

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX021919\
 Data File : VX007616.D
 Acq On : 19 Feb 2019 16:30
 Operator : JC/SP
 Sample : K1528-05MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-1MS

Manual Integrations
 APPROVED

MMDadoda
 2/20/2019 10:34:52 AM

Quant Time: Feb 20 07:29:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 02 01:32:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	524694	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	795545	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	736220	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	391033	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	311691	55.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.94%	
35) Dibromofluoromethane	5.51	113	265274	51.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.50%	
50) Toluene-d8	8.72	98	958747	49.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.84%	
62) 4-Bromofluorobenzene	11.14	95	363180	51.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	266181	41.315	ug/l	99
3) Chloromethane	1.32	50	313266	53.007	ug/l	99
4) Vinyl Chloride	1.40	62	357765	61.707	ug/l	99
5) Bromomethane	1.64	94	21592	3.308	ug/l	97
6) Chloroethane	1.71	64	178533	47.602	ug/l	99
7) Trichlorofluoromethane	1.93	101	395670	43.625	ug/l	99
8) Diethyl Ether	2.19	74	176301	51.645	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.39	101	225499	41.798	ug/l	99
10) Methyl Iodide	2.51	142	22288	2.808	ug/l #	93
11) Tert butyl alcohol	3.08	59	262623	227.863	ug/l #	73
12) 1,1-Dichloroethene	2.38	96	226961	45.304	ug/l	98
13) Acrolein	2.26	56	581894	1076.661	ug/l #	1
14) Allyl chloride	2.73	41	250125	30.642	ug/l	96
15) Acrylonitrile	3.15	53	789678	276.966	ug/l	90
16) Acetone	2.45	43	664246	260.376	ug/l	98
17) Carbon Disulfide	2.57	76	447981	34.867	ug/l	100
18) Methyl Acetate	2.78	43	501300	75.117	ug/l #	87
19) Methyl tert-butyl Ether	3.20	73	720597	44.398	ug/l #	4
20) Methylene Chloride	2.86	84	233362	44.743	ug/l	94
21) trans-1,2-Dichloroethene	3.17	96	206990	38.786	ug/l	94
22) Diisopropyl ether	3.87	45	801080	53.352	ug/l	97
23) Vinyl Acetate	3.82	43	3462252	277.875	ug/l	98
24) 1,1-Dichloroethane	3.70	63	419530	48.654	ug/l	98
25) 2-Butanone	4.70	43	1050858	289.450	ug/l	97
26) 2,2-Dichloropropane	4.59	77	301506	45.915	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	280615	48.142	ug/l	96
28) Bromochloromethane	5.02	49	197897	49.907	ug/l	93
29) Tetrahydrofuran	5.15	42	651611	285.375	ug/l	99
30) Chloroform	5.22	83	488152	54.253	ug/l	98
31) Cyclohexane	5.58	56	3216616	415.348	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	384417	50.615	ug/l	98
36) 1,1-Dichloropropene	5.80	75	309200	43.318	ug/l	97
37) Ethyl Acetate	4.85	43	380655	52.755	ug/l	98
38) Carbon Tetrachloride	5.78	117	318915	46.053	ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Sat Feb 02 01:32:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	1783428	206.507	ug/l	95
40) Benzene	6.15	78	967308	46.005	ug/l	98
41) Methacrylonitrile	5.06	41	234236	60.570	ug/l #	57
42) 1,2-Dichloroethane	6.20	62	371581	51.077	ug/l	92
43) Isopropyl Acetate	6.46	43	666634	59.856	ug/l	97
44) Trichloroethene	7.21	130	278703	44.011	ug/l	93
45) 1,2-Dichloropropane	7.52	63	263942	50.101	ug/l	98
46) Dibromomethane	7.66	93	185836	48.535	ug/l	94
47) Bromodichloromethane	7.90	83	337596	52.024	ug/l	98
48) Methyl methacrylate	7.77	41	320204	57.479	ug/l	100
49) 1,4-Dioxane	7.76	88	119637	944.700	ug/l #	94
51) 4-Methyl-2-Pentanone	8.66	43	2087156	284.673	ug/l	100
52) Toluene	8.79	92	23775561m	1752.597	ug/l	
53) t-1,3-Dichloropropene	9.04	75	230191	33.024	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	76857	10.027	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	287292	50.805	ug/l	97
56) Ethyl methacrylate	9.18	69	474202	60.546	ug/l	94
57) 1,3-Dichloropropane	9.37	76	467945	52.035	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	1186002	287.298	ug/l	98
59) 2-Hexanone	9.49	43	1582917	277.445	ug/l	100
60) Dibromochloromethane	9.59	129	299401	55.982	ug/l	99
61) 1,2-Dibromoethane	9.67	107	305644	51.038	ug/l	98
64) Tetrachloroethene	9.34	164	286237	41.250	ug/l	100
65) Chlorobenzene	10.14	112	729497	45.407	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	274911	51.038	ug/l	99
67) Ethyl Benzene	10.25	91	21819185m	843.354	ug/l	
68) m/p-Xylenes	10.36	106	21749162m	2114.768	ug/l	
69) o-Xylene	10.71	106	9611418	971.226	ug/l	67
70) Styrene	10.71	104	1439577	89.697	ug/l #	1
71) Bromoform	10.86	173	233751	49.521	ug/l	100
73) Isopropylbenzene	11.02	105	4158531	156.496	ug/l	99
74) N-amyl acetate	10.90	43	592529	57.650	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	428996	52.973	ug/l	98
76) 1,2,3-Trichloropropane	11.30	75	397823	52.303	ug/l #	30
77) Bromobenzene	11.26	156	341992	45.678	ug/l	94
78) n-propylbenzene	11.36	91	9494504	325.838	ug/l	99
79) 2-Chlorotoluene	11.44	91	4612741m	260.890	ug/l	
80) 1,3,5-Trimethylbenzene	11.51	105	10247181	471.356	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.08	75	3028m	5.355	ug/l	
82) 4-Chlorotoluene	11.51	91	2082494	101.791	ug/l #	70
83) tert-Butylbenzene	11.77	119	1046246	48.609	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	16237807m	735.709	ug/l	
85) sec-Butylbenzene	11.94	105	1490412	57.213	ug/l	94
86) p-Isopropyltoluene	12.07	119	1263554	53.732	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	614338	45.721	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	613223	44.984	ug/l	98
89) n-Butylbenzene	12.38	91	2021206	99.915	ug/l #	60
90) Hexachloroethane	12.59	117	501852	142.595	ug/l #	37
91) 1,2-Dichlorobenzene	12.39	146	611783	45.751	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	128135	76.095	ug/l	72

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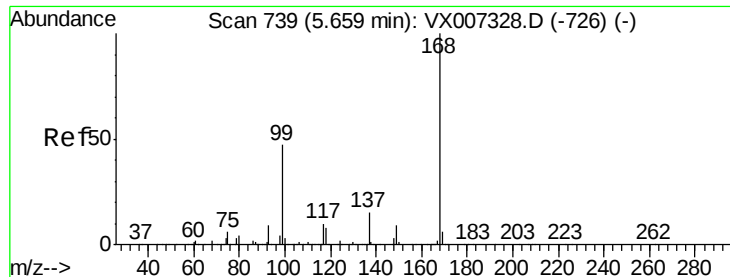
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	459237	50.925	ug/l	94
94) Hexachlorobutadiene	13.78	225	190642	43.536	ug/l	99
95) Naphthalene	13.83	128	13841437	524.865	ug/l #	86
96) 1,2,3-Trichlorobenzene	14.02	180	456905	50.334	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX007616.D

Acq: 19 Feb 2019 16:30

Instrument :

MSVOA_X

ClientSampled :

MW-1MS

Tot Ion:168 Resp: 524694

Ion Ratio Lower Upper

168 100

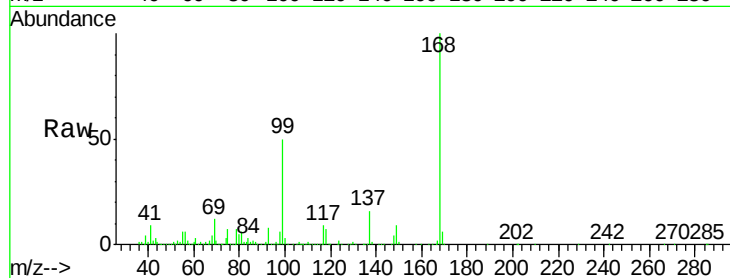
99 50.0 37.9 56.9

Manual Integrations

APPROVED

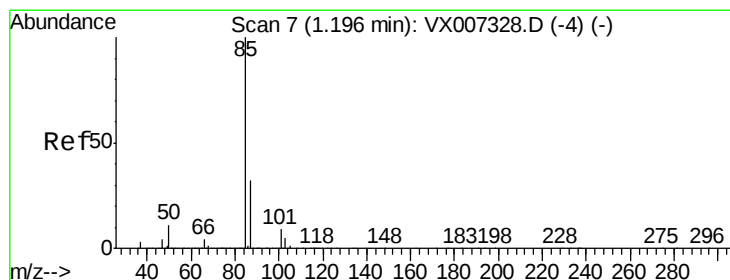
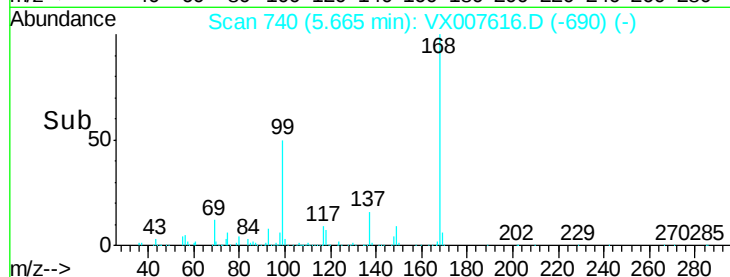
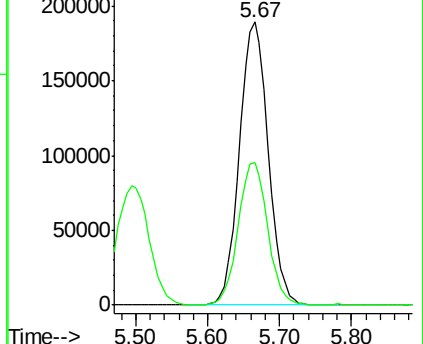
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 41.315 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX007616.D

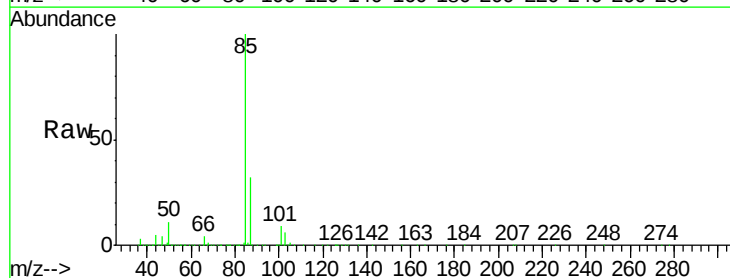
Acq: 19 Feb 2019 16:30

Tgt Ion: 85 Resp: 266181

Ion Ratio Lower Upper

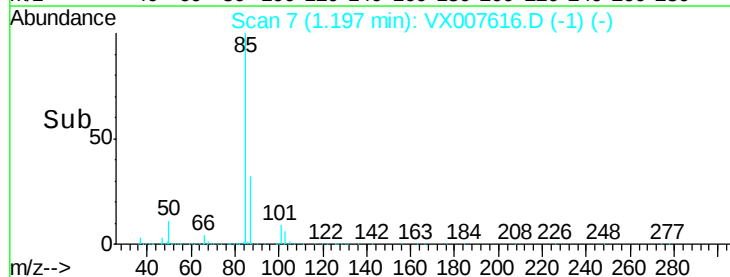
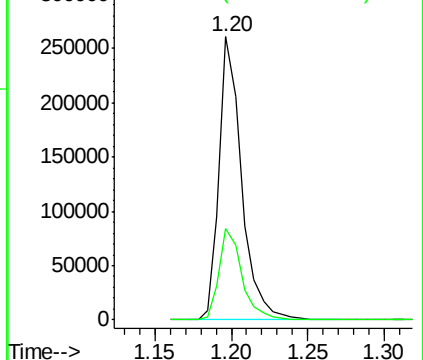
85 100

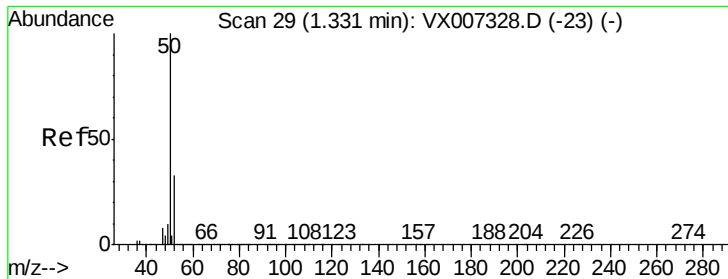
87 32.4 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 53.007 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.01 min

Lab File: VX007616.D

Acq: 19 Feb 2019 16:30

Instrument :

MSVOA_X

ClientSampleId :

MW-1MS

Tot Ion: 50 Resp: 313266

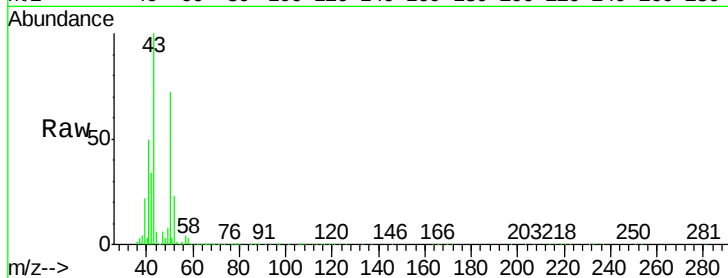
Ion Ratio Lower Upper

50 100

52 32.1 26.1 39.1

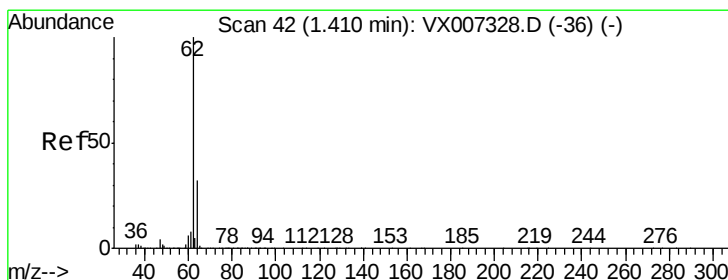
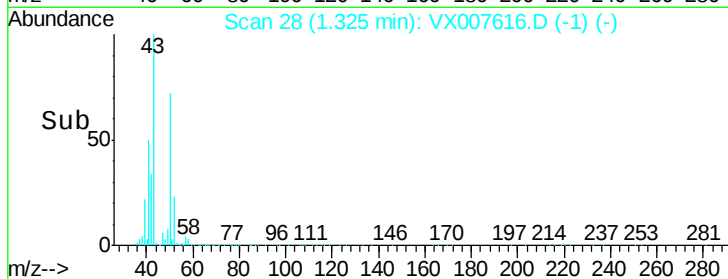
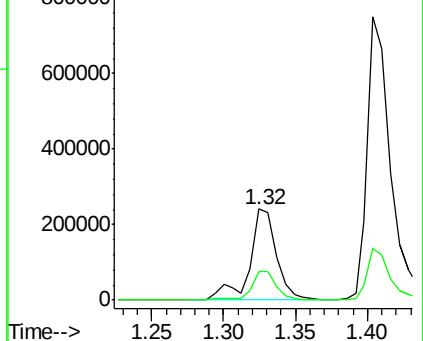
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 61.707 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.01 min

Lab File: VX007616.D

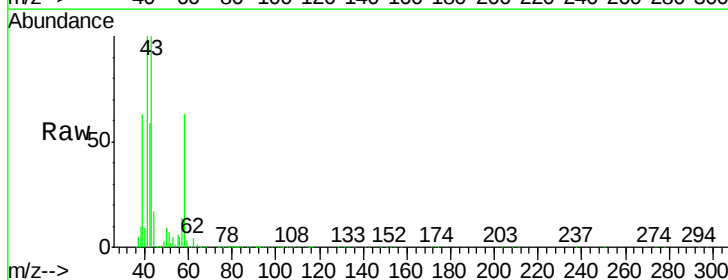
Acq: 19 Feb 2019 16:30

Tgt Ion: 62 Resp: 357765

Ion Ratio Lower Upper

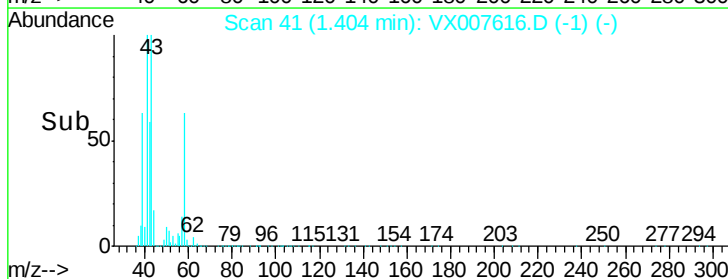
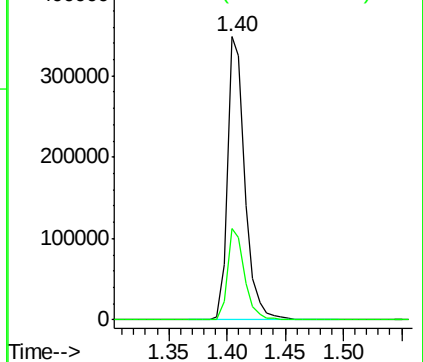
62 100

