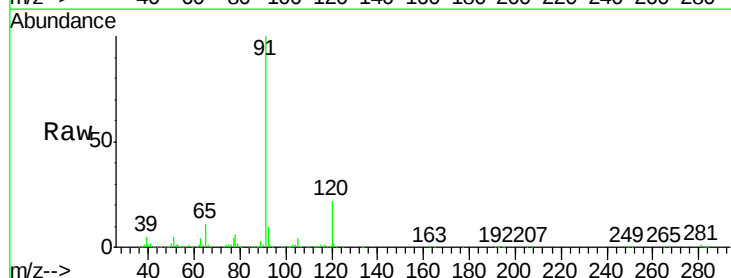
Acq: 19 Apr 2019 12:23

Tgt Ion: 91 Resp: 253123

Ion Ratio Lower Upper

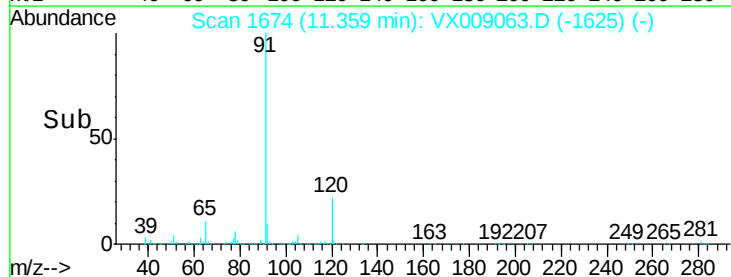
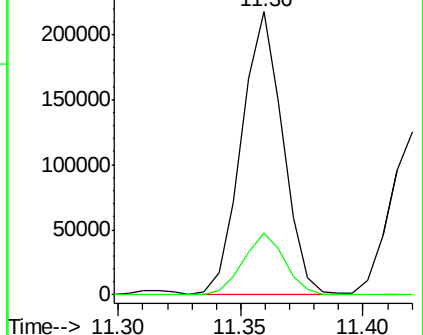
91 100

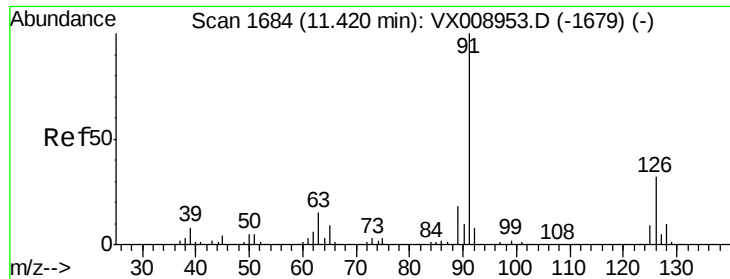
120 21.9 10.9 32.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.535 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX009063.D

Acq: 19 Apr 2019 12:23

Instrument :

MSVOA_X

ClientSampleId :

VX0419MBS01

Tot Ion: 91 Resp: 151104

Ion Ratio Lower Upper

91 100

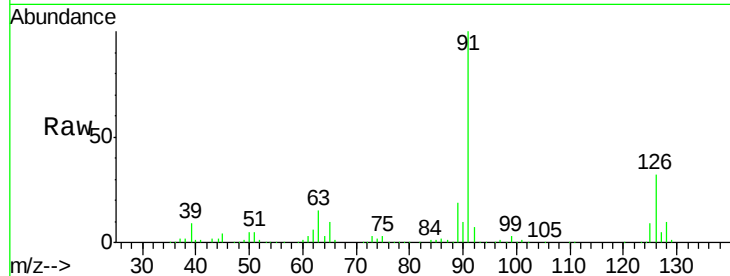
126 32.1 16.3 48.9

Manual Integrations

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4/22/2019 10:50:54 AM



Abundance Ion 91.00 (90.70 to 91.70): VX008953.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX008953.D (-1679) (-)

250000

200000

150000

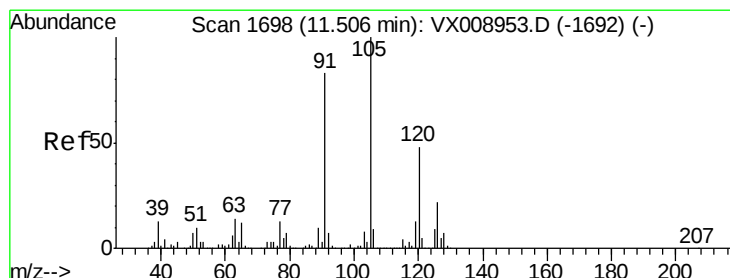
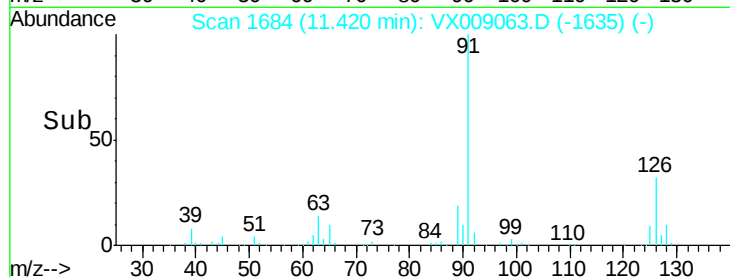
100000

50000

0

11.40 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.294 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX009063.D

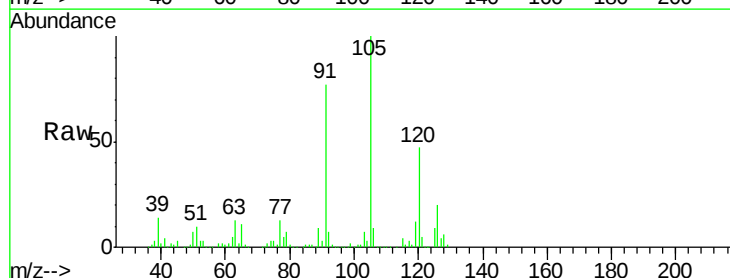
Acq: 19 Apr 2019 12:23

Tgt Ion:105 Resp: 190106

Ion Ratio Lower Upper

105 100

120 47.3 24.1 72.3



Abundance Ion 105.00 (104.70 to 105.70): VX008953.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX008953.D (-1692) (-)

