

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042319\
 Data File : VX009128.D
 Acq On : 23 Apr 2019 18:00
 Operator : JC/SP
 Sample : K2535-02MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S37-0016MS

Manual Integrations
 APPROVED

MMDadoda
 4/24/2019 12:03:00 PM

Quant Time: Apr 24 08:55:44 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	173828	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	287448	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	251576	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	122779	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	128213	52.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.68%	
35) Dibromofluoromethane	5.50	113	95686	51.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.74%	
50) Toluene-d8	8.71	98	368706	50.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.24%	
62) 4-Bromofluorobenzene	11.13	95	131437	50.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	113516	56.697	ug/l	99
3) Chloromethane	1.32	50	131692	53.576	ug/l	100
4) Vinyl Chloride	1.41	62	129365	54.074	ug/l	99
5) Bromomethane	1.64	94	202220	128.441	ug/l	98
6) Chloroethane	1.71	64	77847	55.336	ug/l	99
7) Trichlorofluoromethane	1.92	101	151180	54.124	ug/l	98
8) Diethyl Ether	2.19	74	69298	54.248	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	96653	54.120	ug/l	99
10) Methyl Iodide	2.51	142	114919	58.071	ug/l	99
11) Tert butyl alcohol	3.06	59	152743	280.894	ug/l	99
12) 1,1-Dichloroethene	2.37	96	100198	53.751	ug/l	99
13) Acrolein	2.29	56	107490	228.779	ug/l	99
14) Allyl chloride	2.73	41	230393	56.651	ug/l	99
15) Acrylonitrile	3.15	53	395492	286.513	ug/l	100
16) Acetone	2.45	43	337327	265.534	ug/l	100
17) Carbon Disulfide	2.56	76	288460	52.593	ug/l	99
18) Methyl Acetate	2.78	43	169496	53.459	ug/l	97
19) Methyl tert-butyl Ether	3.20	73	365718	55.061	ug/l	99
20) Methylene Chloride	2.85	84	113722	52.346	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	106021	53.323	ug/l	97
22) Diisopropyl ether	3.86	45	442388	55.979	ug/l	89
23) Vinyl Acetate	3.82	43	1878428	270.402	ug/l	99
24) 1,1-Dichloroethane	3.70	63	219118	55.235	ug/l	100
25) 2-Butanone	4.68	43	580050	285.653	ug/l	99
26) 2,2-Dichloropropane	4.58	77	143546	48.273	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	121740	53.928	ug/l	100
28) Bromochloromethane	5.02	49	94010	57.337	ug/l	98
29) Tetrahydrofuran	5.13	42	390771	287.517	ug/l	99
30) Chloroform	5.21	83	196052	55.227	ug/l	100
31) Cyclohexane	5.58	56	215765	55.299	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	161694	54.957	ug/l	99
36) 1,1-Dichloropropene	5.80	75	153744	51.716	ug/l	99
37) Ethyl Acetate	4.84	43	207756	54.310	ug/l	99
38) Carbon Tetrachloride	5.79	117	134322	53.297	ug/l	96

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	199045	54.992	ug/l	97
40) Benzene	6.14	78	468850	53.460	ug/l	99
41) Methacrylonitrile	5.04	41	122713	55.893	ug/l	98
42) 1,2-Dichloroethane	6.20	62	167591	53.945	ug/l	99
43) Isopropyl Acetate	6.45	43	327232	53.083	ug/l	100
44) Trichloroethene	7.21	130	109020	50.734	ug/l	99
45) 1,2-Dichloropropane	7.51	63	132950	54.643	ug/l	99
46) Dibromomethane	7.66	93	76361	53.928	ug/l	99
47) Bromodichloromethane	7.90	83	150885	54.329	ug/l	99
48) Methyl methacrylate	7.77	41	170335	55.921	ug/l	100
49) 1,4-Dioxane	7.74	88	56878	997.662	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	1112770	283.342	ug/l	99
52) Toluene	8.79	92	276178	52.545	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	172875	54.088	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	190911	53.344	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	113428	54.451	ug/l	98
56) Ethyl methacrylate	9.18	69	206444	55.269	ug/l	100
57) 1,3-Dichloropropane	9.37	76	202362	54.560	ug/l	100
59) 2-Hexanone	9.49	43	854794	282.309	ug/l	100
60) Dibromochloromethane	9.58	129	111314	55.755	ug/l	99
61) 1,2-Dibromoethane	9.67	107	116211	54.052	ug/l	98
64) Tetrachloroethene	9.34	164	94629	49.514	ug/l	99
65) Chlorobenzene	10.14	112	277033	52.171	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	102673	54.886	ug/l	98
67) Ethyl Benzene	10.25	91	518740	53.439	ug/l	100
68) m/p-Xylenes	10.36	106	376786	106.805	ug/l	98
69) o-Xylene	10.70	106	182760	53.243	ug/l	97
70) Styrene	10.71	104	320959	53.957	ug/l	99
71) Bromoform	10.86	173	81868	54.933	ug/l #	99
73) Isopropylbenzene	11.02	105	490360	52.690	ug/l	100
74) N-amyl acetate	10.90	43	277281	51.890	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	183172	53.868	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	155923m	52.009	ug/l	
77) Bromobenzene	11.26	156	118733	50.566	ug/l	99
78) n-propylbenzene	11.36	91	570247	53.385	ug/l	100
79) 2-Chlorotoluene	11.42	91	337770	52.474	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	416550	53.338	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	59513	50.962	ug/l	95
82) 4-Chlorotoluene	11.51	91	390021	52.172	ug/l	100
83) tert-Butylbenzene	11.77	119	396119	52.830	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	418494	52.644	ug/l	100
85) sec-Butylbenzene	11.94	105	476204	53.252	ug/l	100
86) p-Isopropyltoluene	12.06	119	437992	53.273	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	211238	51.400	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	213003	51.128	ug/l	99
89) n-Butylbenzene	12.39	91	403575	52.708	ug/l	99
90) Hexachloroethane	12.60	117	71538	52.749	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	213321	52.565	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	41879	54.092	ug/l	100
93) 1,2,4-Trichlorobenzene	13.65	180	151972	51.877	ug/l	99

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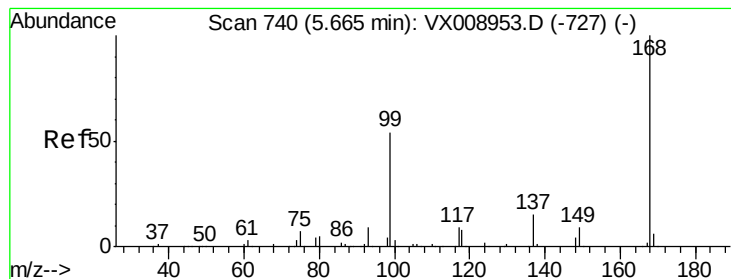
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Quant Title : SW846 8260
QLast Update : Wed Apr 17 06:47:58 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	75169	51.447	ug/l	99
95) Naphthalene	13.83	128	505965	53.909	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	152276	52.683	ug/l	100

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



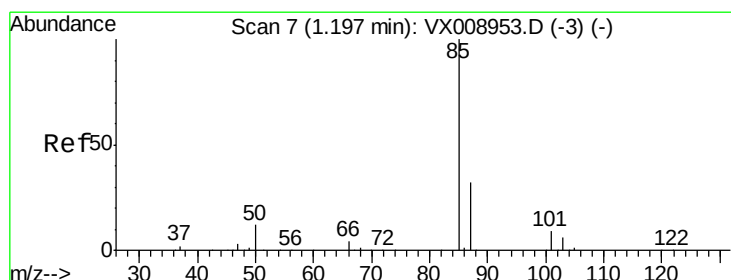
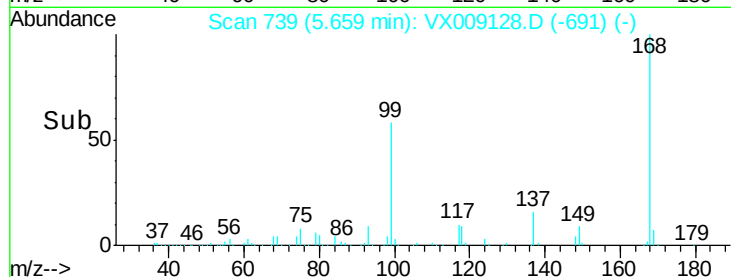
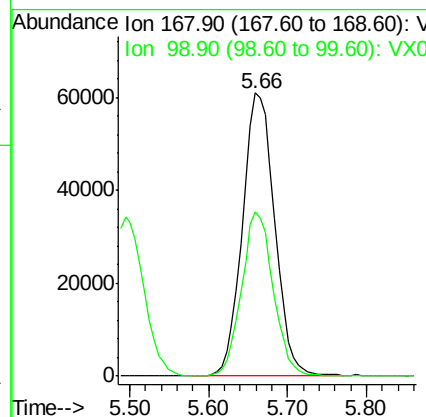
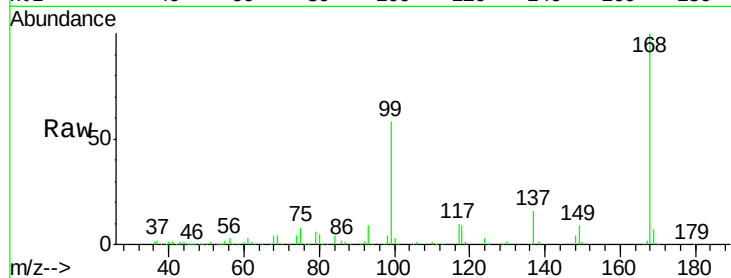
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.01 min
Lab File: VX009128.D
Acq: 23 Apr 2019 18:00

Instrument :
MSVOA_X
ClientSampleId :
S37-0016MS

Tot Ion	Ratio	Resp	Lower	Upper
168	100	173828		
99	57.8	43.0	64.6	

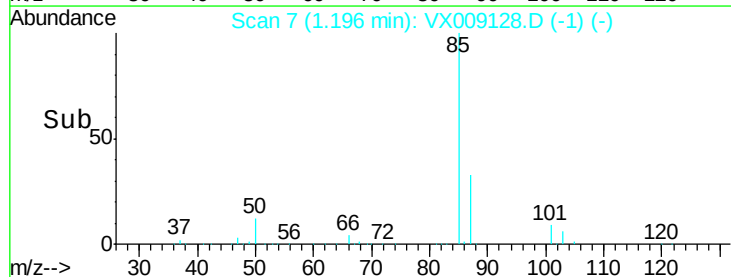
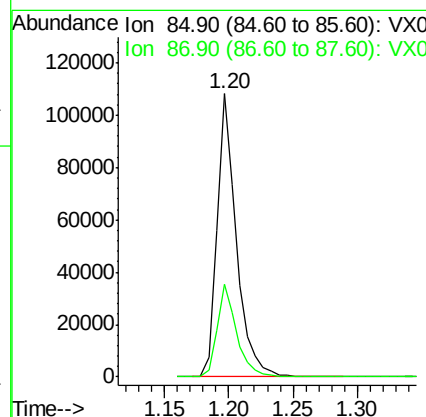
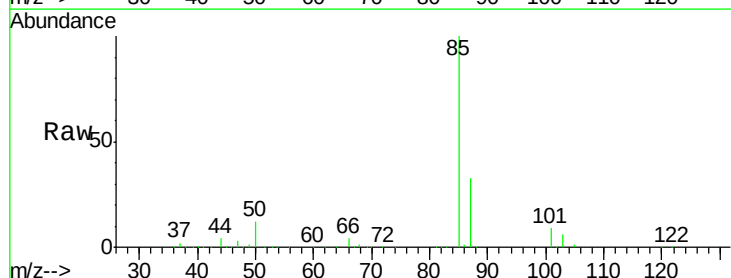
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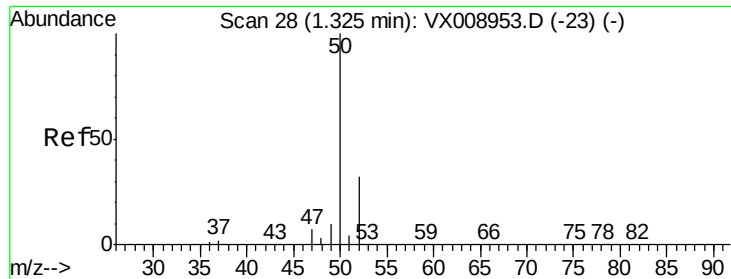
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#2
Dichlorodifluoromethane
Concen: 56.697 ug/l
RT: 1.20 min Scan# 7
Delta R.T. -0.00 min
Lab File: VX009128.D
Acq: 23 Apr 2019 18:00

Tgt Ion	Ratio	Resp	Lower	Upper
85	100	113516		
87	32.7	16.0	47.9	





#3

Chloromethane

Concen: 53.576 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009128.D

Acq: 23 Apr 2019 18:00

Instrument :

MSVOA_X

ClientSampled :

S37-0016MS

Tot Ion: 50 Resp: 131692

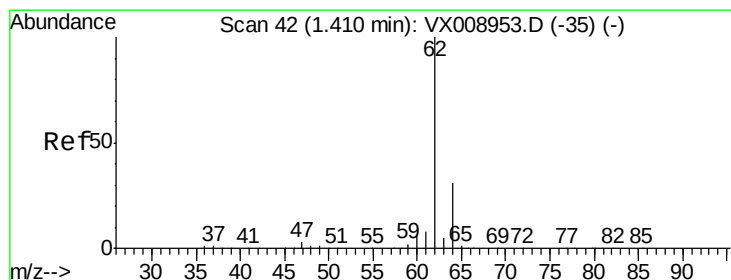
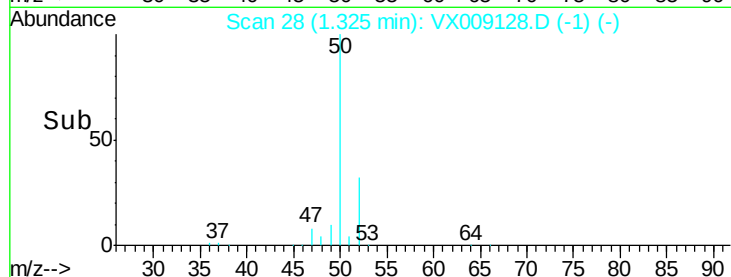
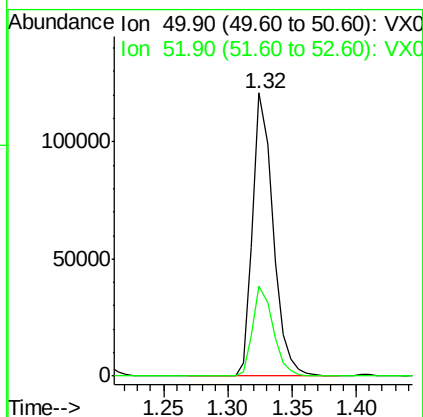
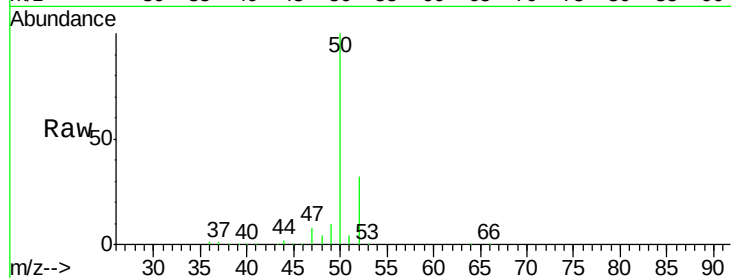
Ion Ratio Lower Upper

50 100

52 31.7 25.5 38.3

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#4

Vinyl Chloride

Concen: 54.074 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX009128.D

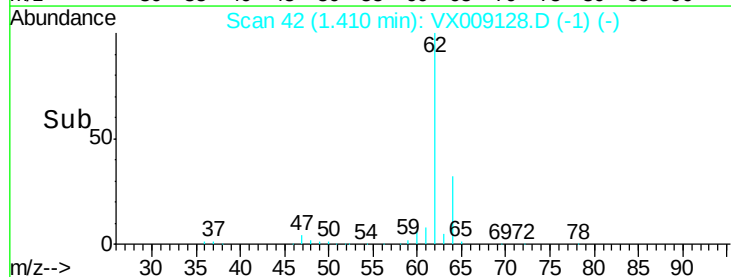
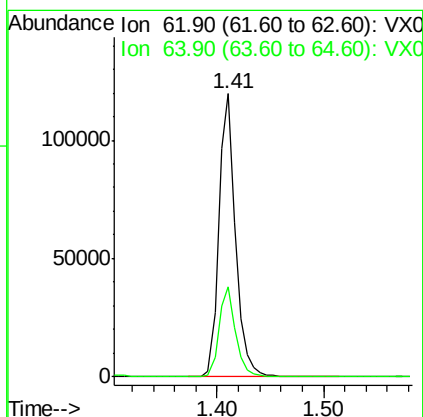
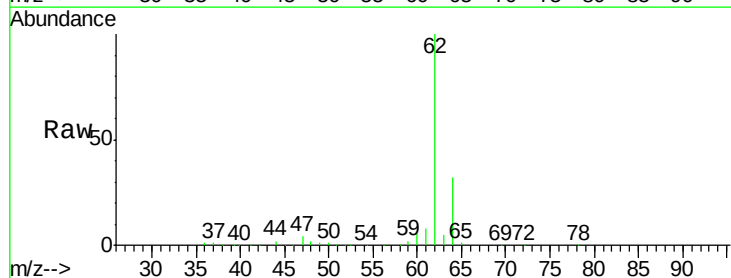
Acq: 23 Apr 2019 18:00

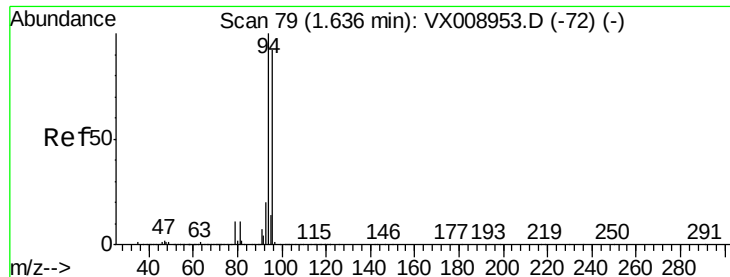
Tgt Ion: 62 Resp: 129365

Ion Ratio Lower Upper

62 100

64 31.7 25.0 37.4





#5

Bromomethane

Concen: 128.441 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009128.D

Acq: 23 Apr 2019 18:00

Instrument :

MSVOA_X

ClientSampleId :

S37-0016MS

Tot Ion: 94 Resp: 202220

Ion Ratio Lower Upper

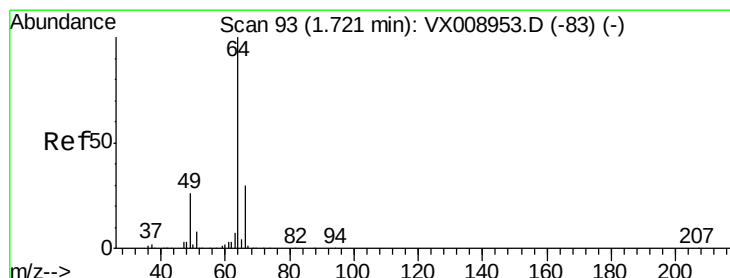
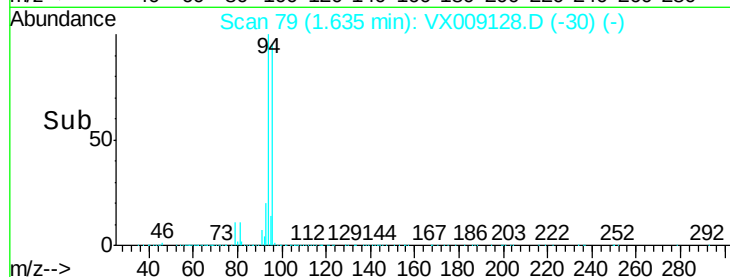
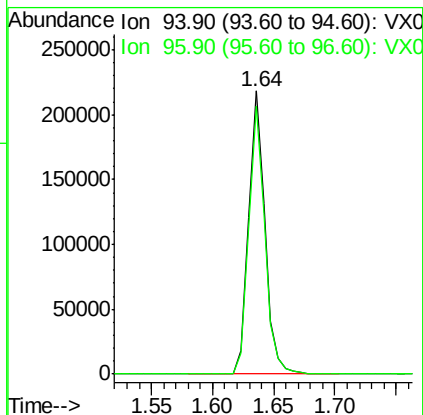
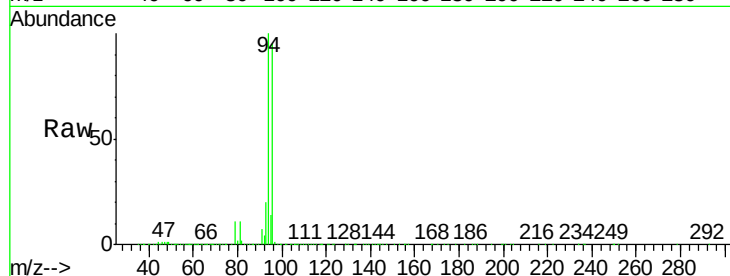
94 100

96 94.5 73.9 110.9

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#6

Chloroethane

Concen: 55.336 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX009128.D

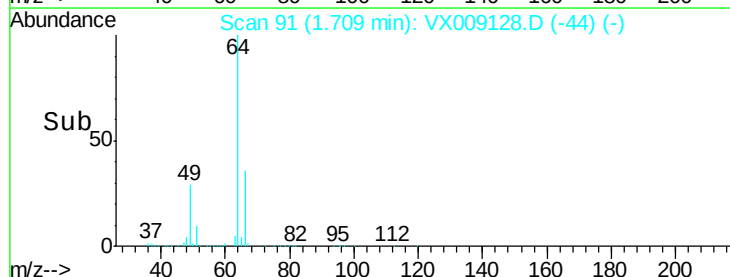
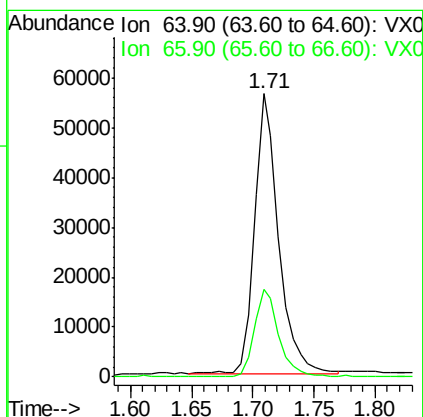
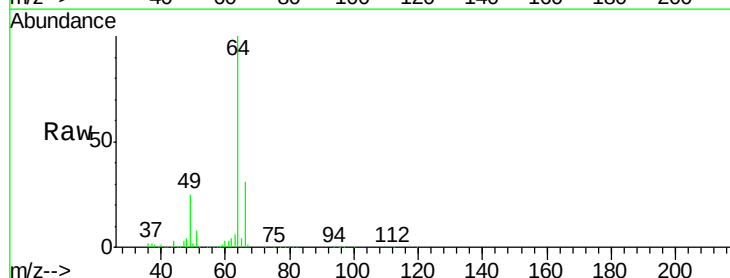
Acq: 23 Apr 2019 18:00

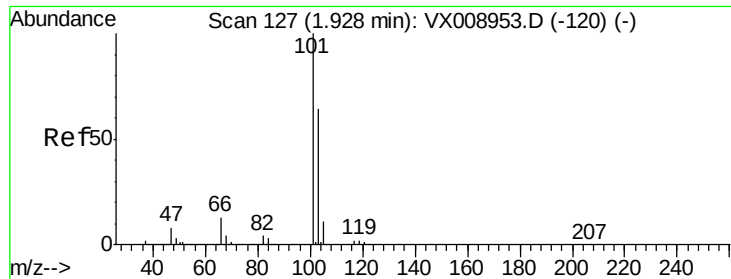
Tgt Ion: 64 Resp: 77847

Ion Ratio Lower Upper

64 100

66 30.9 24.2 36.2





#7

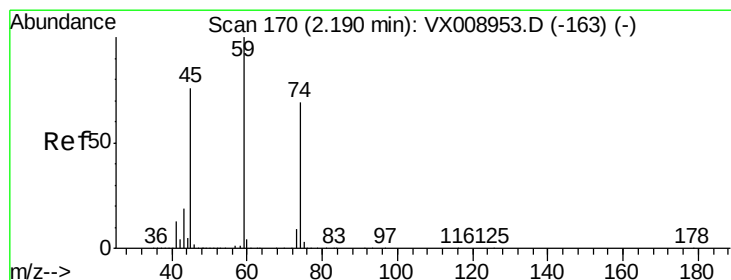
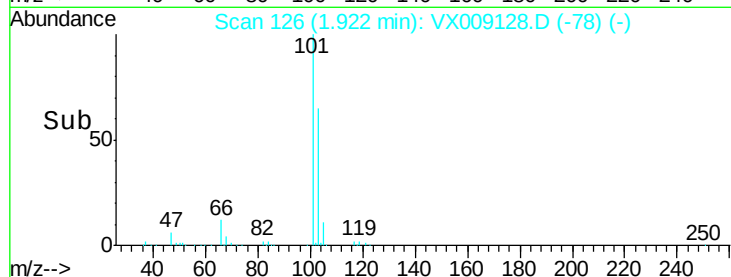
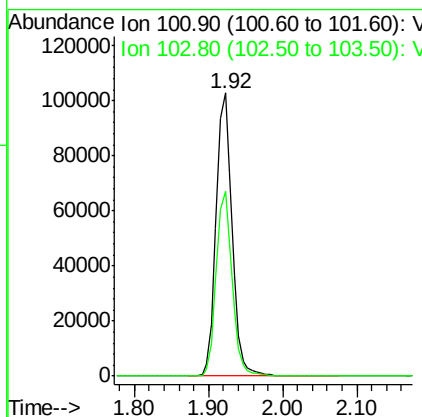
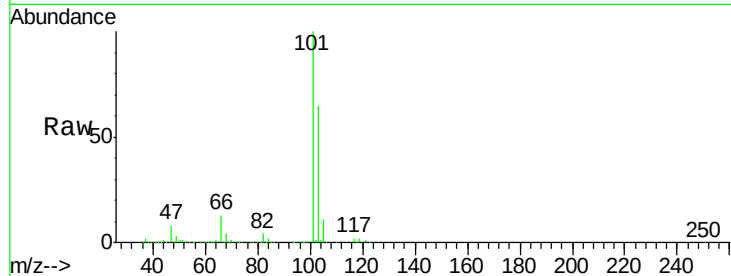
Trichlorofluoromethane
 Concen: 54.124 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. -0.01 min
 Lab File: VX009128.D
 Acq: 23 Apr 2019 18:00

Instrument :
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 S37-0016MS

Tot Ion	Ratio	Resp	Lower	Upper
101	100	151180		
103	65.2	51.0	76.6	

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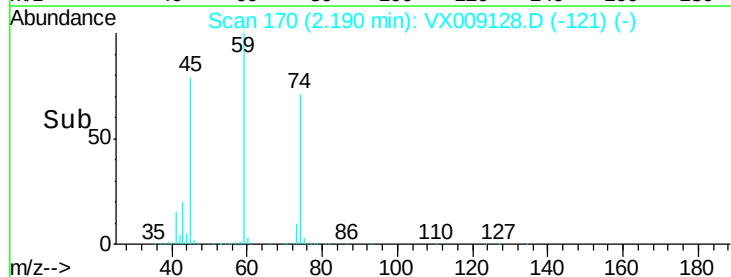
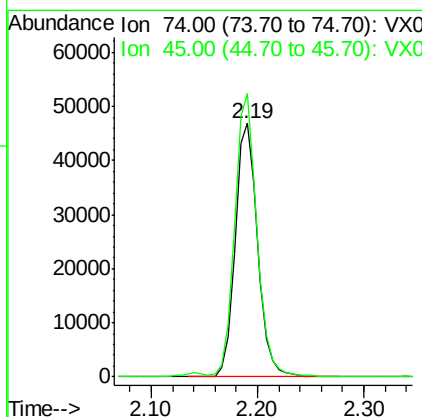
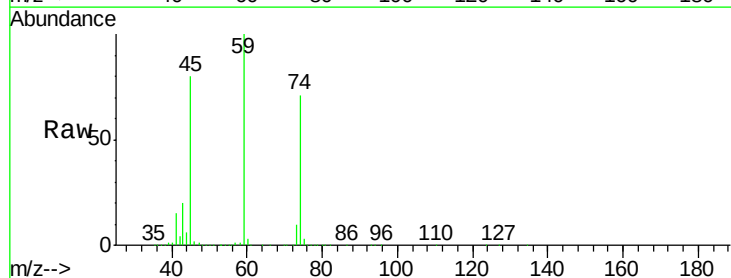
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 4/24/2019 12:03:00 PM

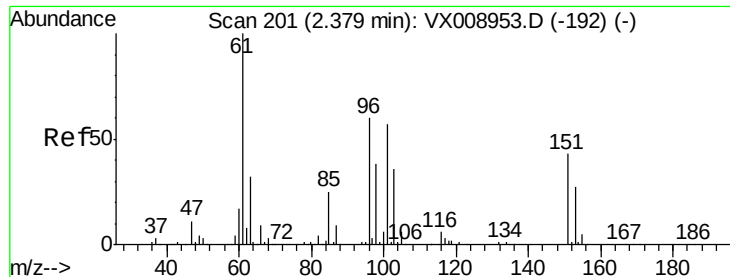


#8

Diethyl Ether
 Concen: 54.248 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. -0.00 min
 Lab File: VX009128.D
 Acq: 23 Apr 2019 18:00

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	69298		
45	109.6	54.9	164.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.120 ug/l

RT: 2.37 min Scan# 200

Delta R.T. -0.01 min

Lab File: VX009128.D

Acq: 23 Apr 2019 18:00

Instrument :

MSVOA_X

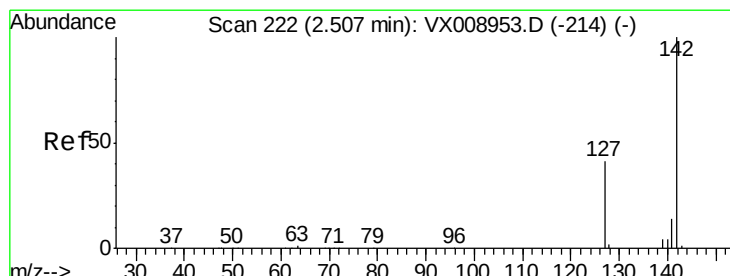
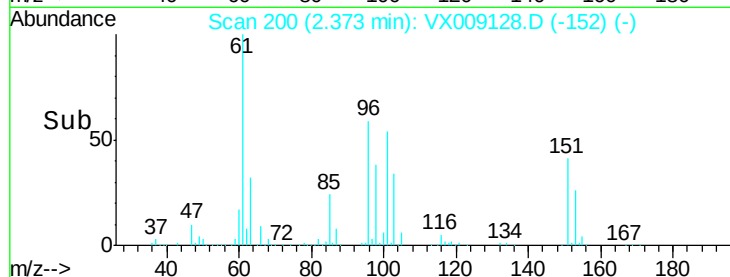
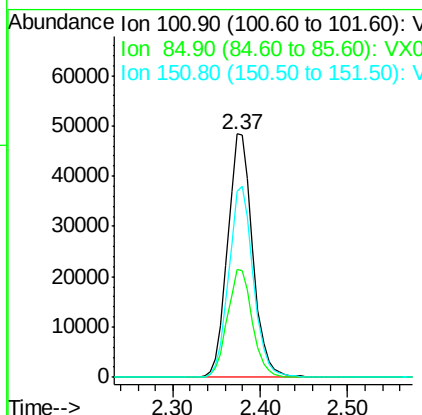
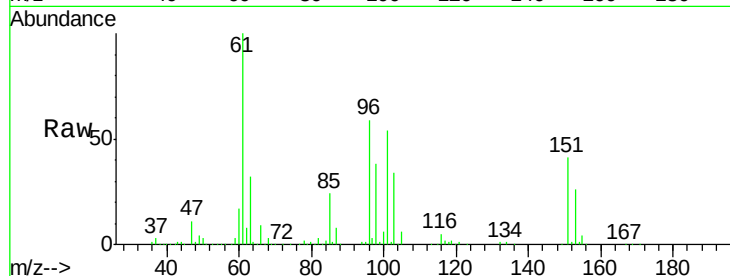
ClientSampleId :

S37-0016MS

Tot Ion:	101	Resp:	96653
Ion Ratio	Lower	Upper	
101	100		
85	44.2	35.7	53.5
151	77.0	62.7	94.1

Manual Integrations
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4/24/2019 12:03:00 PM



#10

Methyl Iodide

Concen: 58.071 ug/l

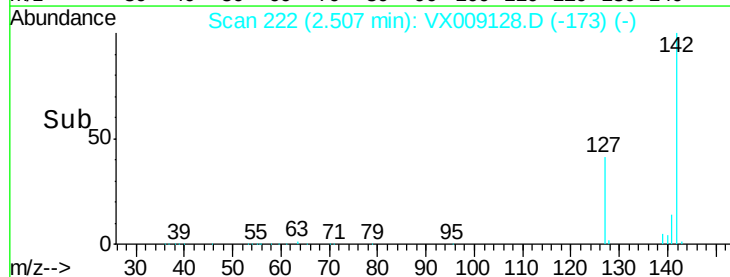
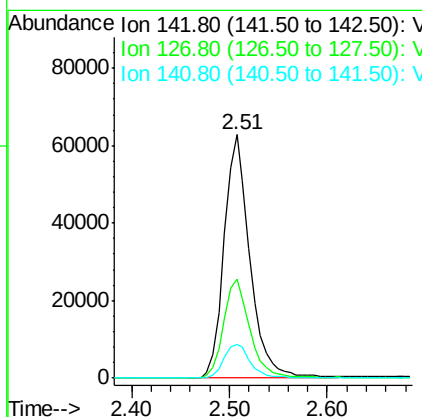
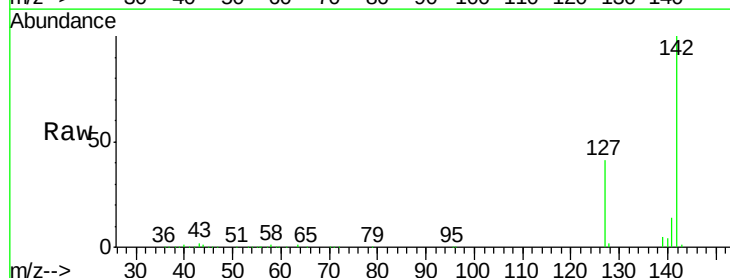
RT: 2.51 min Scan# 222