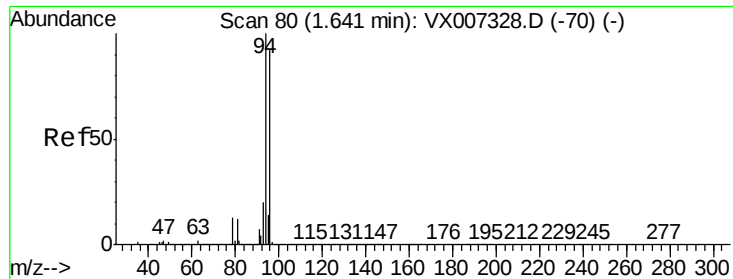
64 32.0 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 3.308 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX007616.D

Acq: 19 Feb 2019 16:30

Instrument :

MSVOA_X

ClientSampleId :

MW-1MS

Tot Ion: 94 Resp: 21592

Ion Ratio Lower Upper

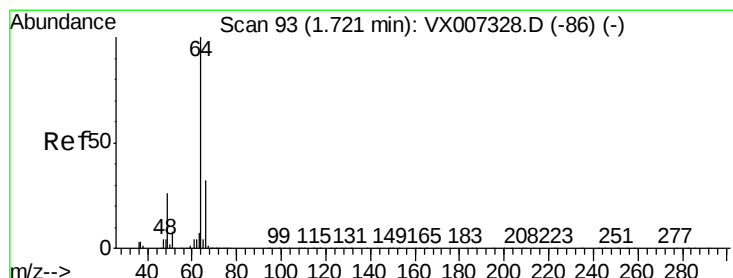
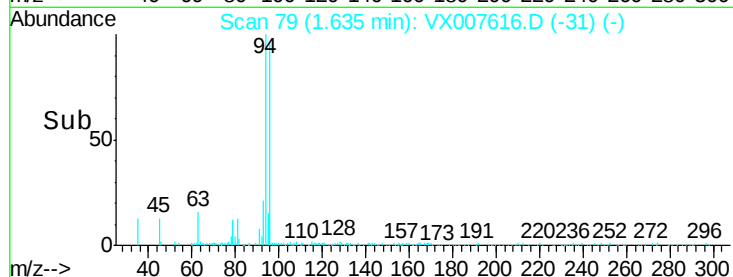
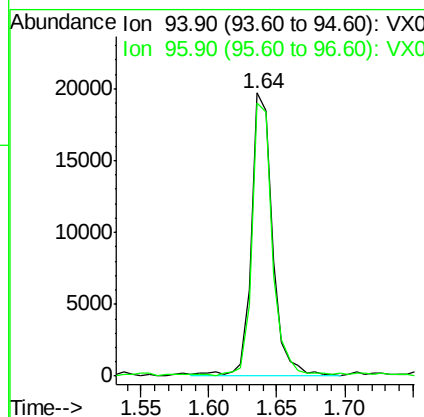
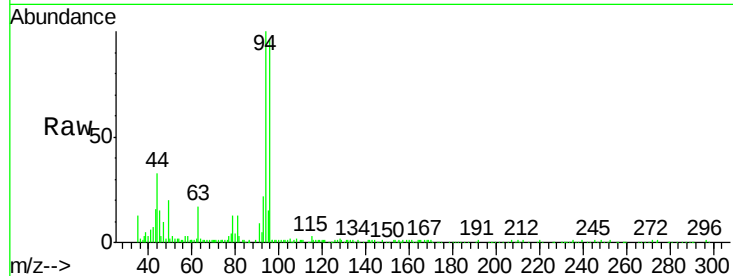
94 100

96 95.7 73.9 110.9

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#6

Chloroethane

Concen: 47.602 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.01 min

Lab File: VX007616.D

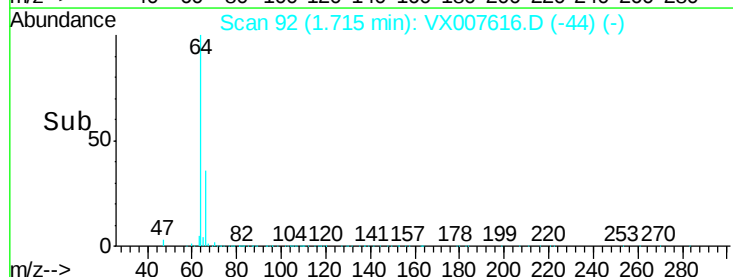
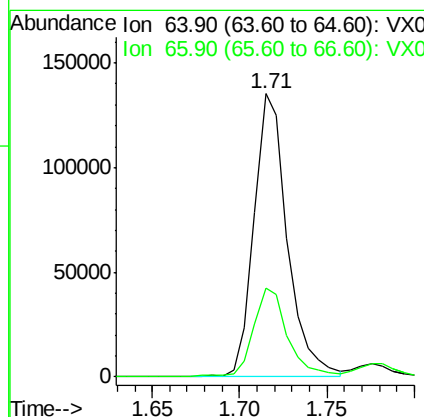
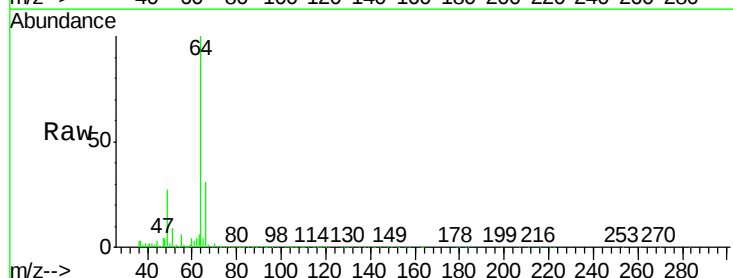
Acq: 19 Feb 2019 16:30

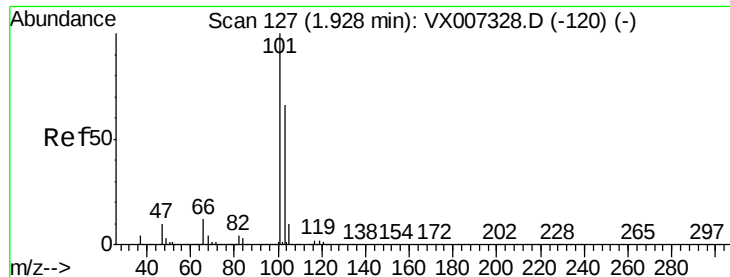
Tgt Ion: 64 Resp: 178533

Ion Ratio Lower Upper

64 100

66 31.1 25.5 38.3





#7

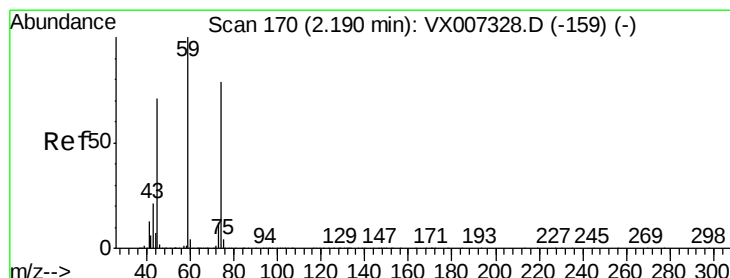
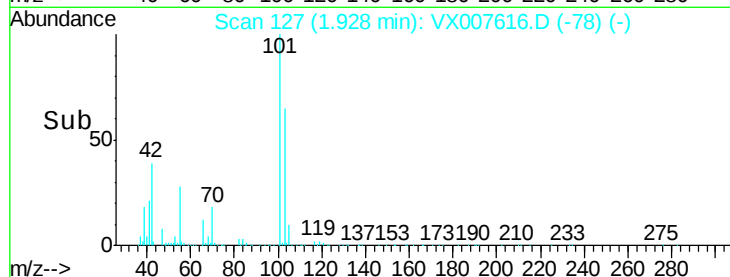
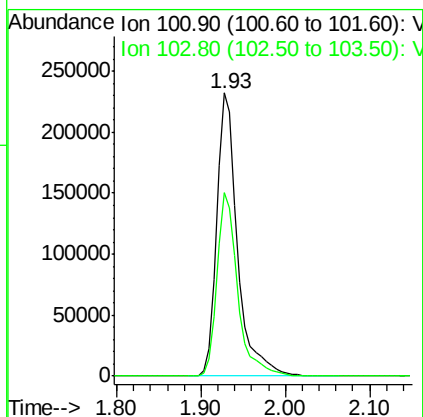
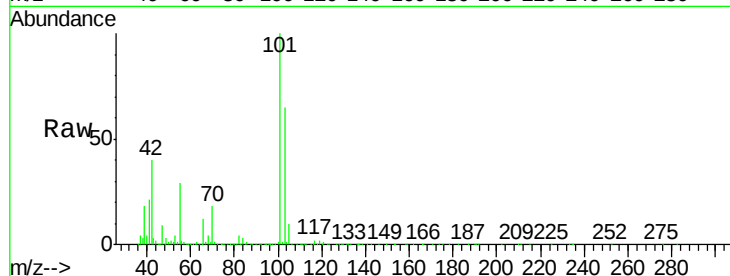
Trichlorofluoromethane
Concen: 43.625 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.00 min
Lab File: VX007616.D
Acq: 19 Feb 2019 16:30

Instrument :
MSVOA_X
ClientSampled :
MW-1MS

Tot Ion	Ion	Ratio	Lower	Upper
101	100			
103	64.6	52.6	79.0	

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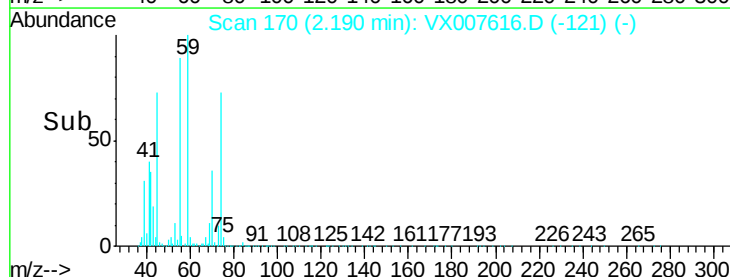
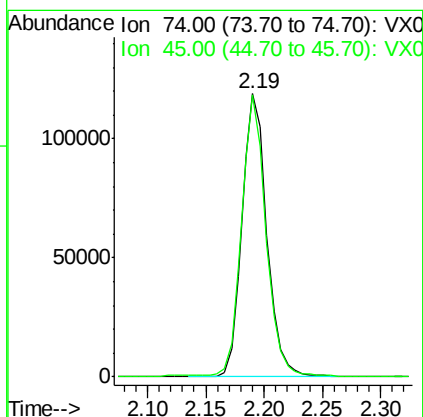
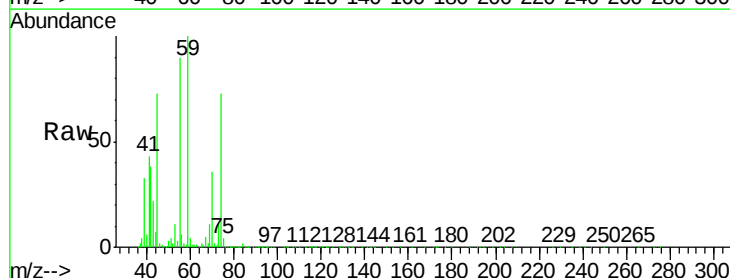
MMDadoda
2/20/2019 10:34:52 AM

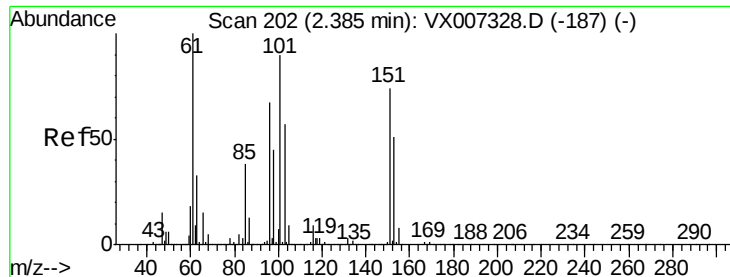


#8

Diethyl Ether
Concen: 51.645 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX007616.D
Acq: 19 Feb 2019 16:30

Tgt Ion	Ion	Ratio	Lower	Upper
74	100			
45	98.3	45.7	137.1	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 41.798 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX007616.D

Acq: 19 Feb 2019 16:30

Instrument :

MSVOA_X

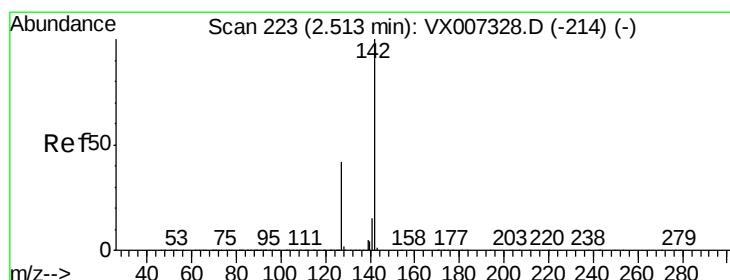
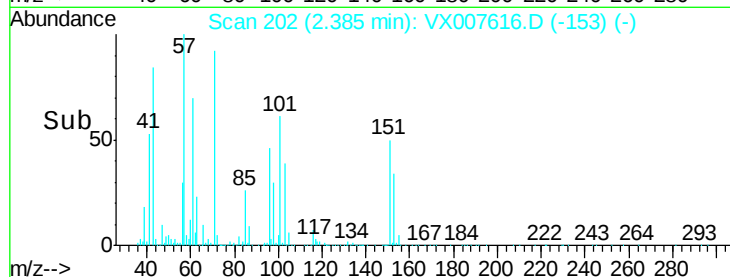
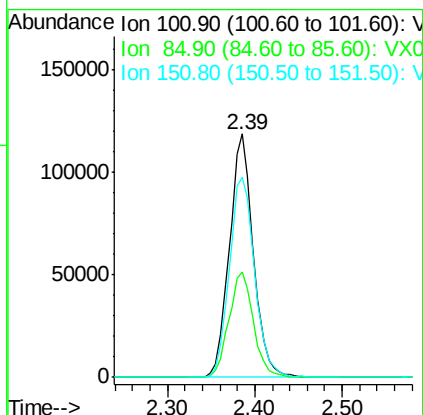
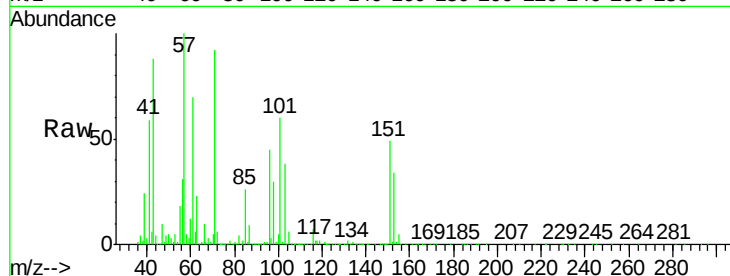
ClientSampleId :

MW-1MS

Tot Ion:	101	Resp:	225499
Ion Ratio	Lower	Upper	
101	100		
85	44.7	34.1	51.1
151	87.3	69.9	104.9

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#10

Methyl Iodide

Concen: 2.808 ug/l

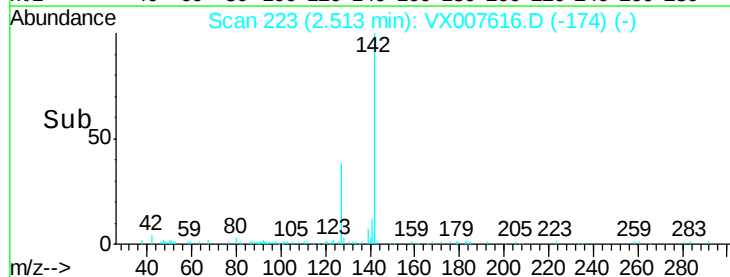
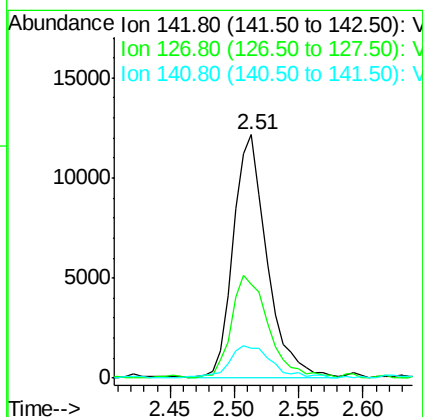
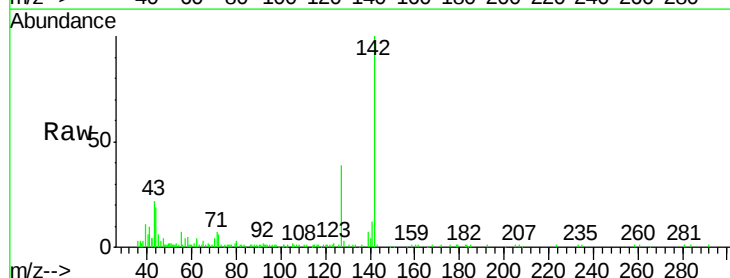
RT: 2.51 min Scan# 223