150000

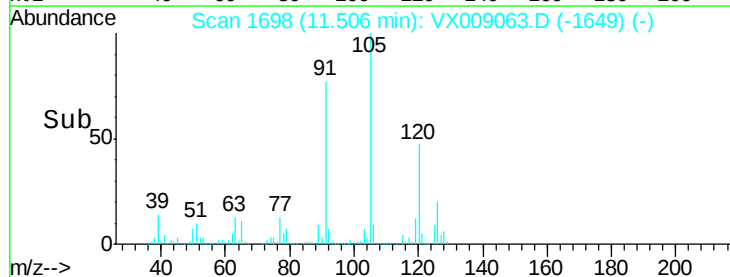
100000

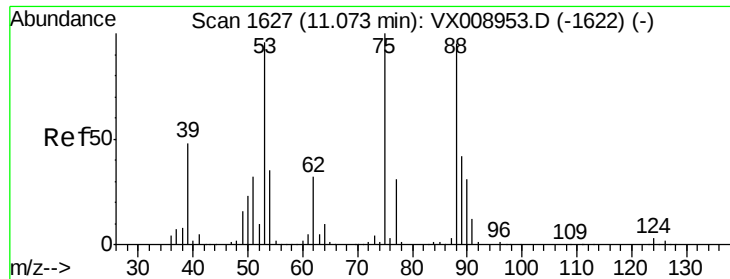
50000

0

11.50 11.60

Time-->





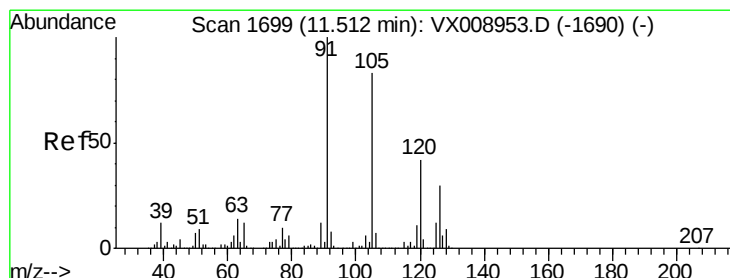
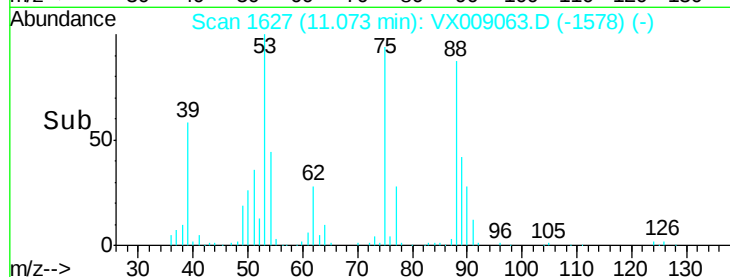
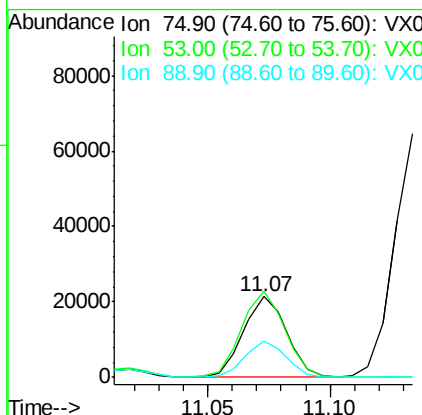
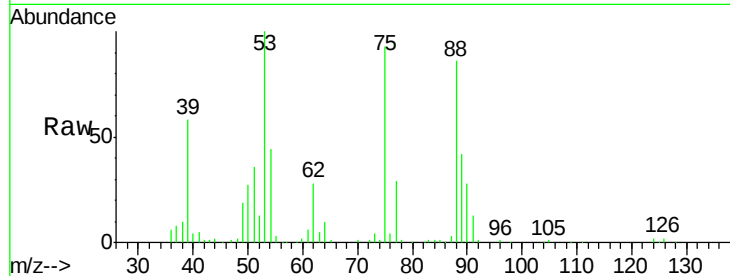
#81
trans-1,4-Dichloro-2-butene
Concen: 19.800 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX009063.D
Acq: 19 Apr 2019 12:23

Instrument :
MSVOA_X
ClientSampleId :
VX0419MBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	105.4	78.2	117.4
89	43.2	36.0	54.0

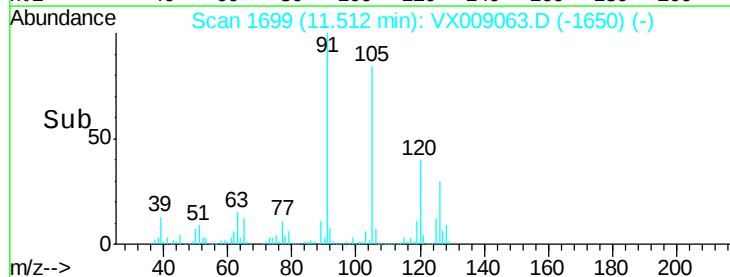
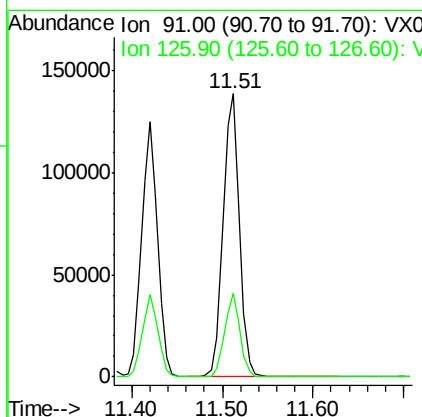
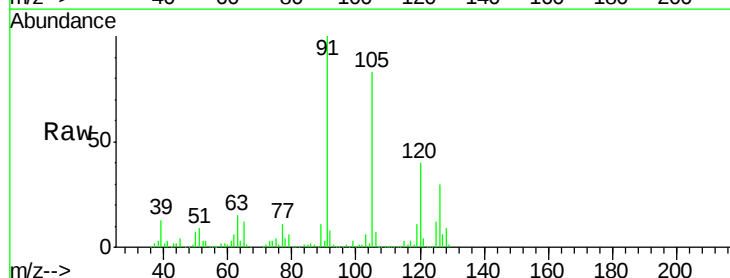
Manual Integrations
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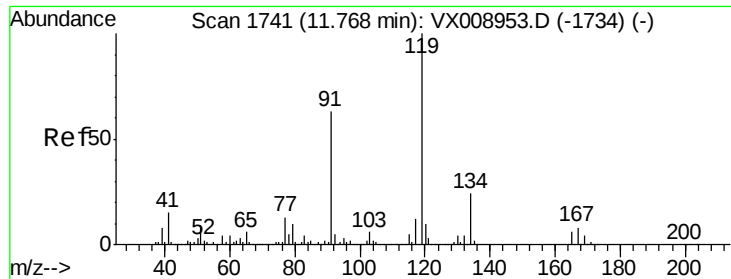
MMDadoda
4/22/2019 10:50:54 AM