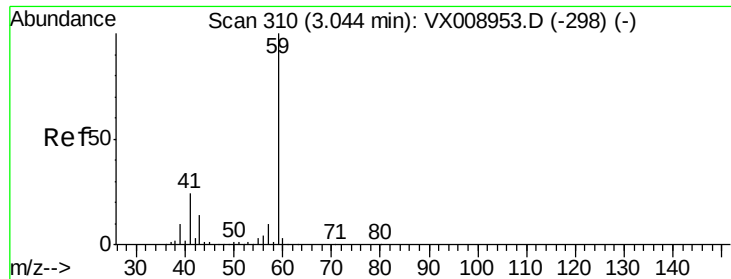
Delta R.T. 0.00 min

Lab File: VX009128.D

Acq: 23 Apr 2019 18:00

Tgt Ion:	142	Resp:	114919
Ion Ratio	Lower	Upper	
142	100		
127	41.4	32.8	49.2
141	14.5	11.4	17.2





#11

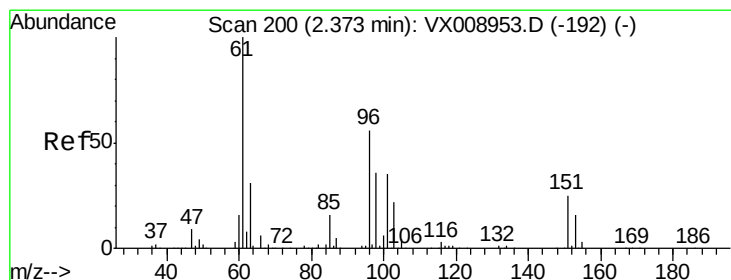
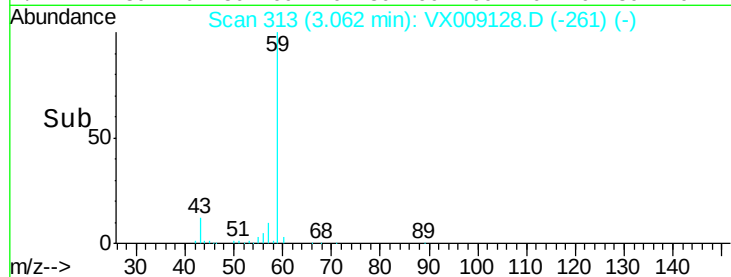
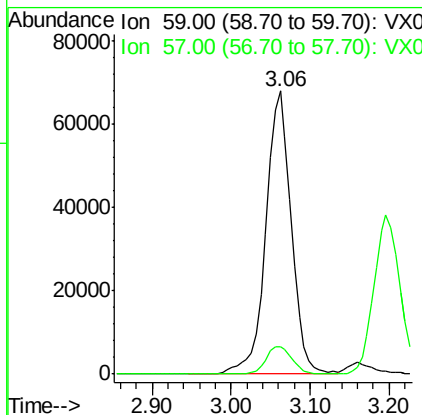
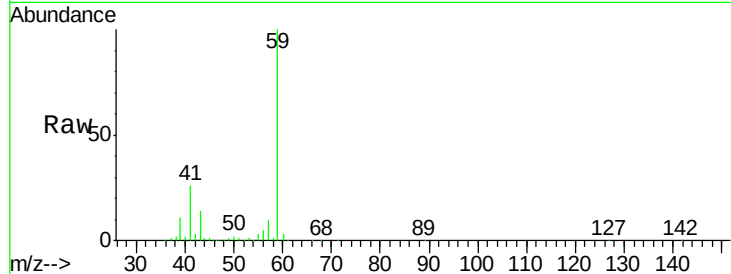
Tert butyl alcohol
 Concen: 280.894 ug/l
 RT: 3.06 min Scan# 313
 Delta R.T. 0.02 min
 Lab File: VX009128.D
 Acq: 23 Apr 2019 18:00

Instrument :
 MSVOA_X
 ClientSampleId :
 S37-0016MS

Tot Ion	Ratio	Resp	Lower	Upper
59	100	152743		
57	10.1		8.4	12.6

Manual Integrations
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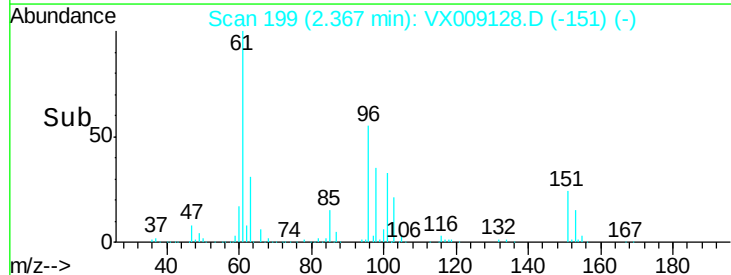
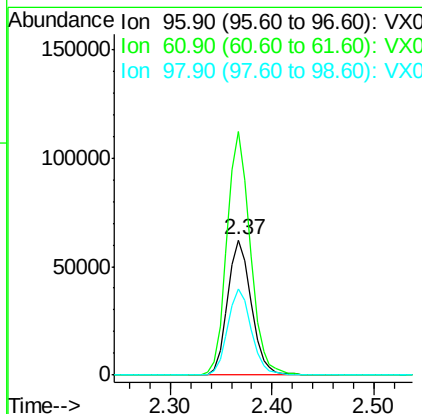
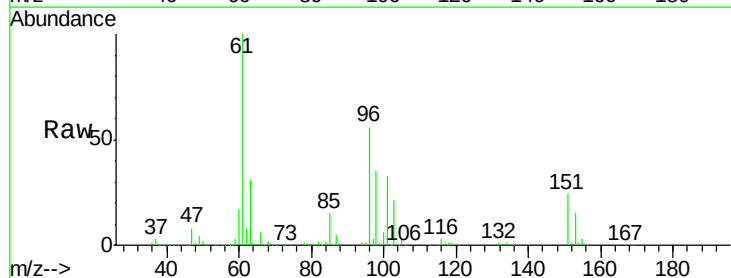
MMDadoda
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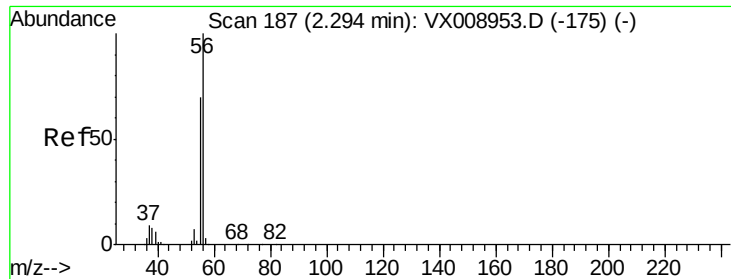


#12

1,1-Dichloroethene
 Concen: 53.751 ug/l
 RT: 2.37 min Scan# 199
 Delta R.T. -0.01 min
 Lab File: VX009128.D
 Acq: 23 Apr 2019 18:00

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	100198		
61	179.9		142.2	213.2
98	63.4		50.9	76.3





#13

Acrolein

Concen: 228.779 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX009128.D

Acq: 23 Apr 2019 18:00

Instrument :

MSVOA_X

ClientSampleId :

S37-0016MS

Tot Ion: 56 Resp: 107490

Ion Ratio Lower Upper

56 100

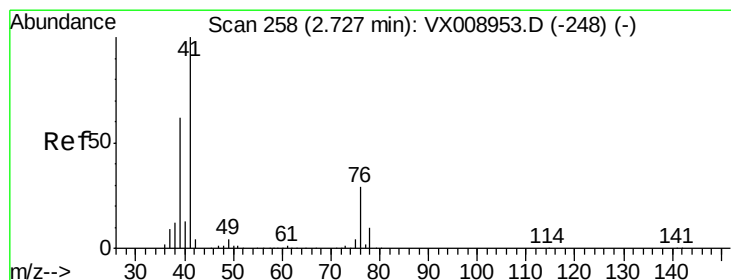
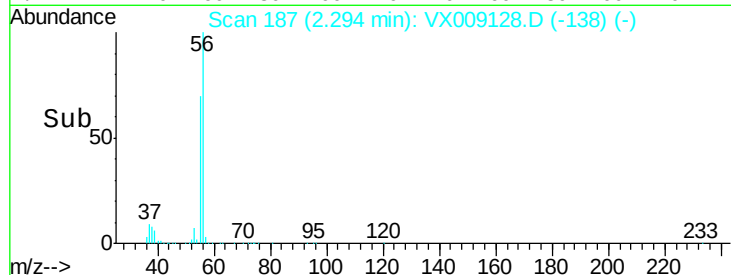
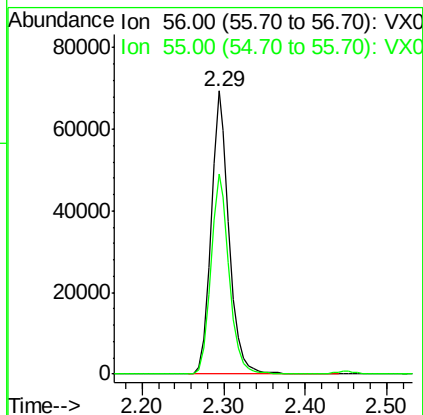
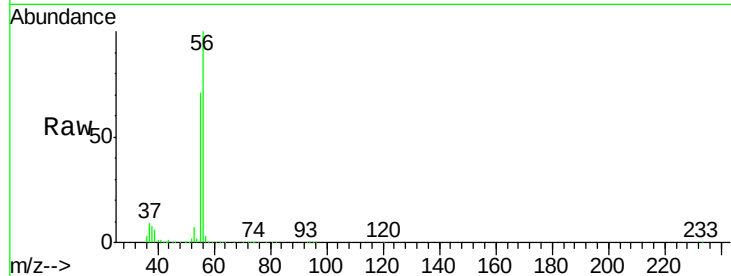
55 71.3 56.6 84.8

Manual Integrations

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#14

Allyl chloride

Concen: 56.651 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX009128.D

Acq: 23 Apr 2019 18:00

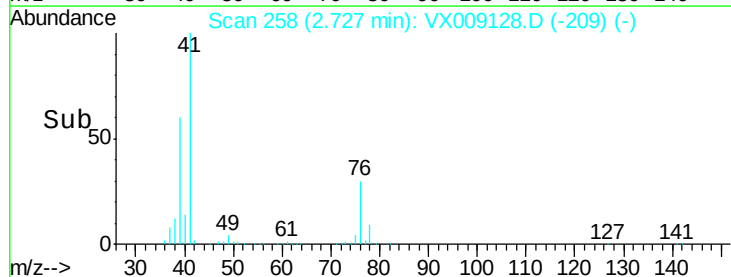
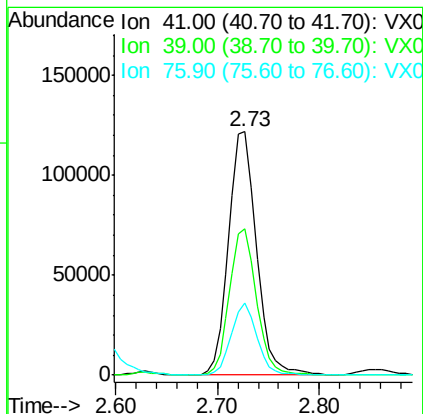
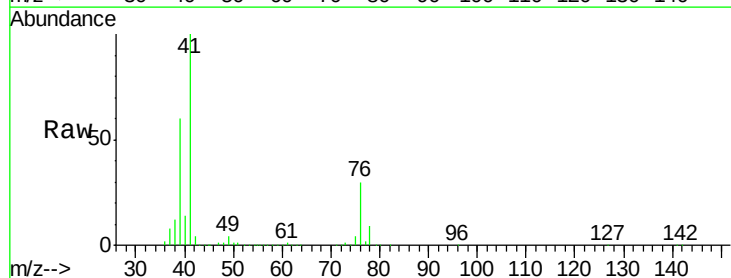
Tgt Ion: 41 Resp: 230393

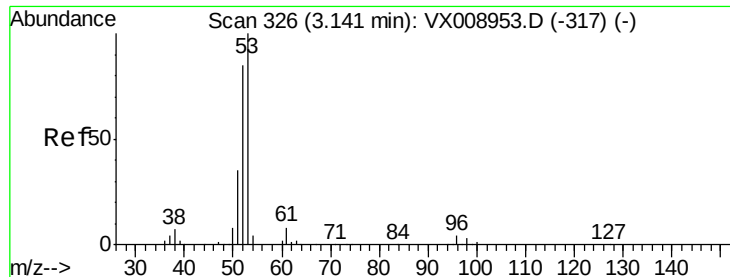
Ion Ratio Lower Upper

41 100

39 58.0 46.7 70.1

76 27.2 22.0 33.0





#15

Acrylonitrile

Concen: 286.513 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.01 min

Lab File: VX009128.D

Acq: 23 Apr 2019 18:00

Instrument :

MSVOA_X

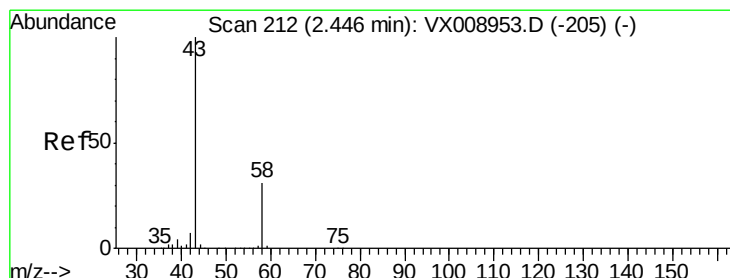
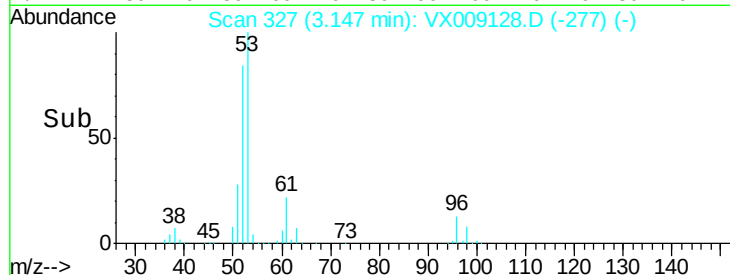
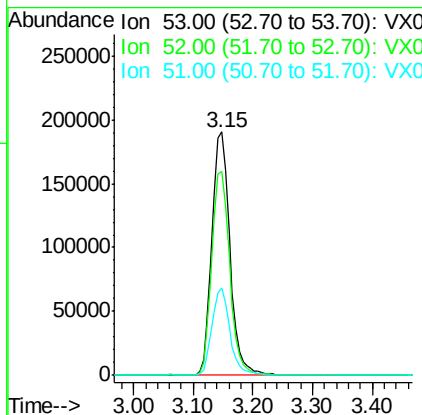
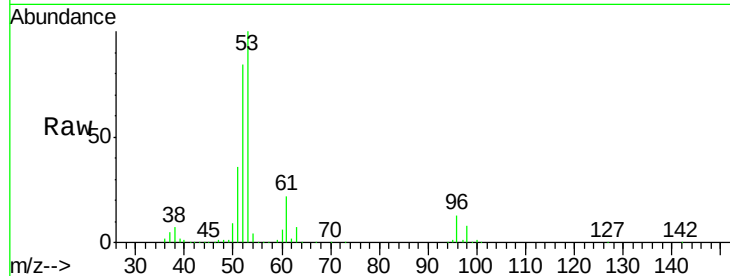
ClientSampleId :

S37-0016MS

Tot Ion:	53	Resp:	395492
Ion Ratio	Lower	Upper	
53	100		
52	83.7	66.6	100.0
51	35.6	28.3	42.5

Manual Integrations
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#16

Acetone

Concen: 265.534 ug/l

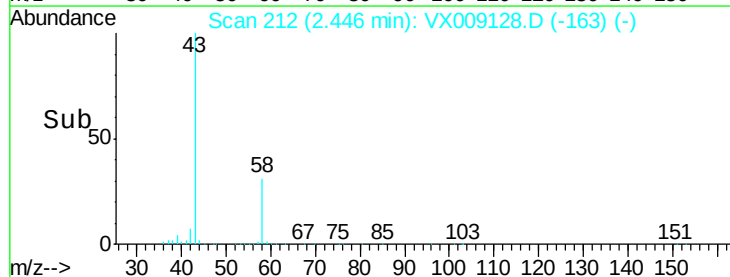
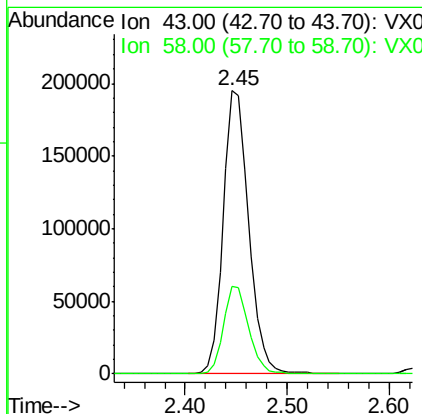
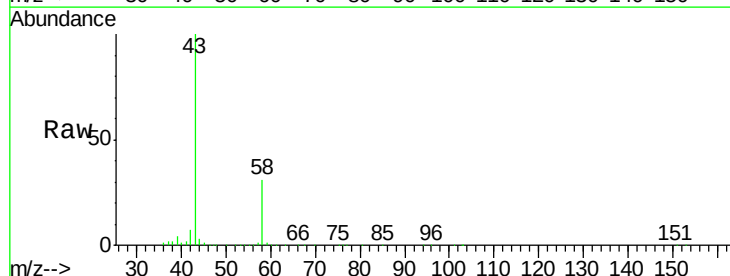
RT: 2.45 min Scan# 212

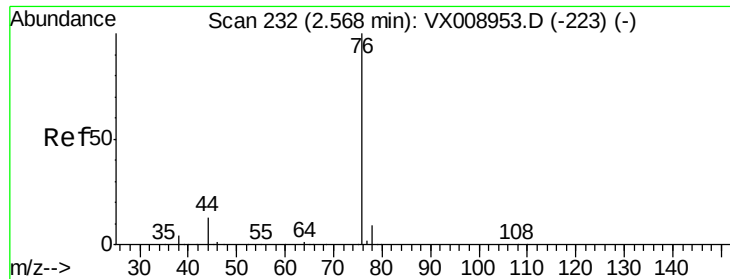
Delta R.T. -0.00 min

Lab File: VX009128.D

Acq: 23 Apr 2019 18:00

Tgt Ion:	43	Resp:	337327
Ion Ratio	Lower	Upper	
43	100		
58	30.9	24.8	37.2





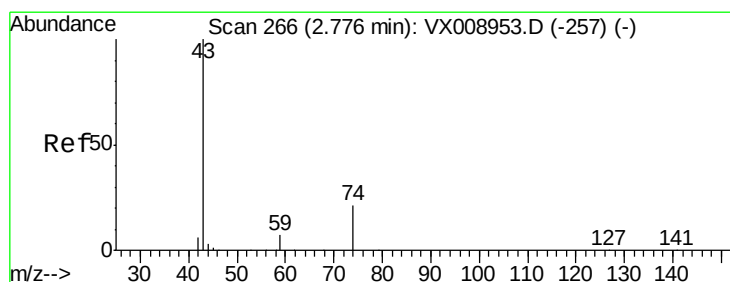
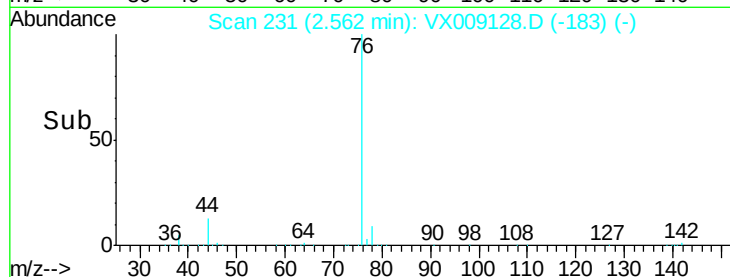
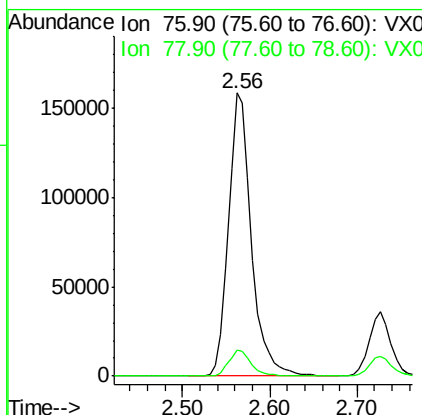
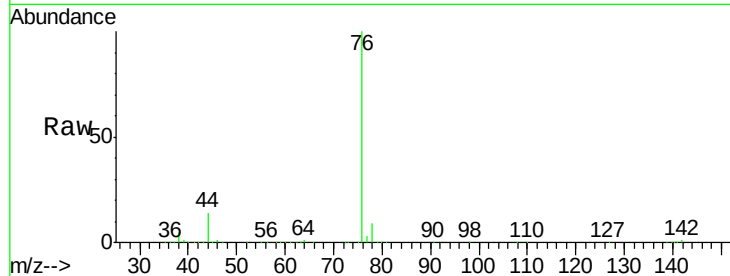
#17
Carbon Disulfide
Concen: 52.593 ug/l
RT: 2.56 min Scan# 231
Delta R.T. -0.01 min
Lab File: VX009128.D
Acq: 23 Apr 2019 18:00

Instrument :
MSVOA_X
ClientSampleId :
S37-0016MS

Tot Ion: 76 Resp: 288460
Ion Ratio Lower Upper
76 100
78 9.3 7.2 10.8

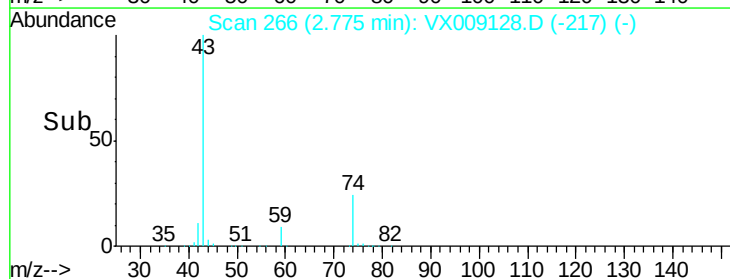
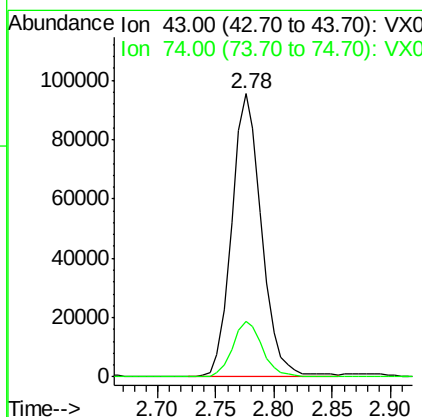
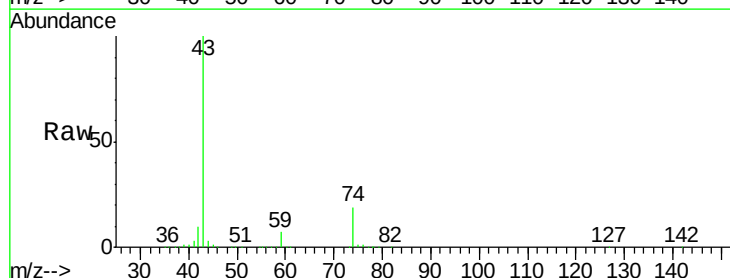
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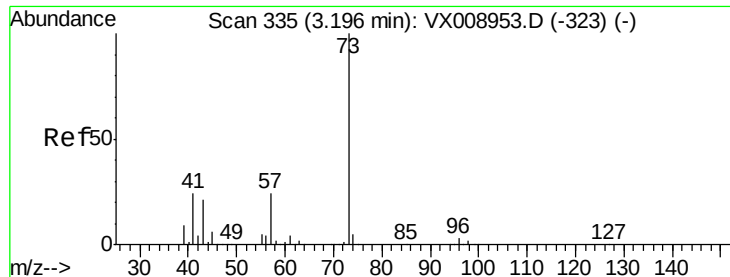
MMDadoda
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#18
Methyl Acetate
Concen: 53.459 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX009128.D
Acq: 23 Apr 2019 18:00

Tgt Ion: 43 Resp: 169496
Ion Ratio Lower Upper
43 100
74 19.4 16.6 25.0





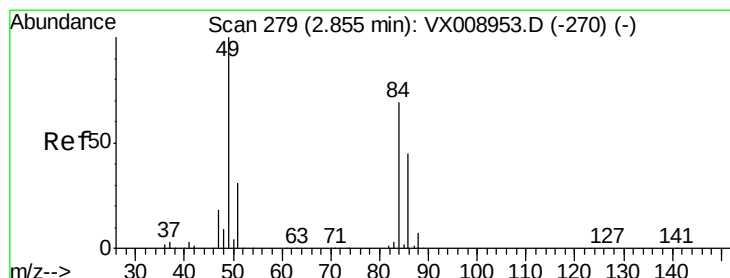
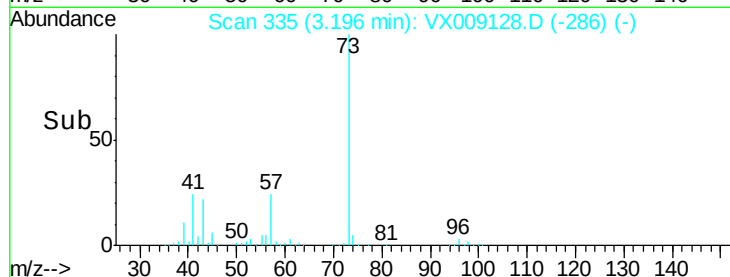
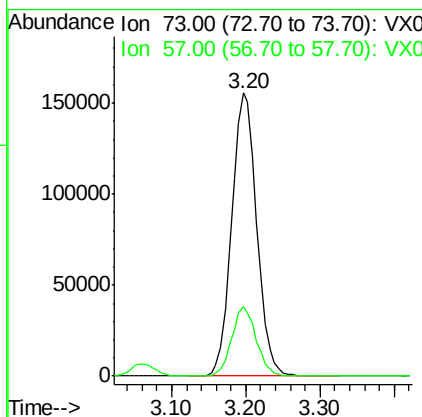
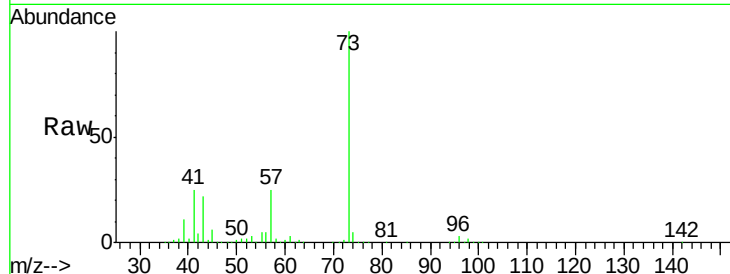
#19
Methyl tert-butyl Ether
Concen: 55.061 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX009128.D
Acq: 23 Apr 2019 18:00

Instrument :
MSVOA_X
ClientSampleId :
S37-0016MS

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.4	19.2	28.8

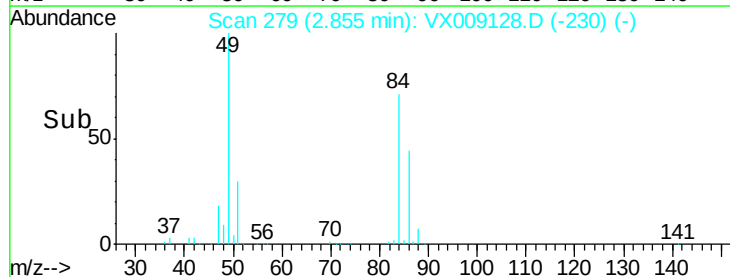
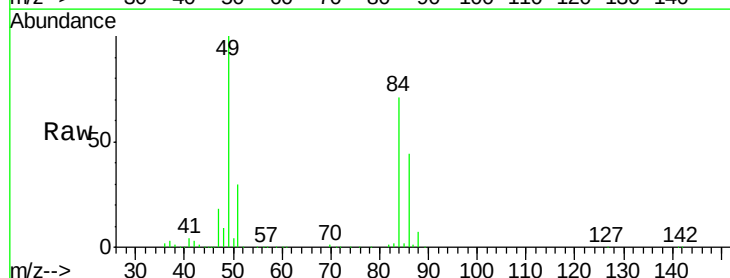
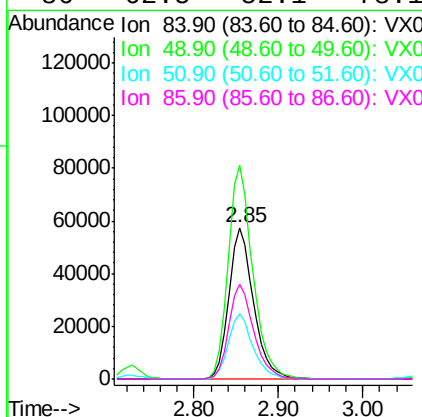
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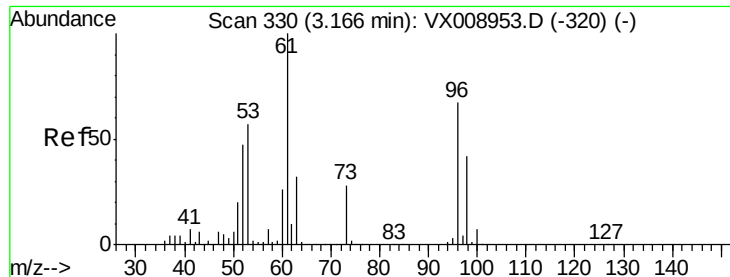
MMDadoda
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#20
Methylene Chloride
Concen: 52.346 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX009128.D
Acq: 23 Apr 2019 18:00

Tgt Ion	Ratio	Lower	Upper
84	100		
49	141.3	115.4	173.0
51	42.7	35.8	53.6
86	62.5	52.1	78.1





#21

trans-1,2-Dichloroethene

Concen: 53.323 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX009128.D

Acq: 23 Apr 2019 18:00

Instrument :

MSVOA_X

ClientSampled :

S37-0016MS

Tot Ion: 96 Resp: 106021

Ion Ratio Lower Upper

96 100

61 154.4 120.3 180.5

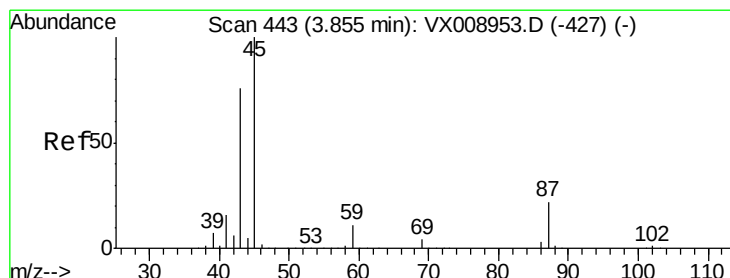
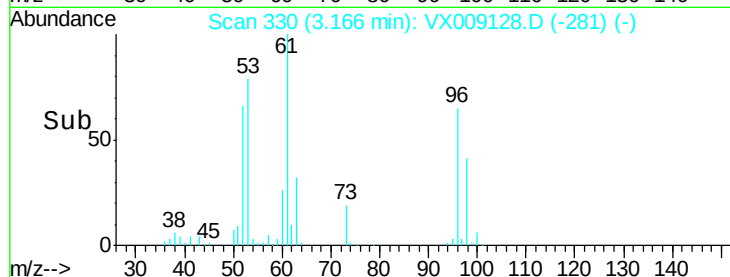
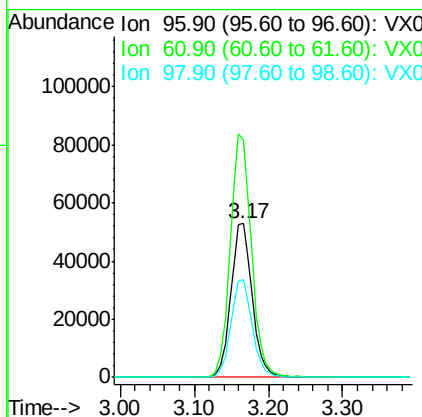
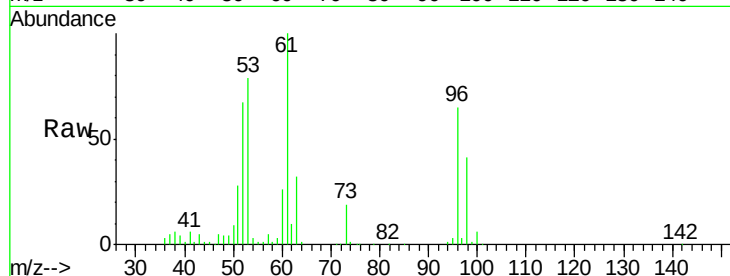
98 63.7 50.2 75.2

Manual Integrations

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#22

Diisopropyl ether

Concen: 55.979 ug/l

RT: 3.86 min Scan# 444

Delta R.T. 0.01 min

Lab File: VX009128.D

Acq: 23 Apr 2019 18:00

Tgt Ion: 45 Resp: 442388

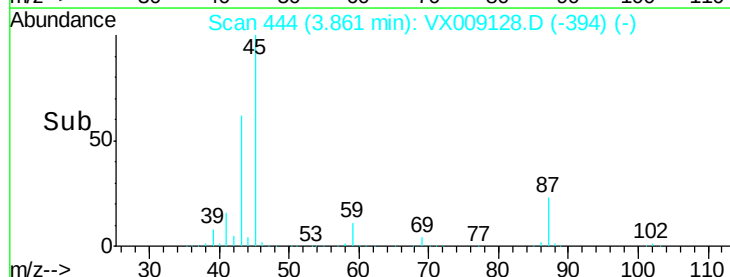
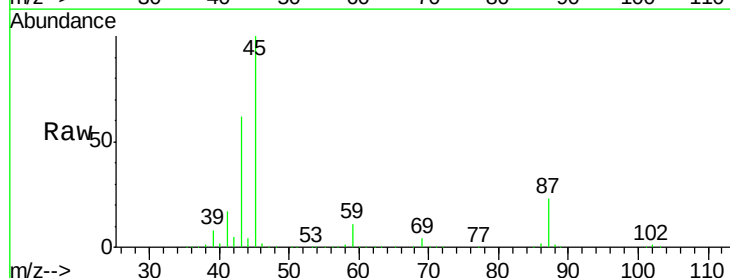
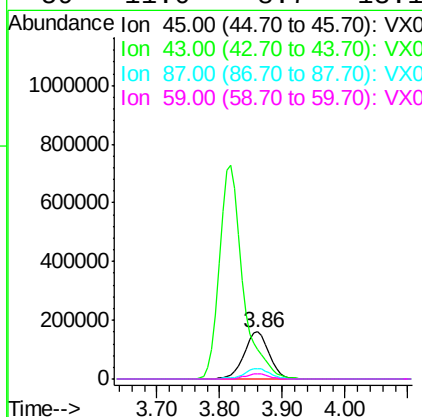
Ion Ratio Lower Upper