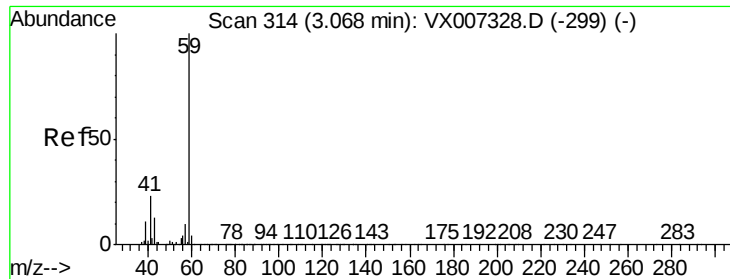
Delta R.T. 0.00 min

Lab File: VX007616.D

Acq: 19 Feb 2019 16:30

Tgt Ion:	142	Resp:	22288
Ion Ratio	Lower	Upper	
142	100		
127	46.2	33.7	50.5
141	17.1	11.3	16.9#





#11

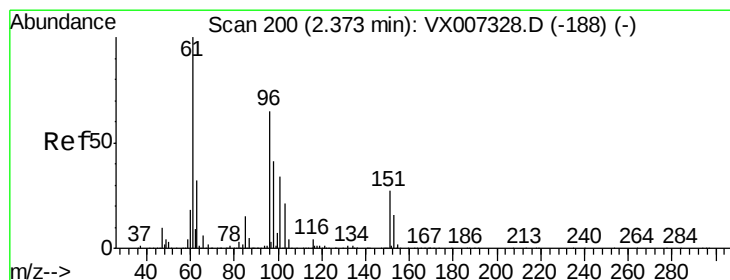
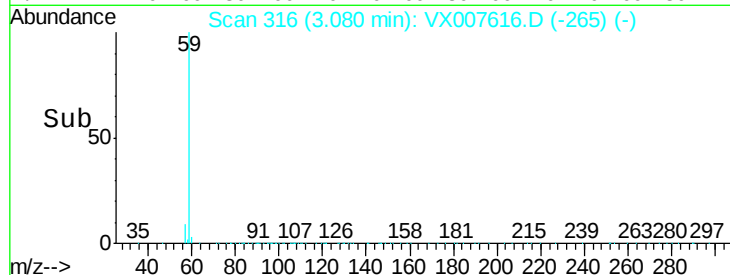
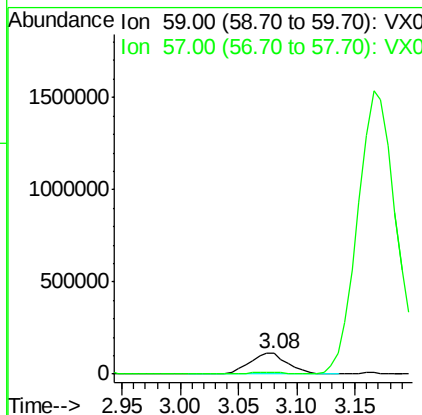
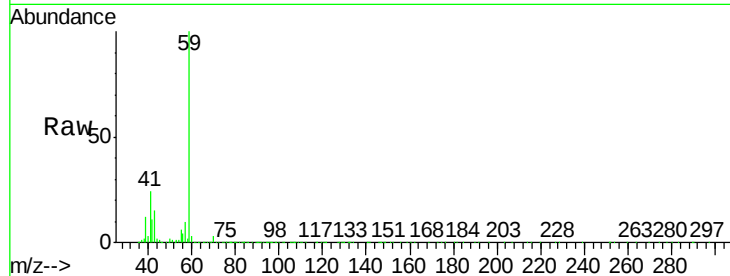
Tert butyl alcohol
Concen: 227.863 ug/l
RT: 3.08 min Scan# 316
Delta R.T. 0.01 min
Lab File: VX007616.D
Acq: 19 Feb 2019 16:30

Instrument :
MSVOA_X
ClientSampleId :
MW-1MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100	262623		
57	57	0.0	8.1	12.1	#

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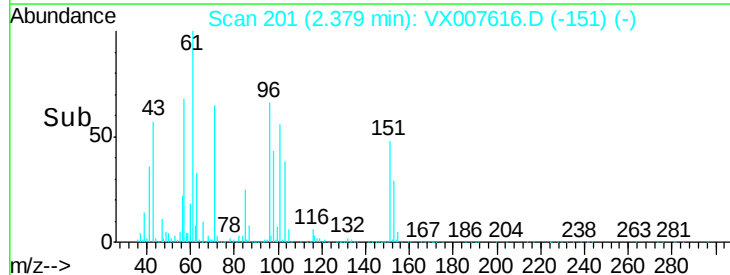
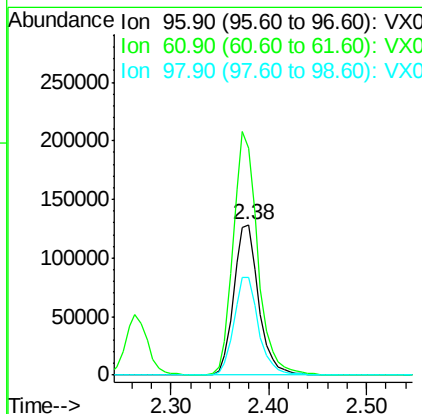
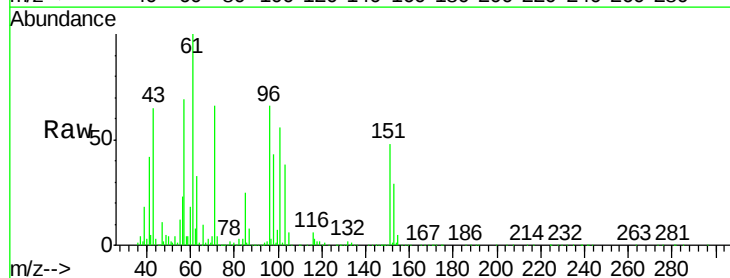
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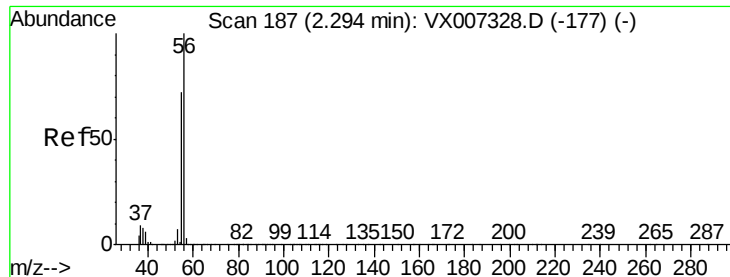


#12

1,1-Dichloroethene
Concen: 45.304 ug/l
RT: 2.38 min Scan# 201
Delta R.T. 0.01 min
Lab File: VX007616.D
Acq: 19 Feb 2019 16:30

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100	226961		
61	61	150.2	123.0	184.4	
98	98	64.9	50.9	76.3	





#13

Acrolein

Concen: 1076.661 ug/l

RT: 2.26 min Scan# 182

Delta R.T. -0.03 min

Lab File: VX007616.D

Acq: 19 Feb 2019 16:30

Instrument :

MSVOA_X

ClientSampleId :

MW-1MS

Tot Ion: 56 Resp: 581894

Ion Ratio Lower Upper

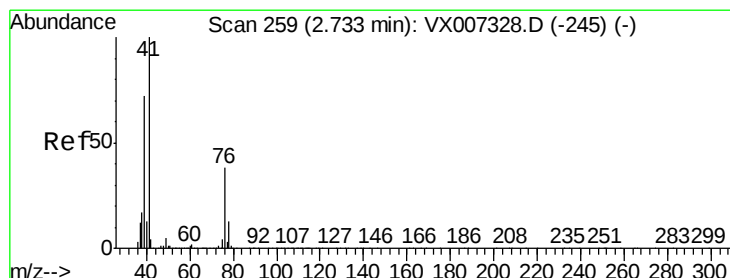
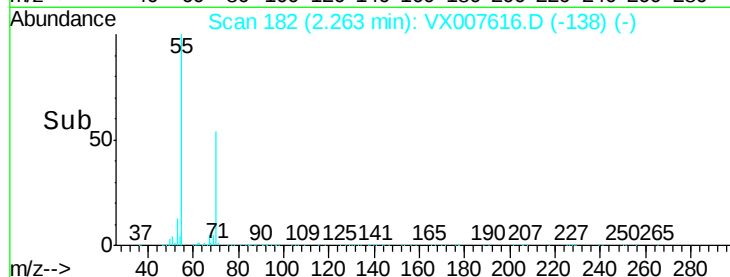
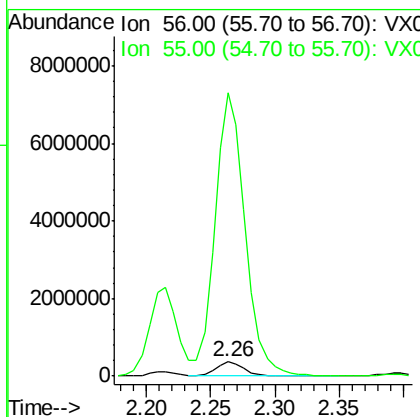
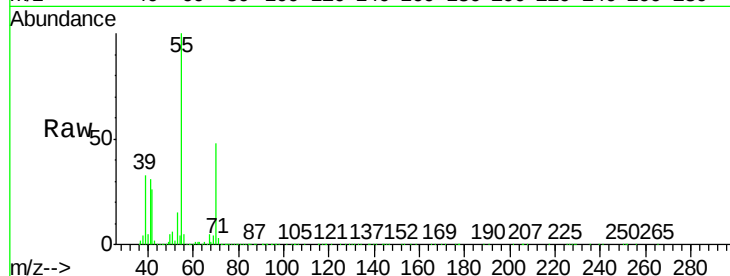
56 100

55 2030.5 56.9 85.3

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#14

Allyl chloride

Concen: 30.642 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.01 min

Lab File: VX007616.D

Acq: 19 Feb 2019 16:30

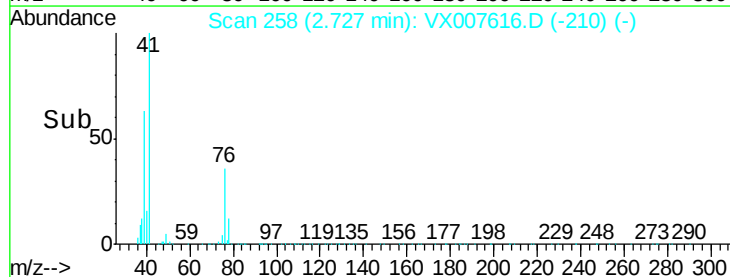
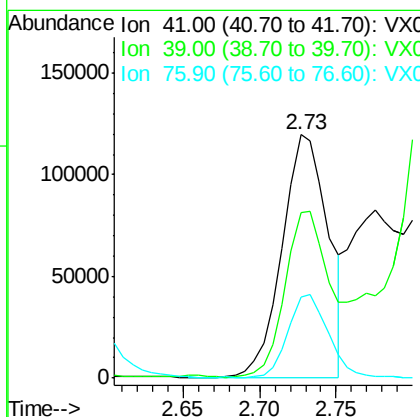
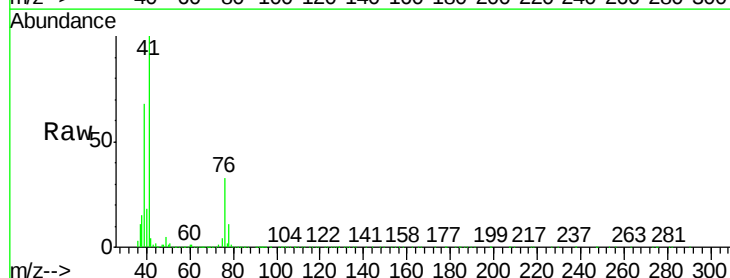
Tgt Ion: 41 Resp: 250125

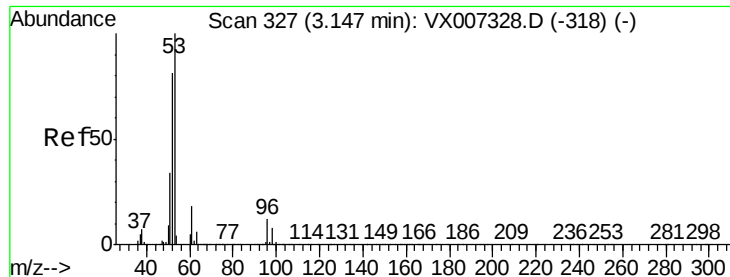
Ion Ratio Lower Upper

41 100

39 68.8 54.1 81.1

76 30.0 27.8 41.8





#15

Acrylonitrile

Concen: 276.966 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX007616.D

Acq: 19 Feb 2019 16:30

Instrument :

MSVOA_X

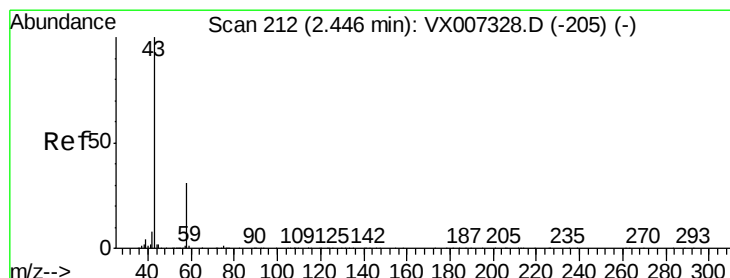
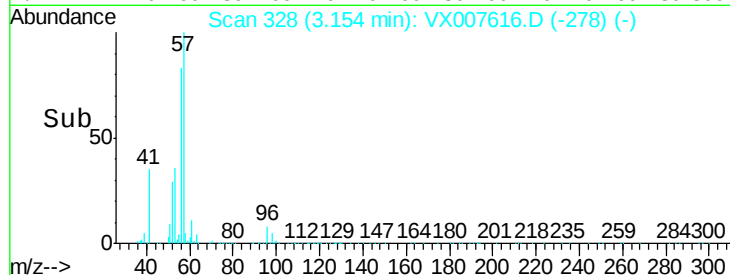
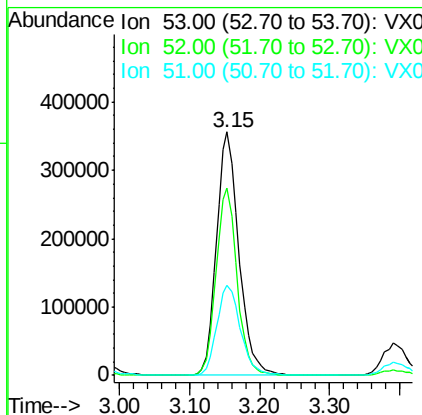
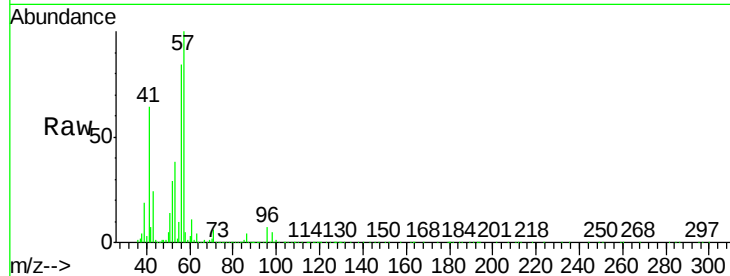
ClientSampleId :

MW-1MS

Tot Ion:	53	Resp:	789678
Ion Ratio		Lower	Upper
53	100		
52	71.9	66.4	99.6
51	39.1	28.4	42.6

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#16

Acetone

Concen: 260.376 ug/l

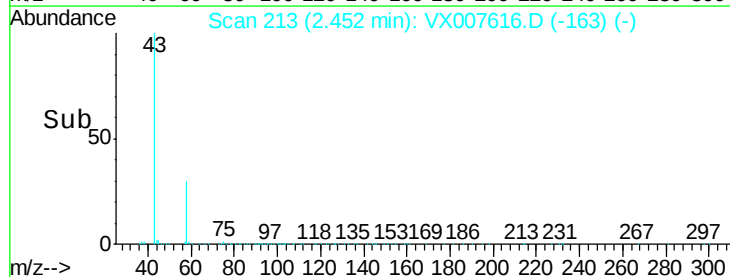
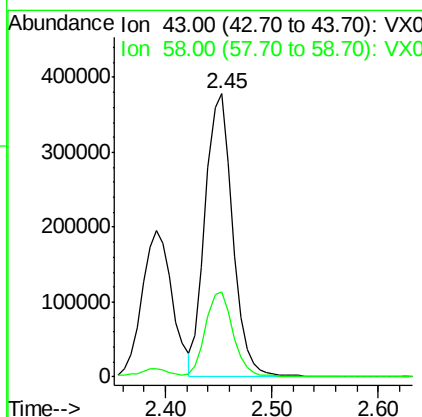
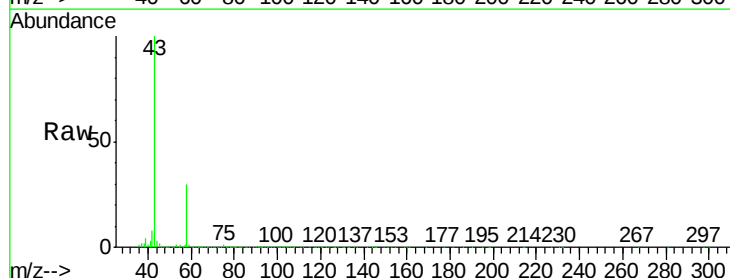
RT: 2.45 min Scan# 213