#82
4-Chlorotoluene
Concen: 20.450 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX009063.D
Acq: 19 Apr 2019 12:23

Tgt Ion	Ratio	Lower	Upper
91	100		
126	27.9	14.3	42.9





#83

tert-Butylbenzene

Concen: 21.191 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX009063.D

Acq: 19 Apr 2019 12:23

Instrument :

MSVOA_X

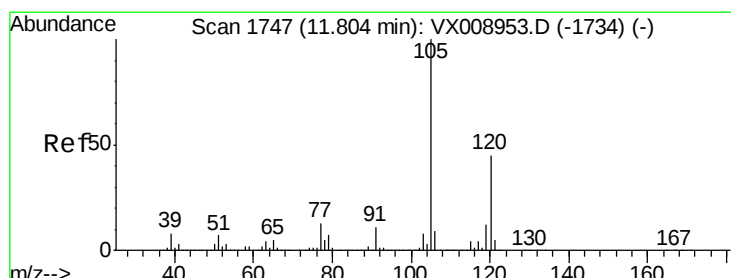
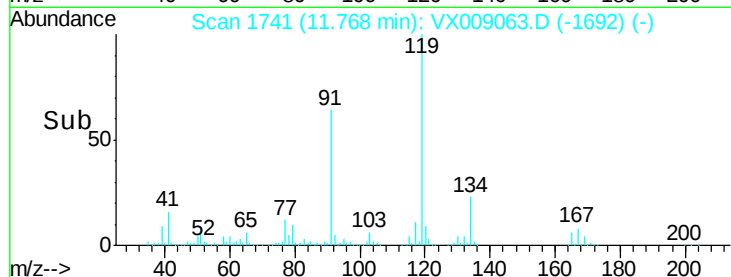
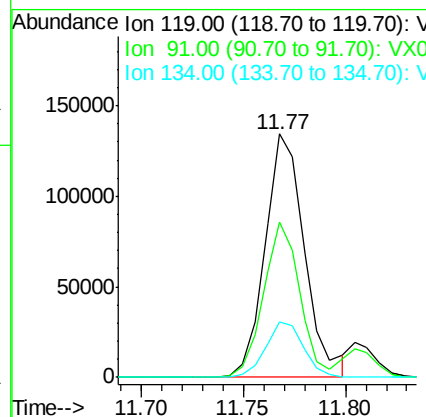
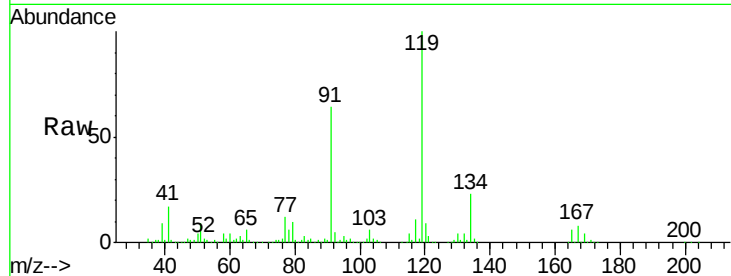
ClientSampleId :

VX0419MBS01

Tot Ion:	119	Resp:	181639
Ion Ratio	Lower	Upper	
119	100		
91	58.6	29.7	89.1
134	21.8	11.2	33.5

Manual Integrations
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4/22/2019 10:50:54 AM



#84

1,2,4-Trimethylbenzene

Concen: 20.856 ug/l

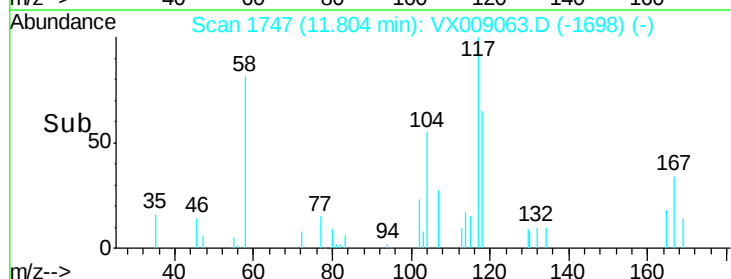
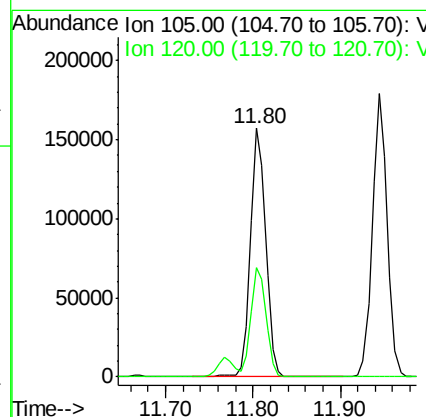
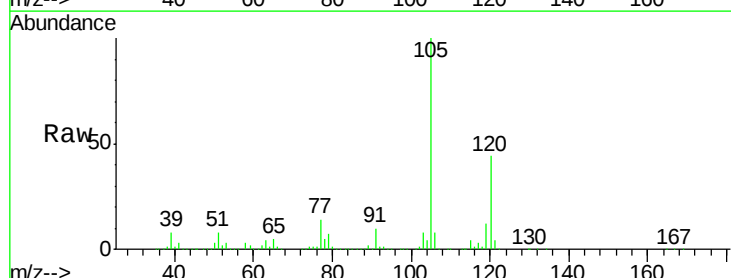
RT: 11.80 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VX009063.D

Acq: 19 Apr 2019 12:23

Tgt Ion:	105	Resp:	189536
Ion Ratio	Lower	Upper	
105	100		
120	43.7	21.9	65.8





#85

sec-Butylbenzene

Concen: 20.914 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX009063.D

Acq: 19 Apr 2019 12:23

Instrument :