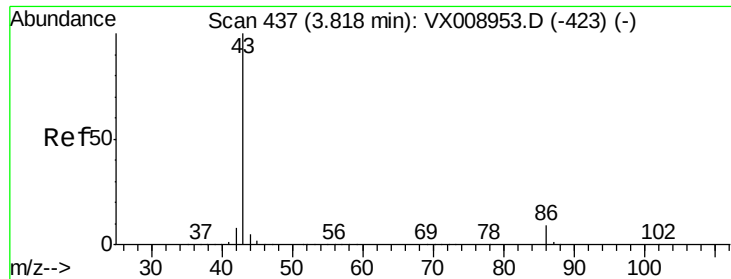
45 100

43 62.3 60.6 91.0

87 22.7 17.8 26.8

59 11.0 8.7 13.1





#23

Vinyl Acetate

Concen: 270.402 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.00 min

Lab File: VX009128.D

Acq: 23 Apr 2019 18:00

Instrument :

MSVOA_X

ClientSampleId :

S37-0016MS

Tot Ion: 43 Resp: 1878428

Ion Ratio Lower Upper

43 100

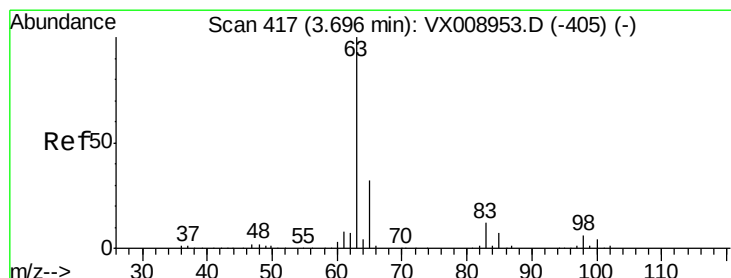
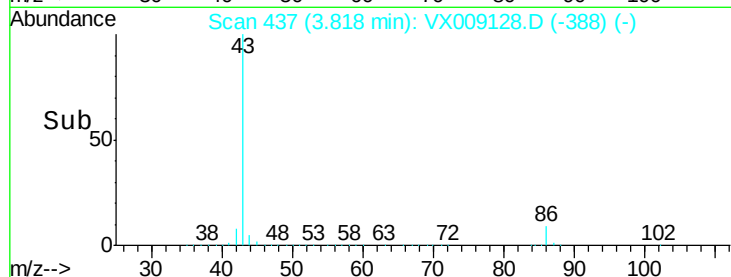
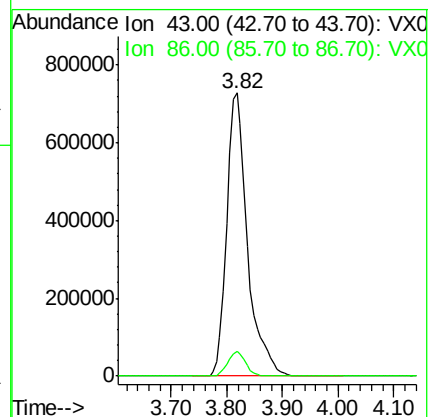
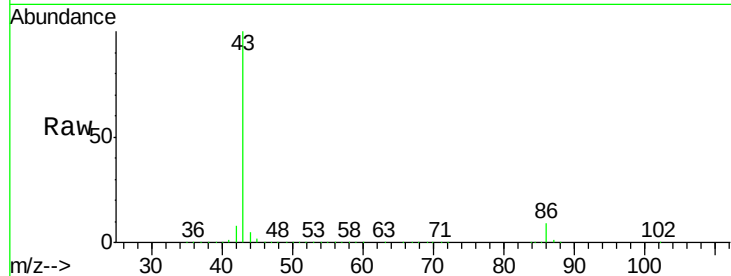
86 8.7 7.1 10.7

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 55.235 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX009128.D

Acq: 23 Apr 2019 18:00

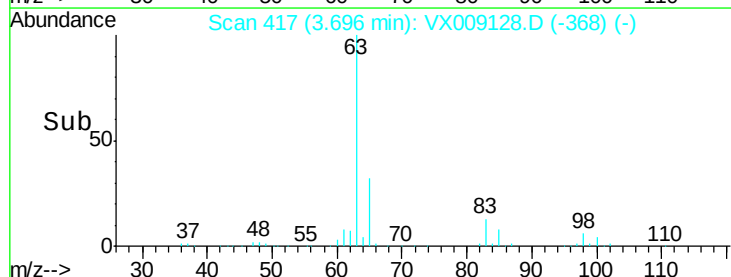
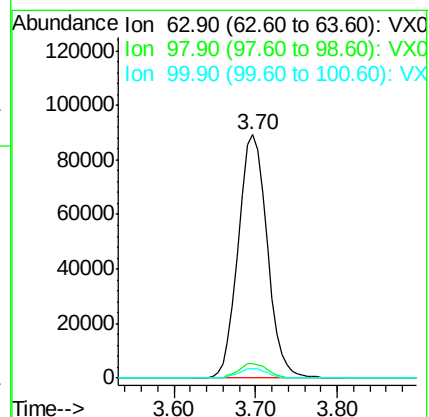
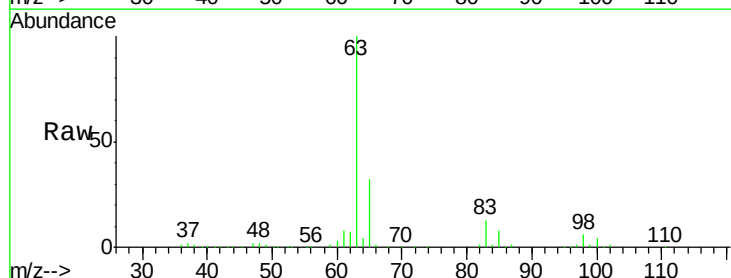
Tgt Ion: 63 Resp: 219118

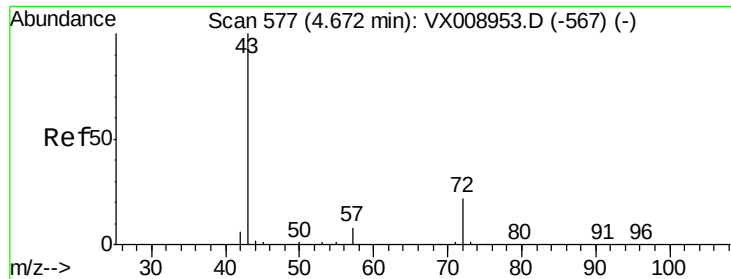
Ion Ratio Lower Upper

63 100

98 6.2 3.1 9.3

100 4.1 1.9 5.7





#25

2-Butanone

Concen: 285.653 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.01 min

Lab File: VX009128.D

Acq: 23 Apr 2019 18:00

Instrument :

MSVOA_X

ClientSampleId :

S37-0016MS

Tot Ion: 43 Resp: 580050

Ion Ratio Lower Upper

43 100

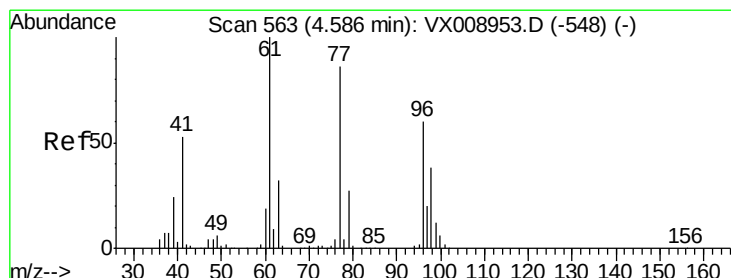
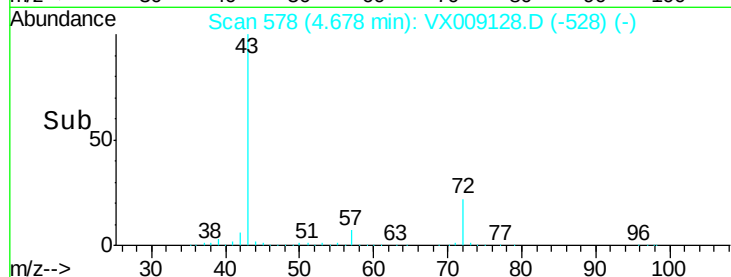
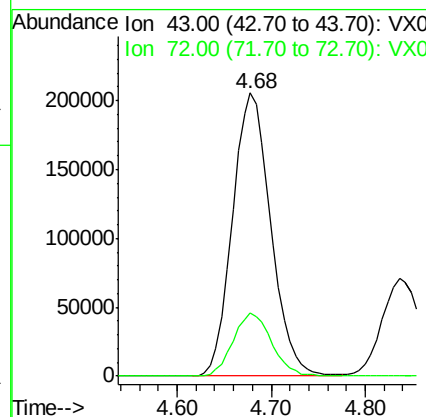
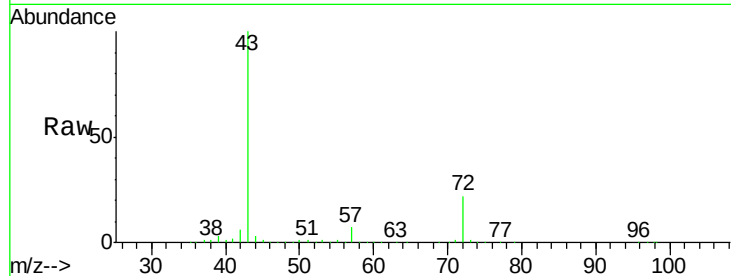
72 22.4 17.5 26.3

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 48.273 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX009128.D

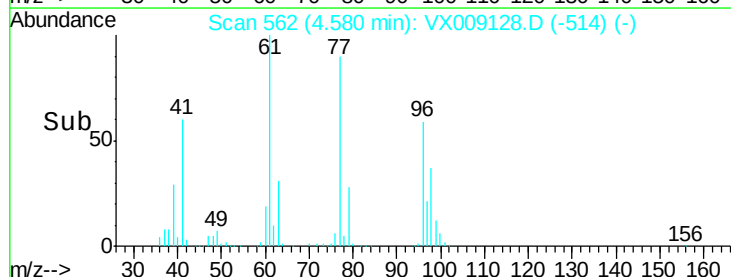
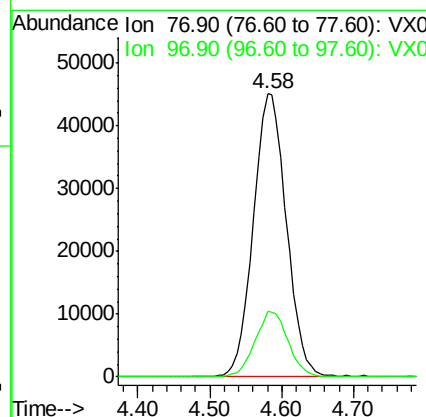
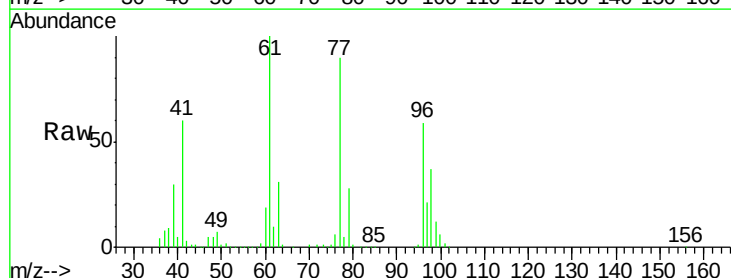
Acq: 23 Apr 2019 18:00

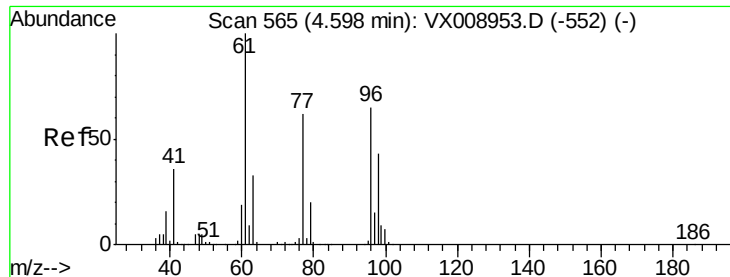
Tgt Ion: 77 Resp: 143546

Ion Ratio Lower Upper

77 100

97 23.1 11.7 35.0





#27

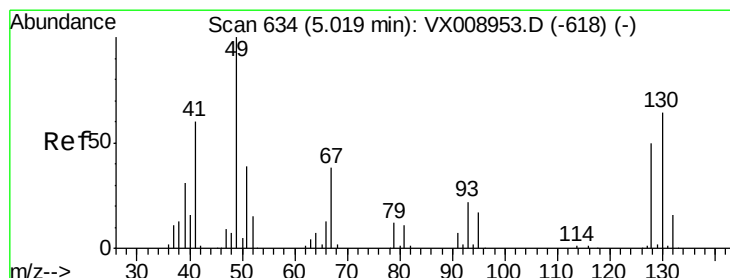
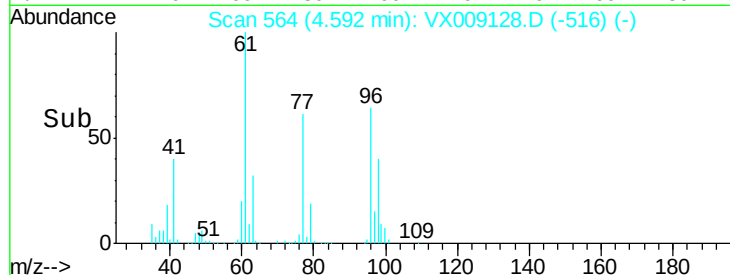
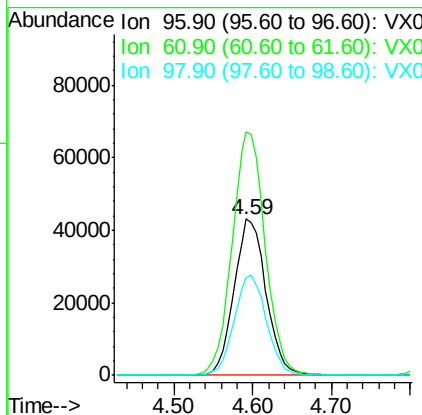
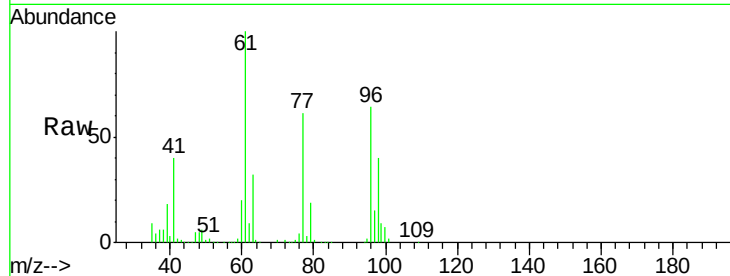
cis-1,2-Dichloroethene
Concen: 53.928 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX009128.D
Acq: 23 Apr 2019 18:00

Instrument :
MSVOA_X
ClientSampleId :
S37-0016MS

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	161.0	0.0	322.0	
98	64.5	0.0	128.4	

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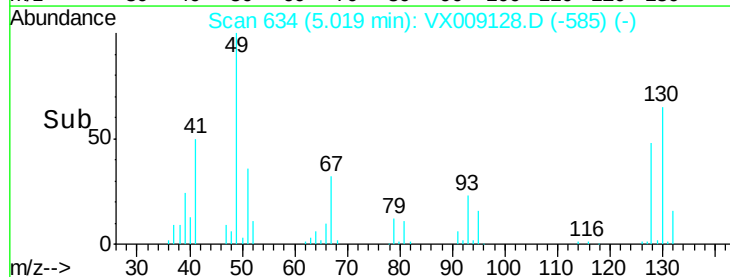
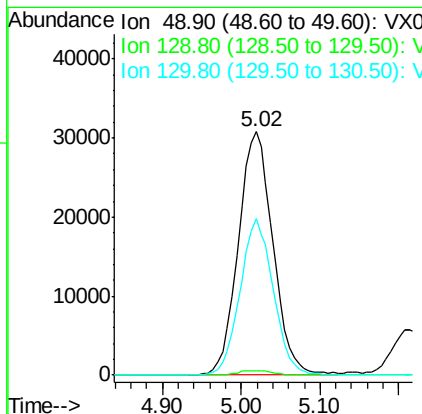
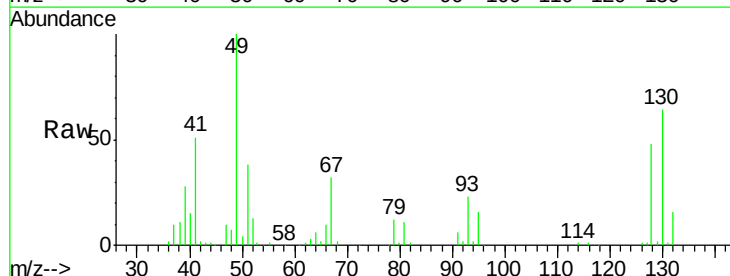
MMDadoda
4/24/2019 12:03:00 PM

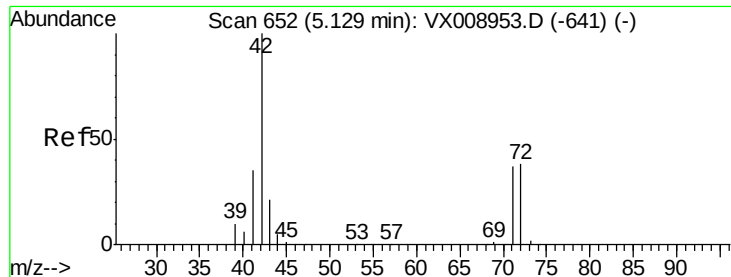


#28

Bromochloromethane
Concen: 57.337 ug/l
RT: 5.02 min Scan# 634
Delta R.T. -0.00 min
Lab File: VX009128.D
Acq: 23 Apr 2019 18:00

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.9	0.0	3.6	
130	61.4	50.4	75.6	





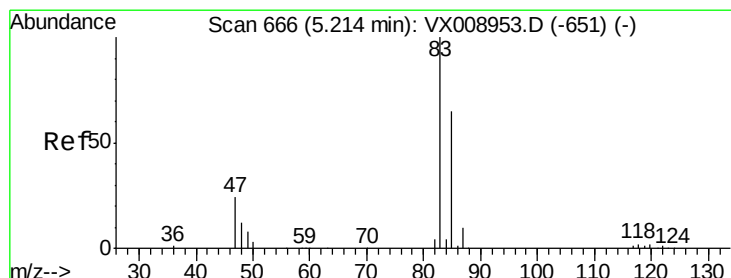
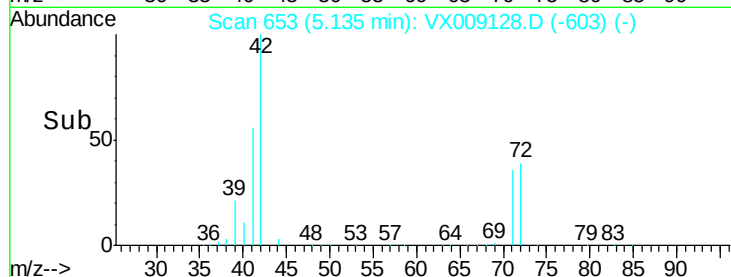
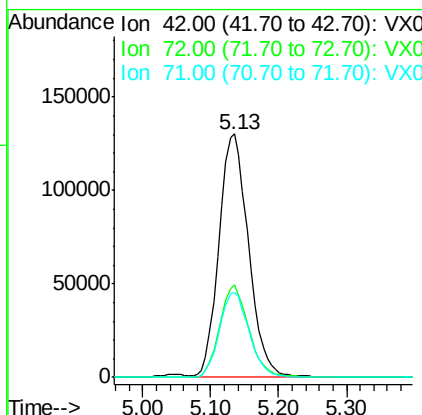
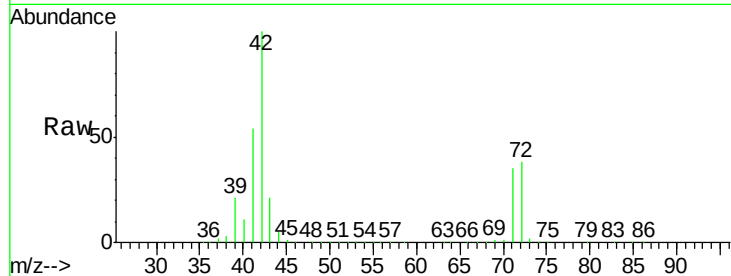
#29
Tetrahydrofuran
Concen: 287.517 ug/l
RT: 5.13 min Scan# 653
Delta R.T. 0.01 min
Lab File: VX009128.D
Acq: 23 Apr 2019 18:00

Instrument :
MSVOA_X
ClientSampleId :
S37-0016MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.7	30.6	45.8
71	35.3	28.8	43.2

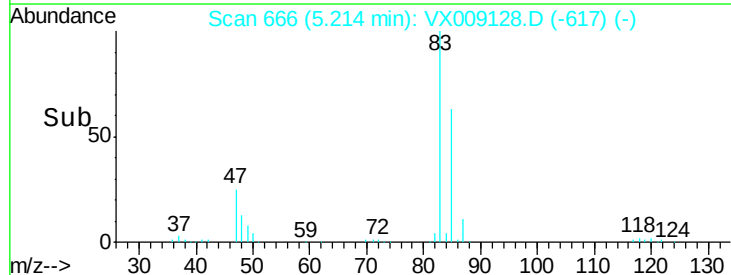
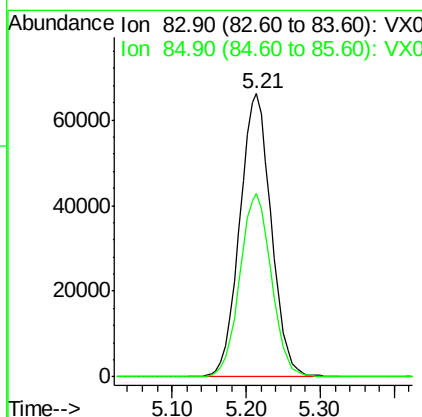
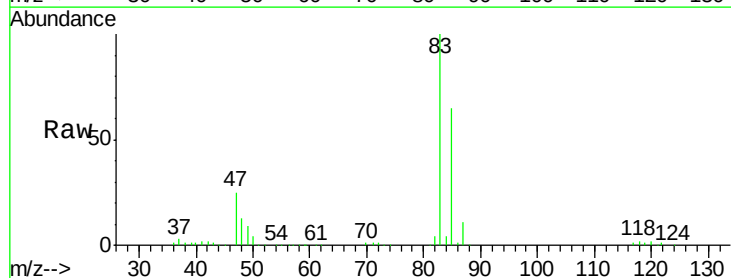
Manual Integrations
APPROVED

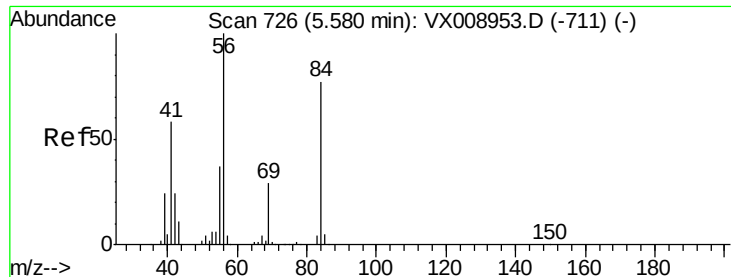
MMDadoda
4/24/2019 12:03:00 PM



#30
Chloroform
Concen: 55.227 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX009128.D
Acq: 23 Apr 2019 18:00

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.9	77.9





#31

Cyclohexane

Concen: 55.299 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX009128.D

Acq: 23 Apr 2019 18:00

Instrument :

MSVOA_X

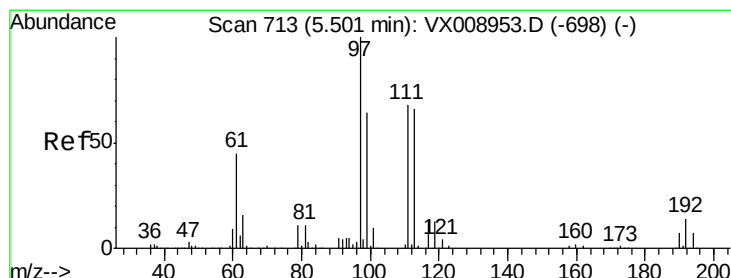
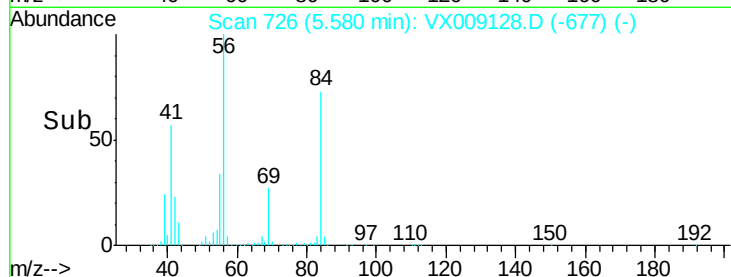
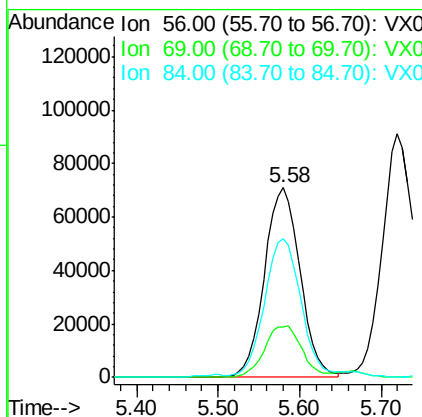
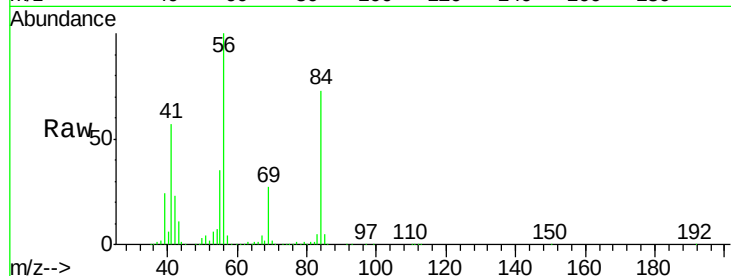
ClientSampleId :

S37-0016MS

Tot Ion:	56	Resp:	215765
Ion	Ratio	Lower	Upper
56	100		
69	26.9	23.3	34.9
84	72.8	61.7	92.5

Manual Integrations
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MMDadoda
4/24/2019 12:03:00 PM



#32

1,1,1-Trichloroethane

Concen: 54.957 ug/l

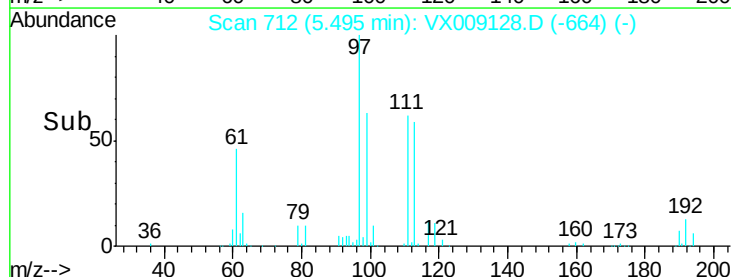
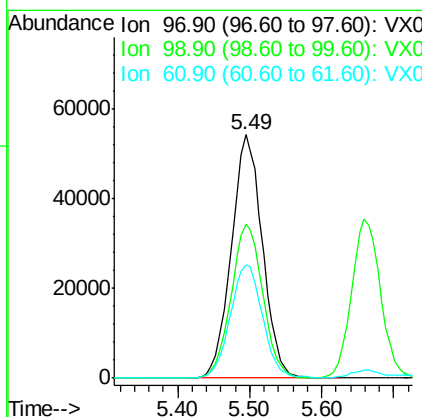
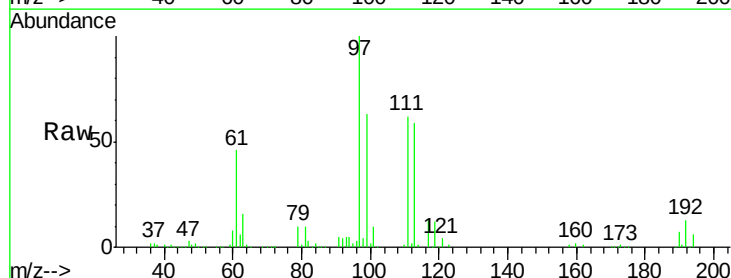
RT: 5.49 min Scan# 712

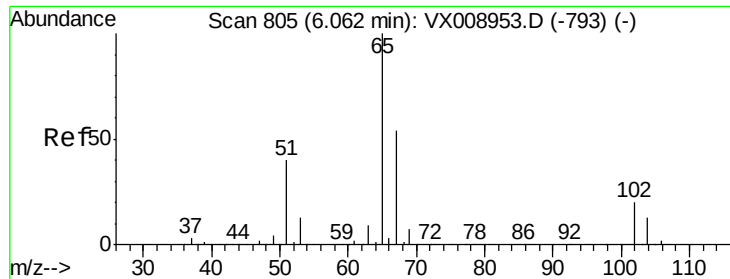
Delta R.T. -0.01 min

Lab File: VX009128.D

Acq: 23 Apr 2019 18:00

Tgt Ion:	97	Resp:	161694
Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.6	77.4
61	48.4	37.9	56.9





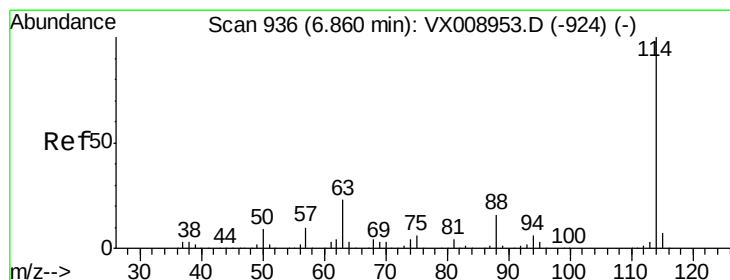
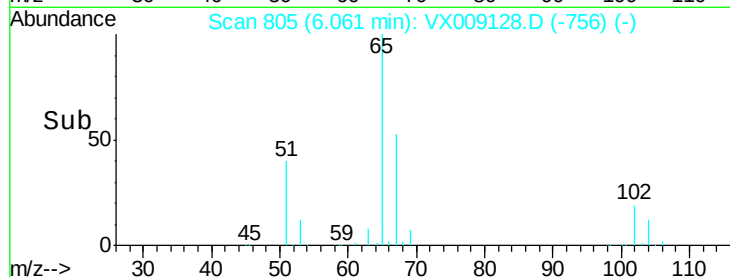
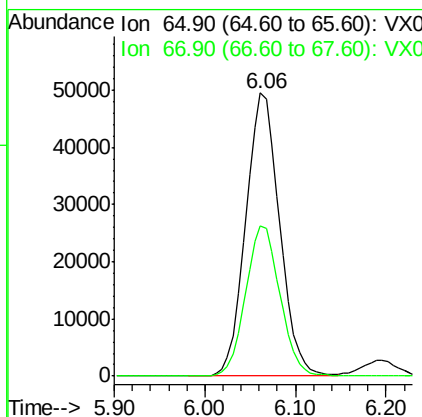
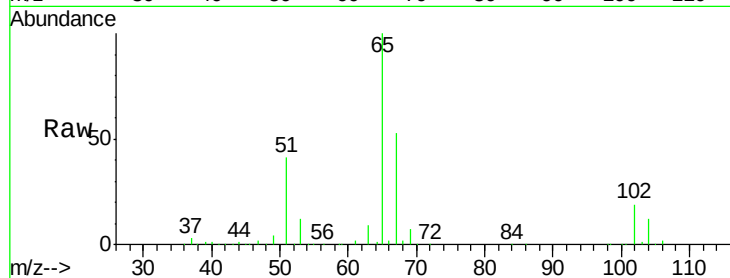
#33
 1,2-Dichloroethane-d4
 Concen: 52.338 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX009128.D
 Acq: 23 Apr 2019 18:00