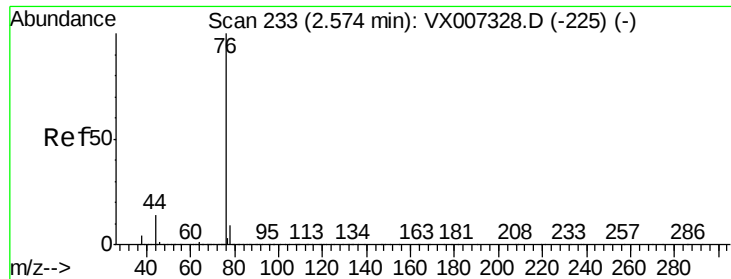
Delta R.T. 0.01 min

Lab File: VX007616.D

Acq: 19 Feb 2019 16:30

Tgt Ion:	43	Resp:	664246
Ion Ratio		Lower	Upper
43	100		
58	29.9	24.9	37.3





#17

Carbon Disulfide

Concen: 34.867 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.01 min

Lab File: VX007616.D

Acq: 19 Feb 2019 16:30

Instrument :

MSVOA_X

ClientSampled :

MW-1MS

Tot Ion: 76 Resp: 447981

Ion Ratio Lower Upper

76 100

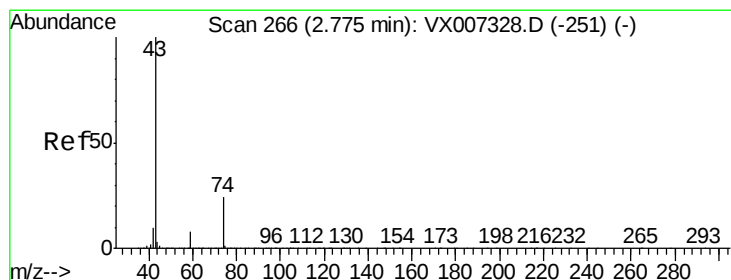
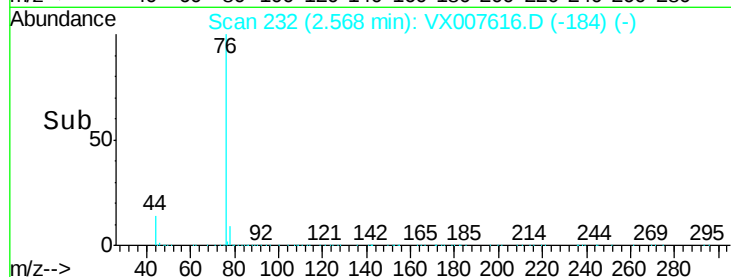
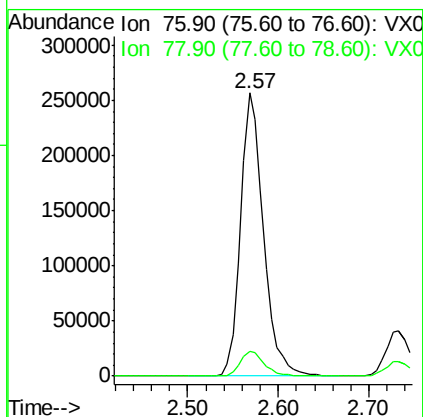
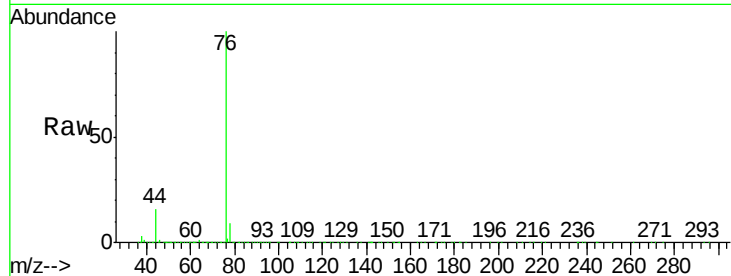
78 8.9 7.1 10.7

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#18

Methyl Acetate

Concen: 75.117 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.01 min

Lab File: VX007616.D

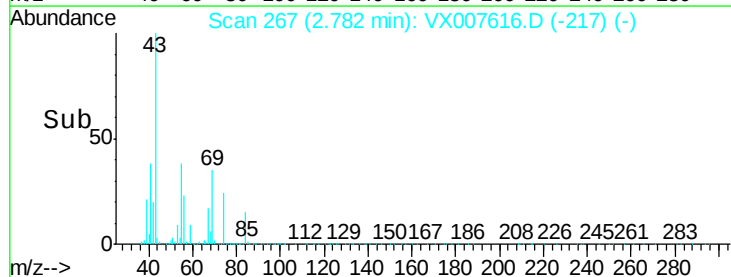
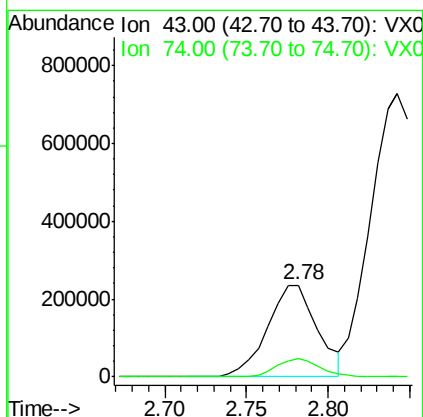
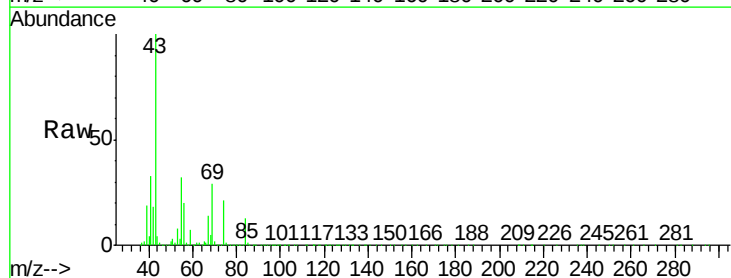
Acq: 19 Feb 2019 16:30

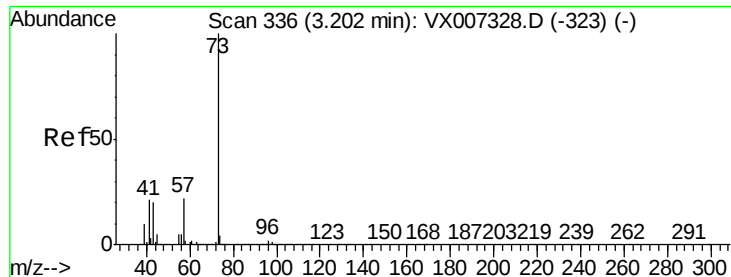
Tgt Ion: 43 Resp: 501300

Ion Ratio Lower Upper

43 100

74 17.7 19.4 29.2#





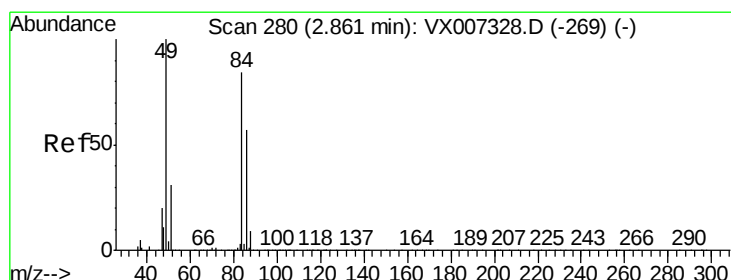
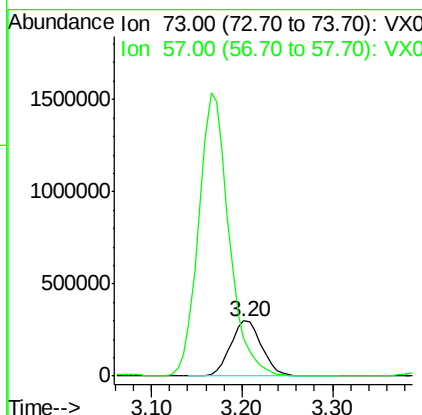
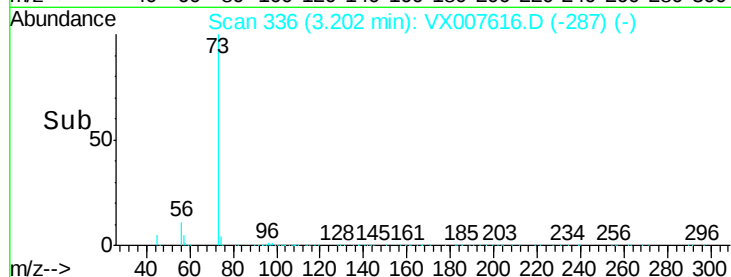
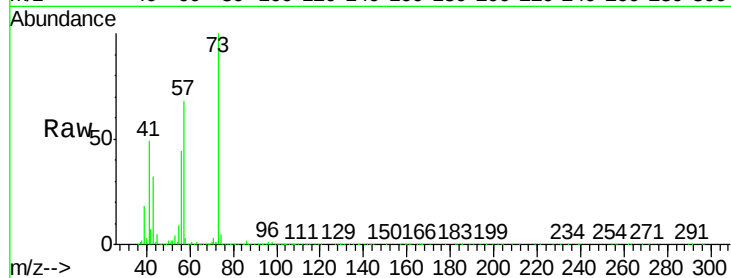
#19
Methvl tert-butvl Ether
Concen: 44.398 ug/l
RT: 3.20 min Scan# 336
Delta R.T. 0.00 min
Lab File: VX007616.D
Acq: 19 Feb 2019 16:30

Instrument :
MSVOA_X
ClientSampleId :
MW-1MS

Tot Ion: 73 Resp: 720597
Ion Ratio Lower Upper
73 100
57 68.3 17.8 26.8#

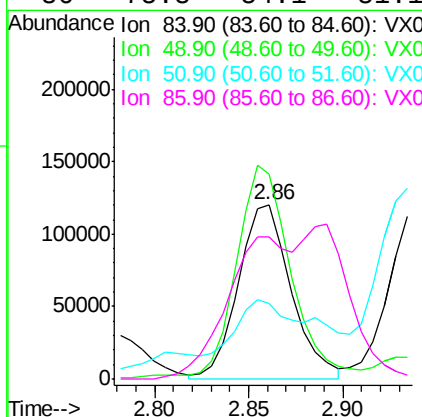
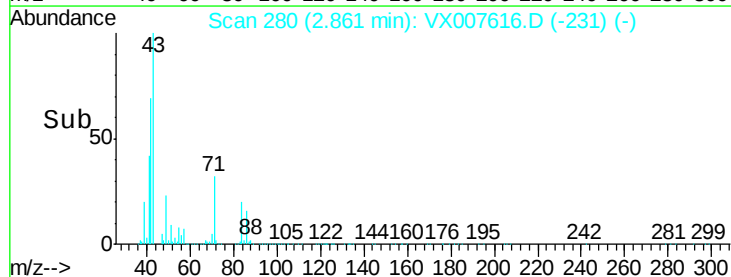
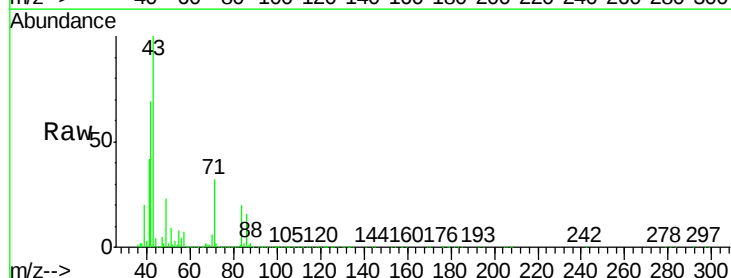
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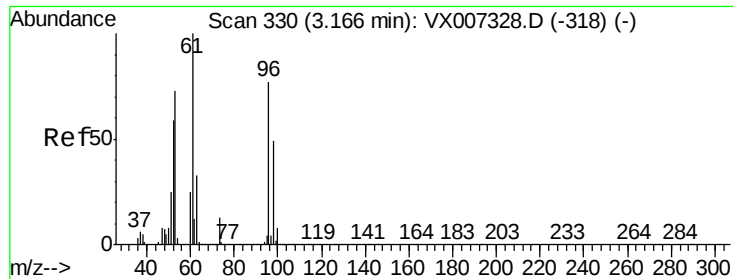
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#20
Methylene Chloride
Concen: 44.743 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX007616.D
Acq: 19 Feb 2019 16:30

Tgt Ion: 84 Resp: 233362
Ion Ratio Lower Upper
84 100
49 117.7 94.8 142.2
51 30.0 29.8 44.8
86 75.8 54.1 81.1





#21

trans-1,2-Dichloroethene

Concen: 38.786 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX007616.D

Acq: 19 Feb 2019 16:30

Instrument :

MSVOA_X

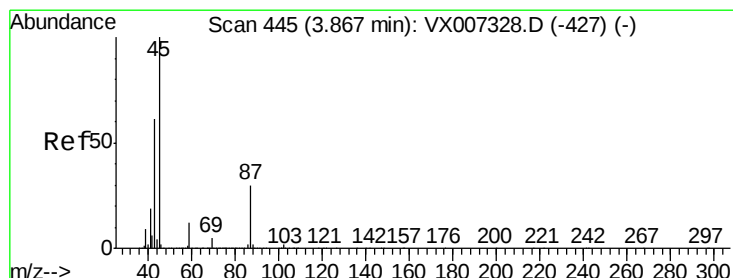
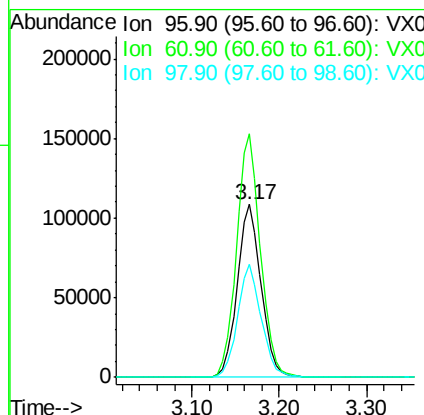
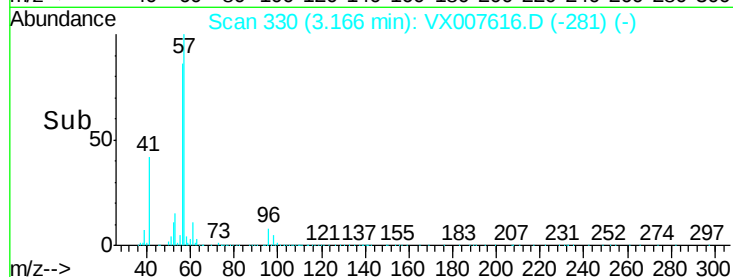
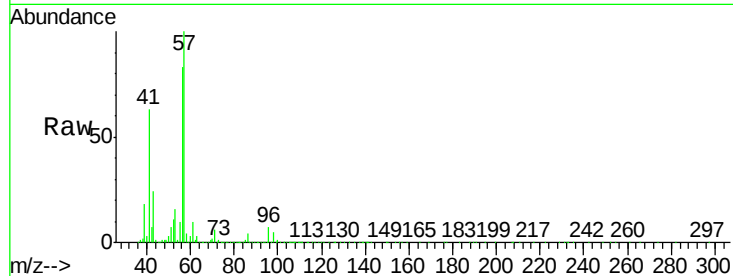
ClientSampleId :

MW-1MS

Tot Ion:	96	Resp:	206990
Ion Ratio	Lower	Upper	
96	100		
61	140.7	104.6	156.8
98	65.4	51.0	76.4

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#22

Diisopropyl ether

Concen: 53.352 ug/l

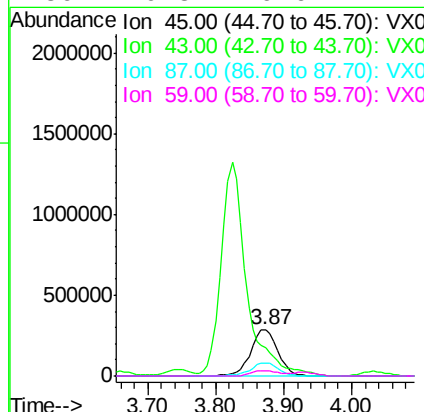
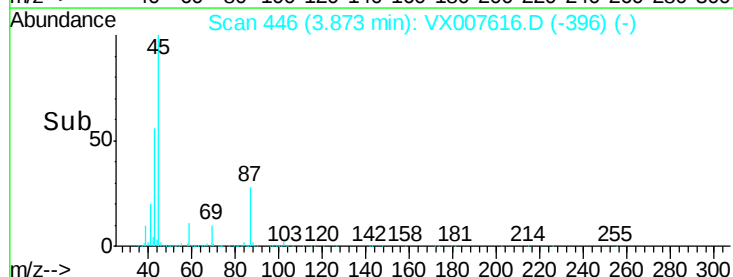
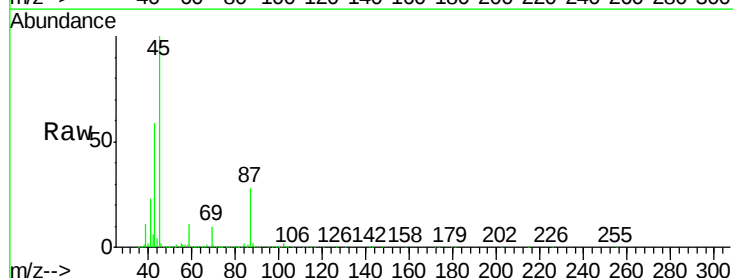
RT: 3.87 min Scan# 446