MSVOA_X

ClientSampleId :

VX0419MBS01

Tot Ion:105 Resp: 213799

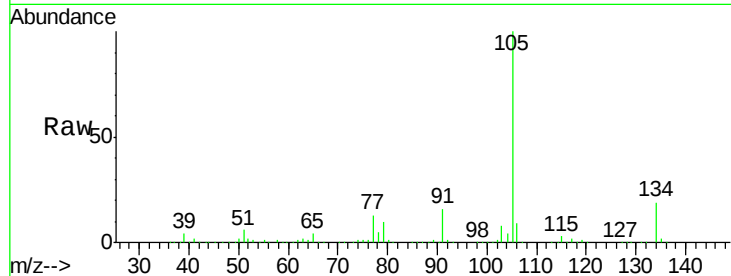
Ion Ratio Lower Upper

105 100

134 18.9 9.6 28.6

Manual Integrations
APPROVED

MMDadoda
4/22/2019 10:50:54 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

200000

150000

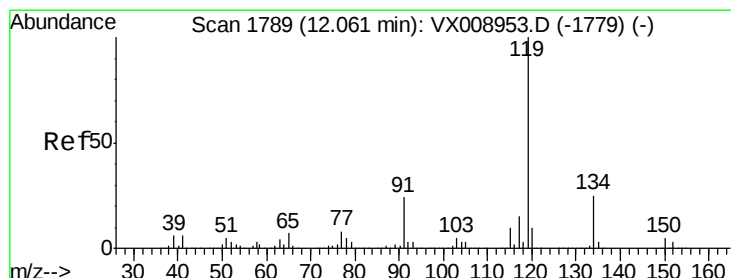
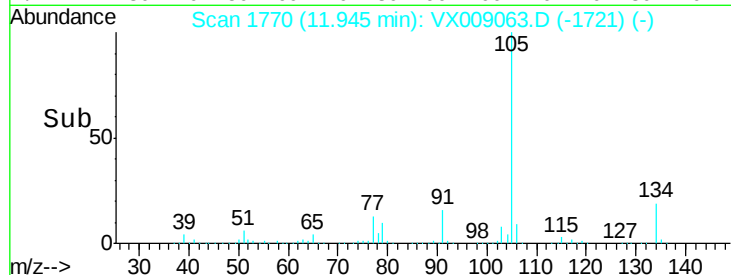
100000

50000

0

Time-->

11.90 12.00



#86

p-Isopropyltoluene

Concen: 20.531 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX009063.D

Acq: 19 Apr 2019 12:23

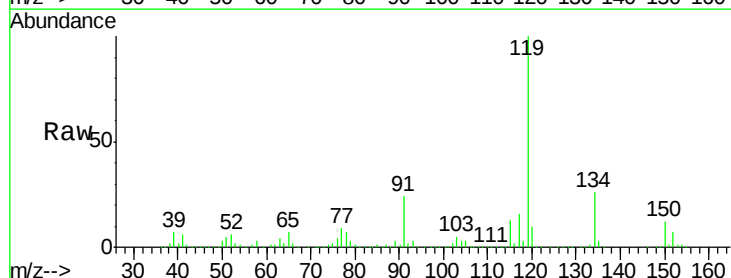
Tgt Ion:119 Resp: 192961

Ion Ratio Lower Upper

119 100

134 25.8 12.9 38.6

91 23.8 11.9 35.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

12.06

200000

150000

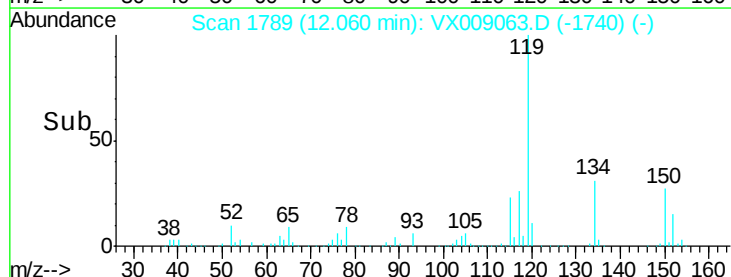
100000

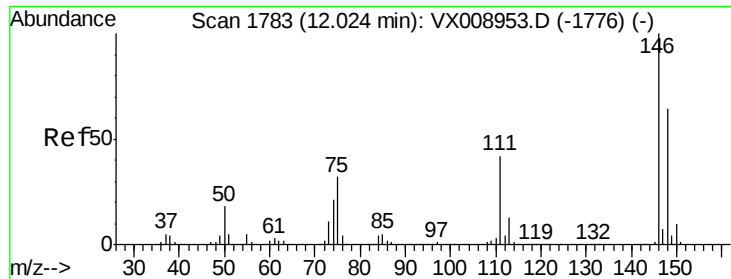
50000

0

Time-->

12.00 12.10





#87

1,3-Dichlorobenzene

Concen: 19.697 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VX009063.D

Acq: 19 Apr 2019 12:23

Instrument :