Instrument :
 MSVOA_X
 ClientSampled :
 S37-0016MS

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.9	0.0	108.6

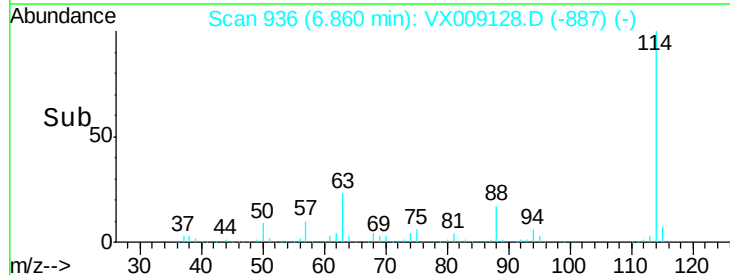
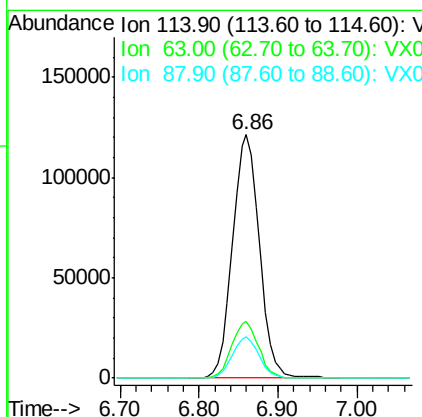
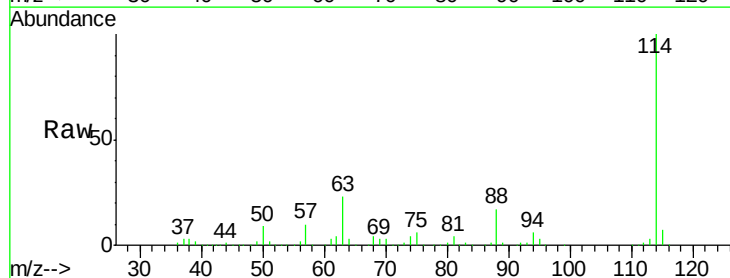
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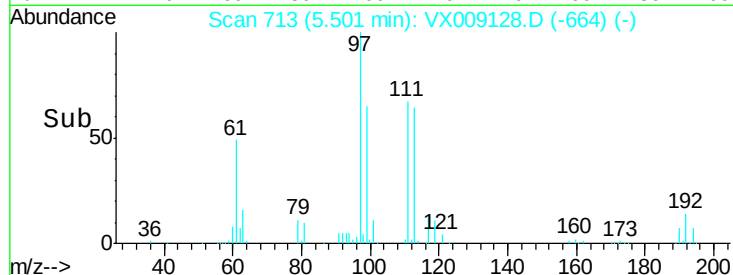
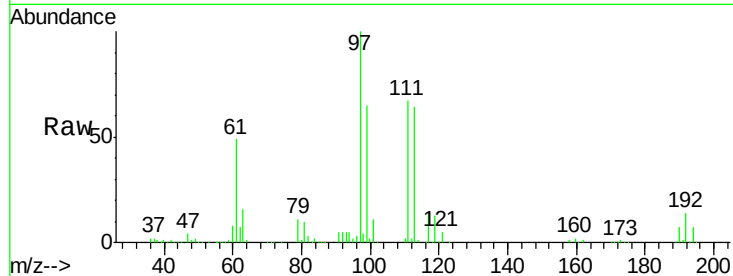
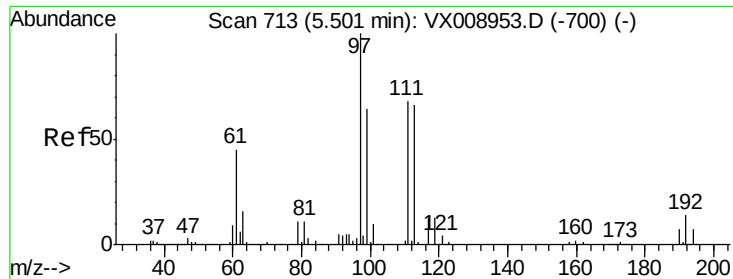
MMDadoda
 4/24/2019 12:03:00 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX009128.D
 Acq: 23 Apr 2019 18:00

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.1	0.0	46.0
88	17.1	0.0	32.6





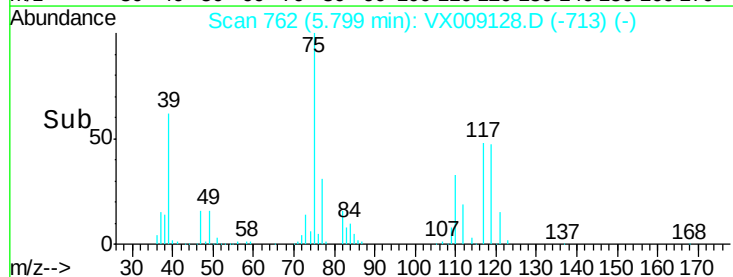
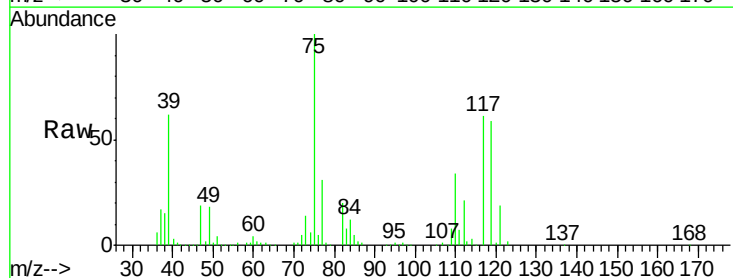
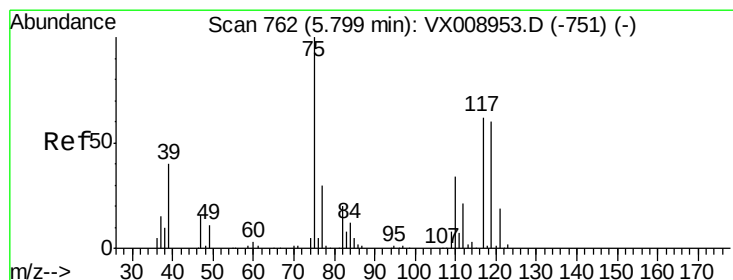
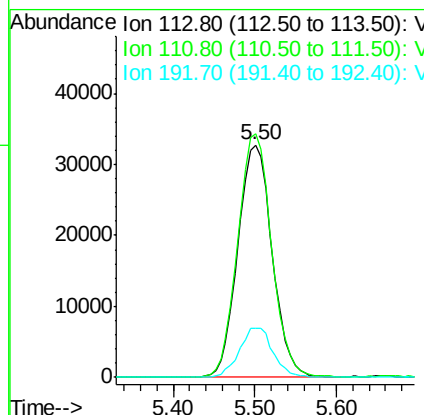
#35
Dibromofluoromethane
Concen: 51.869 ug/l
RT: 5.50 min Scan# 713
Delta R.T. -0.00 min
Lab File: VX009128.D
Acq: 23 Apr 2019 18:00

Tot Ion	Ratio	Resp	Lower	Upper
113	100	95686		
111	103.3	82.9	124.3	
192	20.9	17.4	26.0	

Instrument :
MSVOA_X
ClientSampleId :
S37-0016MS

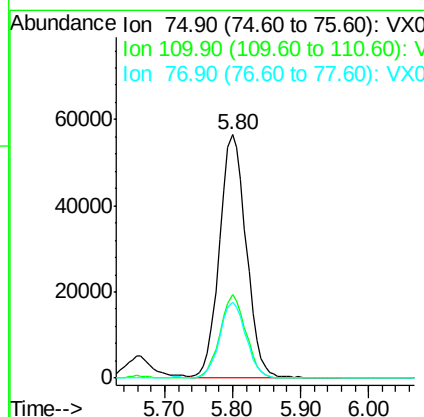
Manual Integrations
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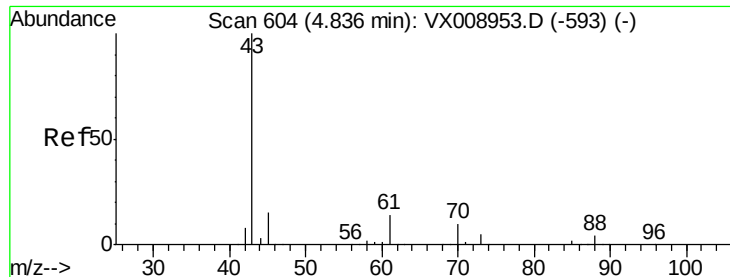
MMDadoda
4/24/2019 12:03:00 PM



#36
1,1-Dichloropropene
Concen: 51.716 ug/l
RT: 5.80 min Scan# 762
Delta R.T. -0.00 min
Lab File: VX009128.D
Acq: 23 Apr 2019 18:00

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	153744		
110	33.3	16.9	50.7	
77	31.0	25.0	37.4	





#37

Ethyl Acetate

Concen: 54.310 ug/l

RT: 4.84 min Scan# 604

Delta R.T. -0.00 min

Lab File: VX009128.D

Acq: 23 Apr 2019 18:00

Instrument :

MSVOA_X

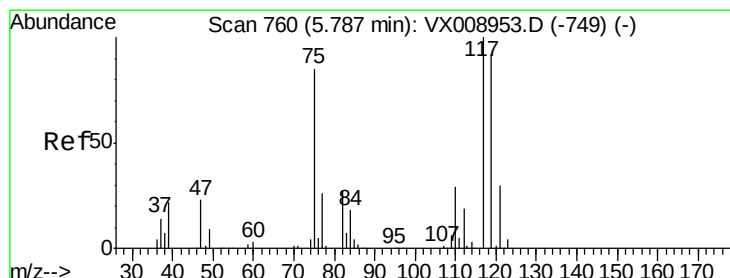
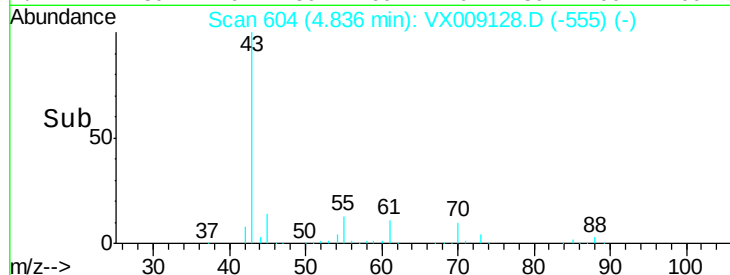
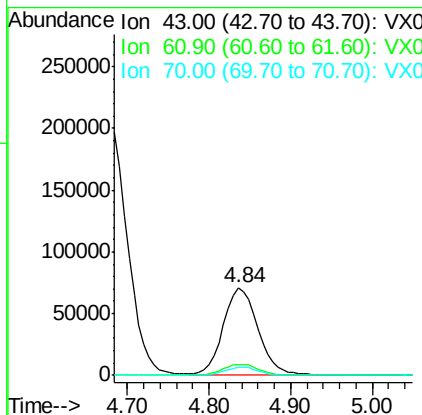
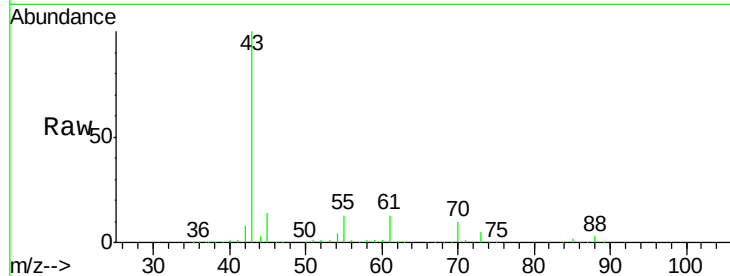
ClientSampled :

S37-0016MS

Tot Ion:	43	Resp:	207756
Ion	Ratio	Lower	Upper
43	100		
61	12.7	10.6	15.8
70	9.5	7.7	11.5

Manual Integrations
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4/24/2019 12:03:00 PM



#38

Carbon Tetrachloride

Concen: 53.297 ug/l

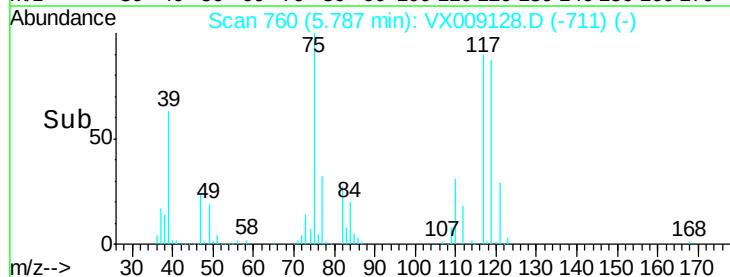
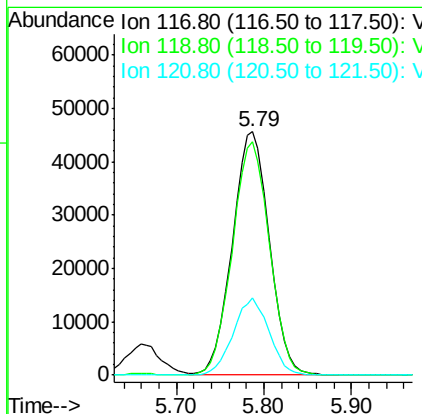
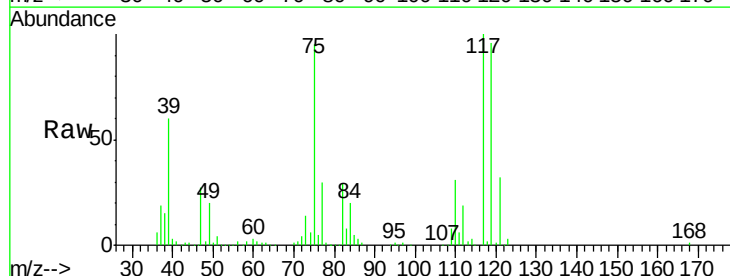
RT: 5.79 min Scan# 760

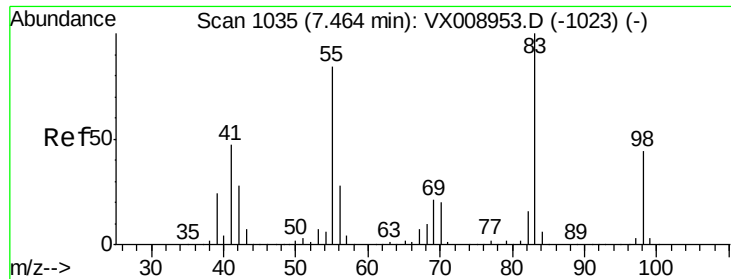
Delta R.T. -0.00 min

Lab File: VX009128.D

Acq: 23 Apr 2019 18:00

Tgt Ion:	117	Resp:	134322
Ion	Ratio	Lower	Upper
117	100		
119	96.0	73.8	110.8
121	31.8	23.6	35.4





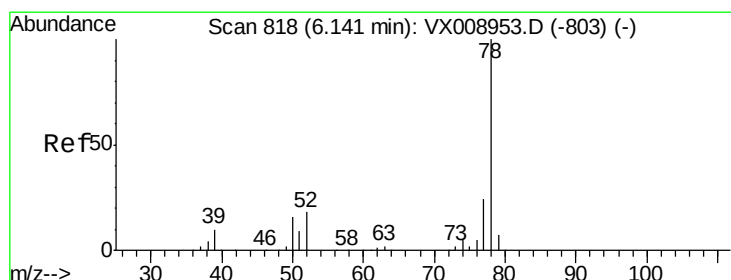
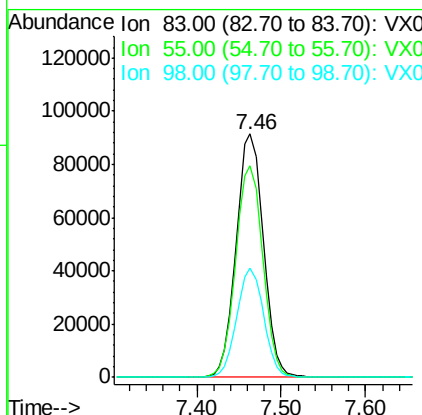
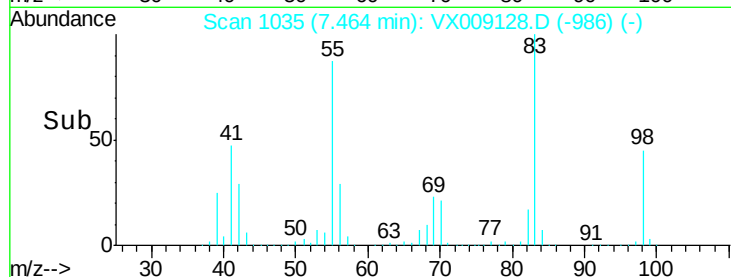
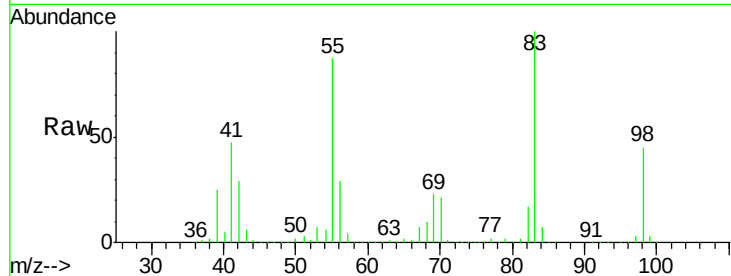
#39
Methylvlcyclohexane
Concen: 54.992 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX009128.D
Acq: 23 Apr 2019 18:00

Instrument :
MSVOA_X
ClientSampleId :
S37-0016MS

Tot Ion	Ratio	Resp	Lower	Upper
83	100	199045		
55	87.1	67.1	100.7	
98	44.6	35.1	52.7	

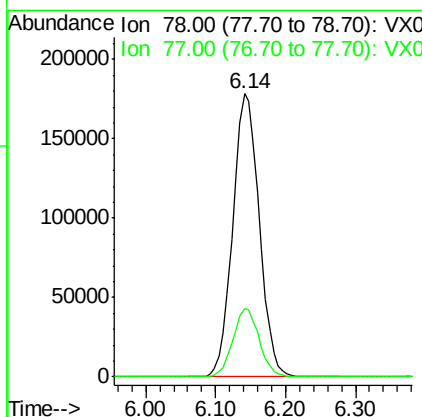
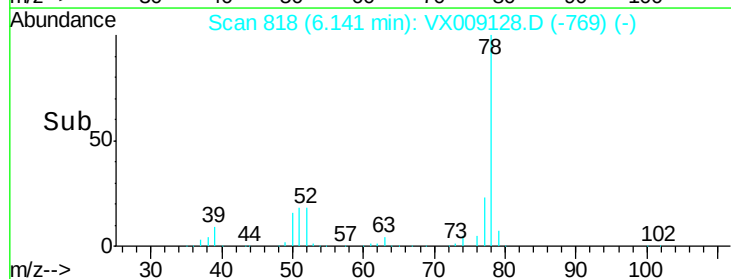
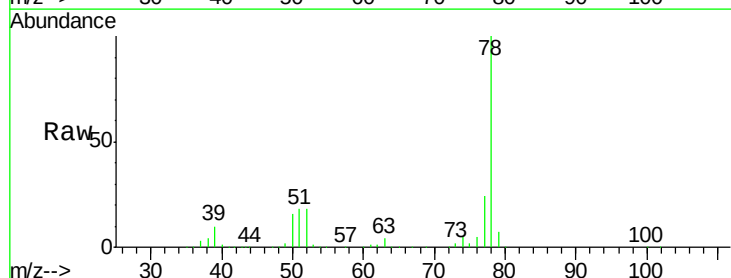
Manual Integrations
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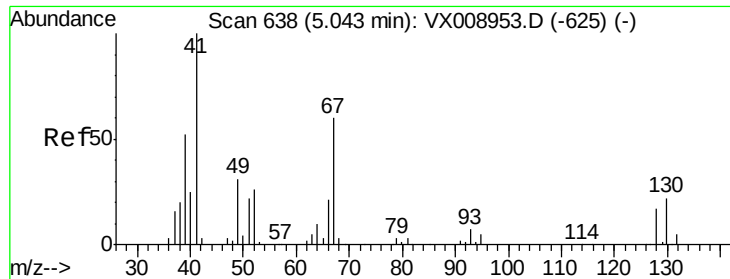
MMDadoda
4/24/2019 12:03:00 PM



#40
Benzene
Concen: 53.460 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX009128.D
Acq: 23 Apr 2019 18:00

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	468850		
77	24.1	19.0	28.6	





#41

Methacrylonitrile

Concen: 55.893 ug/l

RT: 5.04 min Scan# 638

Delta R.T. -0.00 min

Lab File: VX009128.D

Acq: 23 Apr 2019 18:00

Instrument :

MSVOA_X

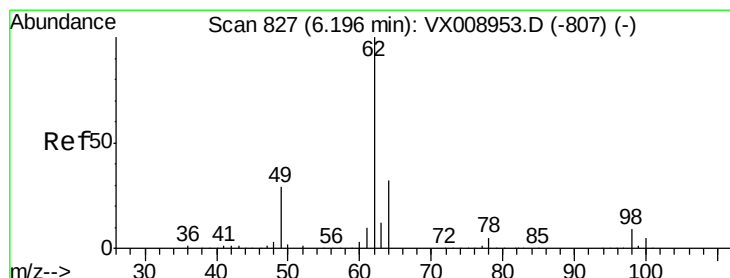
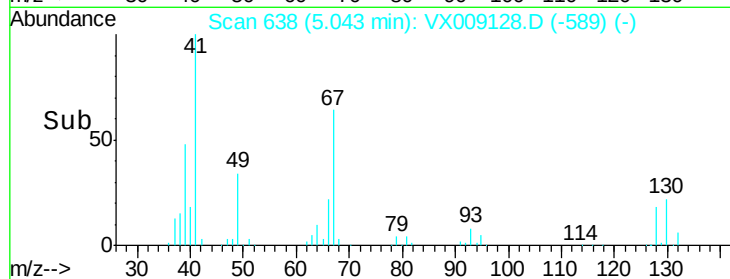
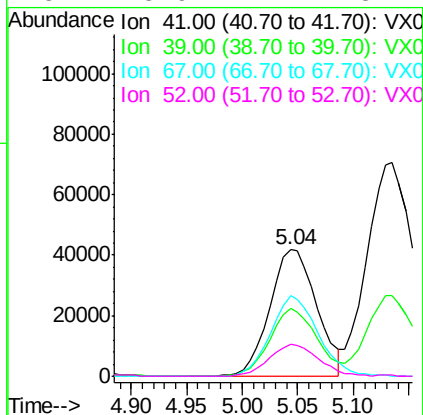
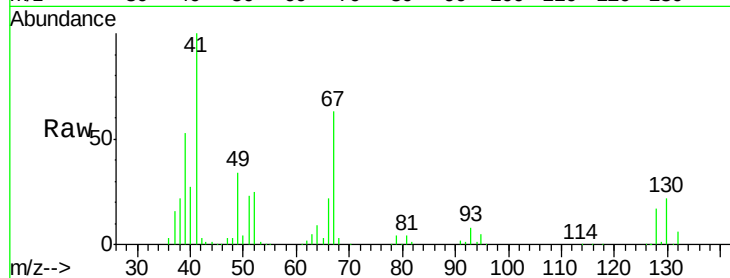
ClientSampleId :

S37-0016MS

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.1	41.8	62.6	
67	64.0	50.2	75.4	
52	25.9	21.1	31.7	

Manual Integrations
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4/24/2019 12:03:00 PM



#42

1,2-Dichloroethane

Concen: 53.945 ug/l

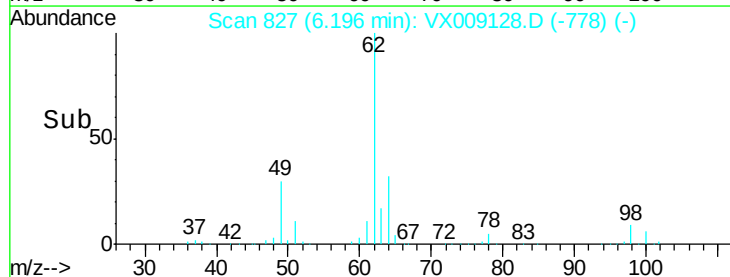
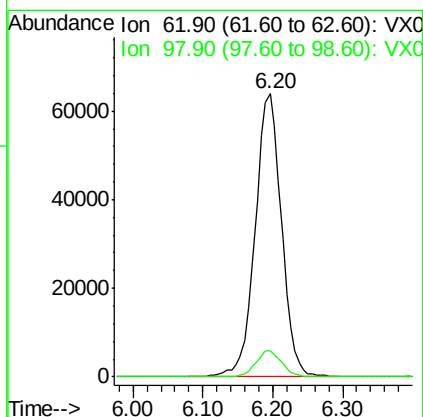
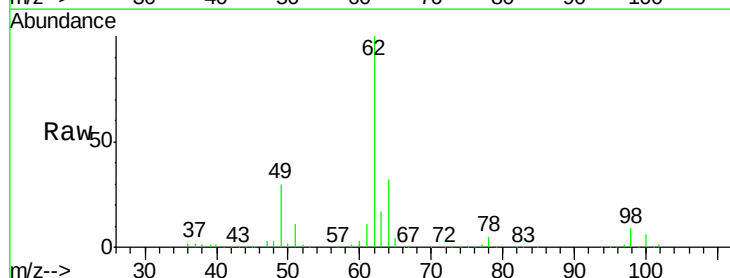
RT: 6.20 min Scan# 827

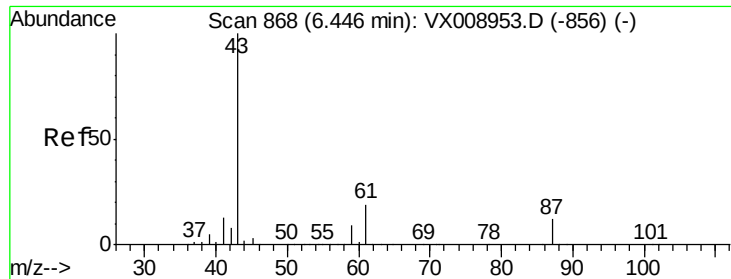
Delta R.T. -0.00 min

Lab File: VX009128.D

Acq: 23 Apr 2019 18:00

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.9	0.0	18.4	





#43

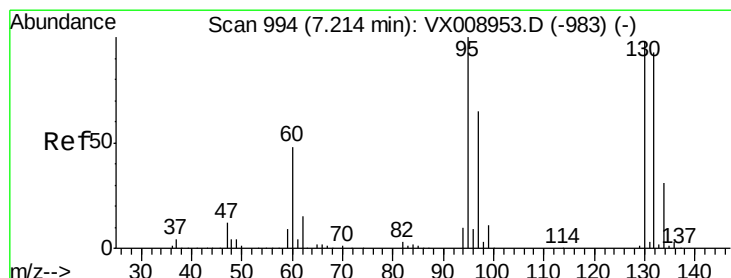
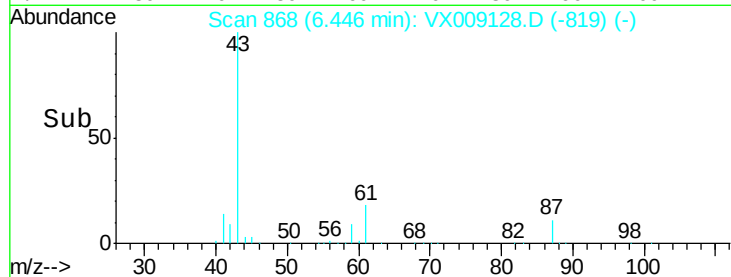
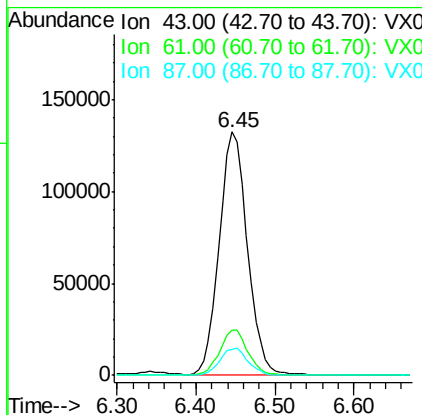
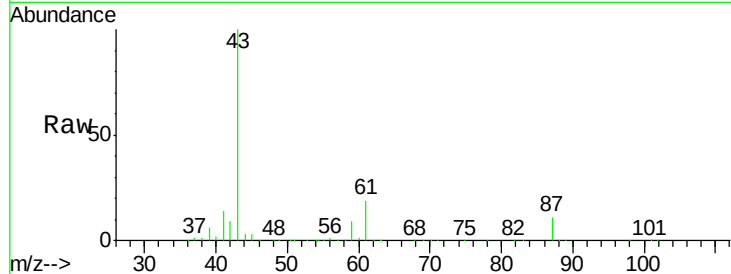
Isopropyl Acetate
 Concen: 53.083 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. -0.00 min
 Lab File: VX009128.D
 Acq: 23 Apr 2019 18:00

Instrument :
 MSVOA_X
 ClientSampleId :
 S37-0016MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.9	15.4	23.0
87	11.2	9.0	13.4

Manual Integrations
 APPROVED

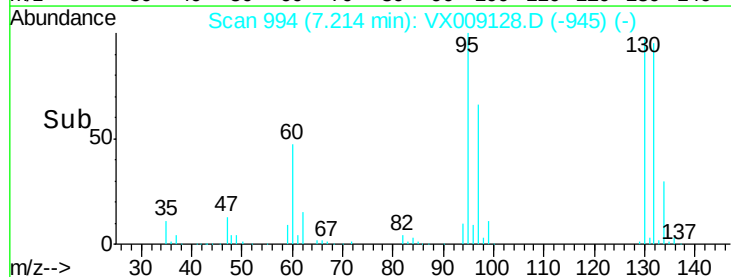
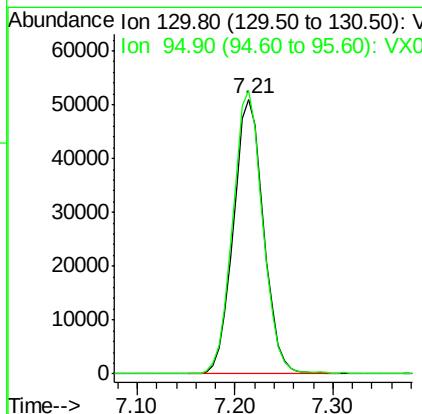
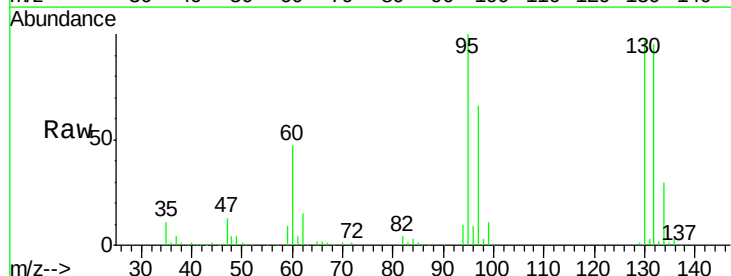
MMDadoda
 4/24/2019 12:03:00 PM

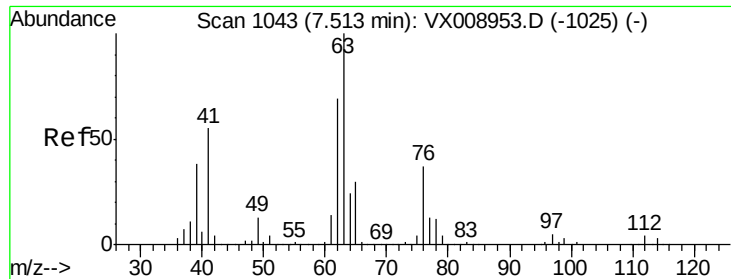


#44

Trichloroethene
 Concen: 50.734 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX009128.D
 Acq: 23 Apr 2019 18:00

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.9	0.0	203.2





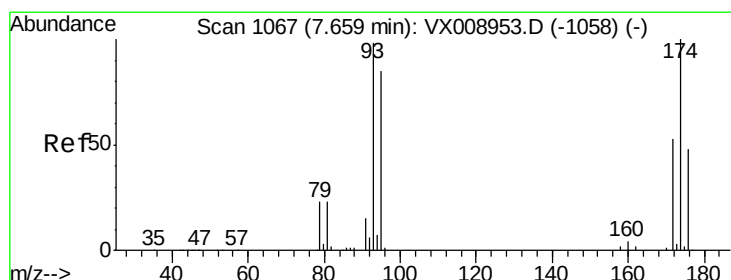
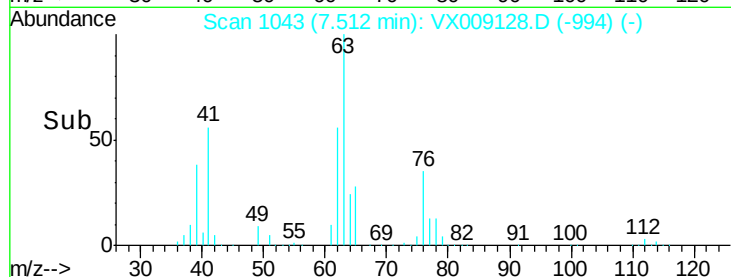
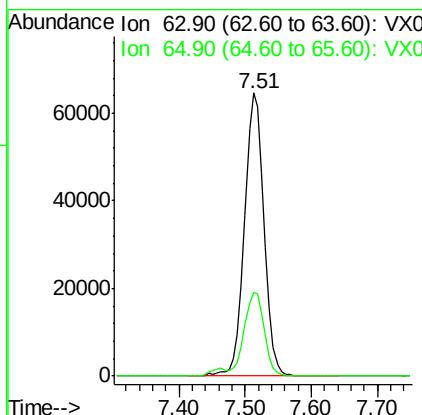
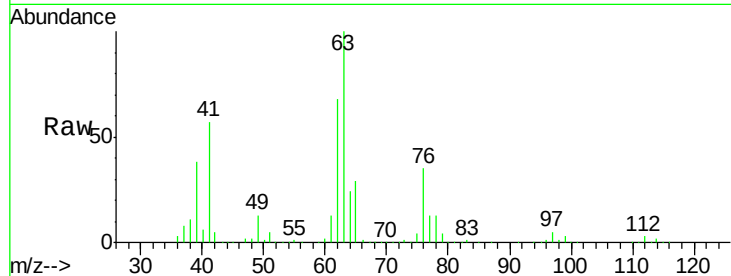
#45
 1,2-Dichloropropane
 Concen: 54.643 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX009128.D
 Acq: 23 Apr 2019 18:00

Instrument :
 MSVOA_X
 ClientSampleId :
 S37-0016MS

Tot Ion: 63 Resp: 132950
 Ion Ratio Lower Upper
 63 100
 65 29.4 24.1 36.1

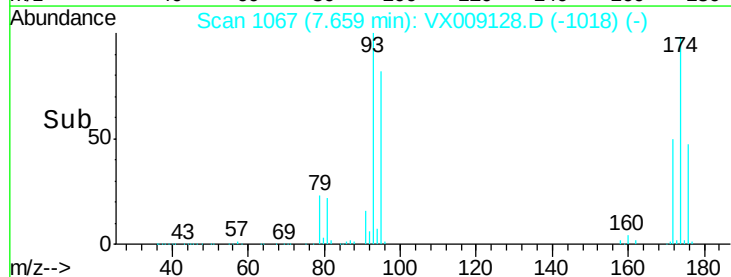
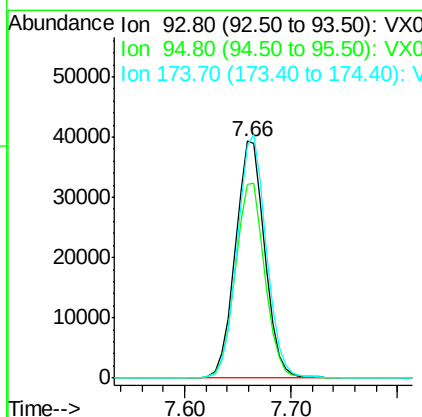
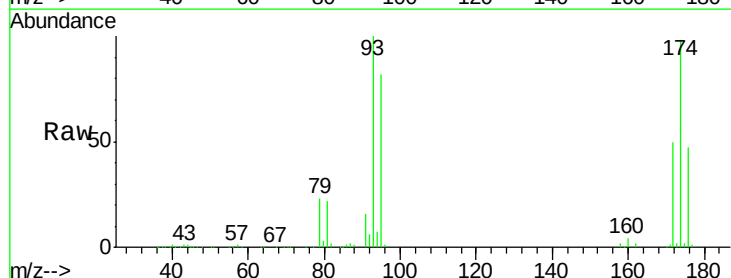
Manual Integrations
 APPROVED