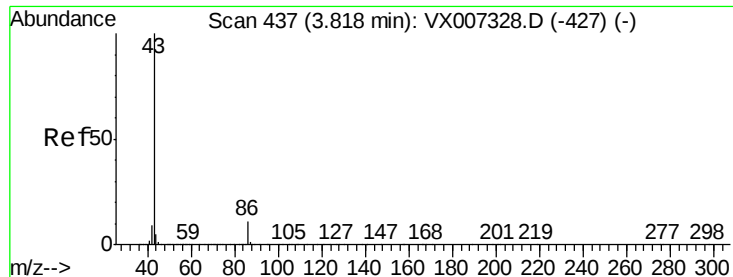
Delta R.T. 0.01 min

Lab File: VX007616.D

Acq: 19 Feb 2019 16:30

Tgt Ion:	45	Resp:	801080
Ion Ratio	Lower	Upper	
45	100		
43	58.5	48.9	73.3
87	28.4	23.9	35.9
59	10.8	9.6	14.4





#23

Vinyl Acetate

Concen: 277.875 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.01 min

Lab File: VX007616.D

Acq: 19 Feb 2019 16:30

Instrument :

MSVOA_X

ClientSampled :

MW-1MS

Tot Ion: 43 Resp: 3462252

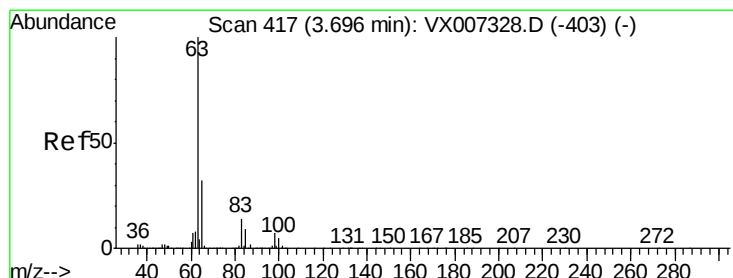
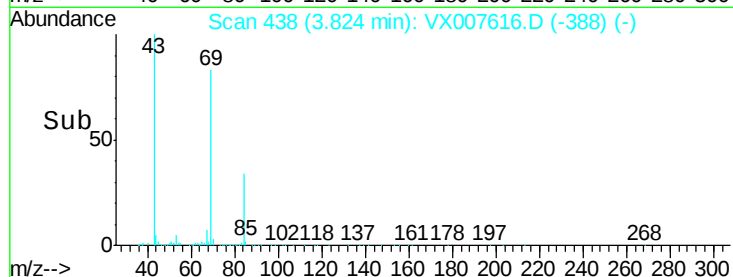
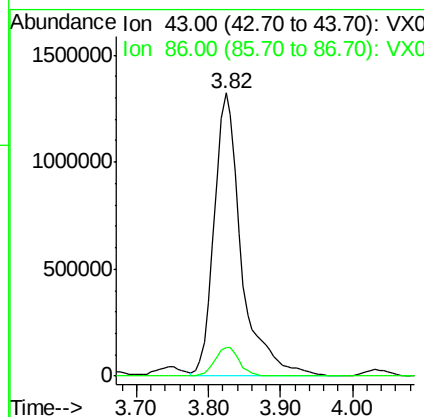
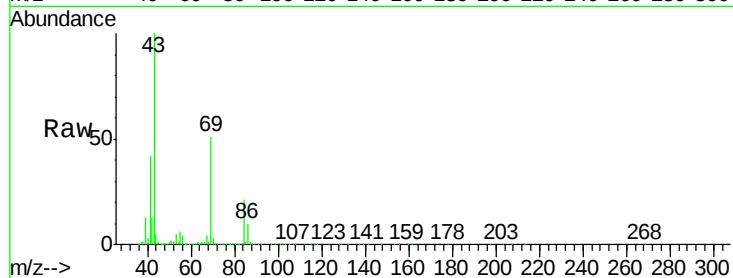
Ion Ratio Lower Upper

43 100

86 10.3 8.7 13.1

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#24

1,1-Dichloroethane

Concen: 48.654 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX007616.D

Acq: 19 Feb 2019 16:30

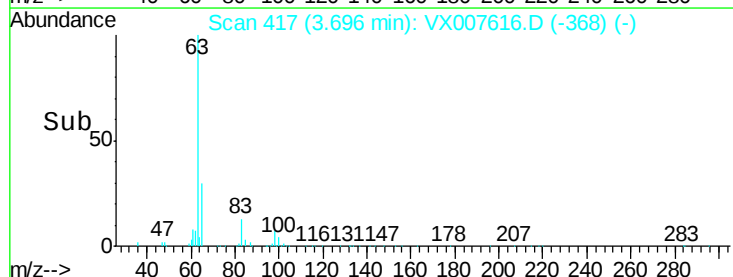
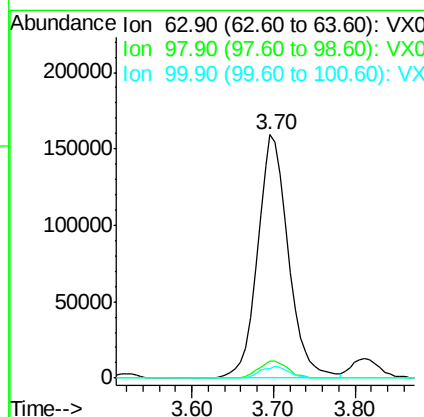
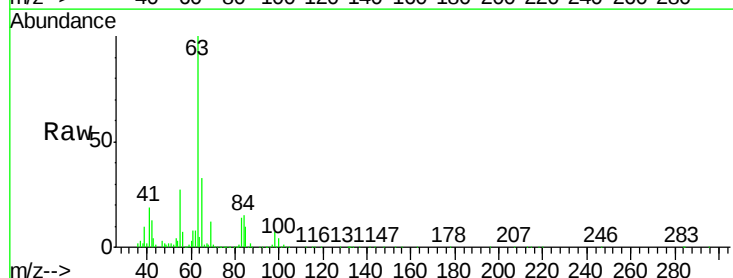
Tgt Ion: 63 Resp: 419530

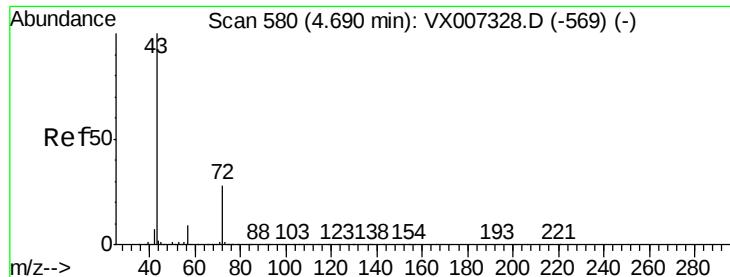
Ion Ratio Lower Upper

63 100

98 6.9 3.6 10.8

100 4.0 2.5 7.4





#25

2-Butanone

Concen: 289.450 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.01 min

Lab File: VX007616.D

Acq: 19 Feb 2019 16:30

Instrument :

MSVOA_X

ClientSampleId :

MW-1MS

Tot Ion: 43 Resp: 1050858

Ion Ratio Lower Upper

43 100

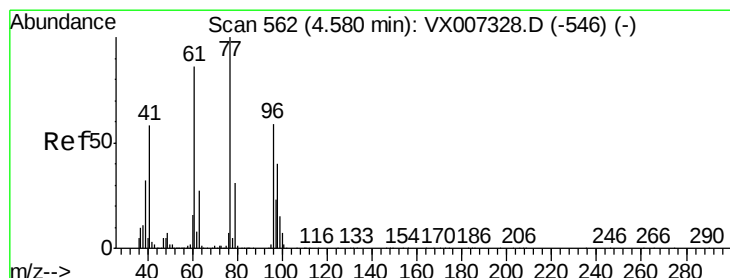
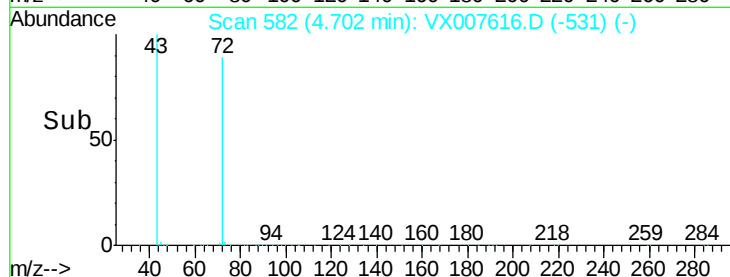
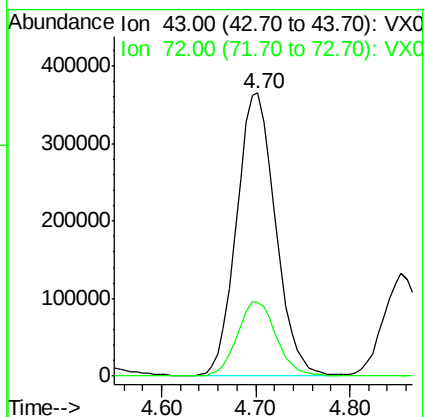
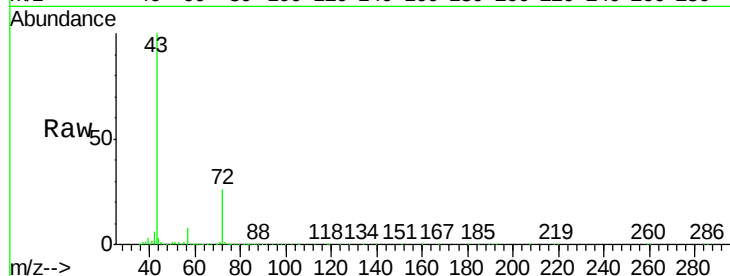
72 26.0 22.2 33.2

Manual Integrations

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2/20/2019 10:34:52 AM



#26

2,2-Dichloropropane

Concen: 45.915 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX007616.D

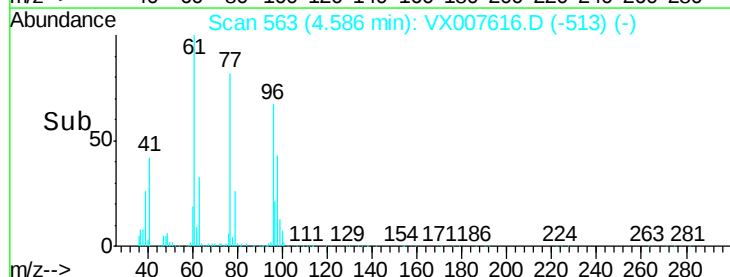
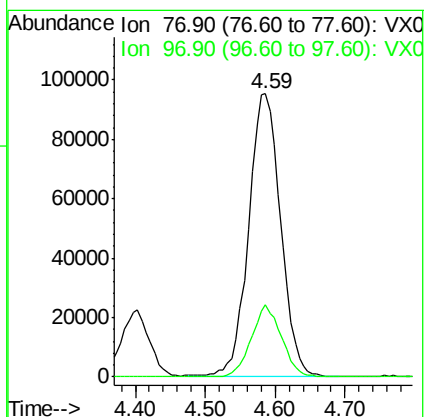
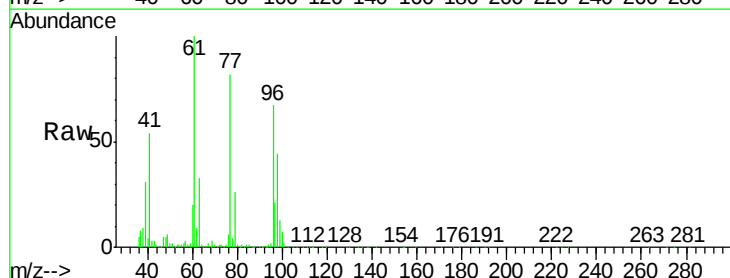
Acq: 19 Feb 2019 16:30

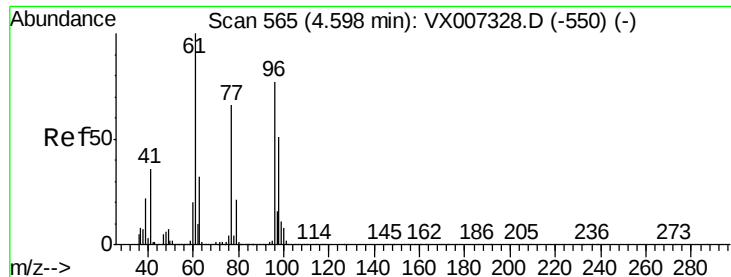
Tgt Ion: 77 Resp: 301506

Ion Ratio Lower Upper

77 100

97 24.2 12.1 36.3





#27

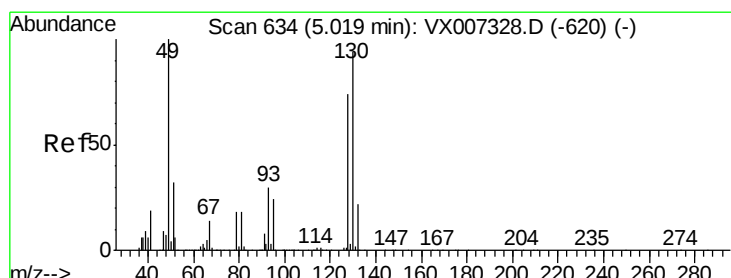
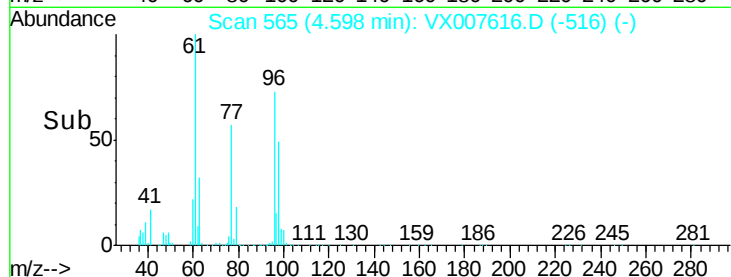
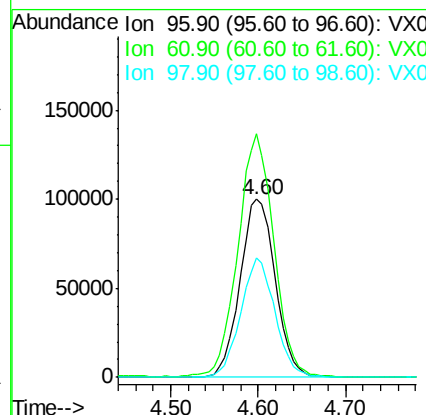
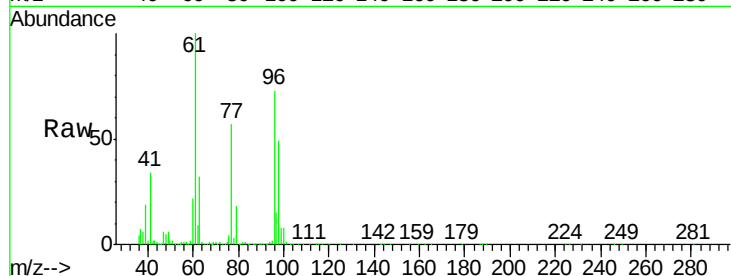
cis-1,2-Dichloroethene
Concen: 48.142 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX007616.D
Acq: 19 Feb 2019 16:30

Instrument :
MSVOA_X
ClientSampleId :
MW-1MS

Tot Ion	Ratio	Resp	Lower	Upper
96	100	280615		
61	138.8		0.0	265.6
98	64.6		0.0	131.6