MSVOA_X

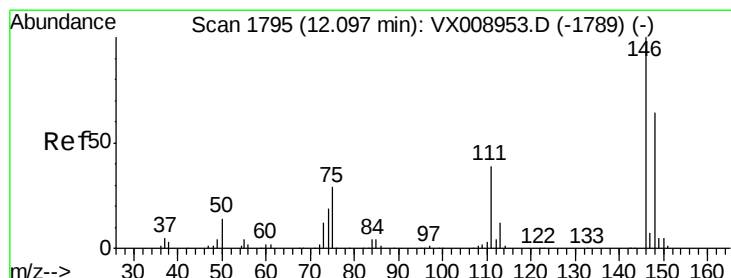
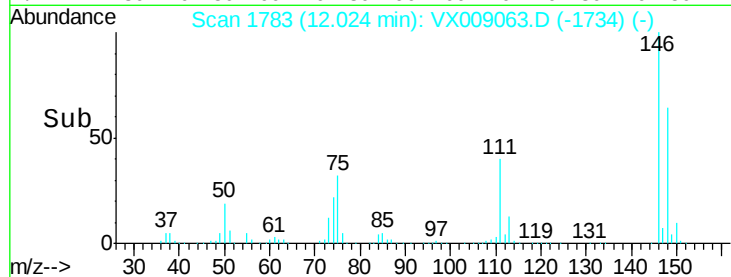
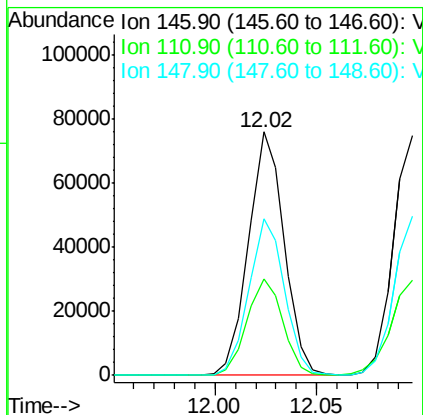
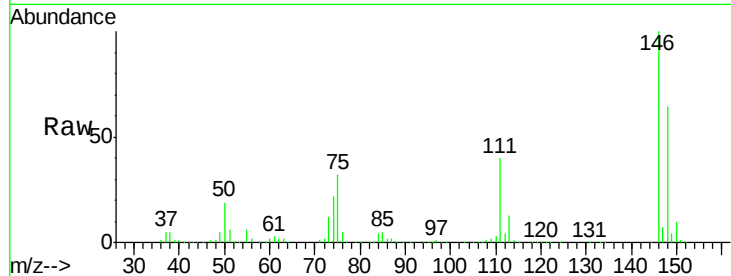
ClientSampleId :

VX0419MBS01

Tot Ion:	146	Resp:	92539
Ion Ratio	Lower	Upper	
146	100		
111	40.1	20.5	61.6
148	64.1	32.2	96.6

Manual Integrations
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4/22/2019 10:50:54 AM



#88

1,4-Dichlorobenzene

Concen: 19.366 ug/l

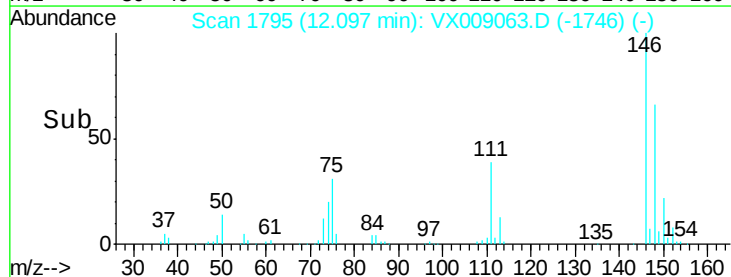
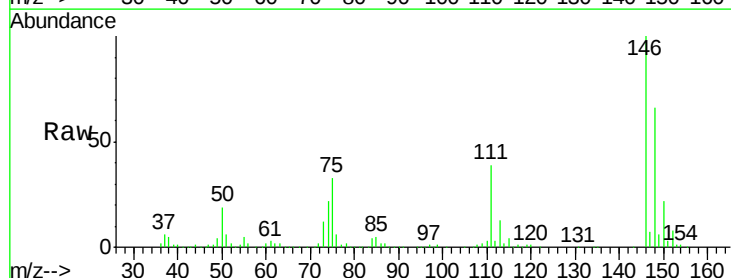
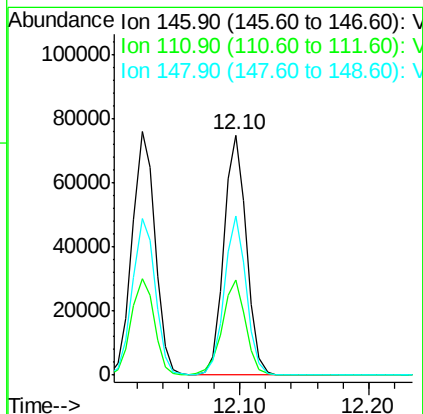
RT: 12.10 min Scan# 1795

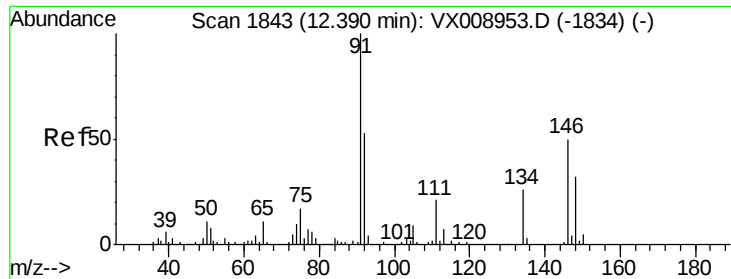
Delta R.T. -0.00 min

Lab File: VX009063.D

Acq: 19 Apr 2019 12:23

Tgt Ion:	146	Resp:	92230
Ion Ratio	Lower	Upper	
146	100		
111	41.4	20.0	59.9
148	64.7	32.2	96.6





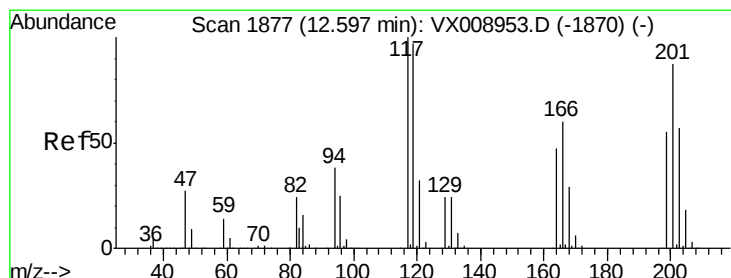
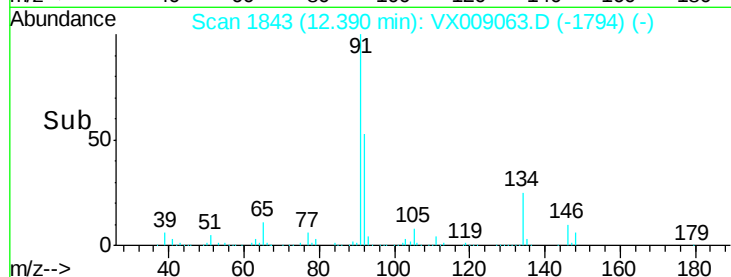
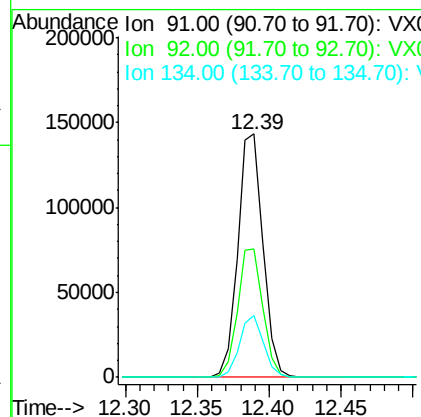
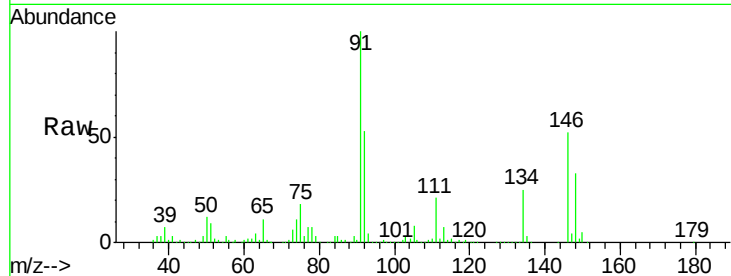
#89
n-Butylbenzene
Concen: 20.017 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX009063.D
Acq: 19 Apr 2019 12:23