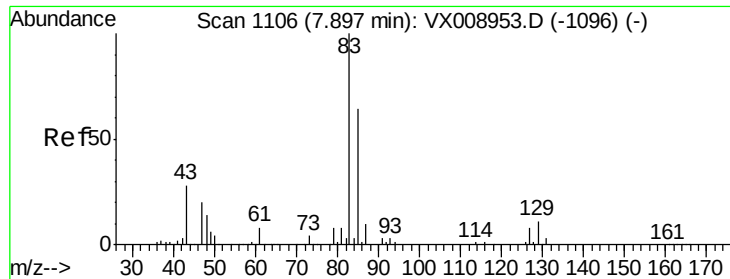
MMDadoda
 4/24/2019 12:03:00 PM



#46
 Dibromomethane
 Concen: 53.928 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX009128.D
 Acq: 23 Apr 2019 18:00

Tgt Ion: 93 Resp: 76361
 Ion Ratio Lower Upper
 93 100
 95 82.9 67.0 100.4
 174 101.2 81.6 122.4





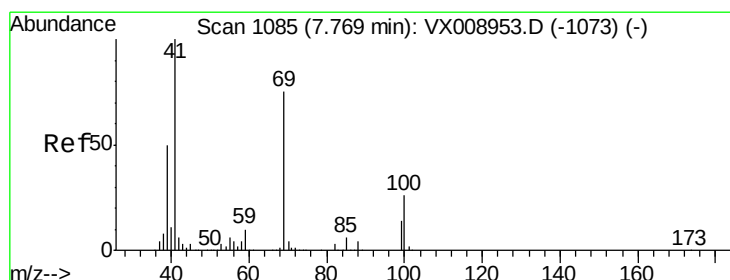
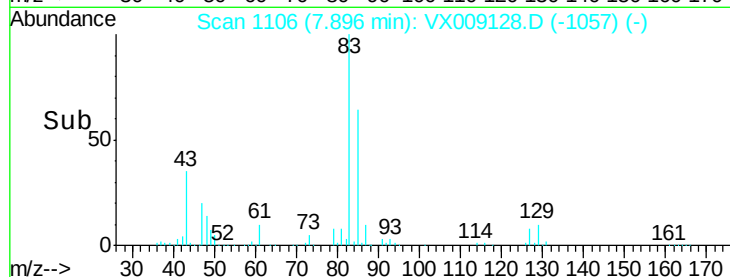
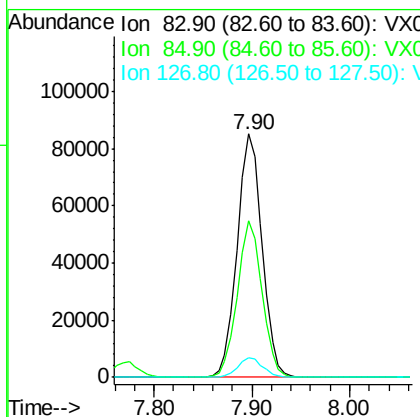
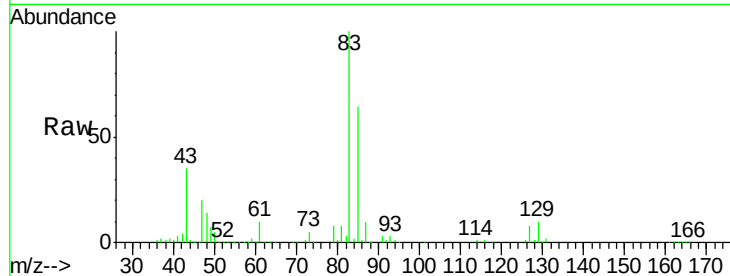
#47
 Bromodichloromethane
 Concen: 54.329 ug/l
 RT: 7.90 min Scan# 1106
 Delta R.T. -0.00 min
 Lab File: VX009128.D
 Acq: 23 Apr 2019 18:00

Instrument :
 MSVOA_X
 ClientSampled :
 S37-0016MS

Tot Ion	83	Resp	150885
Ion Ratio	Lower	Upper	
83	100		
85	64.1	50.8	76.2
127	8.1	6.4	9.6

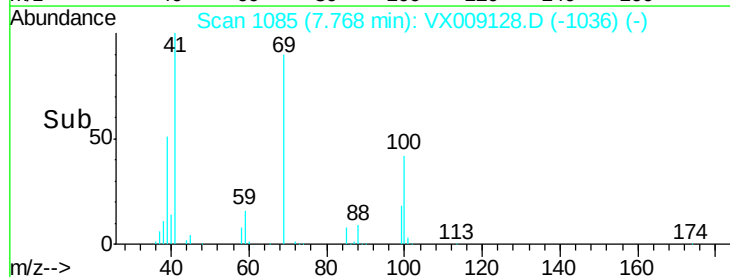
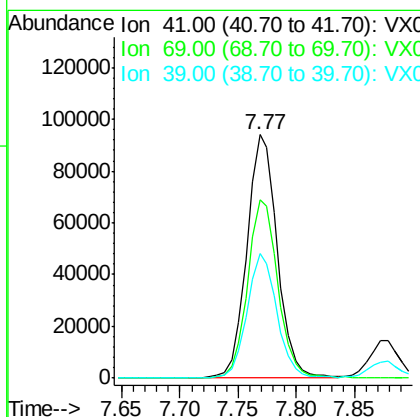
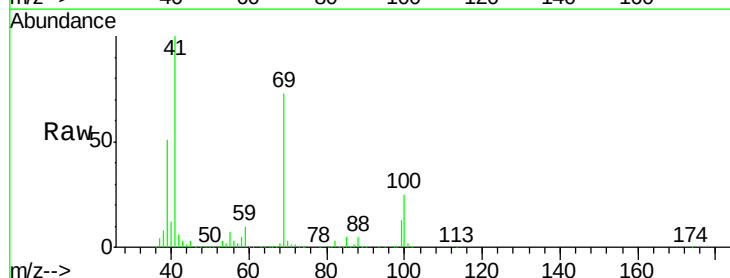
Manual Integrations
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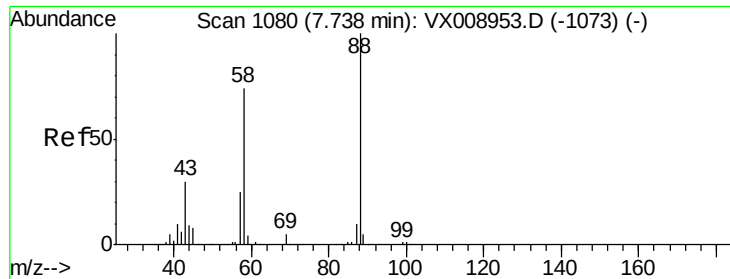
MMDadoda
 4/24/2019 12:03:00 PM



#48
 Methyl methacrylate
 Concen: 55.921 ug/l
 RT: 7.77 min Scan# 1085
 Delta R.T. -0.00 min
 Lab File: VX009128.D
 Acq: 23 Apr 2019 18:00

Tgt Ion	41	Resp	170335
Ion Ratio	Lower	Upper	
41	100		
69	74.3	59.4	89.2
39	50.1	39.8	59.6





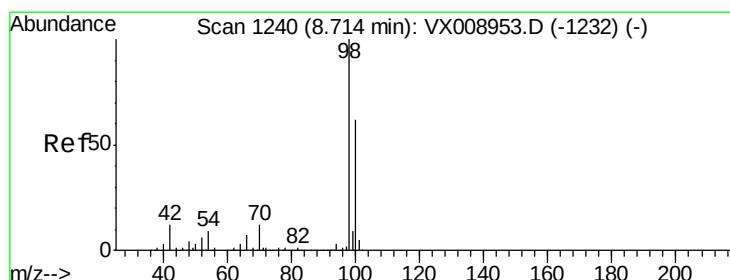
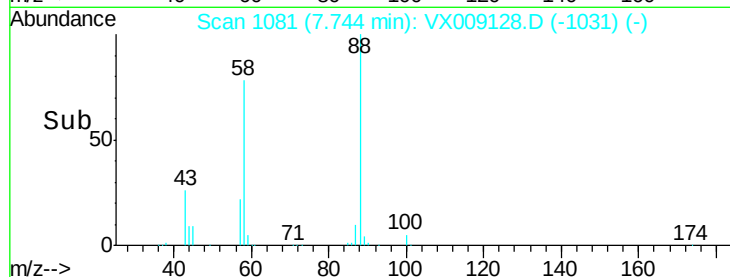
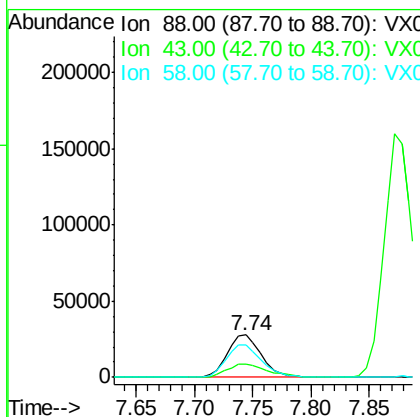
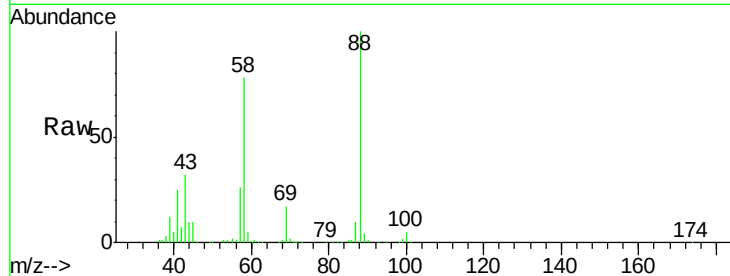
#49
1,4-Dioxane
Concen: 997.662 ug/l
RT: 7.74 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VX009128.D
Acq: 23 Apr 2019 18:00

Instrument :
MSVOA_X
ClientSampleId :
S37-0016MS

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.6	29.3	43.9
58	79.0	62.6	93.8

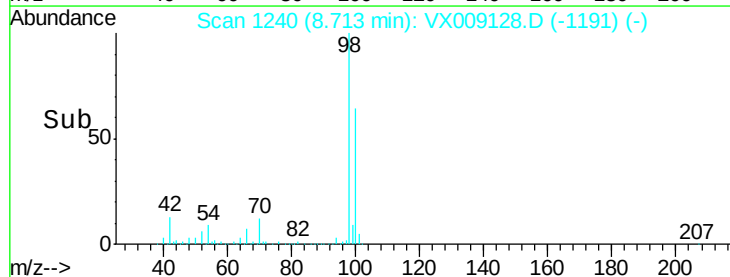
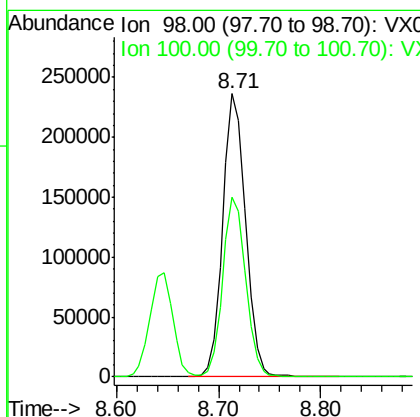
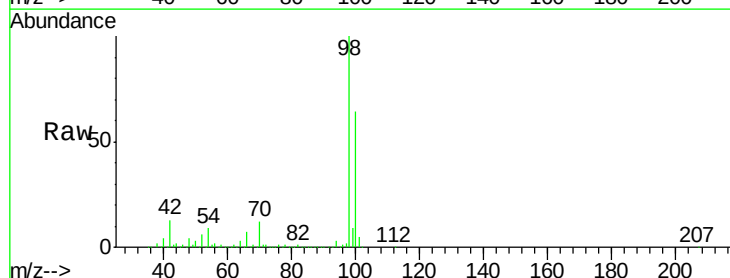
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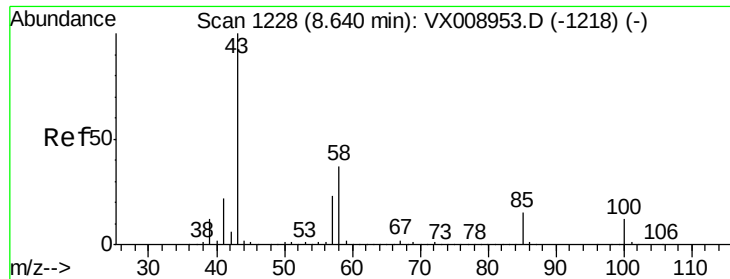
MMDadoda
4/24/2019 12:03:00 PM



#50
Toluene-d8
Concen: 50.116 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009128.D
Acq: 23 Apr 2019 18:00

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.4	77.2





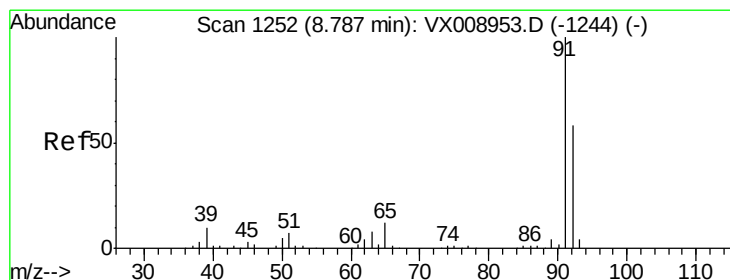
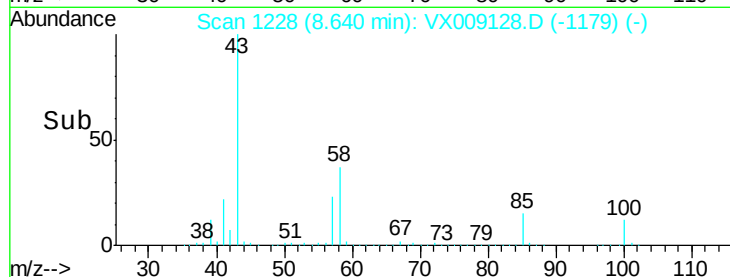
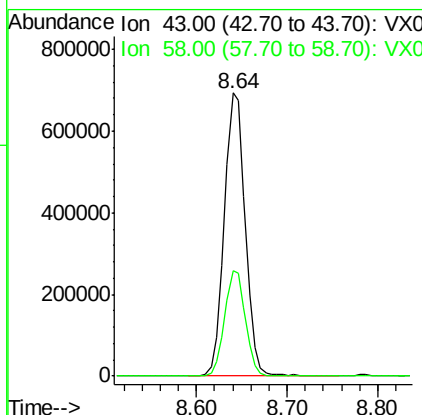
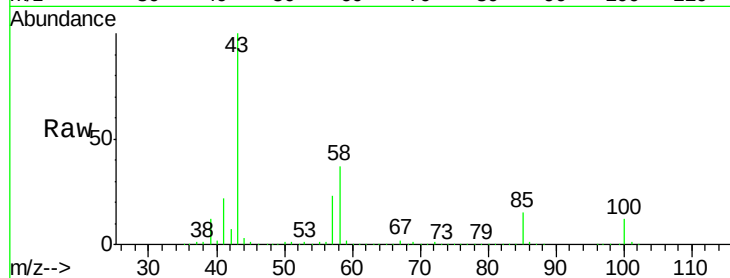
#51
4-Methyl-2-Pentanone
Concen: 283.342 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. -0.00 min
Lab File: VX009128.D
Acq: 23 Apr 2019 18:00

Instrument :
MSVOA_X
ClientSampleId :
S37-0016MS

Tot Ion: 43 Resp: 1112770
Ion Ratio Lower Upper
43 100
58 36.8 29.8 44.6

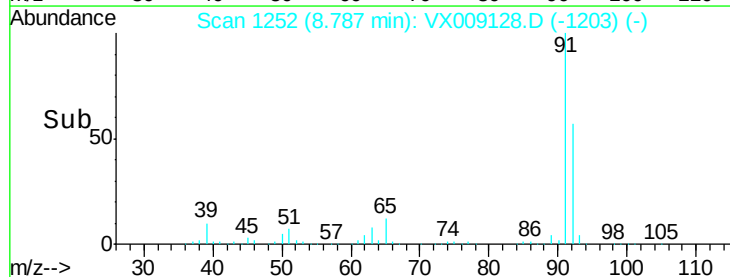
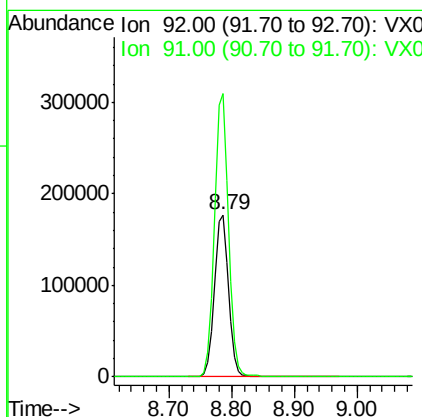
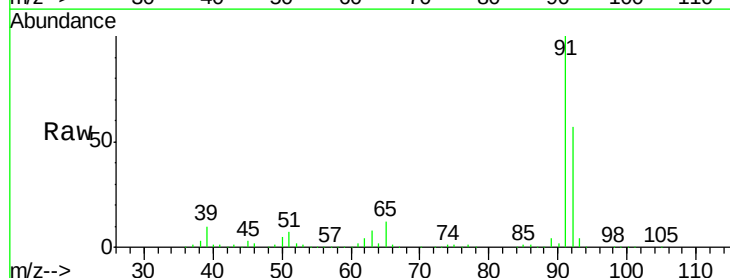
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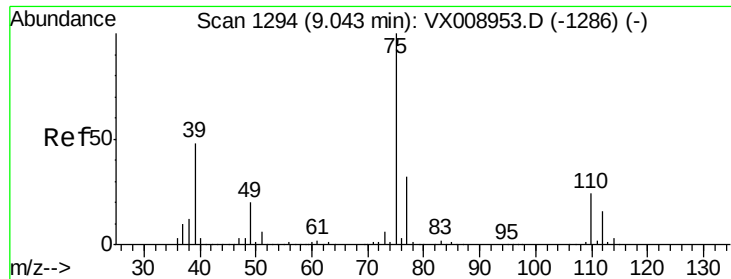
MMDadoda
4/24/2019 12:03:00 PM



#52
Toluene
Concen: 52.545 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VX009128.D
Acq: 23 Apr 2019 18:00

Tgt Ion: 92 Resp: 276178
Ion Ratio Lower Upper
92 100
91 173.4 138.5 207.7





#53

t-1,3-Dichloropropene

Concen: 54.088 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX009128.D

Acq: 23 Apr 2019 18:00

Tot Ion: 75 Resp: 172875

Ion Ratio Lower Upper

75 100

77 31.8 25.4 38.2

Instrument :

MSVOA_X

ClientSampled :

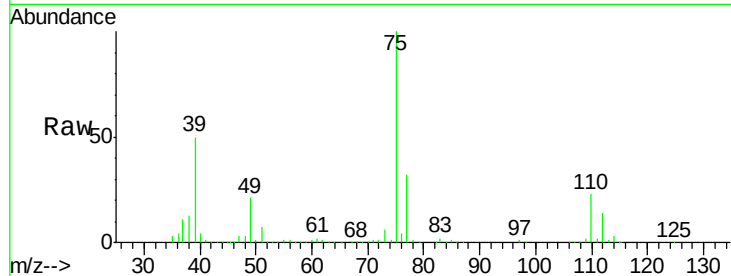
S37-0016MS

Manual Integrations

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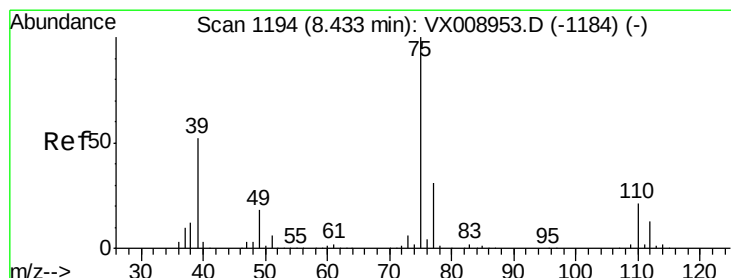
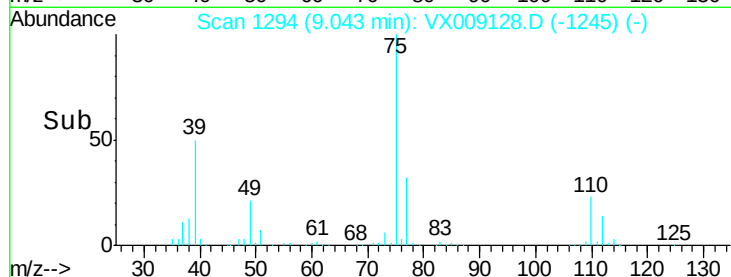
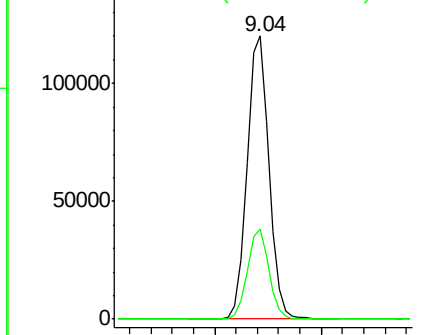
MMDadoda

4/24/2019 12:03:00 PM



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 53.344 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX009128.D

Acq: 23 Apr 2019 18:00

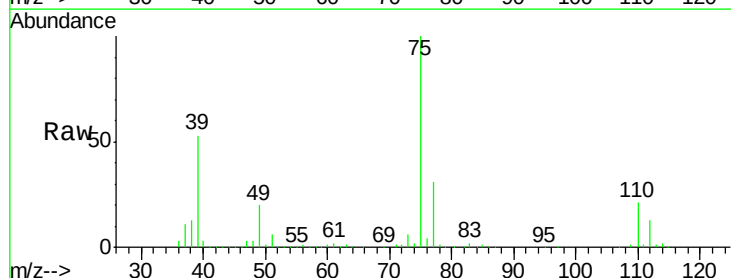
Tgt Ion: 75 Resp: 190911

Ion Ratio Lower Upper

75 100

77 31.2 24.8 37.2

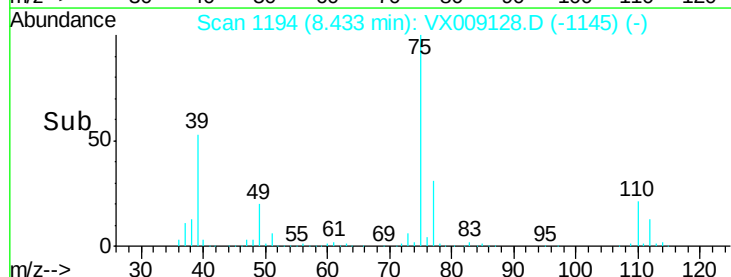
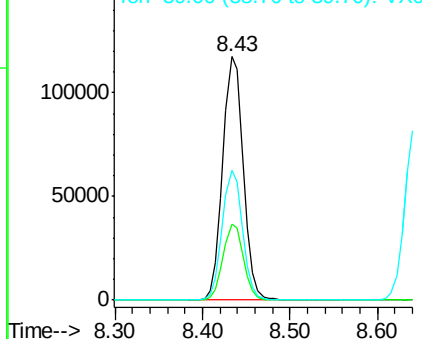
39 53.0 41.8 62.6

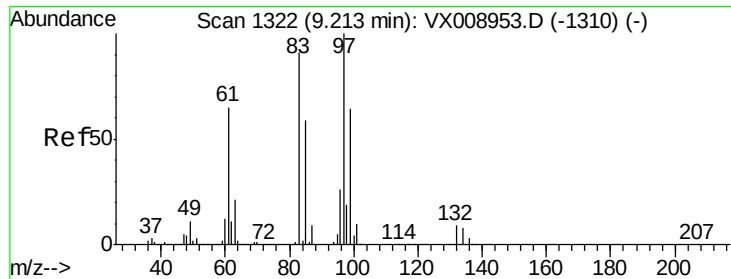


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0





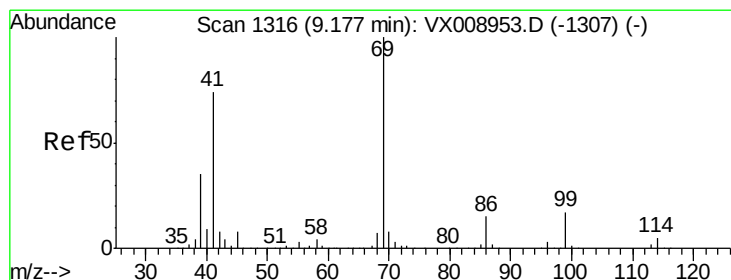
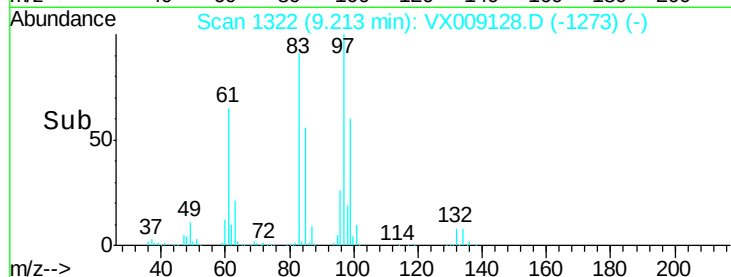
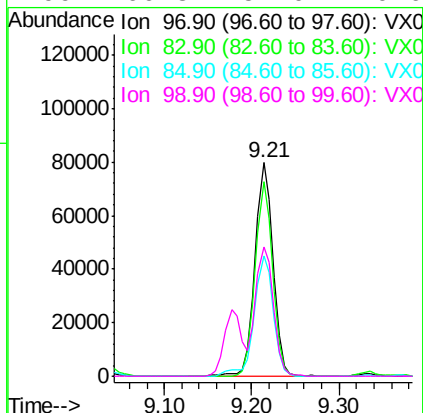
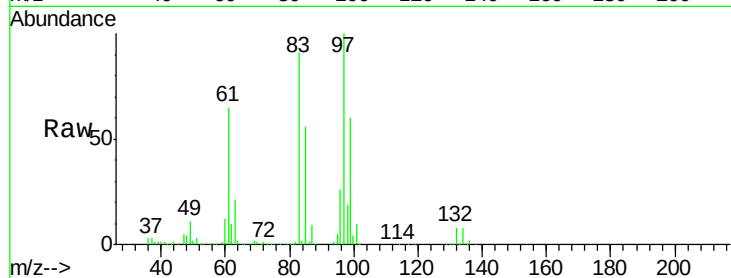
#55
 1,1,2-Trichloroethane
 Concen: 54.451 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX009128.D
 Acq: 23 Apr 2019 18:00

Instrument :
 MSVOA_X
 ClientSampleId :
 S37-0016MS

Tot Ion:	97	Resp:	113428
Ion	Ratio	Lower	Upper
97	100		
83	90.8	72.6	108.8
85	56.3	46.9	70.3
99	60.3	51.0	76.6

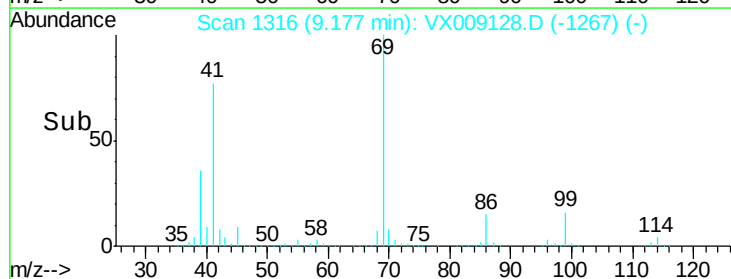
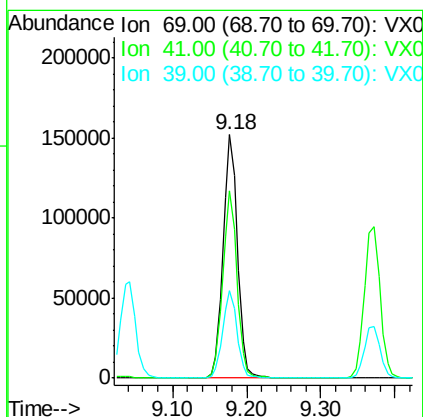
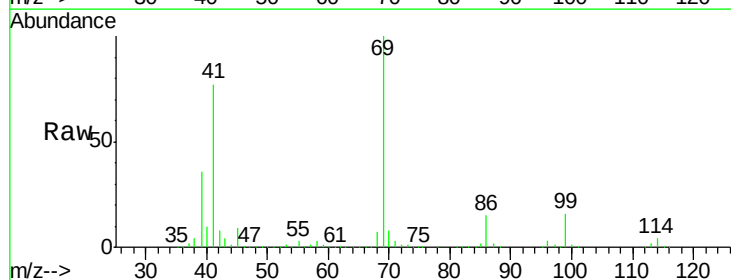
Manual Integrations
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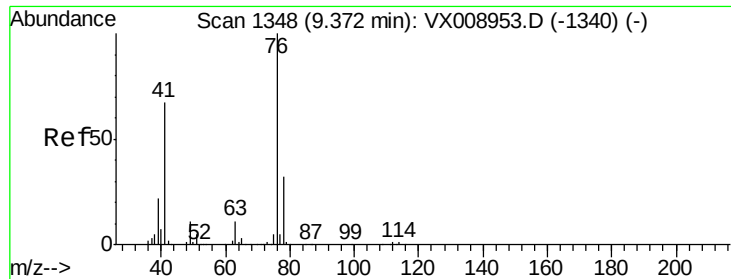
MMDadoda
 4/24/2019 12:03:00 PM



#56
 Ethyl methacrylate
 Concen: 55.269 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX009128.D
 Acq: 23 Apr 2019 18:00

Tgt Ion:	69	Resp:	206444
Ion	Ratio	Lower	Upper
69	100		
41	75.4	60.2	90.2
39	35.2	27.9	41.9





#57

1,3-Dichloropropane

Concen: 54.560 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX009128.D

Acq: 23 Apr 2019 18:00

Instrument :

MSVOA_X

ClientSampleId :

S37-0016MS

Tot Ion: 76 Resp: 202362

Ion Ratio Lower Upper

76 100

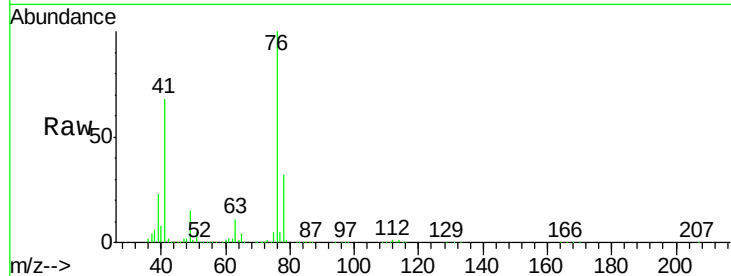
78 32.0 25.7 38.5

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

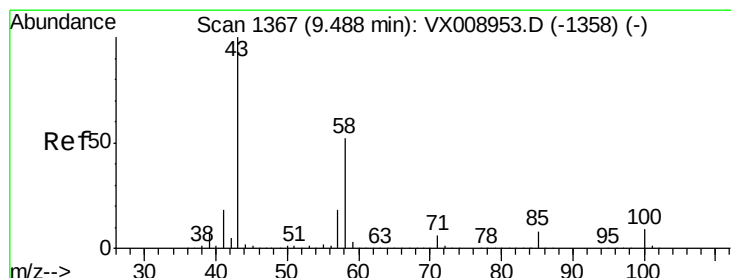
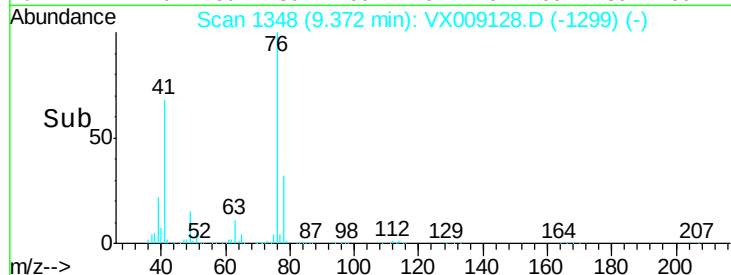
150000

100000

50000

0

Time-->



#59

2-Hexanone

Concen: 282.309 ug/l

RT: 9.49 min Scan# 1368

Delta R.T. 0.01 min

Lab File: VX009128.D

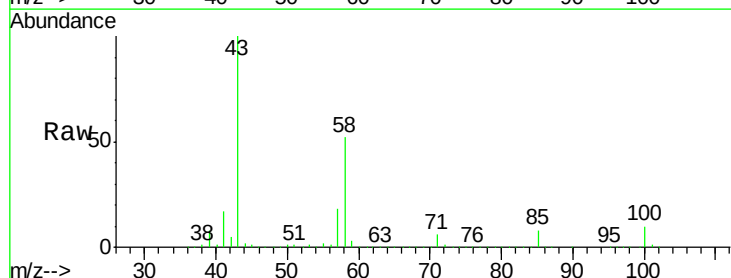
Acq: 23 Apr 2019 18:00

Tgt Ion: 43 Resp: 854794

Ion Ratio Lower Upper

43 100

58 51.8 25.9 77.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

9.49

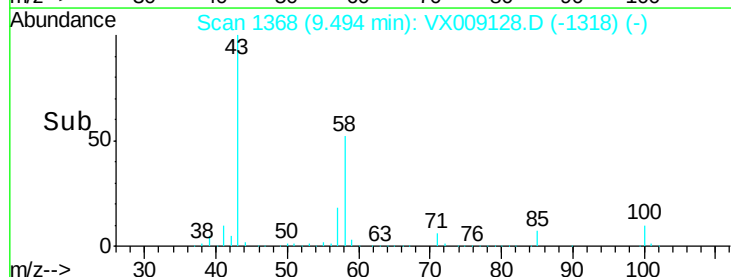
600000

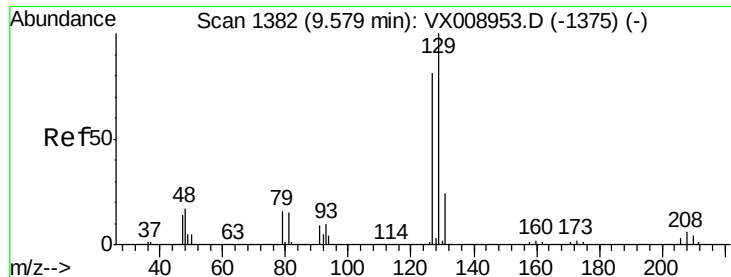
400000

200000

0

Time-->





#60

Dibromochloromethane

Concen: 55.755 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VX009128.D

Acq: 23 Apr 2019 18:00

Instrument :