Manual Integrations
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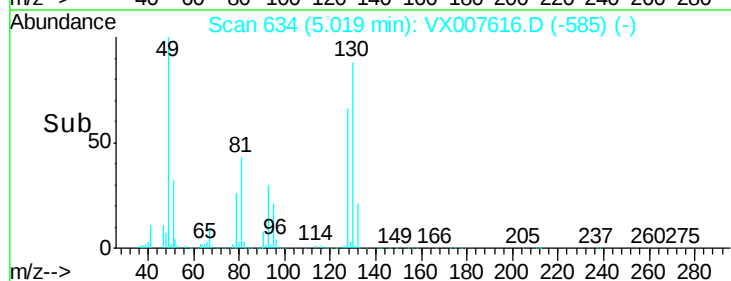
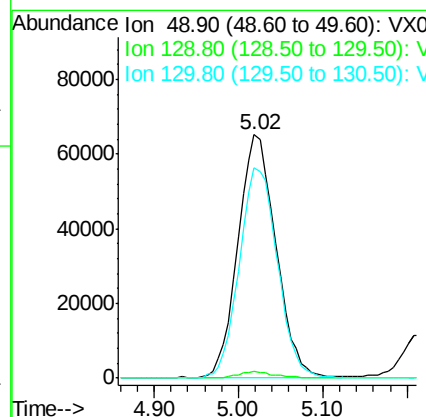
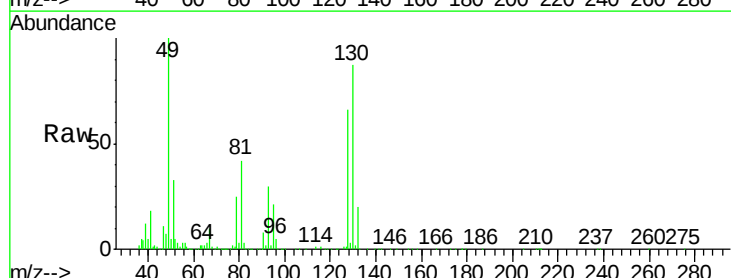
MMDadoda
2/20/2019 10:34:52 AM



#28

Bromochloromethane
Concen: 49.907 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX007616.D
Acq: 19 Feb 2019 16:30

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	197897		
129	2.6		0.0	5.6
130	87.3		75.6	113.4





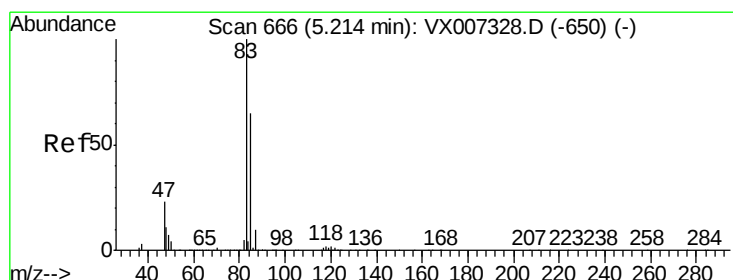
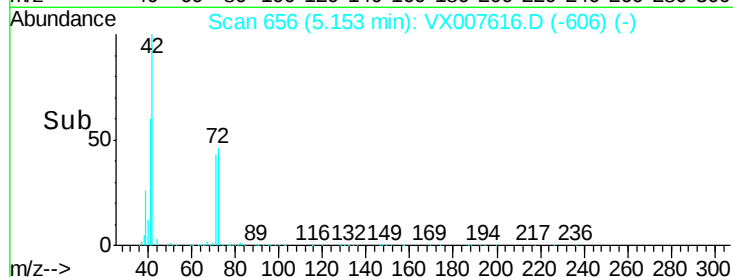
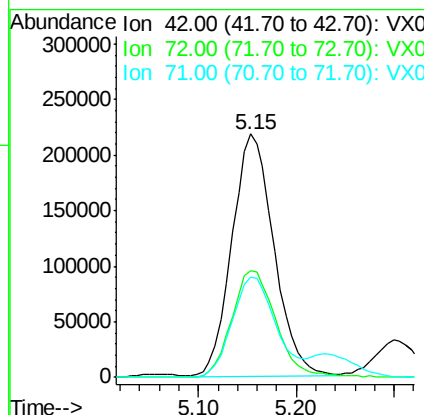
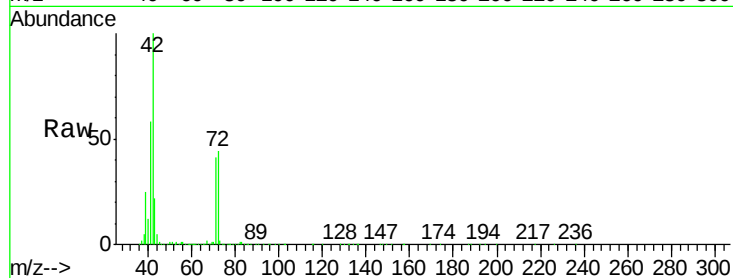
#29
Tetrahydrofuran
Concen: 285.375 ug/l
RT: 5.15 min Scan# 656
Delta R.T. 0.01 min
Lab File: VX007616.D
Acq: 19 Feb 2019 16:30

Instrument :
MSVOA_X
ClientSampleId :
MW-1MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.4	37.6	56.4
71	43.4	34.6	51.8

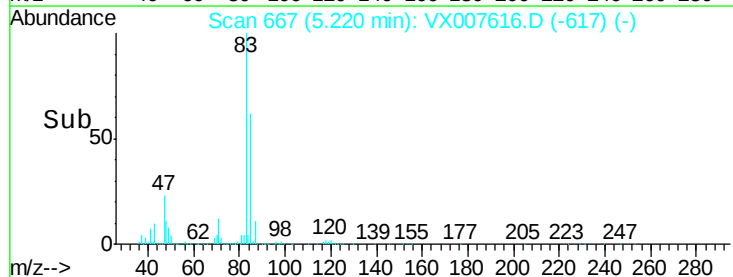
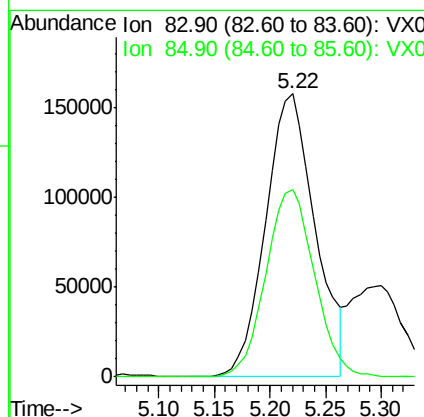
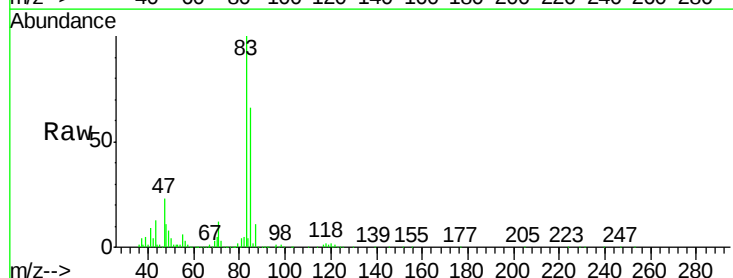
Manual Integrations
APPROVED

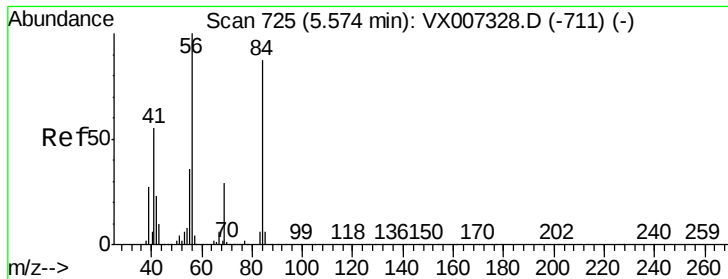
MMDadoda
2/20/2019 10:34:52 AM



#30
Chloroform
Concen: 54.253 ug/l
RT: 5.22 min Scan# 667
Delta R.T. 0.01 min
Lab File: VX007616.D
Acq: 19 Feb 2019 16:30

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.3	51.6	77.4





#31

Cyclohexane

Concen: 415.348 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.01 min

Lab File: VX007616.D

Acq: 19 Feb 2019 16:30

Instrument :

MSVOA_X

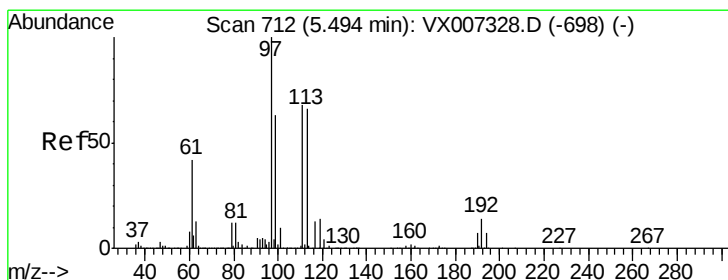
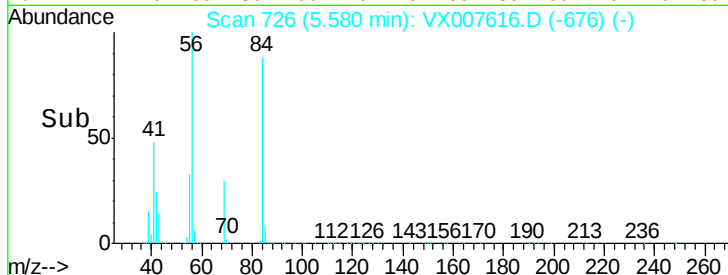
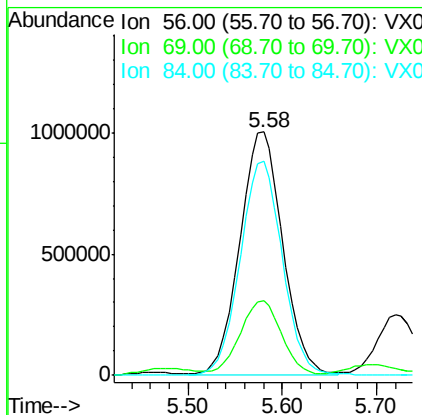
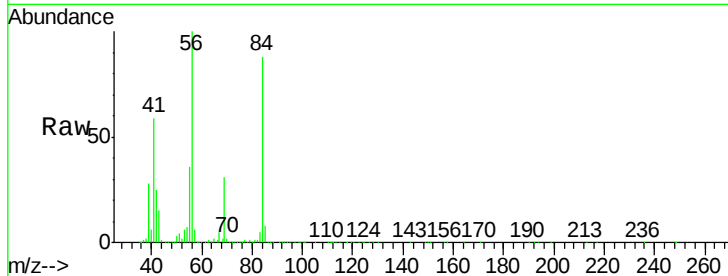
ClientSampled :

MW-1MS

Tot Ion:	56	Resp:	3216616
Ion	Ratio	Lower	Upper
56	100		
69	29.0	23.0	34.6
84	88.3	69.8	104.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 50.615 ug/l

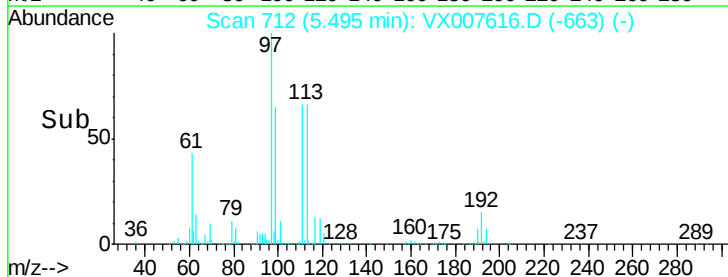
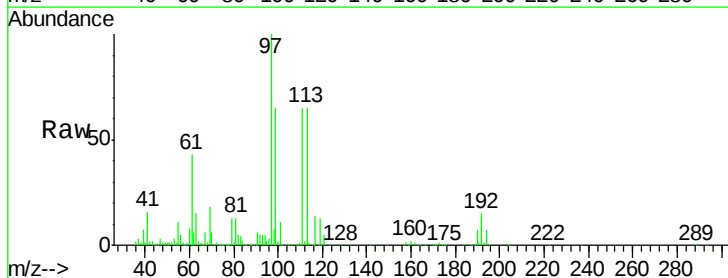
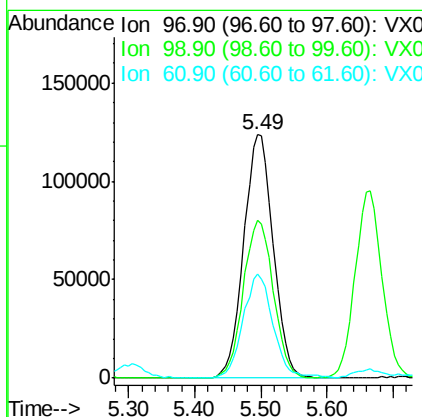
RT: 5.49 min Scan# 712

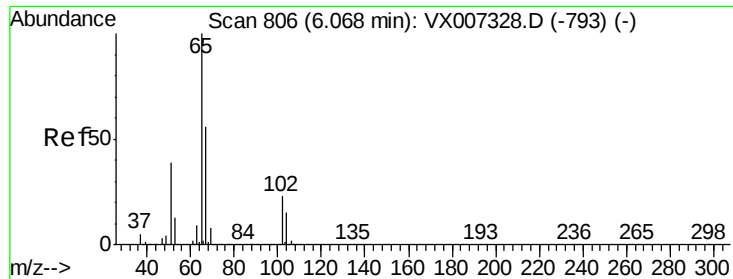
Delta R.T. 0.00 min

Lab File: VX007616.D

Acq: 19 Feb 2019 16:30

Tgt Ion:	97	Resp:	384417
Ion	Ratio	Lower	Upper
97	100		
99	66.0	52.2	78.2
61	43.1	32.7	49.1





#33

1,2-Dichloroethane-d4

Concen: 55.967 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX007616.D

Acq: 19 Feb 2019 16:30

Instrument :

MSVOA_X

ClientSampled :

MW-1MS

Tot Ion: 65 Resp: 311691

Ion Ratio Lower Upper

65 100

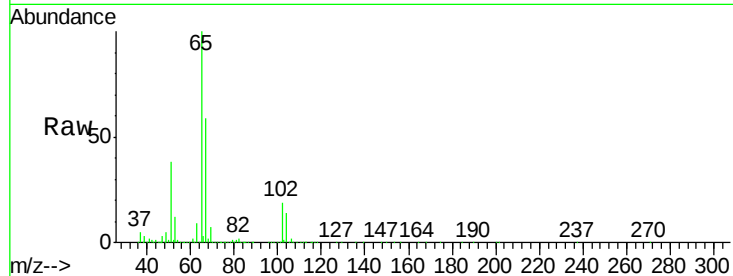
67 59.2 0.0 108.8

Manual Integrations

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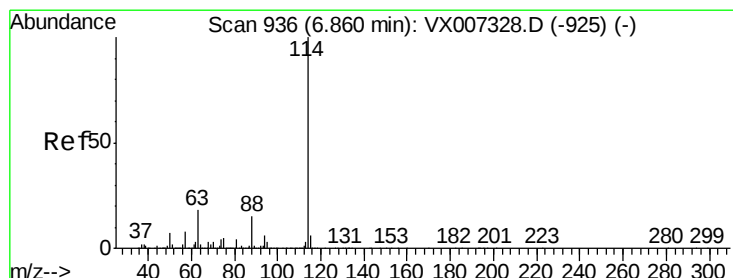
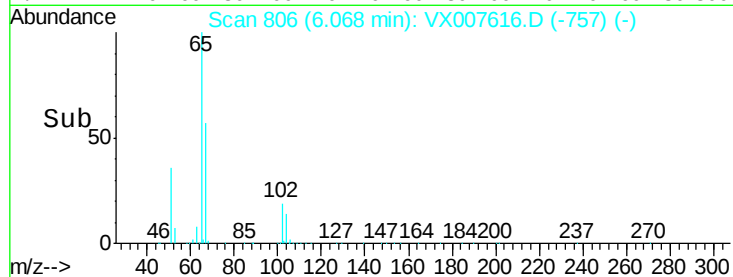
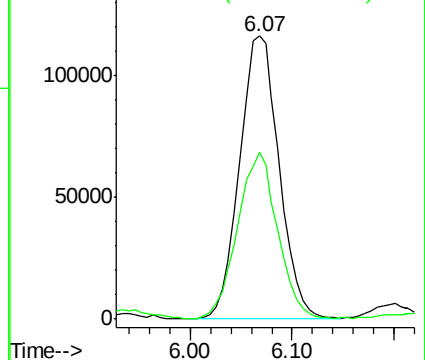
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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX007616.D

Acq: 19 Feb 2019 16:30

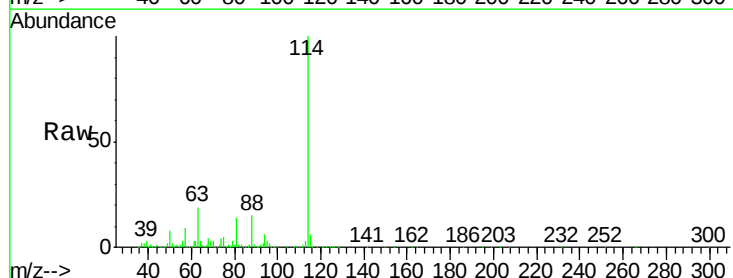
Tgt Ion: 114 Resp: 795545

Ion Ratio Lower Upper

114 100

63 19.2 0.0 35.6

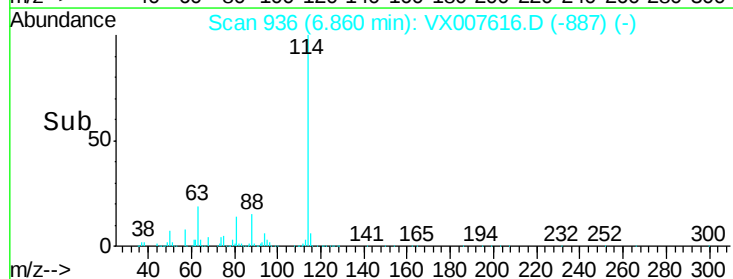
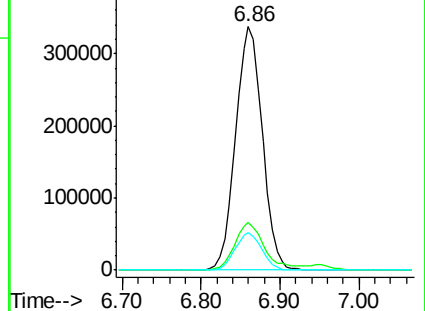
88 15.5 0.0 29.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 51.248 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.00 min