Instrument :
MSVOA_X
ClientSampleId :
VX0419MBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		175210		
92	53.3	26.6	79.8		
134	24.2	12.4	37.2		

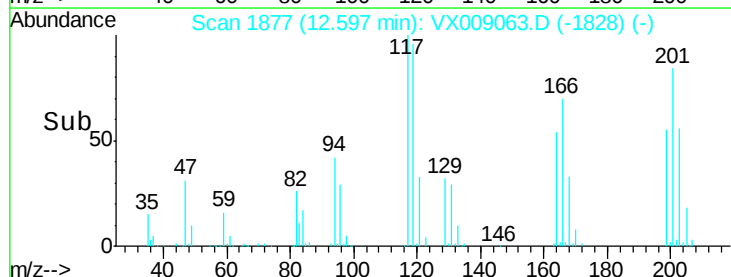
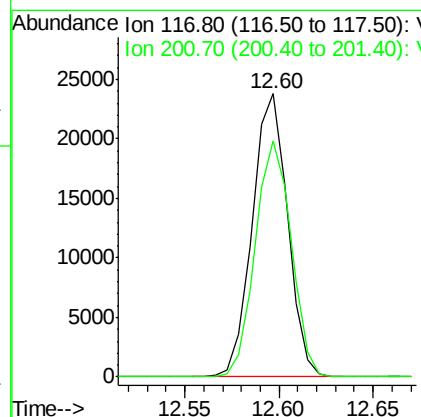
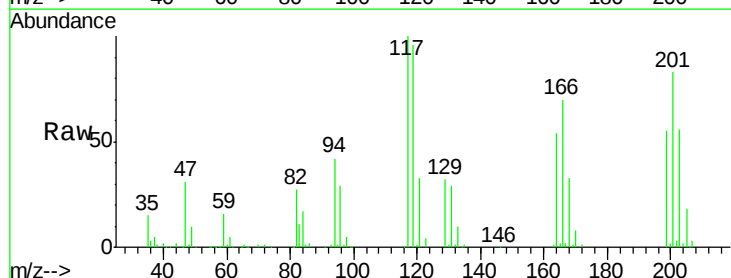
Manual Integrations
APPROVED

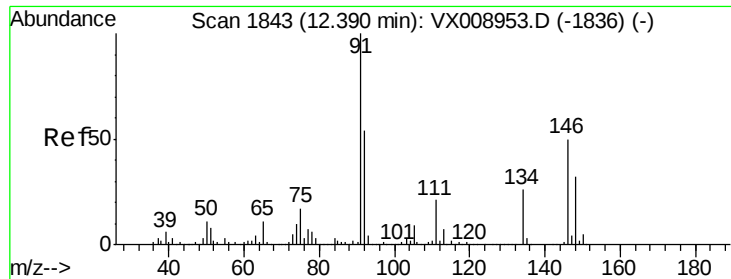
MMDadoda
4/22/2019 10:50:54 AM



#90
Hexachloroethane
Concen: 19.901 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX009063.D
Acq: 19 Apr 2019 12:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		30853		
201	85.0	43.0	129.0		





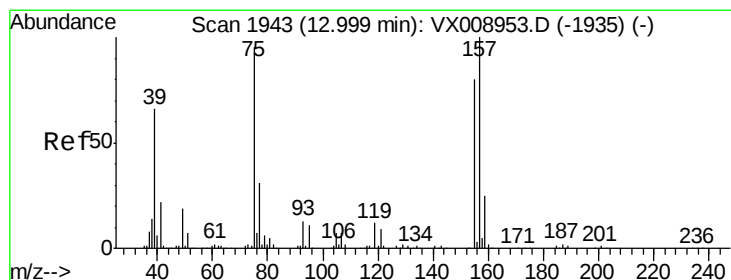
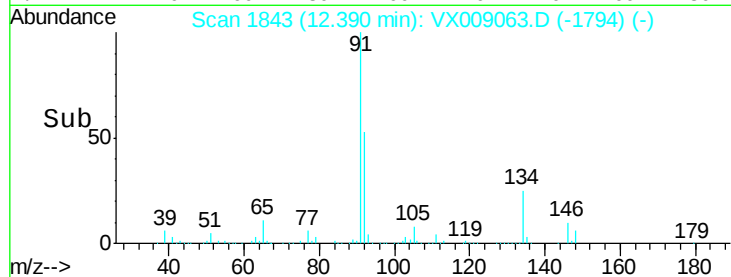
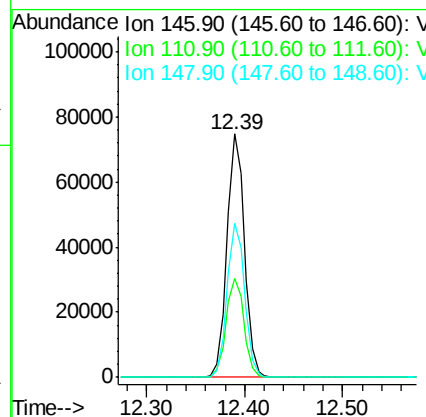
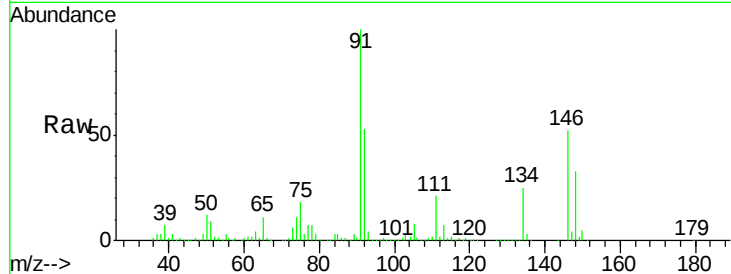
#91
 1,2-Dichlorobenzene
 Concen: 19.961 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX009063.D
 Acq: 19 Apr 2019 12:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0419MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.6	61.9
148	63.6	32.0	96.2