MSVOA_X

ClientSampleId :

S37-0016MS

Tot Ion:129 Resp: 111314

Ion Ratio Lower Upper

129 100

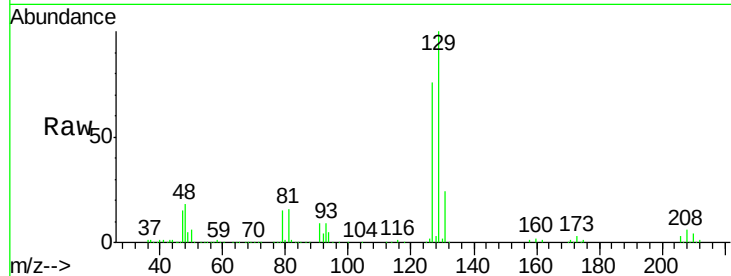
127 77.0 39.1 117.2

Manual Integrations

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MMDadoda

4/24/2019 12:03:00 PM



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.58

80000

60000

40000

20000

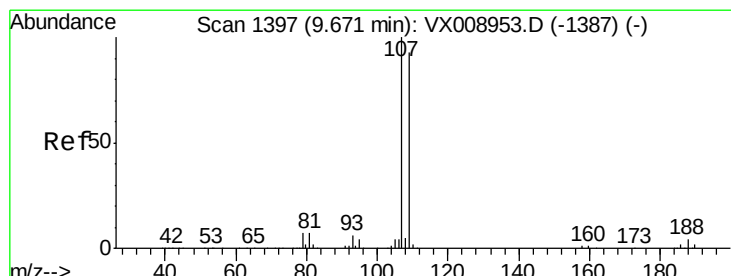
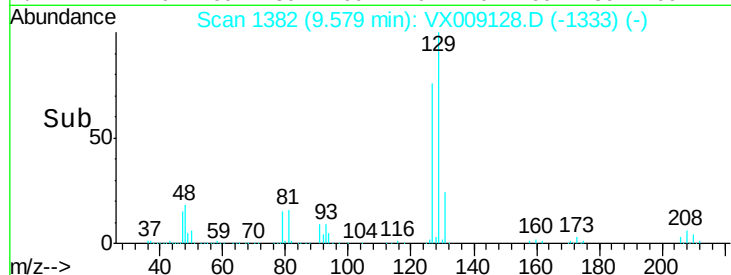
0

Time-->

9.50

9.60

9.70



#61

1,2-Dibromoethane

Concen: 54.052 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX009128.D

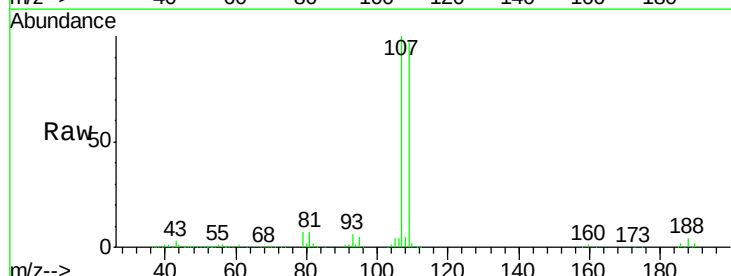
Acq: 23 Apr 2019 18:00

Tgt Ion:107 Resp: 116211

Ion Ratio Lower Upper

107 100

109 94.5 74.4 111.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

100000

80000

60000

40000

20000

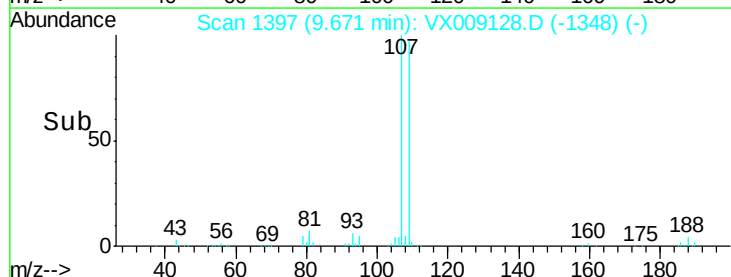
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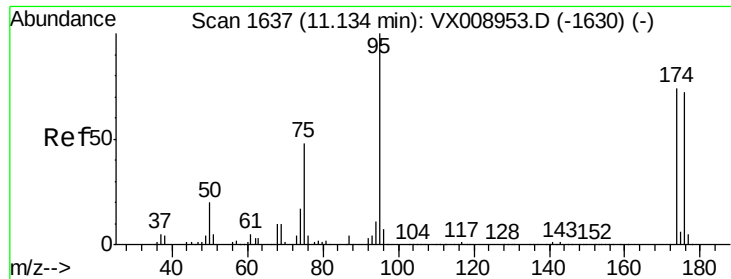
Time-->

9.60

9.70

9.80





#62

4-Bromofluorobenzene

Concen: 50.610 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009128.D

Acq: 23 Apr 2019 18:00

Instrument :

MSVOA_X

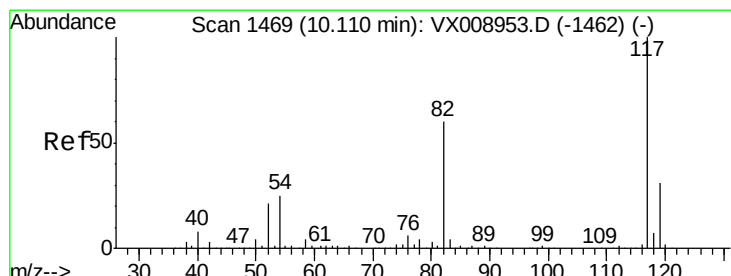
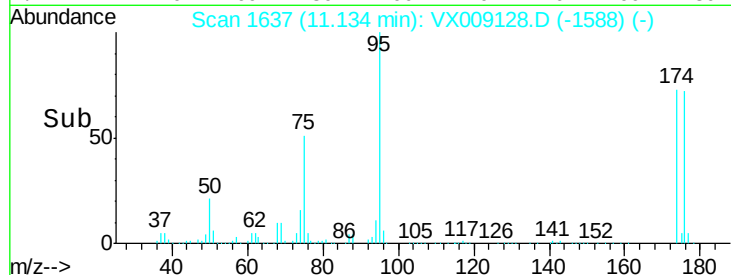
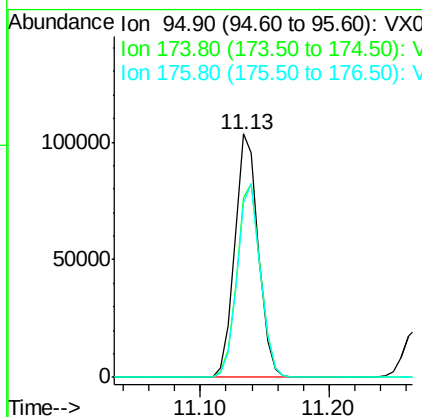
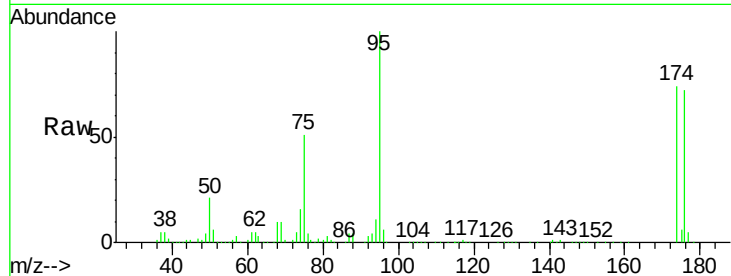
ClientSampled :

S37-0016MS

Tot Ion	95	Resp	131437
Ion Ratio	Lower	Upper	
95	100		
174	79.7	0.0	159.6
176	78.2	0.0	154.8

Manual Integrations
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4/24/2019 12:03:00 PM



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

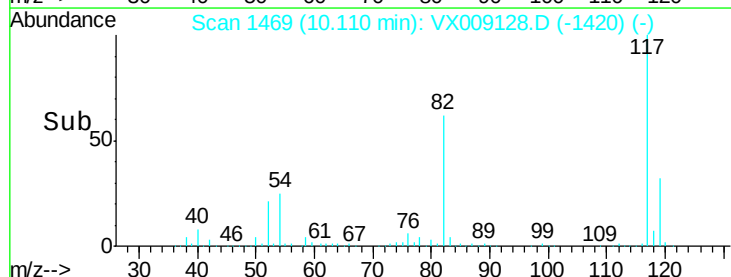
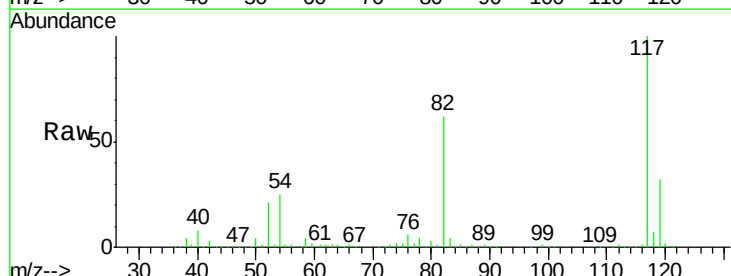
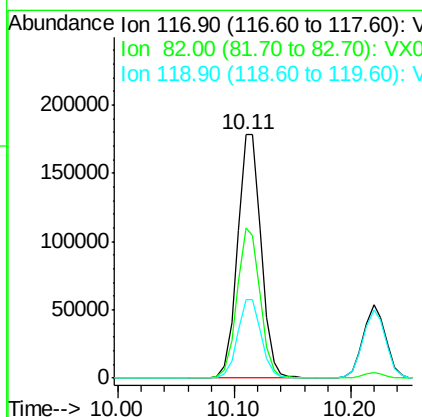
RT: 10.11 min Scan# 1469

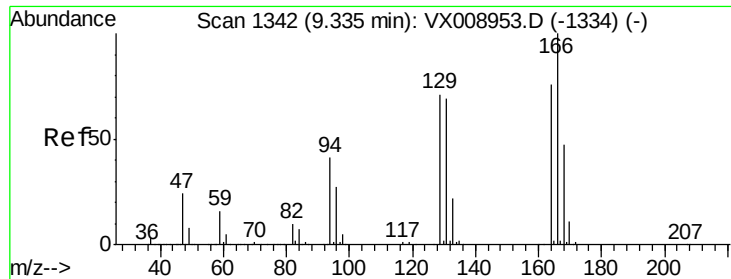
Delta R.T. -0.00 min

Lab File: VX009128.D

Acq: 23 Apr 2019 18:00

Tgt Ion	117	Resp	251576
Ion Ratio	Lower	Upper	
117	100		
82	61.6	48.2	72.4
119	32.3	25.0	37.6





#64

Tetrachloroethene

Concen: 49.514 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX009128.D

Acq: 23 Apr 2019 18:00

Instrument :

MSVOA_X

ClientSampleId :

S37-0016MS

Tot Ion:164 Resp: 94629

Ion Ratio Lower Upper

164 100

166 129.4 105.0 157.4

129 93.0 74.2 111.4

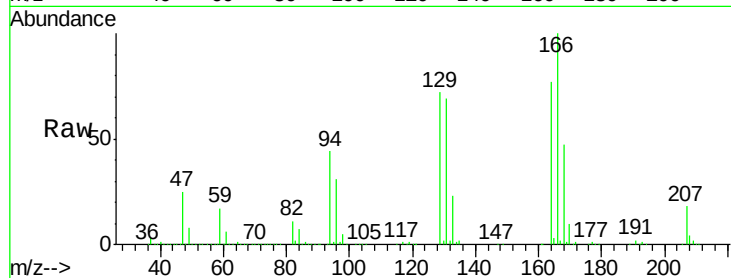
131 88.6 72.2 108.2

Manual Integrations

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4/24/2019 12:03:00 PM



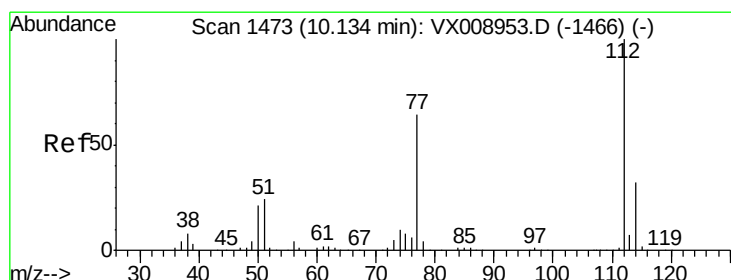
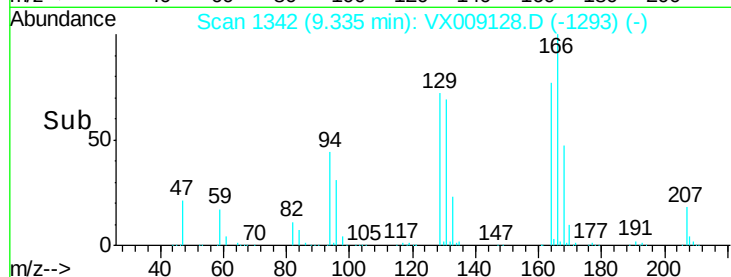
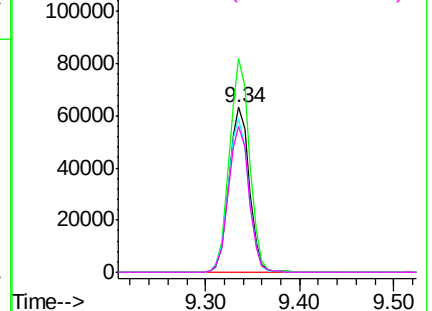
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 52.171 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.01 min

Lab File: VX009128.D

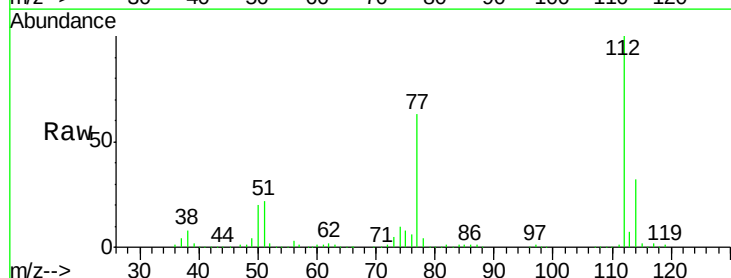
Acq: 23 Apr 2019 18:00

Tgt Ion:112 Resp: 277033

Ion Ratio Lower Upper

112 100

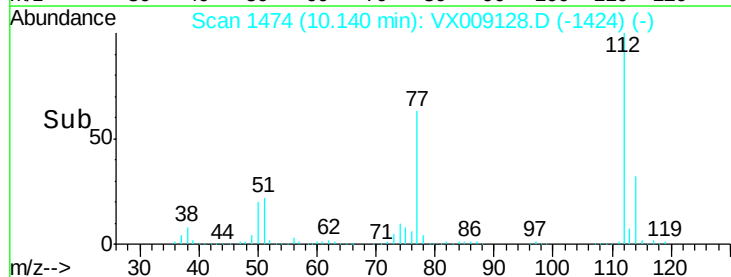
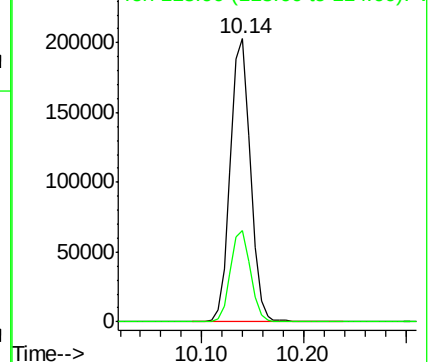
114 32.3 25.4 38.0

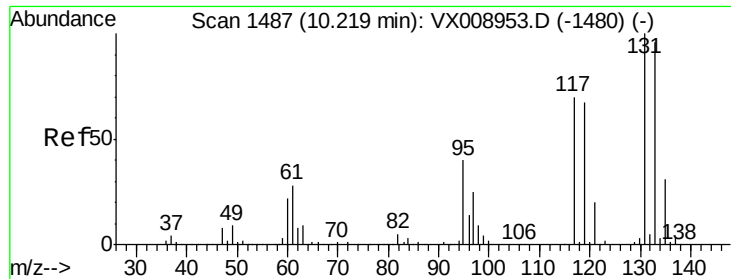


Abundance

Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





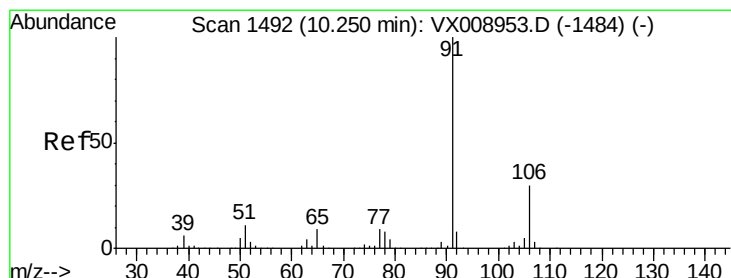
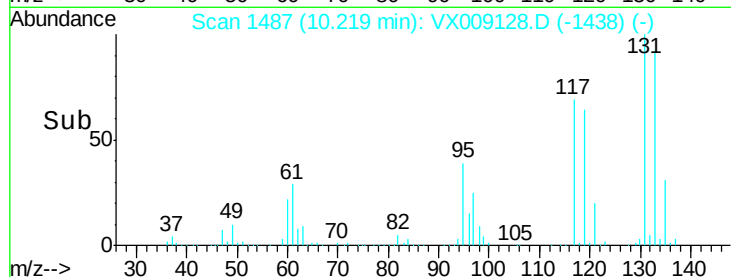
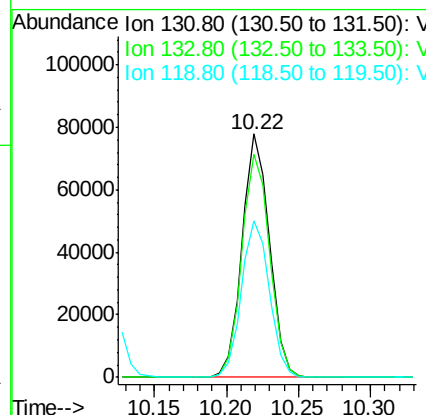
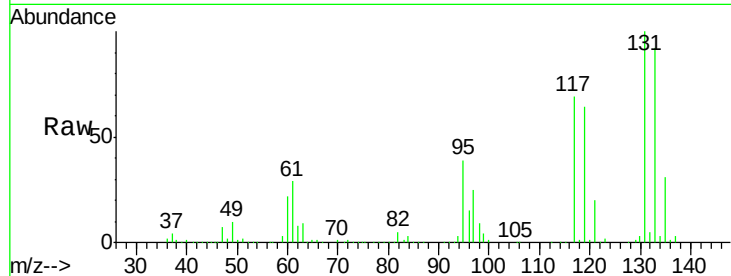
#66
 1,1,1,2-Tetrachloroethane
 Concen: 54.886 ug/l
 RT: 10.22 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VX009128.D
 Acq: 23 Apr 2019 18:00

Instrument :
 MSVOA_X
 ClientSampled :
 S37-0016MS

Tot Ion	Ratio	Lower	Upper
131	100		
133	94.1	48.0	144.2
119	65.9	33.7	101.1

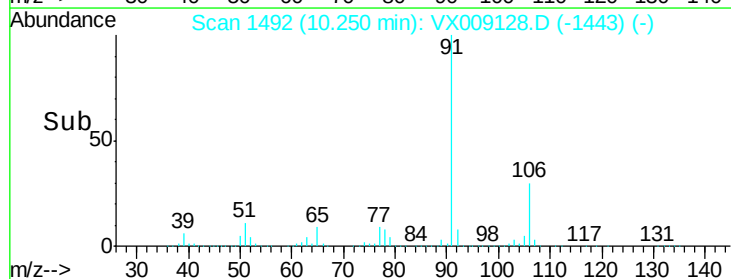
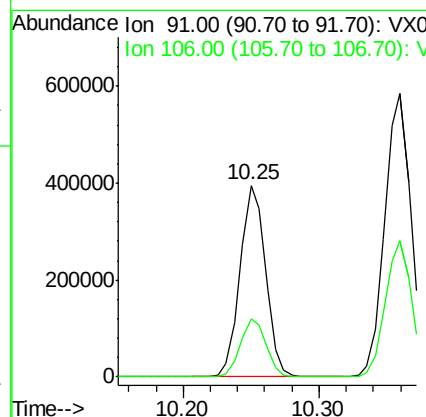
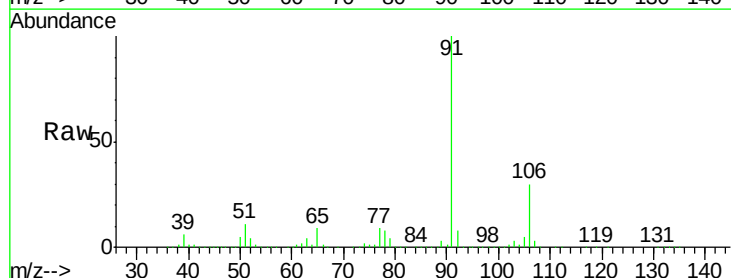
Manual Integrations
 APPROVED

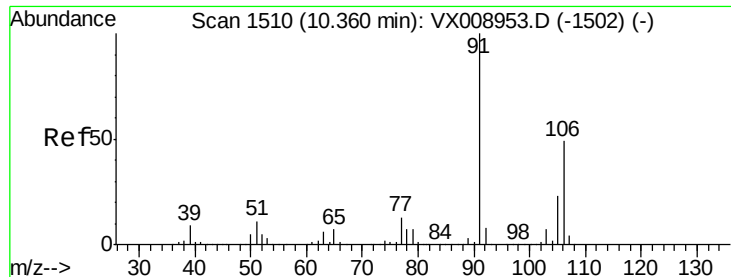
MMDadoda
 4/24/2019 12:03:00 PM



#67
 Ethyl Benzene
 Concen: 53.439 ug/l
 RT: 10.25 min Scan# 1492
 Delta R.T. -0.00 min
 Lab File: VX009128.D
 Acq: 23 Apr 2019 18:00

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.5	24.3	36.5





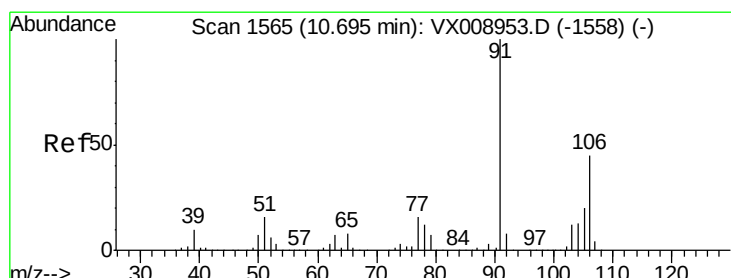
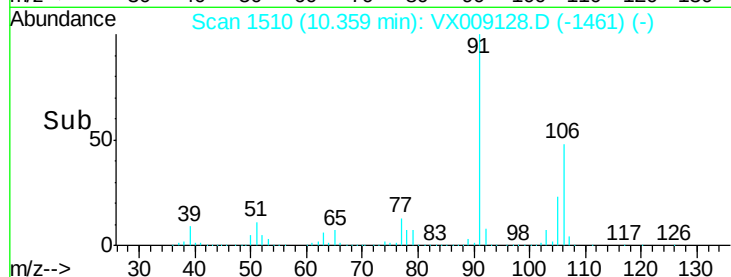
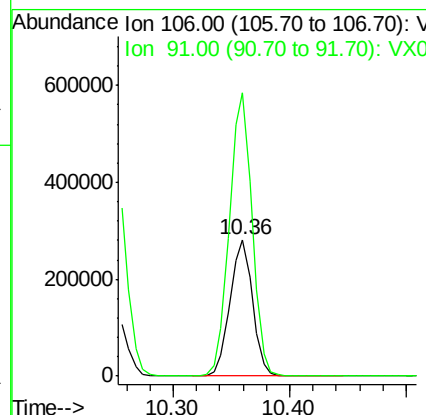
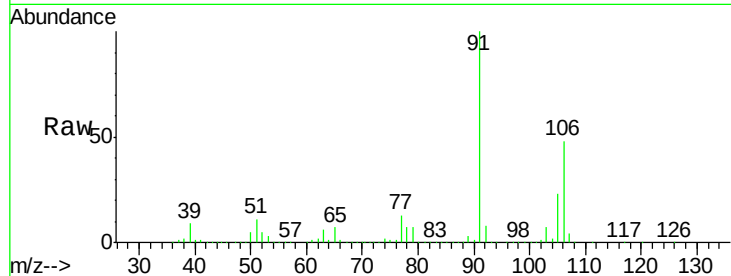
#68
m/p-Xylenes
Concen: 106.805 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX009128.D
Acq: 23 Apr 2019 18:00

Instrument :
MSVOA_X
ClientSampleId :
S37-0016MS

Tot Ion:106 Resp: 376786
Ion Ratio Lower Upper
106 100
91 209.6 165.4 248.2

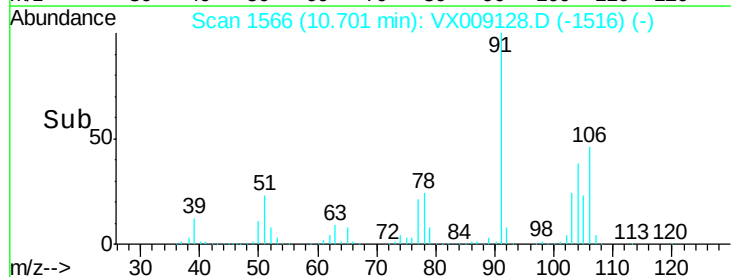
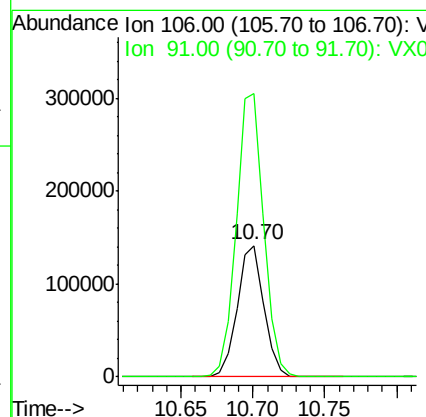
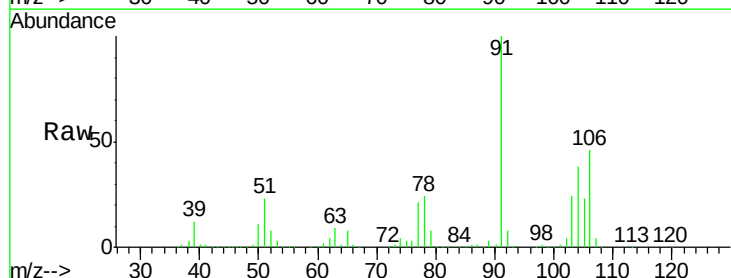
Manual Integrations
APPROVED

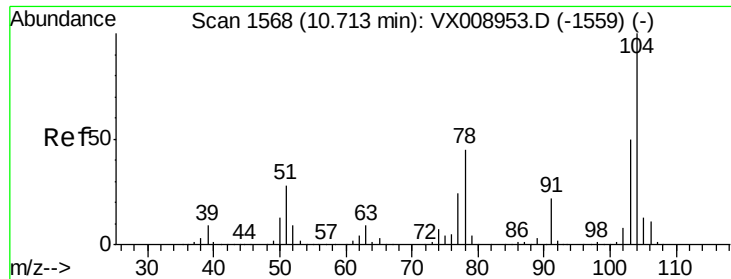
MMDadoda
4/24/2019 12:03:00 PM



#69
o-Xylene
Concen: 53.243 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX009128.D
Acq: 23 Apr 2019 18:00

Tgt Ion:106 Resp: 182760
Ion Ratio Lower Upper
106 100
91 222.4 108.9 326.7





#70

Stvrene

Concen: 53.957 ug/l

RT: 10.71 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VX009128.D

Acq: 23 Apr 2019 18:00

Instrument :

MSVOA_X

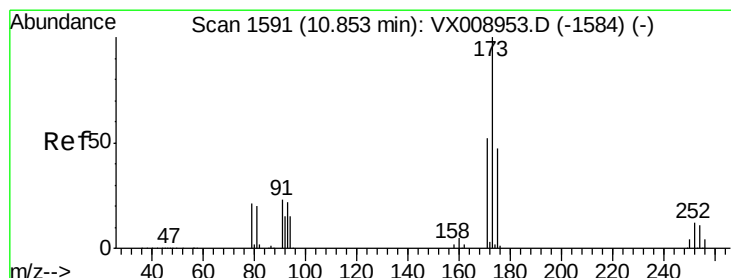
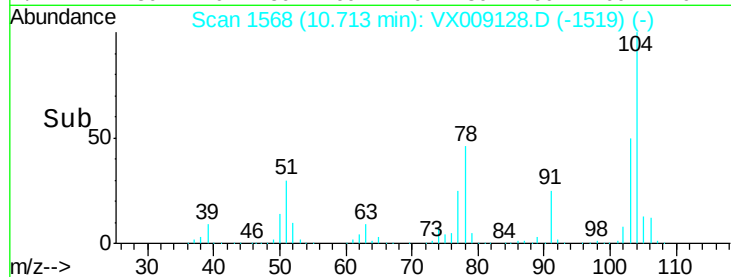
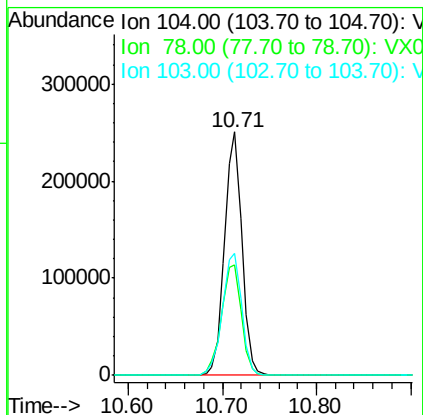
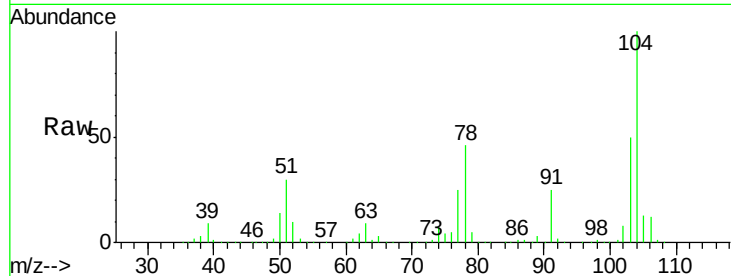
ClientSampleId :

S37-0016MS

Tot Ion:	104	Resp:	320959
Ion Ratio	Lower	Upper	
104	100		
78	52.2	41.2	61.8
103	55.8	43.9	65.9

Manual Integrations
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4/24/2019 12:03:00 PM



#71

Bromoform

Concen: 54.933 ug/l

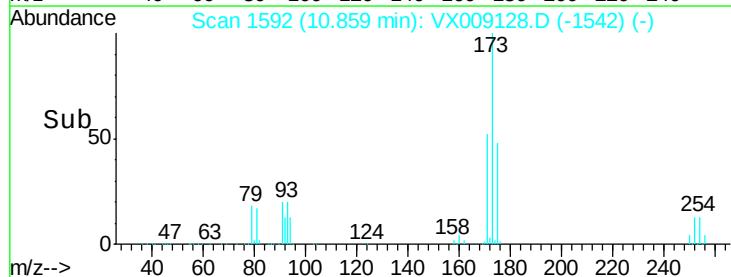
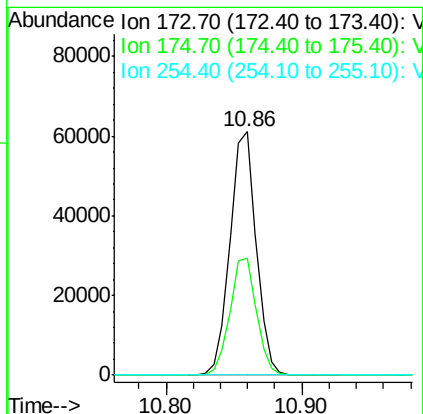
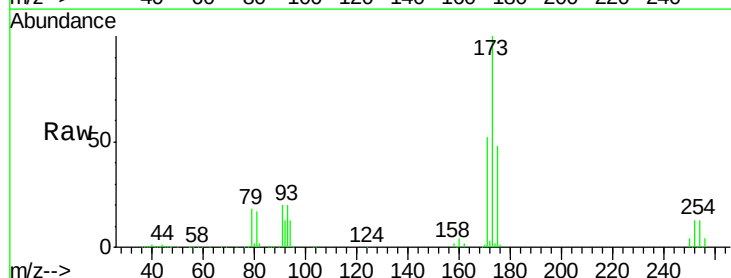
RT: 10.86 min Scan# 1592