Lab File: VX007616.D

Acq: 19 Feb 2019 16:30

Instrument :

MSVOA_X

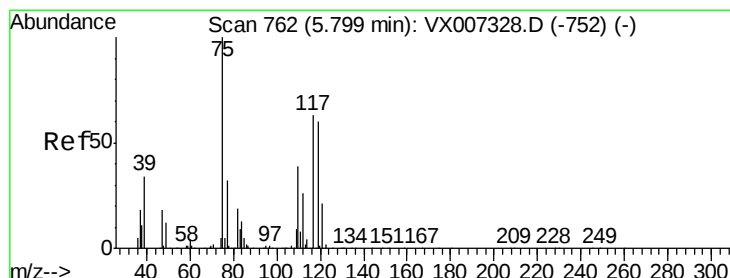
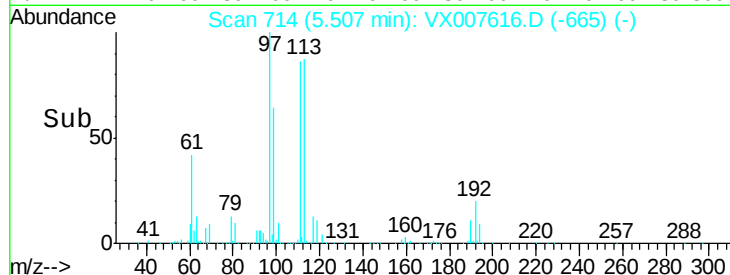
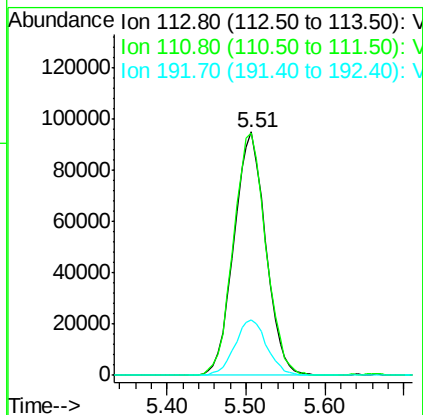
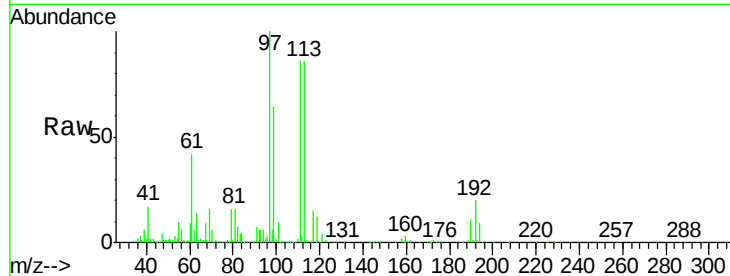
ClientSampleId :

MW-1MS

Tot Ion:	113	Resp:	265274
Ion Ratio	Lower	Upper	
113	100		
111	101.7	81.8	122.8
192	22.9	18.5	27.7

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 43.318 ug/l

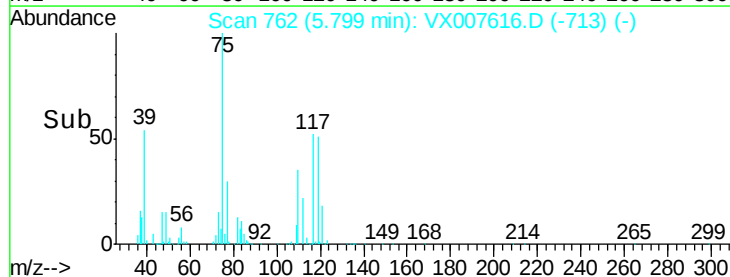
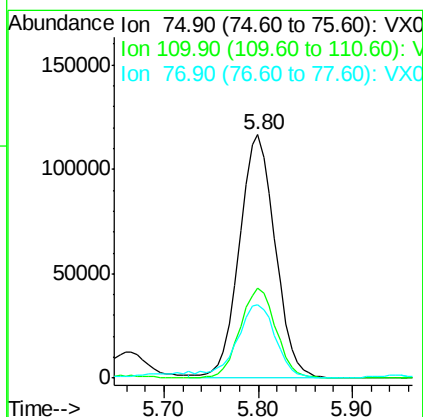
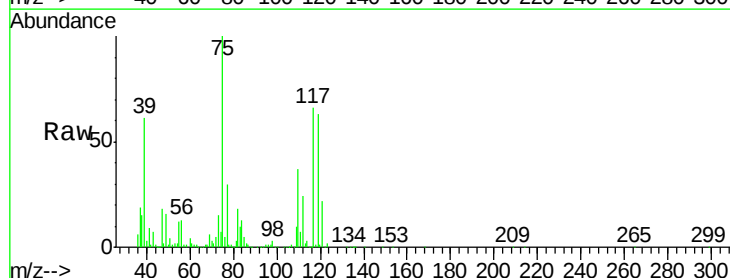
RT: 5.80 min Scan# 762

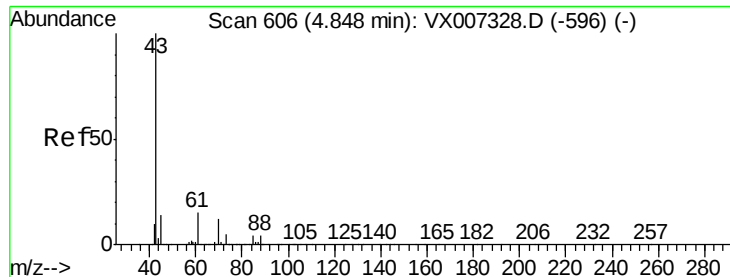
Delta R.T. 0.00 min

Lab File: VX007616.D

Acq: 19 Feb 2019 16:30

Tgt Ion:	75	Resp:	309200
Ion Ratio	Lower	Upper	
75	100		
110	37.4	20.0	59.9
77	32.0	24.7	37.1





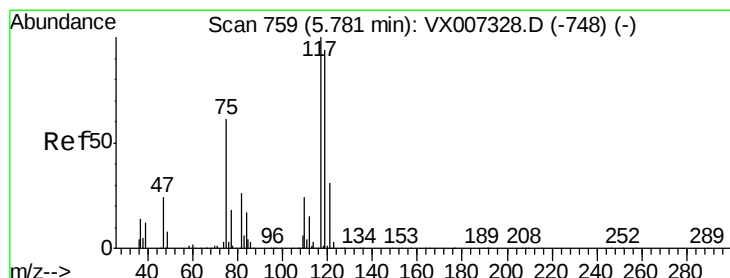
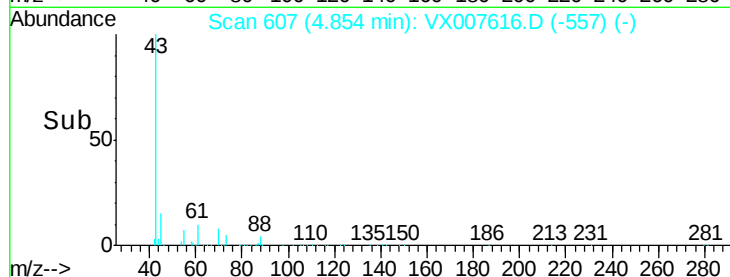
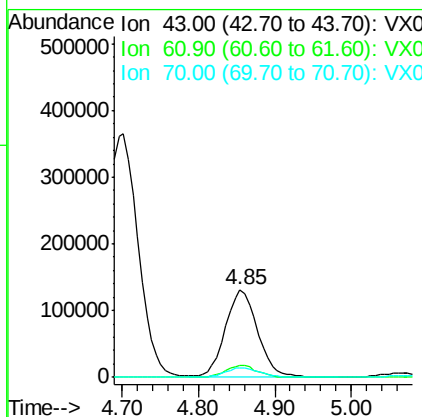
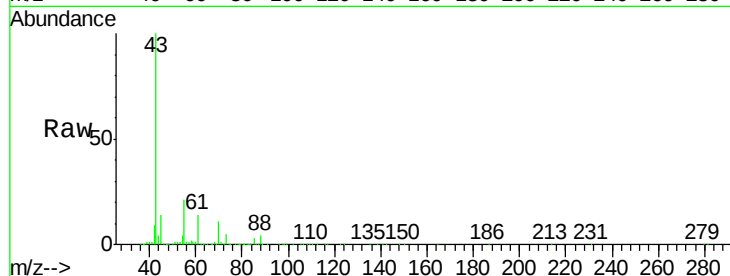
#37
Ethyl Acetate
Concen: 52.755 ug/l
RT: 4.85 min Scan# 607
Delta R.T. 0.01 min
Lab File: VX007616.D
Acq: 19 Feb 2019 16:30

Instrument :
MSVOA_X
ClientSampleId :
MW-1MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100		380655		
61	13.4	11.3	16.9		
70	12.0	8.6	13.0		

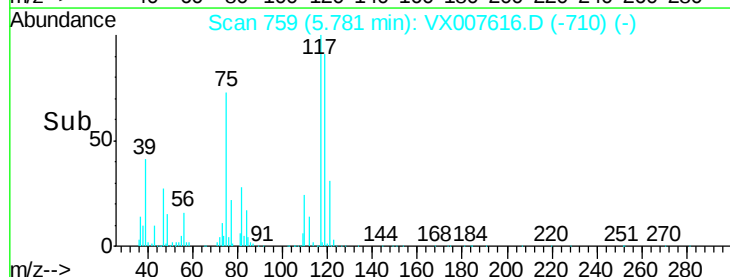
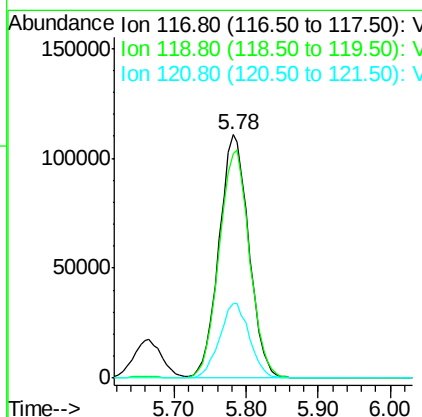
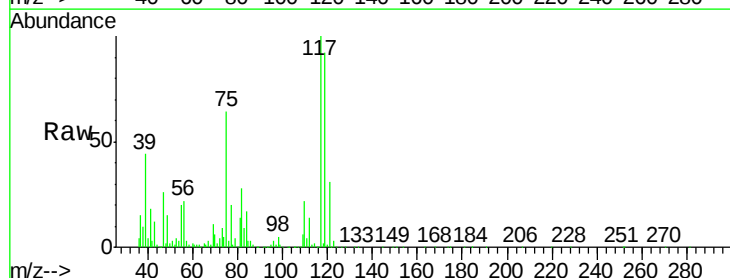
Manual Integrations
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#38
Carbon Tetrachloride
Concen: 46.053 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX007616.D
Acq: 19 Feb 2019 16:30

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		318915		
119	91.9	75.3	112.9		
121	30.8	25.0	37.4		





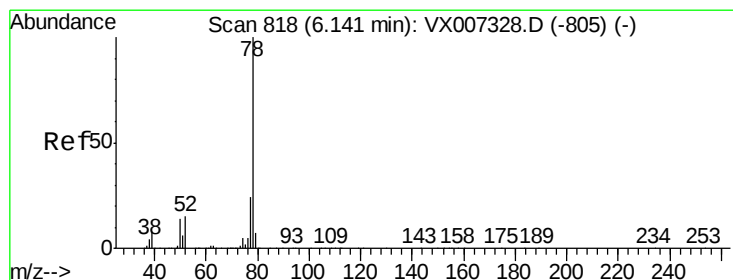
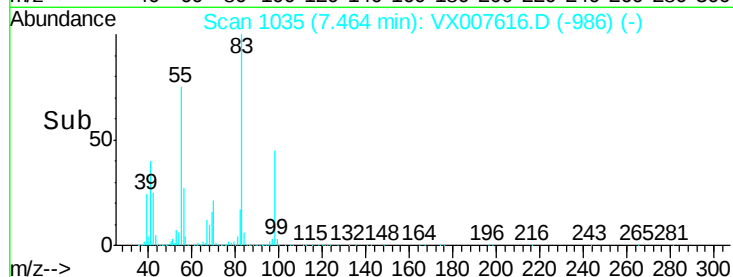
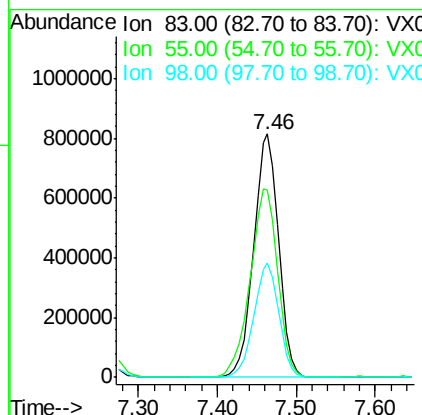
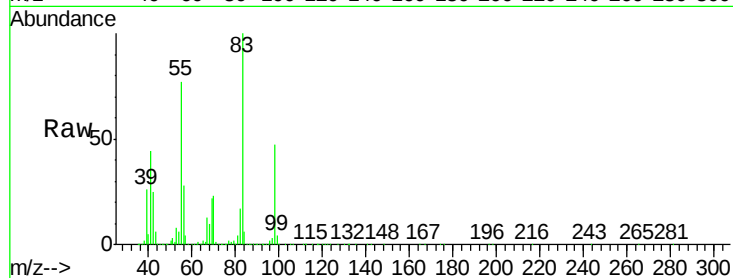
#39
Methvlcvclohexane
Concen: 206.507 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX007616.D
Acq: 19 Feb 2019 16:30

Instrument :
MSVOA_X
ClientSampled :
MW-1MS

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.9	56.2	84.2
98	46.8	36.8	55.2

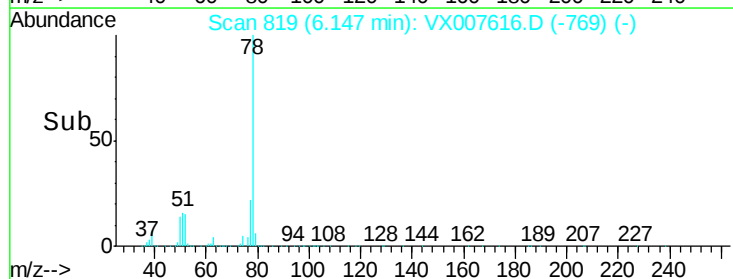
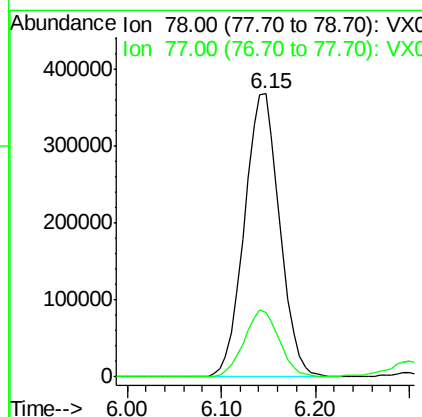
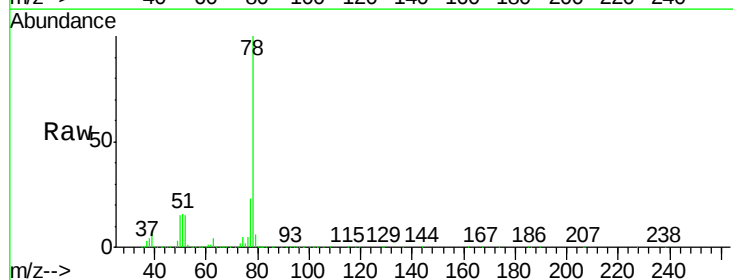
Manual Integrations
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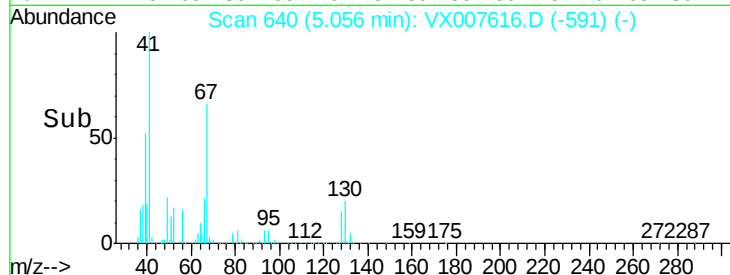
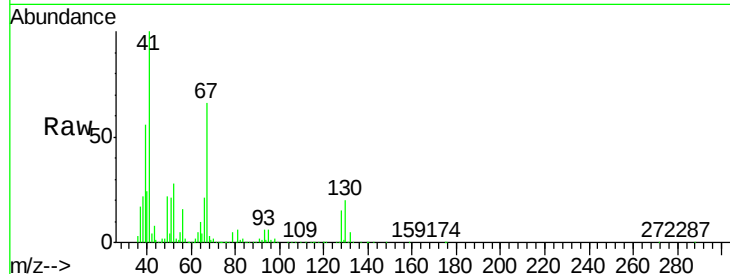
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#40
Benzene
Concen: 46.005 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX007616.D
Acq: 19 Feb 2019 16:30