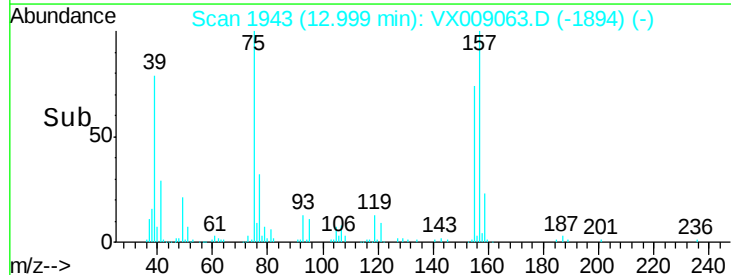
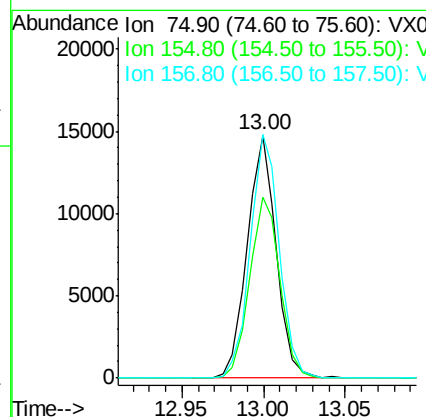
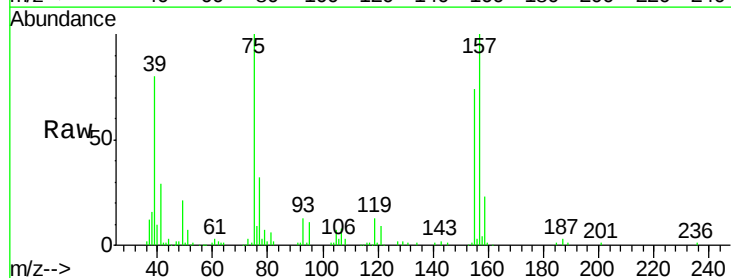
Manual Integrations
 APPROVED

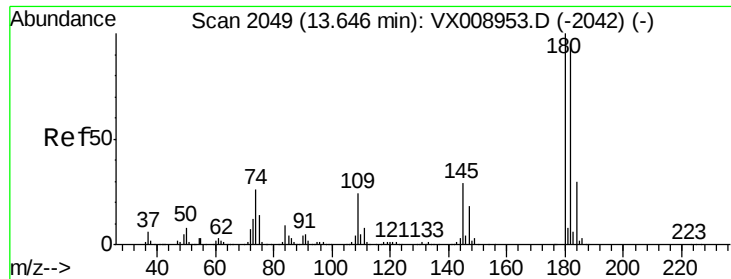
MMDadoda
 4/22/2019 10:50:54 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.610 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX009063.D
 Acq: 19 Apr 2019 12:23

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.8	41.2	123.6
157	101.1	52.5	157.6





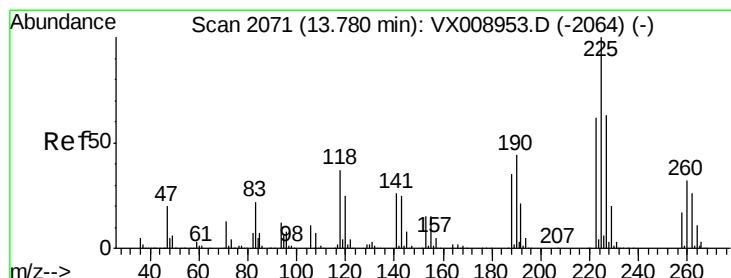
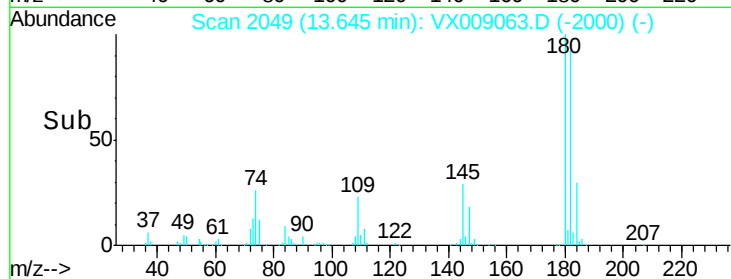
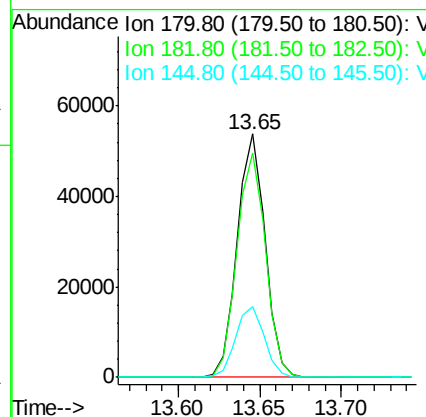
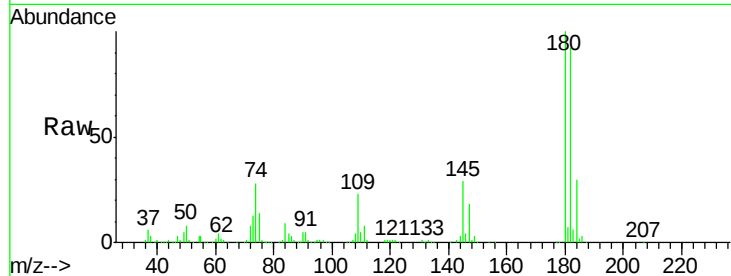
#93
 1,2,4-Trichlorobenzene
 Concen: 19.182 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX009063.D
 Acq: 19 Apr 2019 12:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0419MBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.6	142.9
145	30.0	14.8	44.4