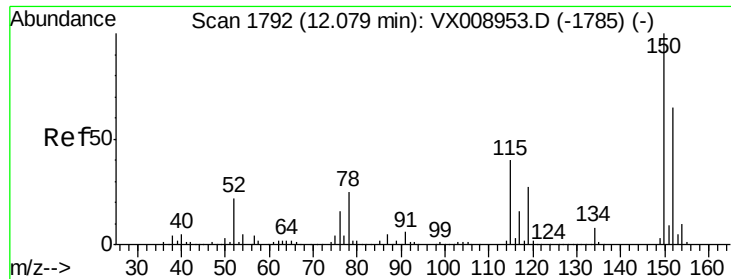
Delta R.T. 0.01 min

Lab File: VX009128.D

Acq: 23 Apr 2019 18:00

Tgt Ion:	173	Resp:	81868
Ion Ratio	Lower	Upper	
173	100		
175	48.7	23.9	71.8
254	0.2	0.2	0.4#





#72

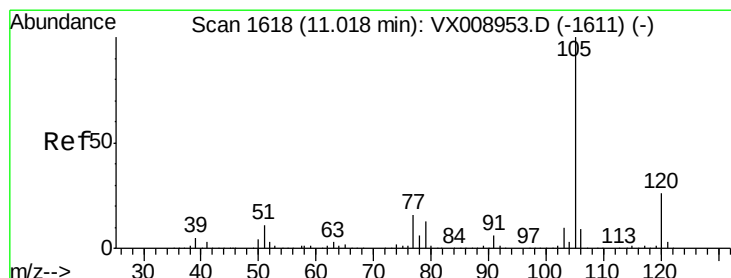
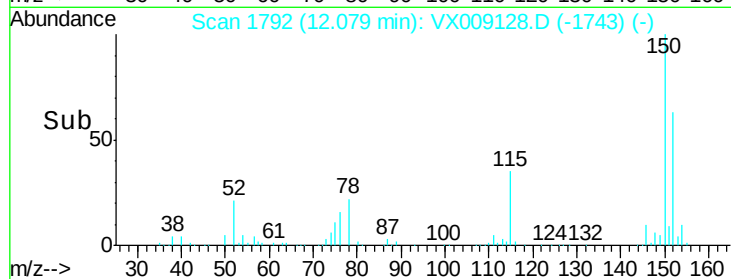
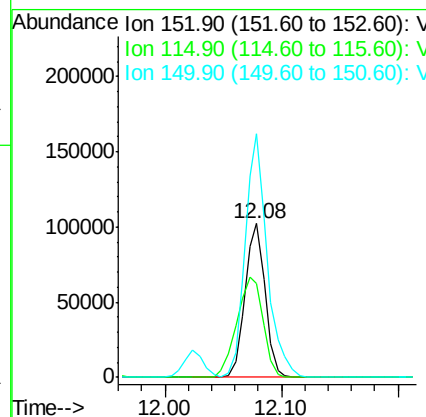
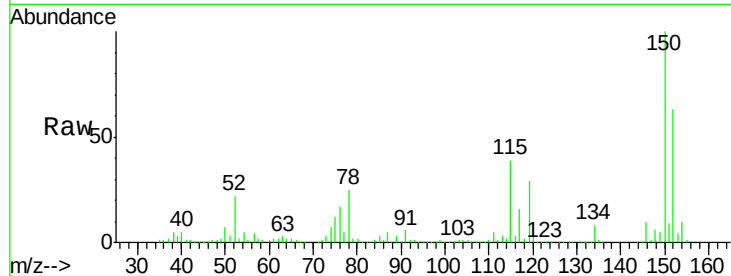
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX009128.D
Acq: 23 Apr 2019 18:00

Instrument :
MSVOA_X
ClientSampleId :
S37-0016MS

Tot Ion	Ratio	Resp	Lower	Upper
152	100	122779		
115	85.4	41.4	124.2	
150	172.7	0.0	349.8	

Manual Integrations
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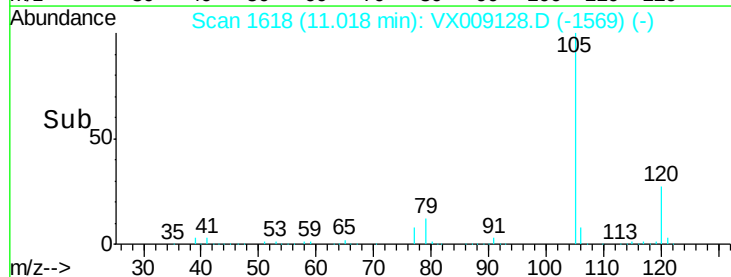
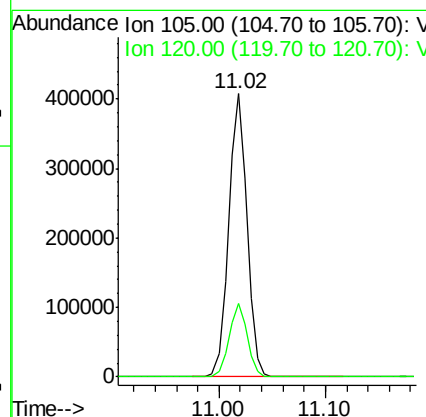
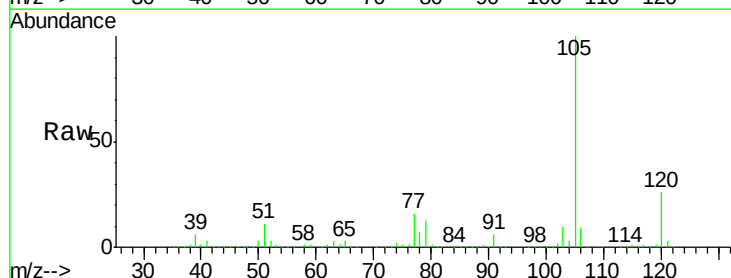
MMDadoda
4/24/2019 12:03:00 PM

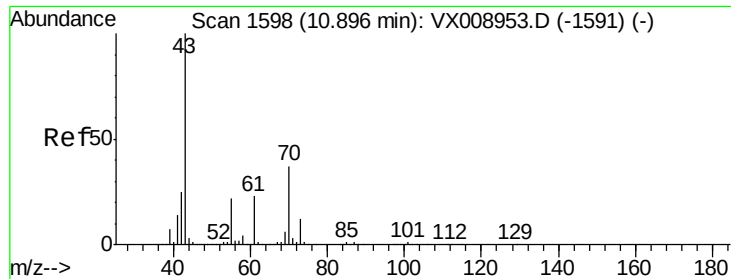


#73

Isopropylbenzene
Concen: 52.690 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX009128.D
Acq: 23 Apr 2019 18:00

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	490360		
120	25.6	12.9	38.7	





#74

N-amvl acetate

Concen: 51.890 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX009128.D

Acq: 23 Apr 2019 18:00

Instrument :

MSVOA_X

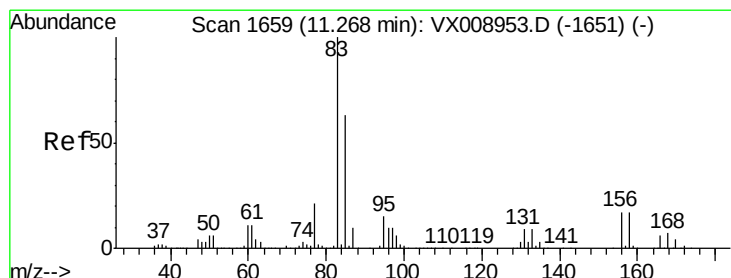
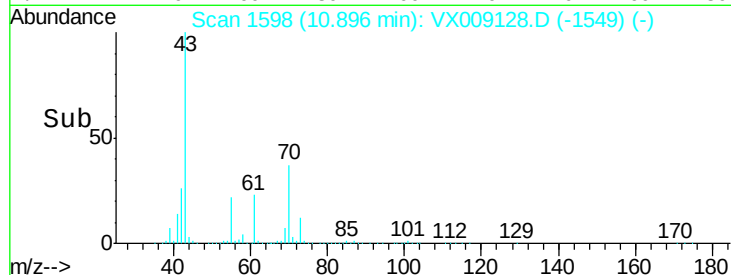
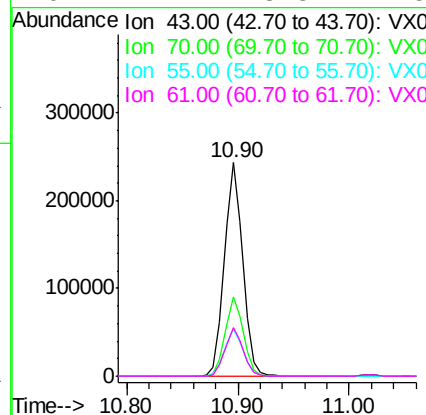
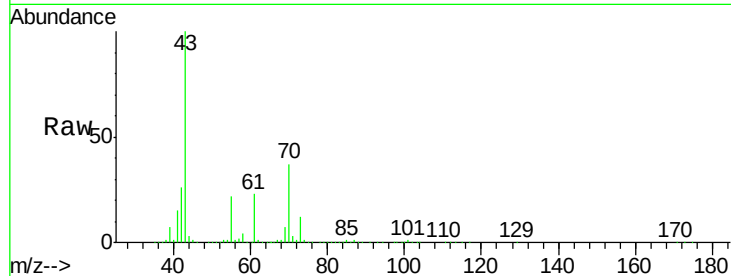
ClientSampleId :

S37-0016MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100		277281		
70	37.0	29.9	44.9		
55	22.6	17.8	26.8		
61	22.4	18.3	27.5		

Manual Integrations
APPROVED

MMDadoda
4/24/2019 12:03:00 PM



#75

1,1,2,2-Tetrachloroethane

Concen: 53.868 ug/l

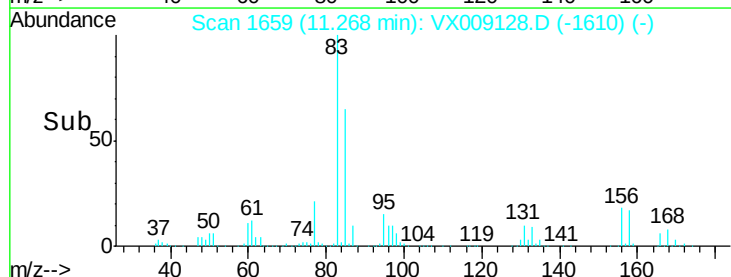
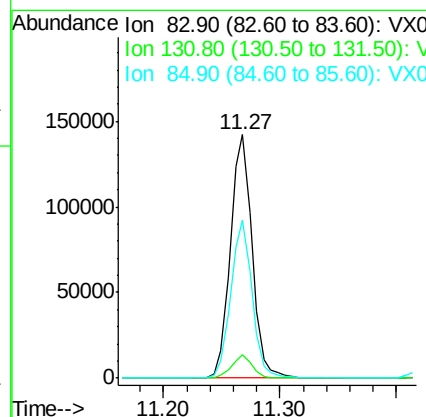
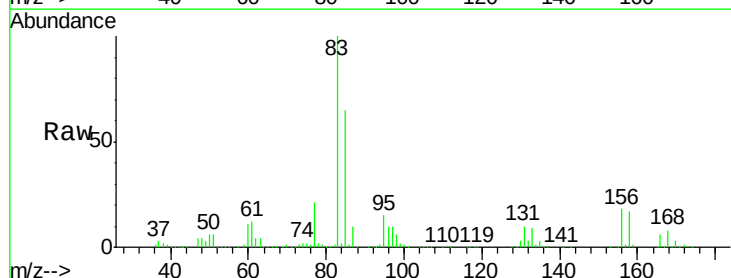
RT: 11.27 min Scan# 1659

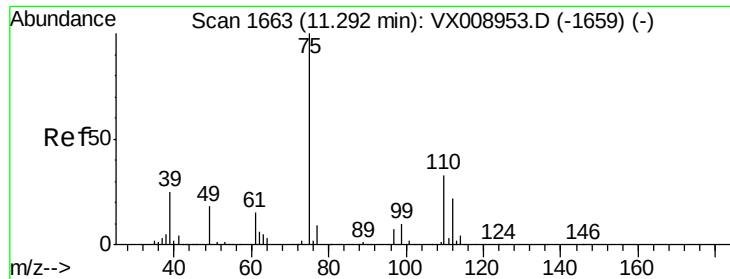
Delta R.T. -0.00 min

Lab File: VX009128.D

Acq: 23 Apr 2019 18:00

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100		183172		
131	9.3	4.7	14.0		
85	63.9	31.9	95.9		





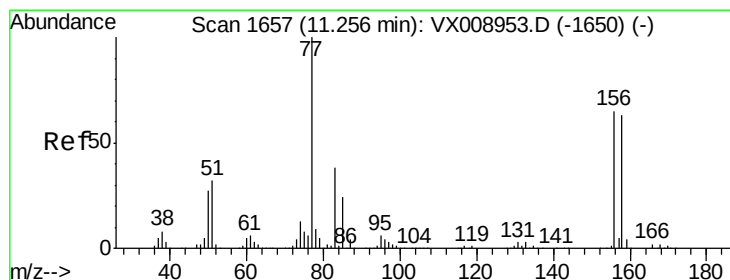
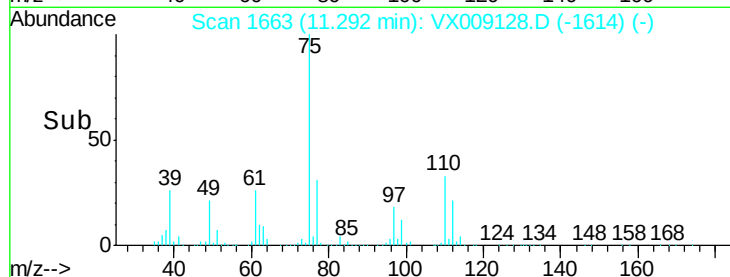
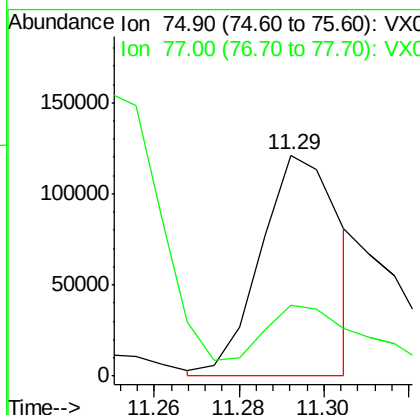
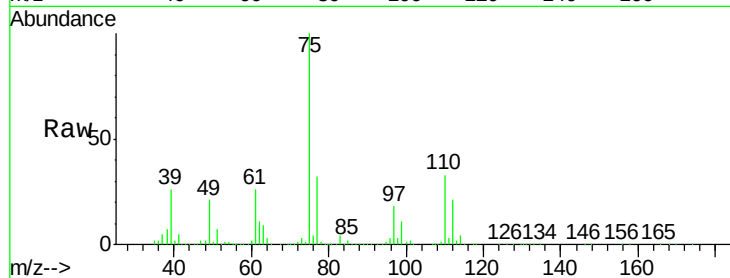
#76
1,2,3-Trichloropropane
Concen: 52.009 ug/l m
RT: 11.29 min Scan# 1663
Delta R.T. -0.00 min
Lab File: VX009128.D
Acq: 23 Apr 2019 18:00

Instrument :
MSVOA_X
ClientSampleId :
S37-0016MS

Tot Ion: 75 Resp: 155923
Ion Ratio Lower Upper
75 100
77 44.3 22.7 68.0

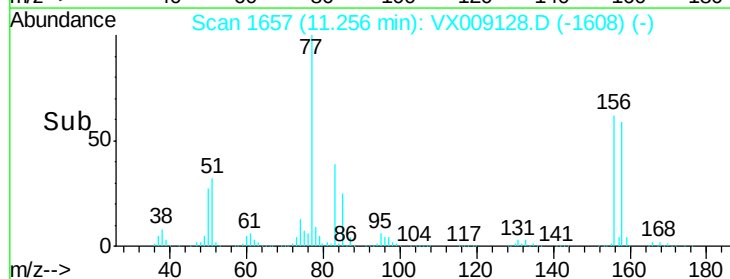
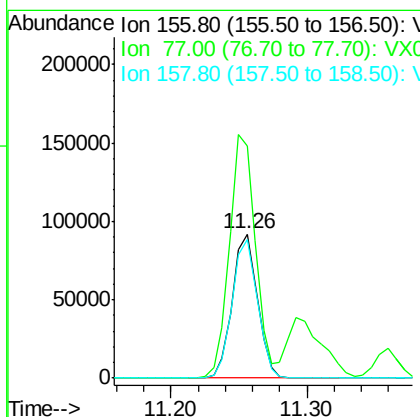
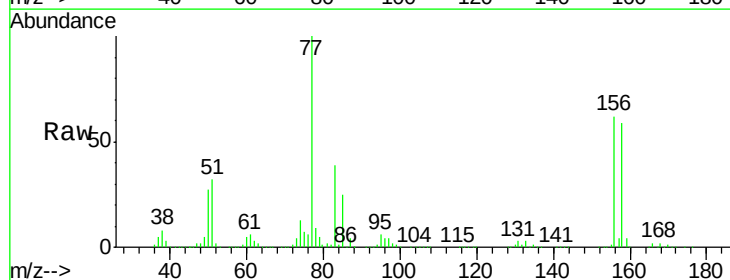
Manual Integrations
APPROVED

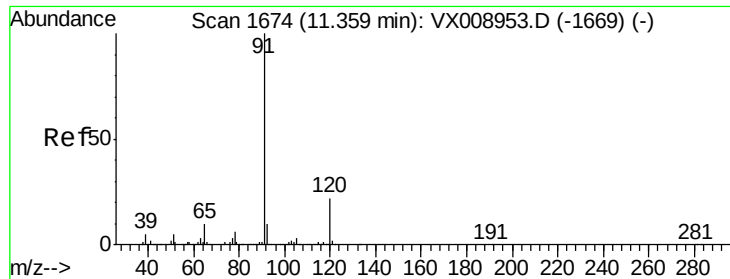
MMDadoda
4/24/2019 12:03:00 PM



#77
Bromobenzene
Concen: 50.566 ug/l
RT: 11.26 min Scan# 1657
Delta R.T. -0.00 min
Lab File: VX009128.D
Acq: 23 Apr 2019 18:00

Tgt Ion: 156 Resp: 118733
Ion Ratio Lower Upper
156 100
77 173.3 85.4 256.1
158 97.0 48.8 146.4





#78

n-propylbenzene

Concen: 53.385 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX009128.D

Acq: 23 Apr 2019 18:00

Instrument :

MSVOA_X

ClientSampleId :

S37-0016MS

Tot Ion: 91 Resp: 570247

Ion Ratio Lower Upper

91 100

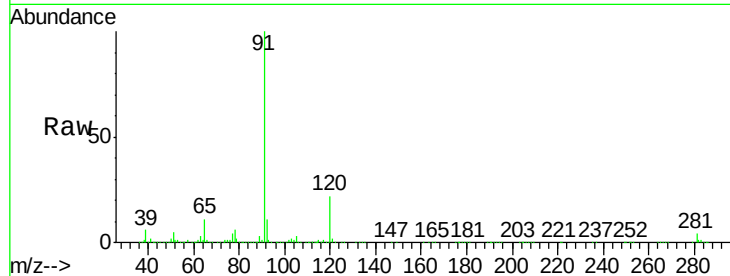
120 22.0 10.9 32.9

Manual Integrations

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4/24/2019 12:03:00 PM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

500000

400000

300000

200000

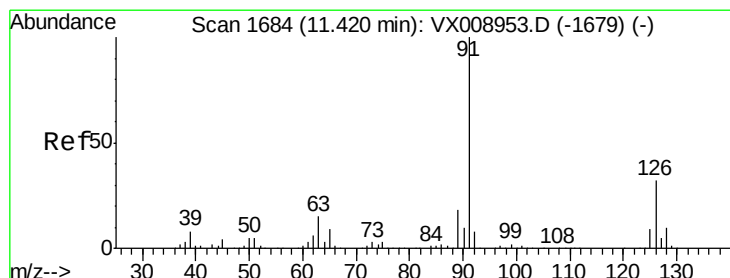
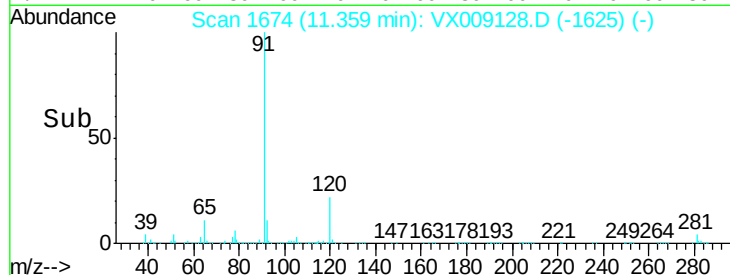
100000

0

Time--> 11.30

11.35

11.40



#79

2-Chlorotoluene

Concen: 52.474 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX009128.D

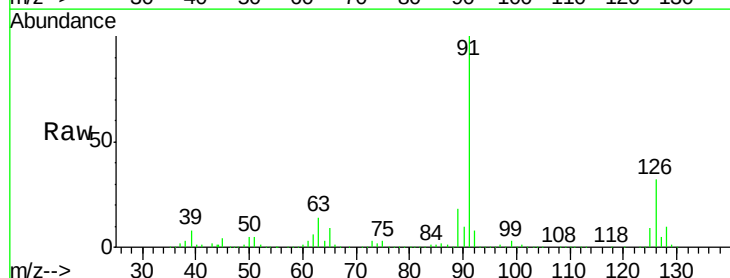
Acq: 23 Apr 2019 18:00

Tgt Ion: 91 Resp: 337770

Ion Ratio Lower Upper

91 100

126 32.0 16.3 48.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

500000

400000

300000

200000

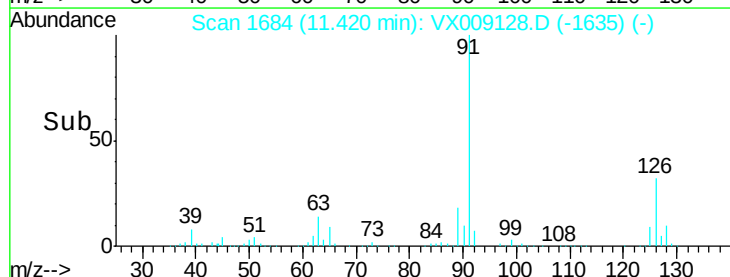
100000

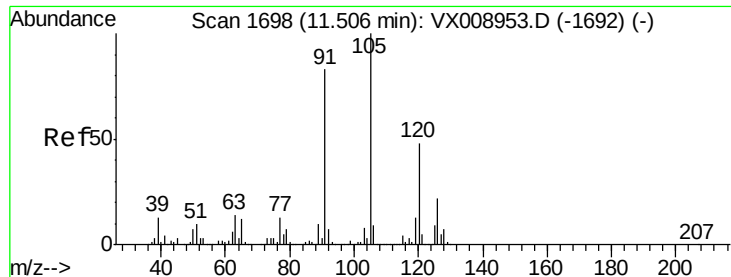
0

Time--> 11.40

11.42

11.45





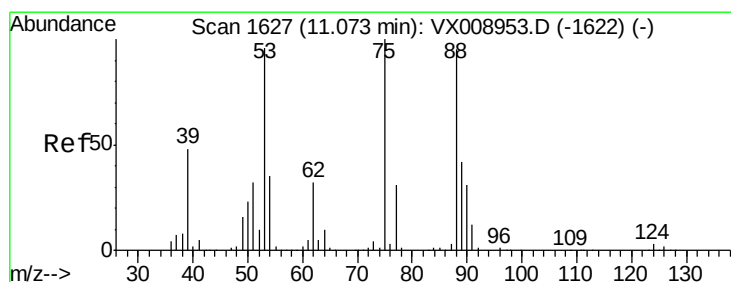
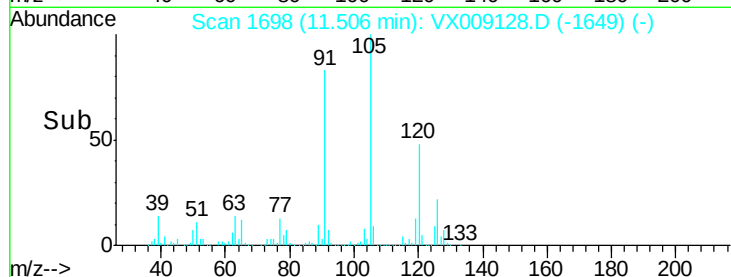
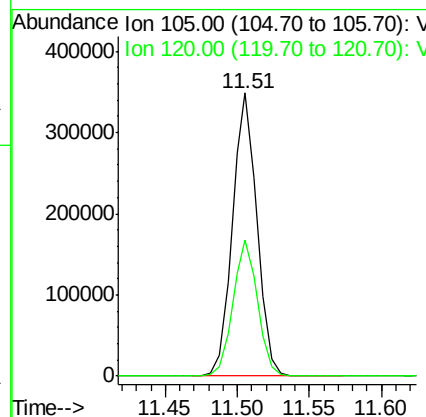
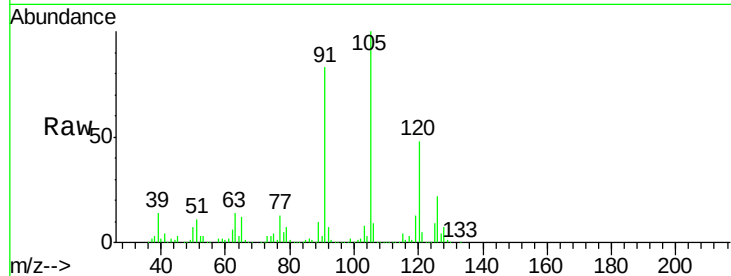
#80
 1,3,5-Trimethylbenzene
 Concen: 53.338 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX009128.D
 Acq: 23 Apr 2019 18:00

Instrument :
 MSVOA_X
 ClientSampleId :
 S37-0016MS

Tot Ion	Ratio	Lower	Upper
105	100		
120	48.2	24.1	72.3

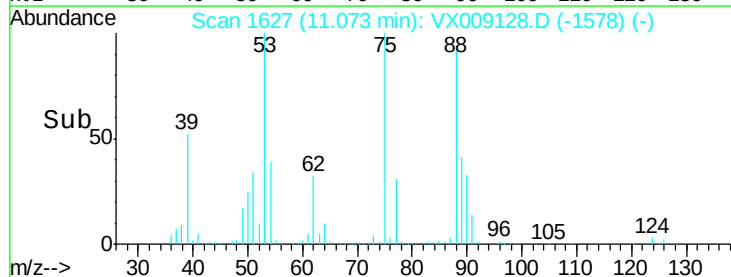
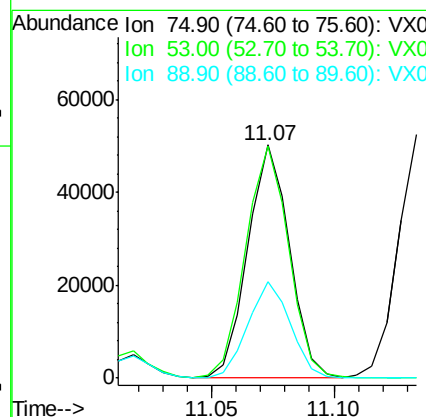
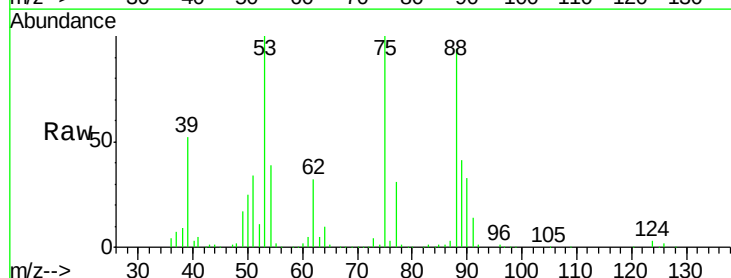
Manual Integrations
 APPROVED

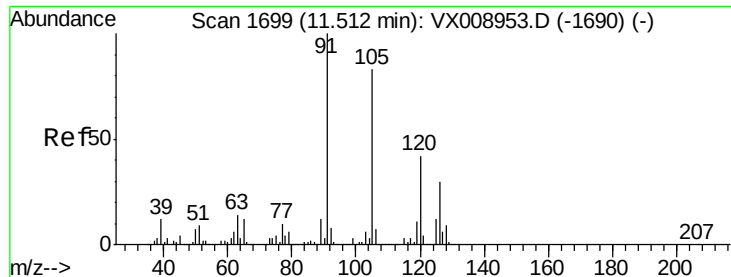
MMDadoda
 4/24/2019 12:03:00 PM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 50.962 ug/l
 RT: 11.07 min Scan# 1627
 Delta R.T. -0.00 min
 Lab File: VX009128.D
 Acq: 23 Apr 2019 18:00

Tgt Ion	Ratio	Lower	Upper
75	100		
53	102.8	78.2	117.4
89	42.4	36.0	54.0





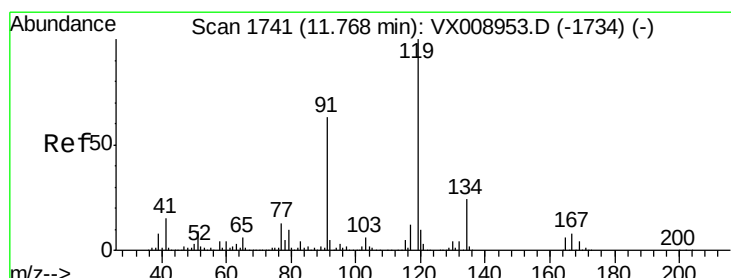
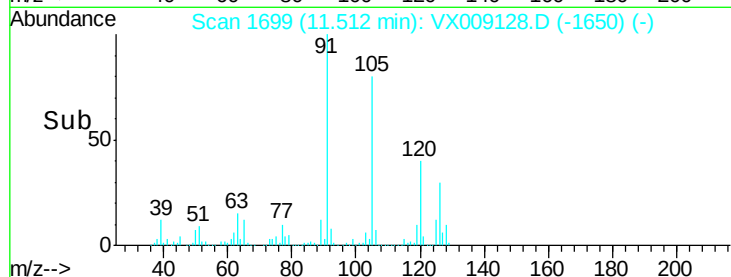
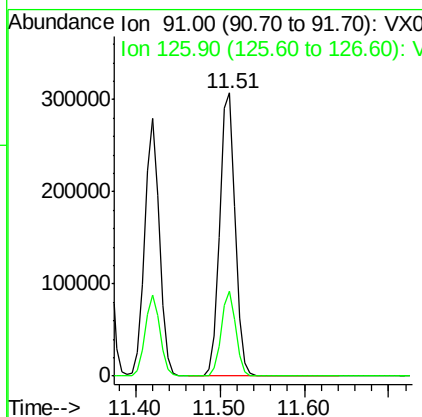
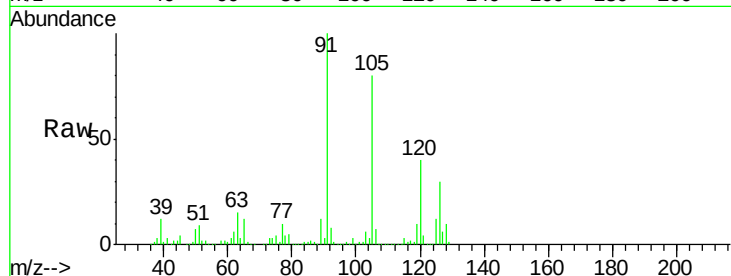
#82
4-Chlorotoluene
Concen: 52.172 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX009128.D
Acq: 23 Apr 2019 18:00

Instrument :
MSVOA_X
ClientSampleId :
S37-0016MS

Tot Ion	Ratio	Resp	Lower	Upper
91	100	390021		
126	28.5	14.3	42.9	

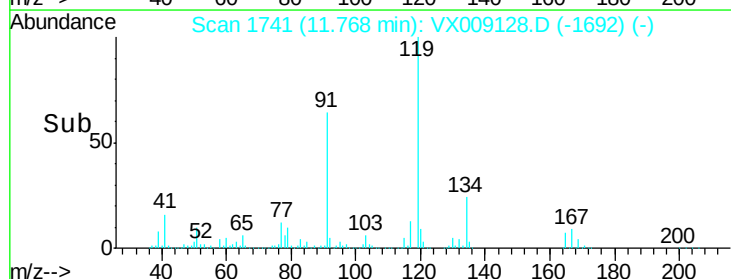
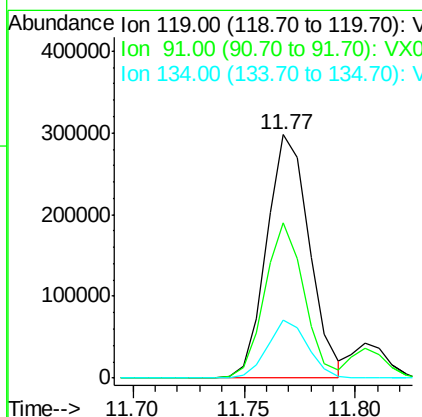
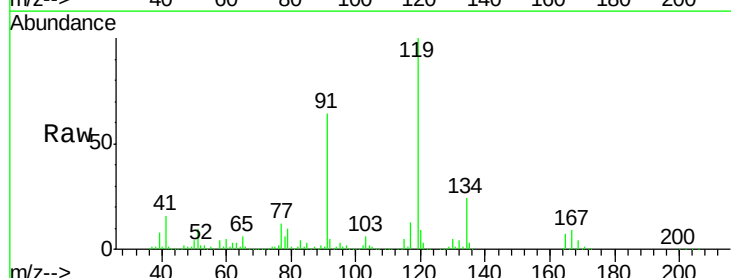
Manual Integrations
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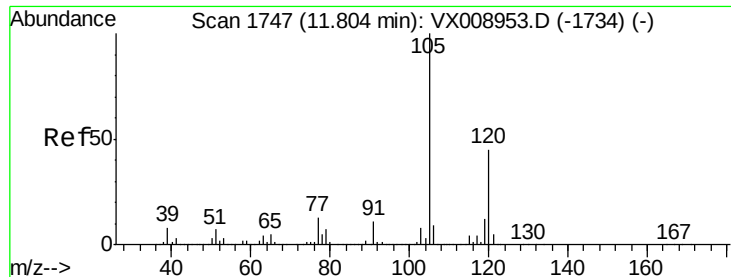
MMDadoda
4/24/2019 12:03:00 PM



#83
tert-Butylbenzene
Concen: 52.830 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX009128.D
Acq: 23 Apr 2019 18:00

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	396119		
91	59.3	29.7	89.1	
134	22.4	11.2	33.5	