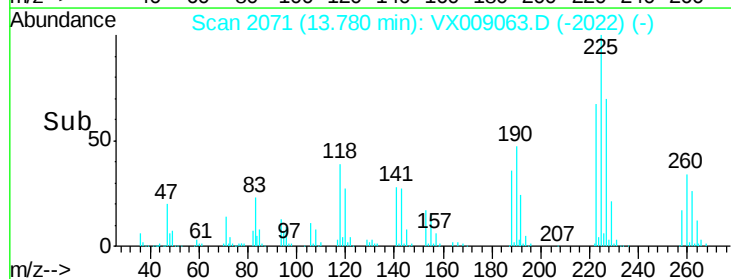
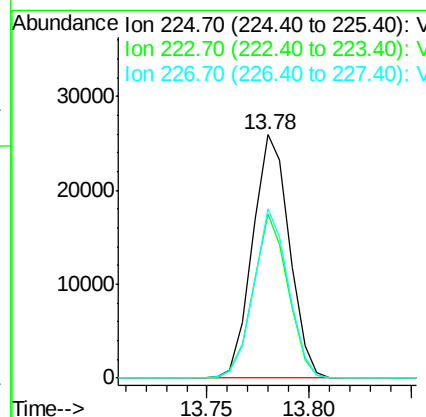
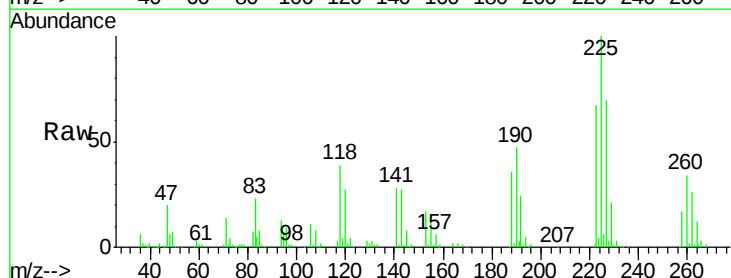
Manual Integrations
 APPROVED

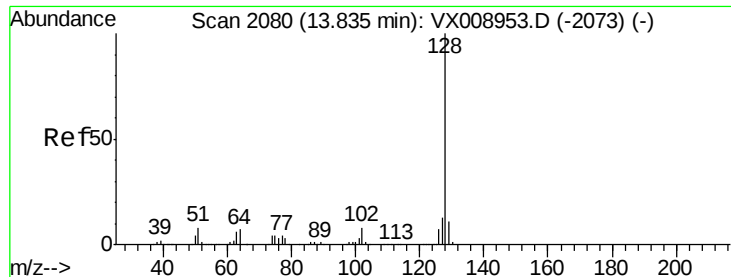
MMDadoda
 4/22/2019 10:50:54 AM



#94
 Hexachlorobutadiene
 Concen: 19.436 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX009063.D
 Acq: 19 Apr 2019 12:23

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.8	31.1	93.2
227	65.9	32.0	96.2





#95

Naphthalene

Concen: 20.491 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX009063.D

Acq: 19 Apr 2019 12:23

Instrument :

MSVOA_X

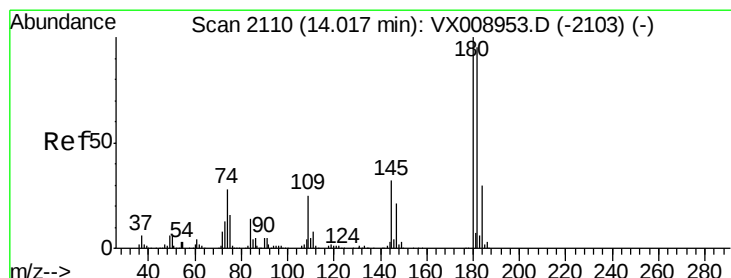
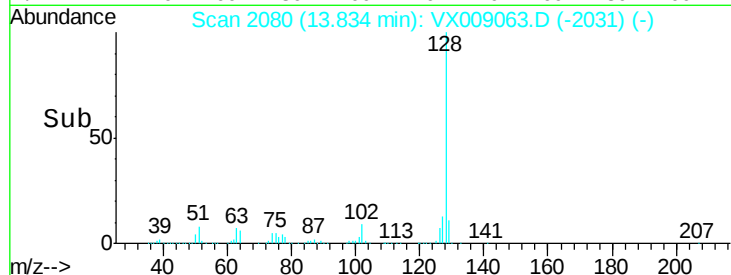
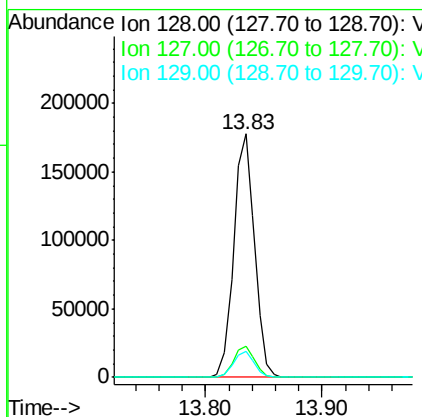
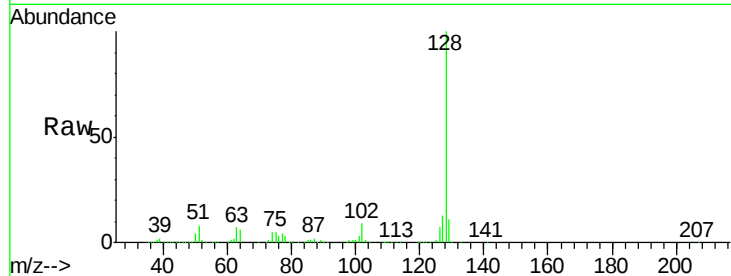
ClientSampleId :

VX0419MBS01

Tot Ion:	128	Resp:	219847
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.6	16.0
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
4/22/2019 10:50:54 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.501 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX009063.D

Acq: 19 Apr 2019 12:23

Tgt Ion:	180	Resp:	64436
Ion Ratio	Lower	Upper	
180	100		
182	95.1	47.8	143.4
145	31.3	15.8	47.3