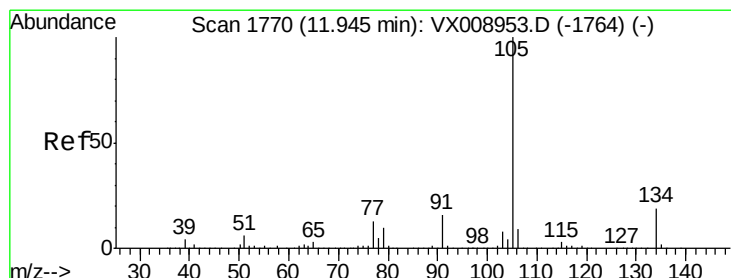
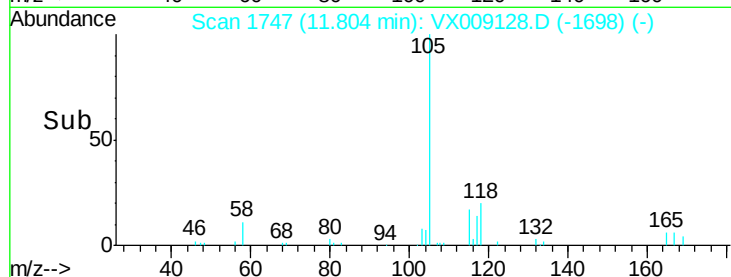
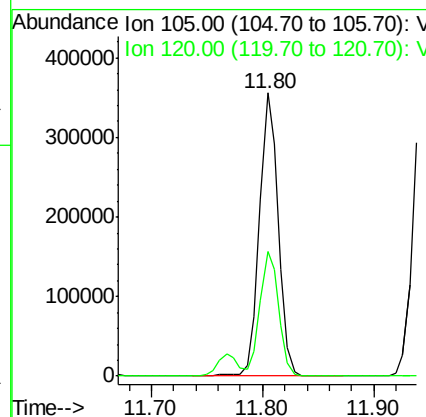
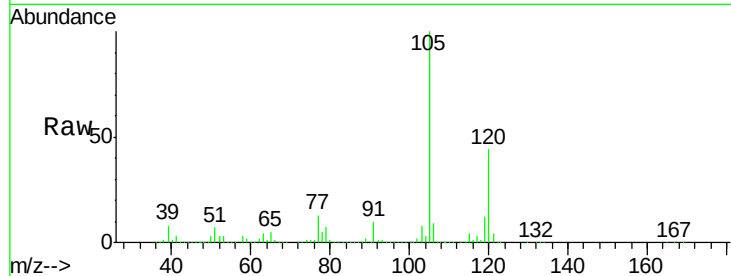
#84
 1,2,4-Trimethylbenzene
 Concen: 52.644 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX009128.D
 Acq: 23 Apr 2019 18:00

Instrument :
 MSVOA_X
 ClientSampleId :
 S37-0016MS

Tot Ion	Ratio	Lower	Upper
105	100		
120	44.0	21.9	65.8

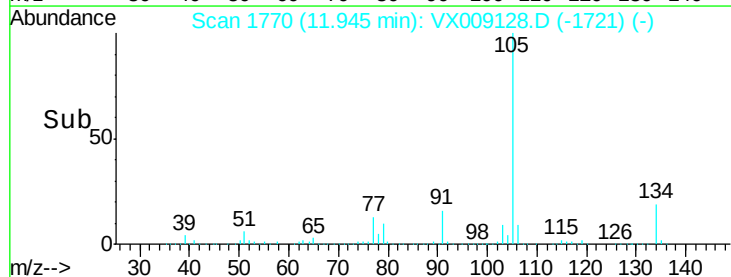
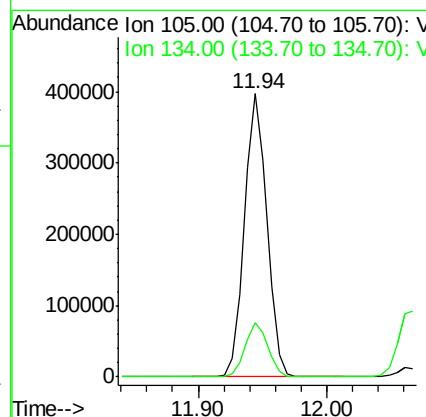
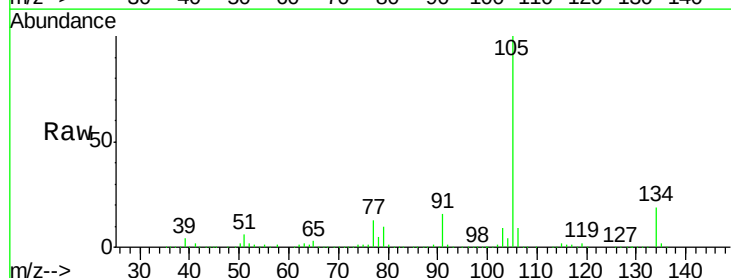
Manual Integrations
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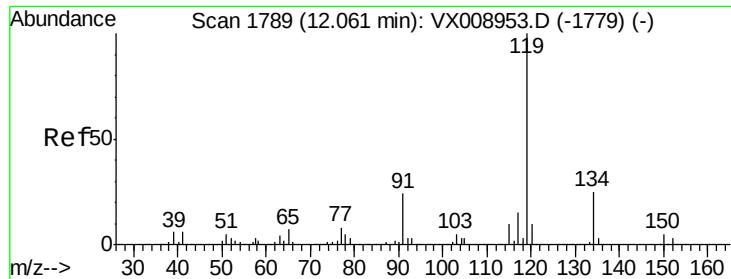
MMDadoda
 4/24/2019 12:03:00 PM



#85
 sec-Butylbenzene
 Concen: 53.252 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX009128.D
 Acq: 23 Apr 2019 18:00

Tgt Ion	Ratio	Lower	Upper
105	100		
134	19.2	9.6	28.6





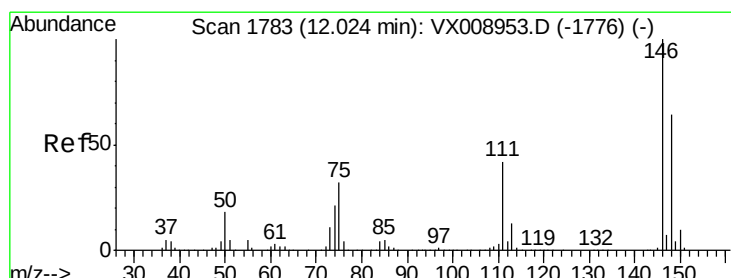
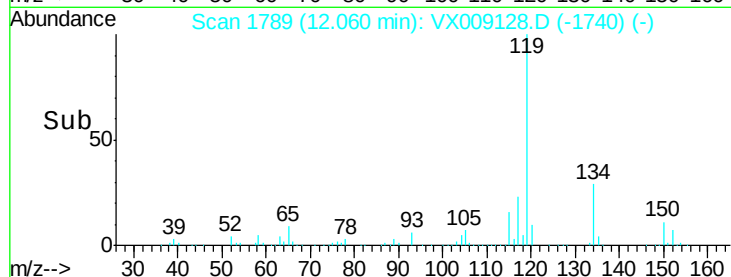
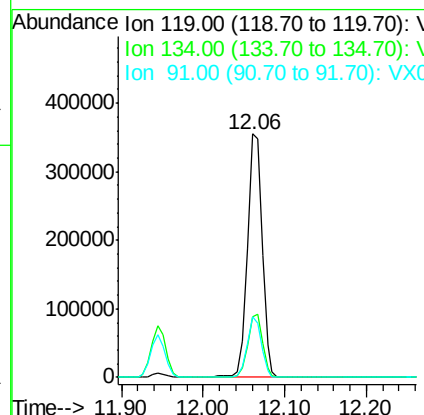
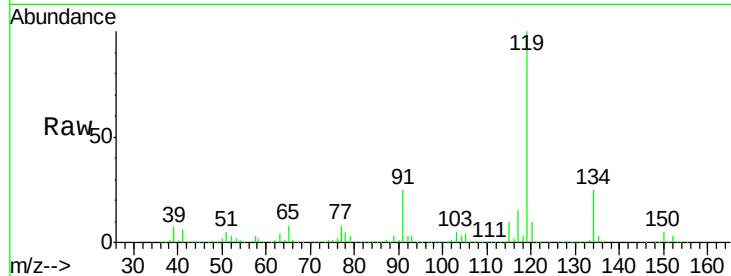
#86
 p-Isopropyltoluene
 Concen: 53.273 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. -0.00 min
 Lab File: VX009128.D
 Acq: 23 Apr 2019 18:00

Instrument :
 MSVOA_X
 ClientSampleId :
 S37-0016MS

Tot Ion	Ratio	Resp	Lower	Upper
119	100	437992		
134	25.9	12.9	38.6	
91	23.9	11.9	35.5	

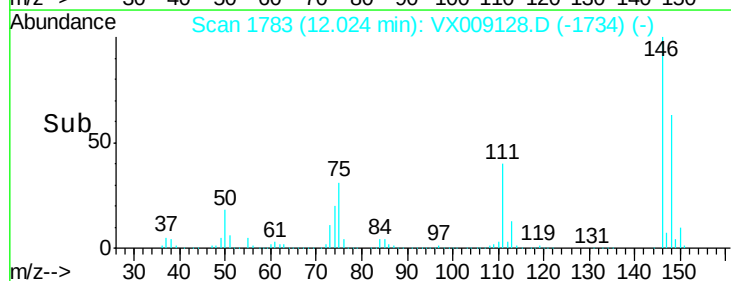
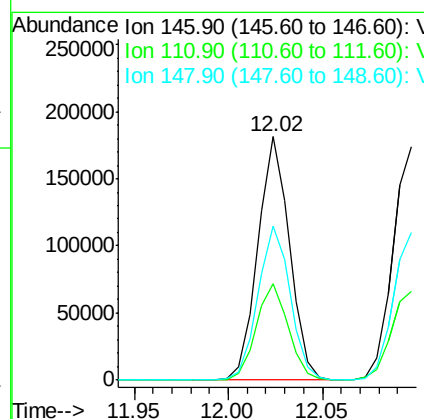
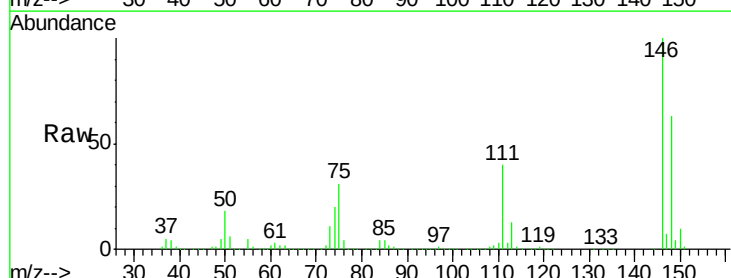
Manual Integrations
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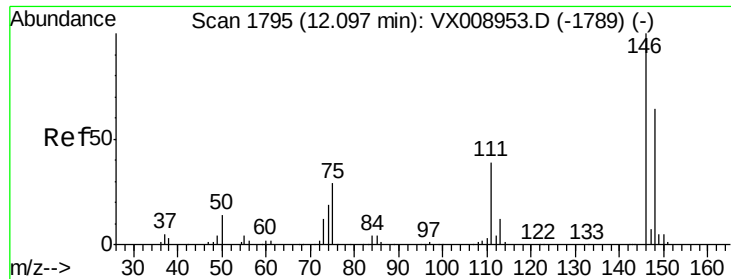
MMDadoda
 4/24/2019 12:03:00 PM



#87
 1,3-Dichlorobenzene
 Concen: 51.400 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX009128.D
 Acq: 23 Apr 2019 18:00

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	211238		
111	40.4	20.5	61.6	
148	64.1	32.2	96.6	





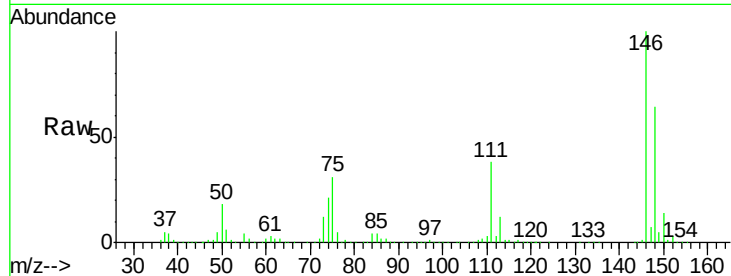
#88
 1,4-Dichlorobenzene
 Concen: 51.128 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX009128.D
 Acq: 23 Apr 2019 18:00

Instrument :
 MSVOA_X
 ClientSampled :
 S37-0016MS

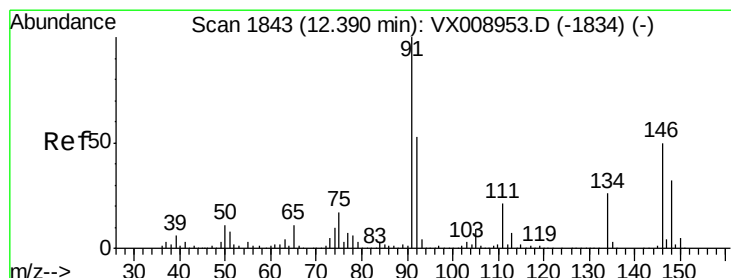
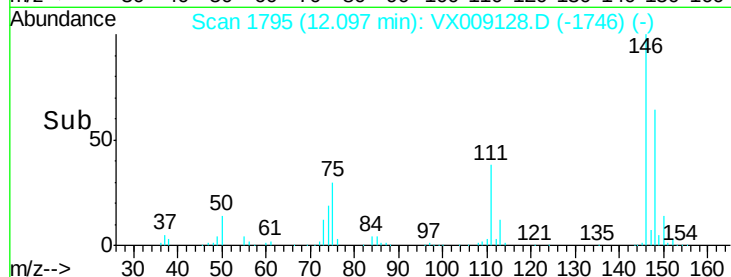
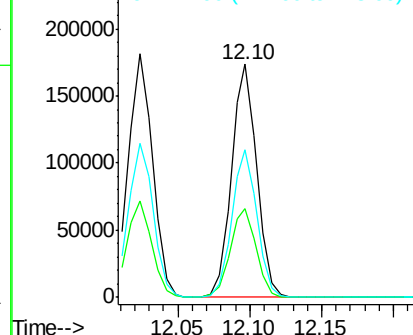
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	20.0	59.9
148	63.3	32.2	96.6

Manual Integrations
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MMDadoda
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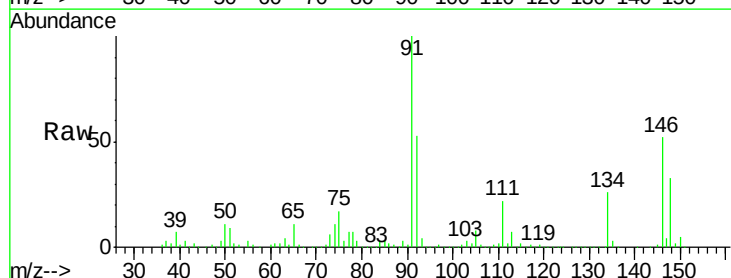


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

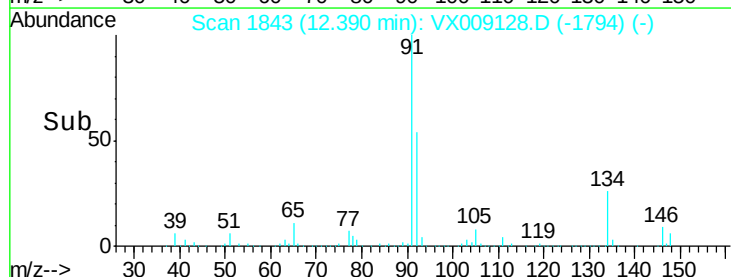
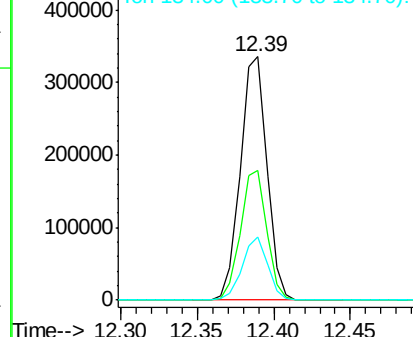


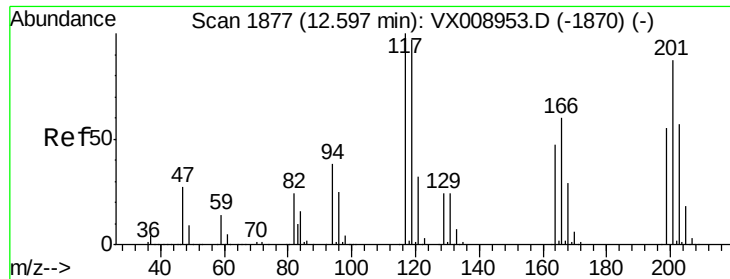
#89
 n-Butylbenzene
 Concen: 52.708 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX009128.D
 Acq: 23 Apr 2019 18:00

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.6	79.8
134	25.0	12.4	37.2



Abundance Ion 91.00 (90.70 to 91.70): VX0
 Ion 92.00 (91.70 to 92.70): VX0
 Ion 134.00 (133.70 to 134.70): V





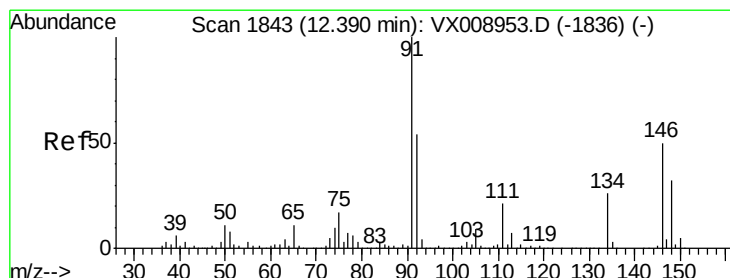
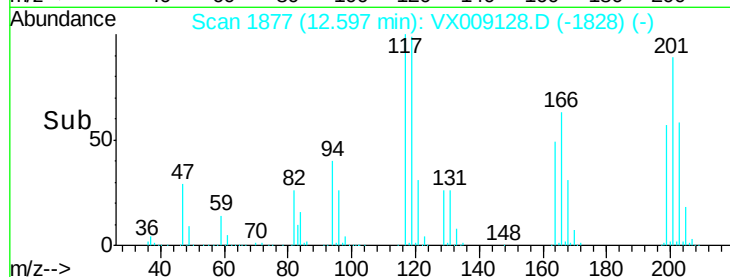
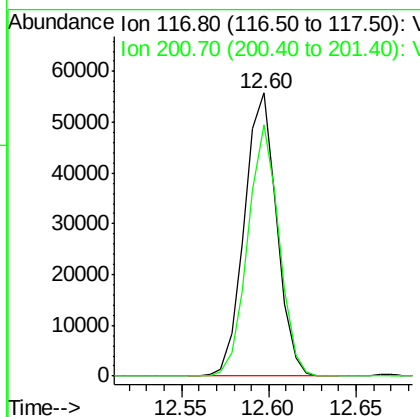
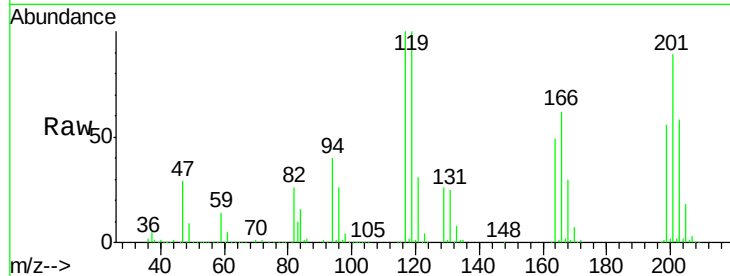
#90
Hexachloroethane
Concen: 52.749 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX009128.D
Acq: 23 Apr 2019 18:00

Instrument :
MSVOA_X
ClientSampleId :
S37-0016MS

Tot Ion:117 Resp: 71538
Ion Ratio Lower Upper
117 100
201 85.5 43.0 129.0

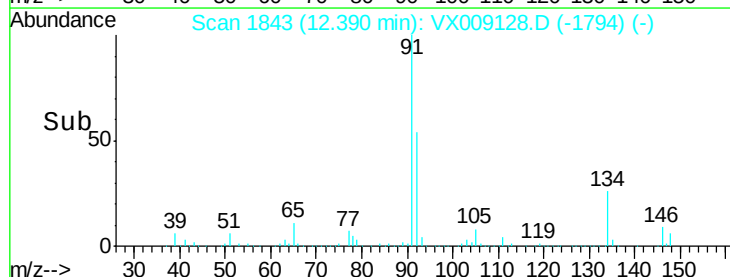
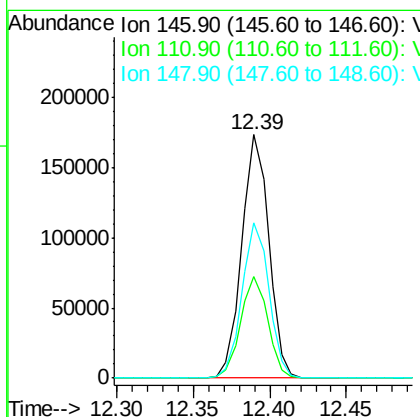
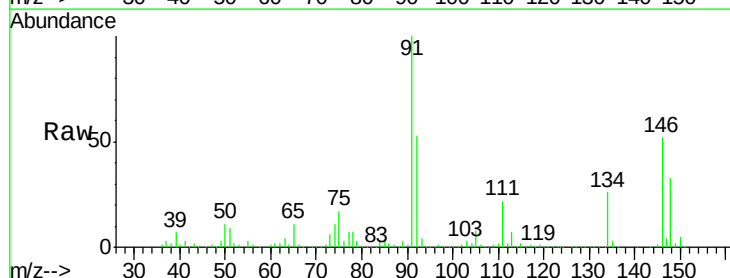
Manual Integrations
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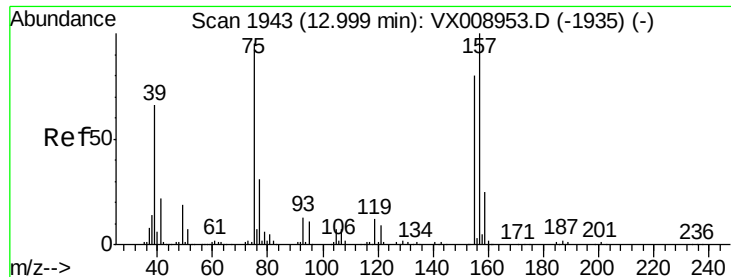
MMDadoda
4/24/2019 12:03:00 PM



#91
1,2-Dichlorobenzene
Concen: 52.565 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX009128.D
Acq: 23 Apr 2019 18:00

Tgt Ion:146 Resp: 213321
Ion Ratio Lower Upper
146 100
111 41.7 20.6 61.9
148 63.6 32.0 96.2





#92

1,2-Dibromo-3-Chloropropane

Concen: 54.092 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VX009128.D

Acq: 23 Apr 2019 18:00

Instrument :

MSVOA_X

ClientSampleId :

S37-0016MS

Tot Ion: 75 Resp: 41879

Ion Ratio Lower Upper

75 100

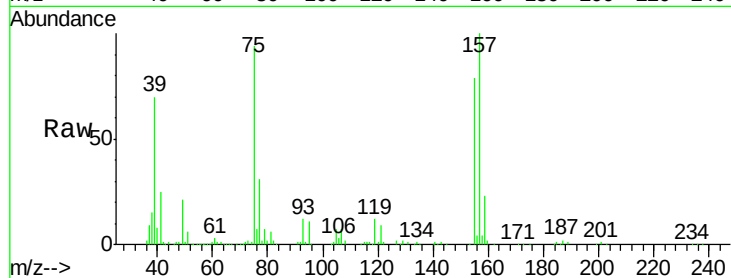
155 81.9 41.2 123.6

157 105.2 52.5 157.6

Manual Integrations
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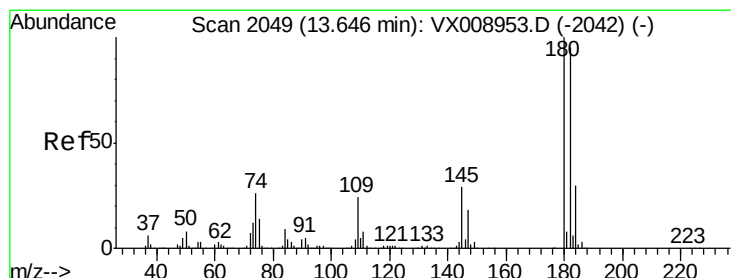
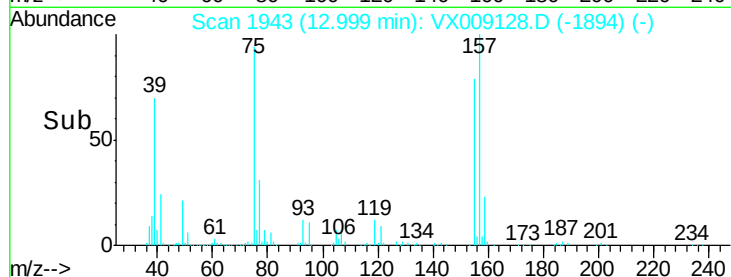


Abundance Ion 74.90 (74.60 to 75.60): VX009128.D (-1894) (-)

Ion 154.80 (154.50 to 155.50): VX009128.D (-1894) (-)

Ion 156.80 (156.50 to 157.50): VX009128.D (-1894) (-)

Time-->



#93

1,2,4-Trichlorobenzene

Concen: 51.877 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. -0.00 min

Lab File: VX009128.D

Acq: 23 Apr 2019 18:00

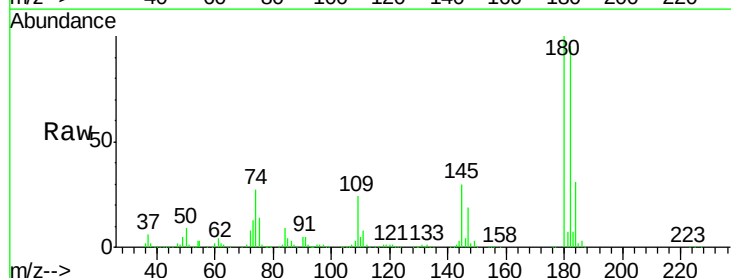
Tgt Ion: 180 Resp: 151972

Ion Ratio Lower Upper

180 100

182 94.0 47.6 142.9

145 29.8 14.8 44.4

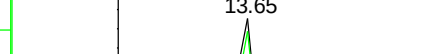
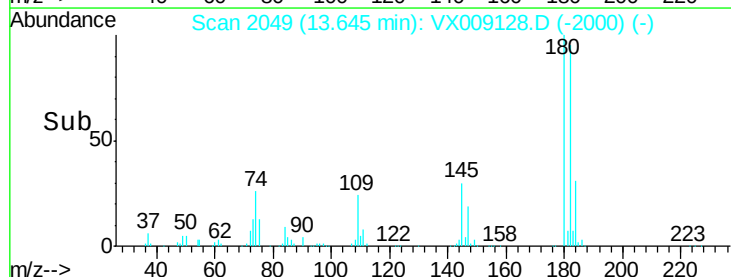


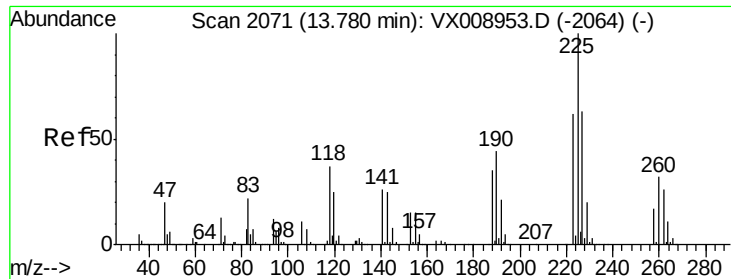
Abundance Ion 179.80 (179.50 to 180.50): VX009128.D (-2000) (-)

Ion 181.80 (181.50 to 182.50): VX009128.D (-2000) (-)

Ion 144.80 (144.50 to 145.50): VX009128.D (-2000) (-)

Time-->





#94

Hexachlorobutadiene

Concen: 51.447 ug/l

RT: 13.78 min Scan# 2071

Delta R.T. -0.00 min

Lab File: VX009128.D

Acq: 23 Apr 2019 18:00

Instrument :

MSVOA_X

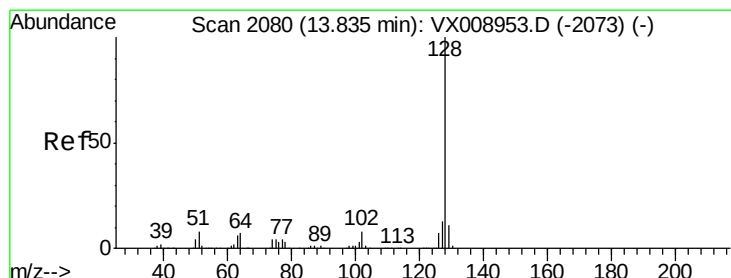
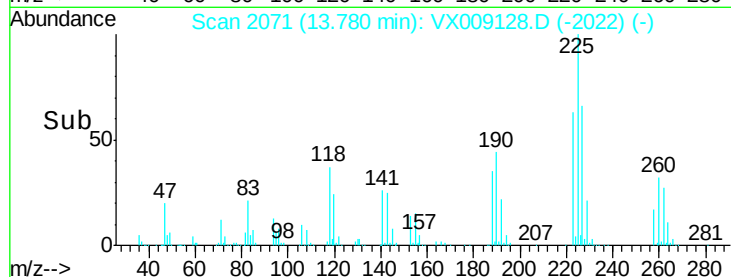
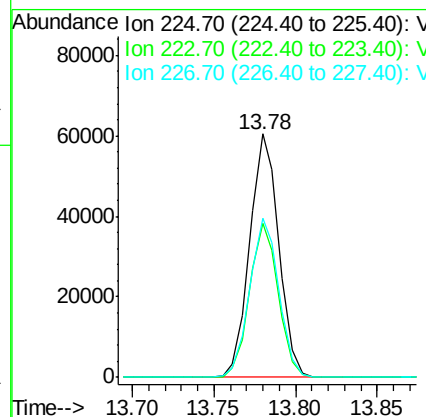
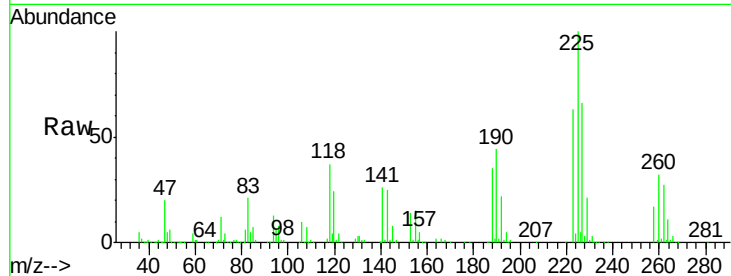
ClientSampleId :

S37-0016MS

Tot Ion:	225	Resp:	75169
Ion Ratio	Lower	Upper	
225	100		
223	62.5	31.1	93.2
227	65.6	32.0	96.2

Manual Integrations
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#95

Naphthalene

Concen: 53.909 ug/l

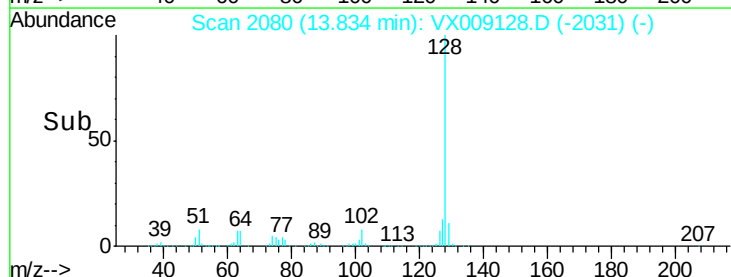
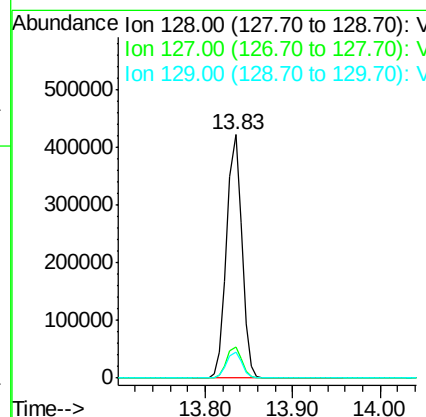
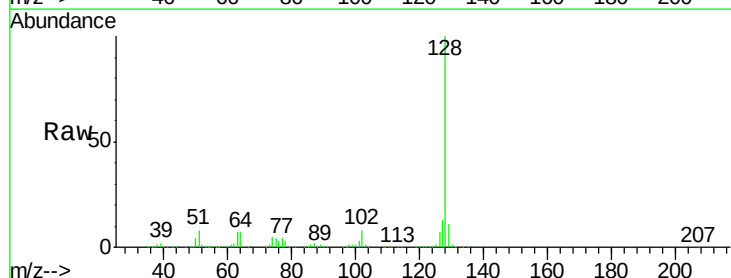
RT: 13.83 min Scan# 2080

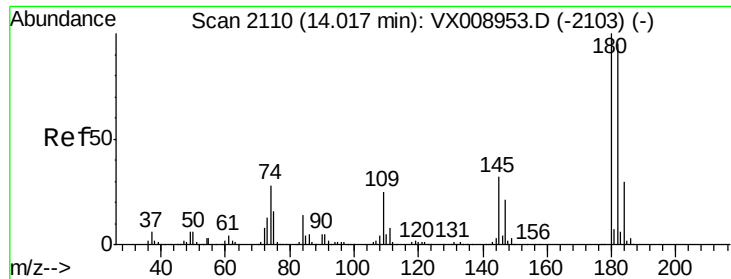
Delta R.T. -0.00 min

Lab File: VX009128.D

Acq: 23 Apr 2019 18:00

Tgt Ion:	128	Resp:	505965
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.6	16.0
129	11.1	8.6	13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 52.683 ug/l
 RT: 14.02 min Scan# 2110
 Delta R.T. -0.00 min
 Lab File: VX009128.D
 Acq: 23 Apr 2019 18:00

Instrument :
 MSVOA_X
 ClientSampleId :
 S37-0016MS

Tot Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	95.9	47.8	143.4
145	31.4	15.8	47.3

Manual Integrations
 APPROVED

MMDadoda
 4/24/2019 12:03:00 PM