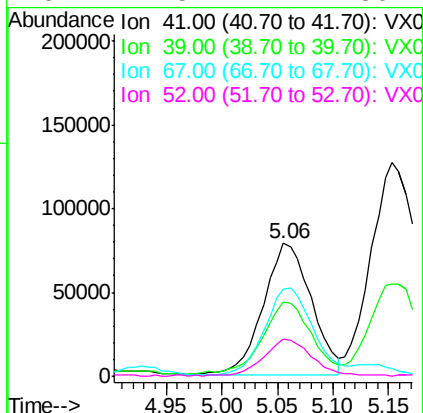
Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.9	19.3	28.9





#41
Methacrylonitrile
Concen: 60.570 ug/l
RT: 5.06 min Scan# 640
Delta R.T. 0.00 min
Lab File: VX007616.D
Acq: 19 Feb 2019 16:30

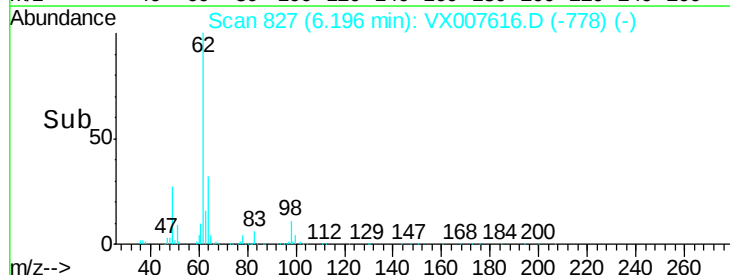
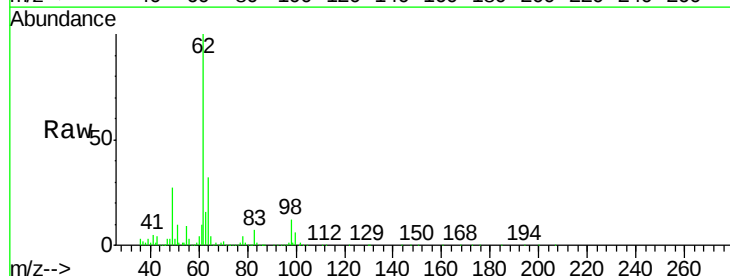
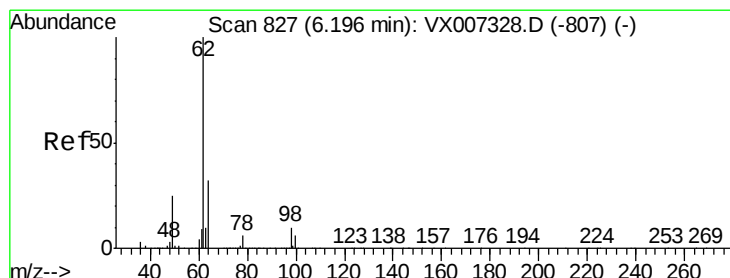
Tot Ion	Ratio	Lower	Upper
41	100		
39	56.3	44.5	66.7
67	0.0	60.4	90.6
52	27.5	24.1	36.1



Instrument :
MSVOA_X
ClientSampleId :
MW-1MS

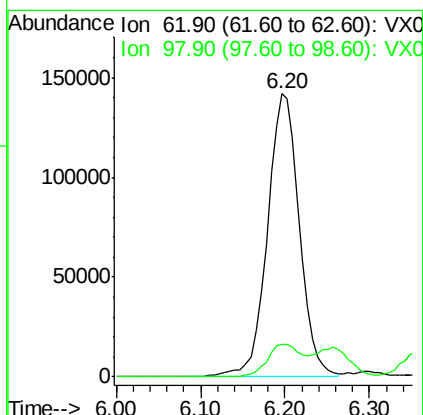
Manual Integrations
APPROVED

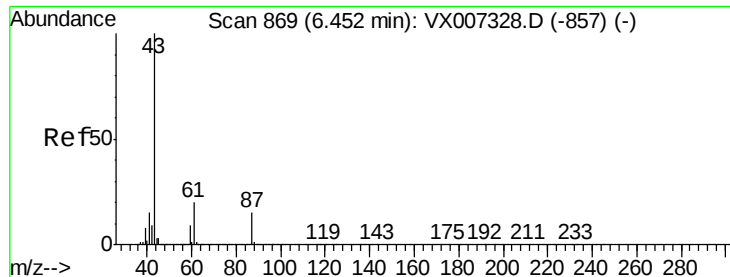
MMDadoda
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#42
1,2-Dichloroethane
Concen: 51.077 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX007616.D
Acq: 19 Feb 2019 16:30

Tgt Ion	Ratio	Lower	Upper
62	100		
98	12.6	0.0	19.0





#43

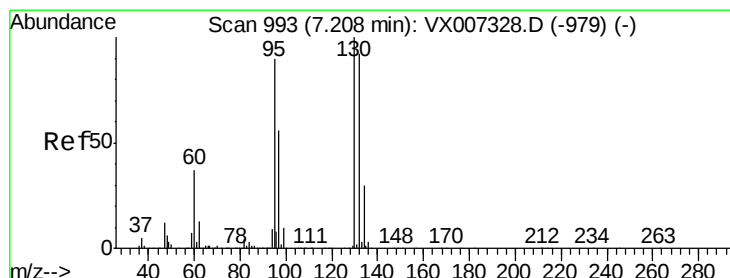
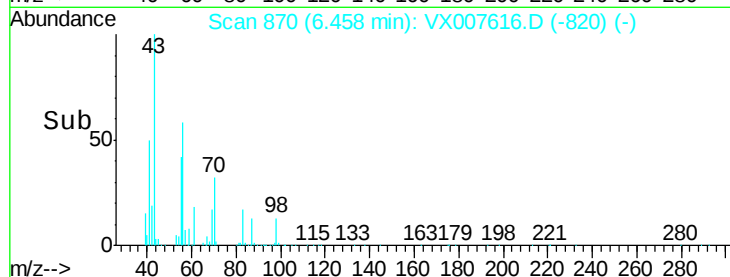
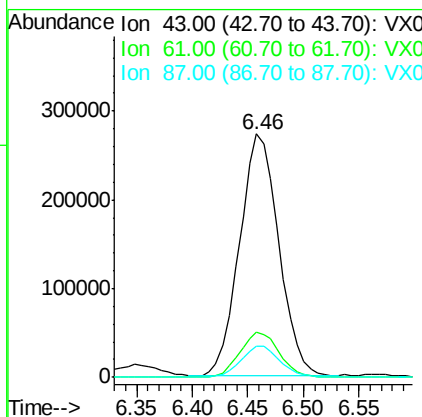
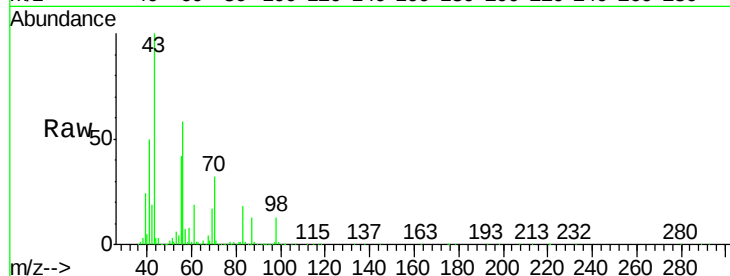
Isopropyl Acetate
 Concen: 59.856 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. 0.01 min
 Lab File: VX007616.D
 Acq: 19 Feb 2019 16:30

Instrument :
 MSVOA_X
 ClientSampled :
 MW-1MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.7	16.1	24.1
87	12.8	11.5	17.3

Manual Integrations
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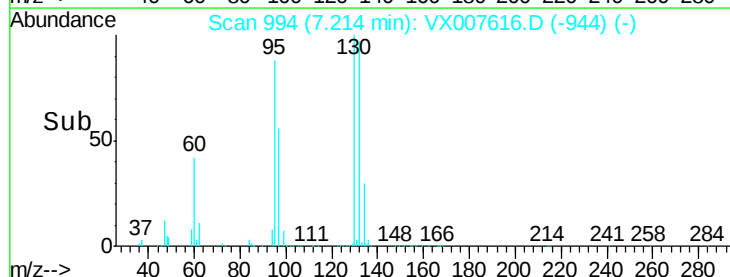
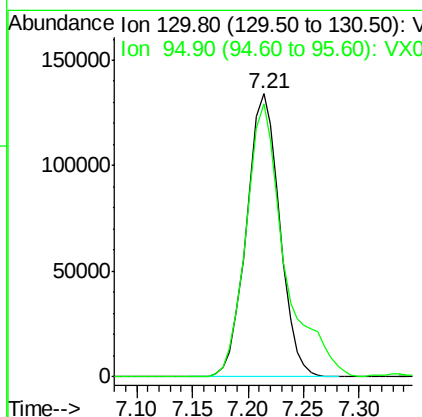
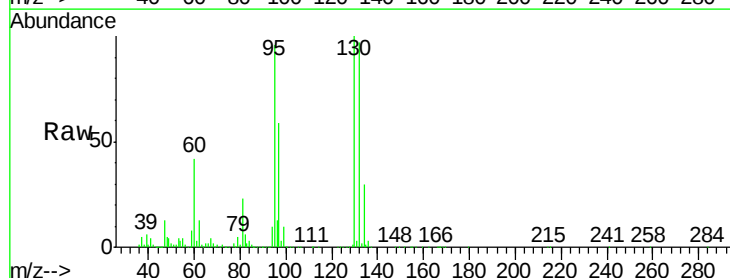
MMDadoda
 2/20/2019 10:34:52 AM

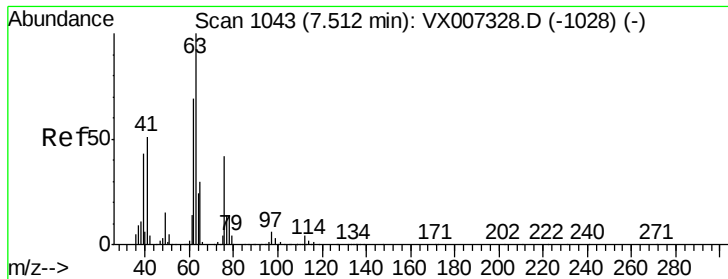


#44

Trichloroethene
 Concen: 44.011 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.01 min
 Lab File: VX007616.D
 Acq: 19 Feb 2019 16:30

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.2	0.0	180.0





#45

1,2-Dichloropropane

Concen: 50.101 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. 0.01 min

Lab File: VX007616.D

Acq: 19 Feb 2019 16:30

Instrument :

MSVOA_X

ClientSampleId :

MW-1MS

Tot Ion: 63 Resp: 263942

Ion Ratio Lower Upper

63 100

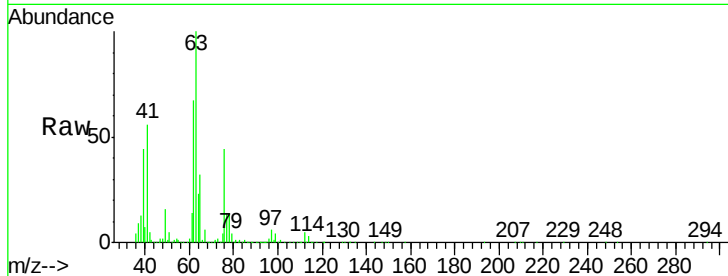
65 31.4 24.2 36.2

Manual Integrations

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

150000

100000

50000

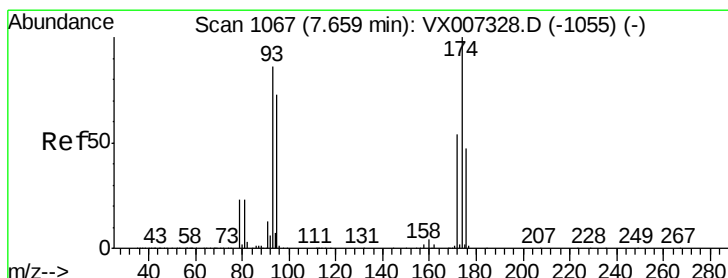
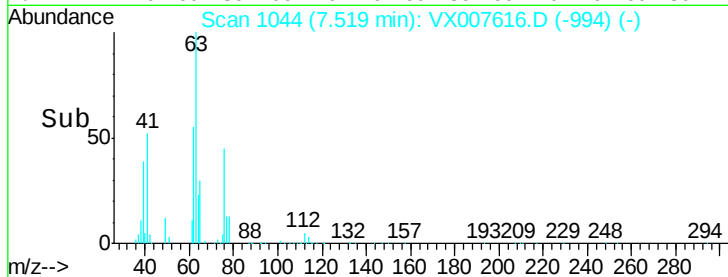
0

7.52

7.50

7.60

Time-->



#46

Dibromomethane

Concen: 48.535 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.01 min

Lab File: VX007616.D

Acq: 19 Feb 2019 16:30

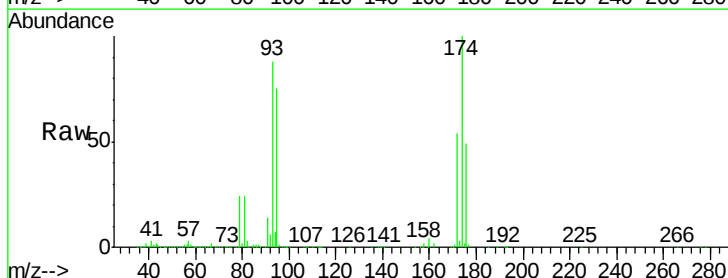
Tgt Ion: 93 Resp: 185836

Ion Ratio Lower Upper

93 100

95 94.3 67.6 101.4

174 114.8 94.2 141.4



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

150000

100000

50000

0

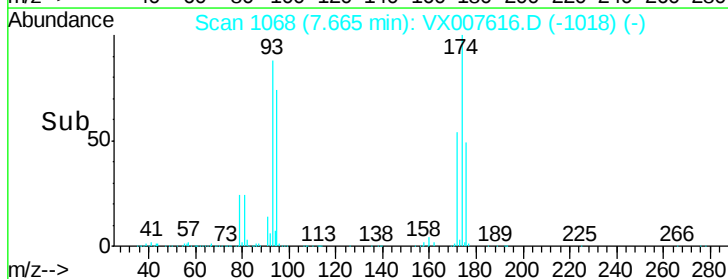
7.66

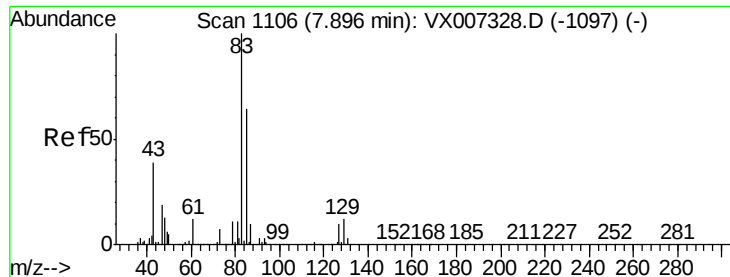
7.60

7.70

7.80

Time-->





#47

Bromodichloromethane

Concen: 52.024 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX007616.D

Acq: 19 Feb 2019 16:30

Instrument :

MSVOA_X

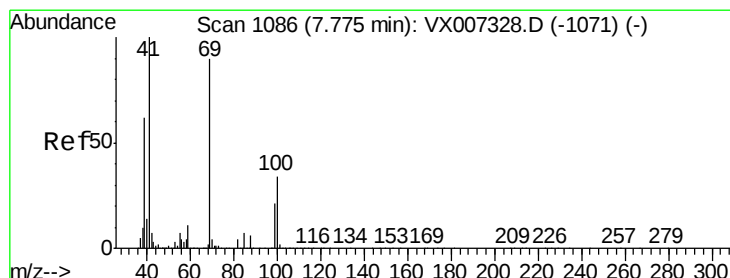
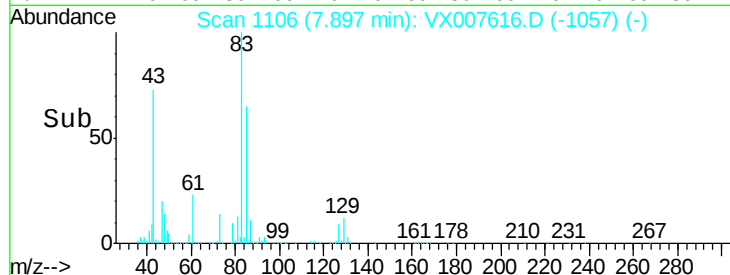
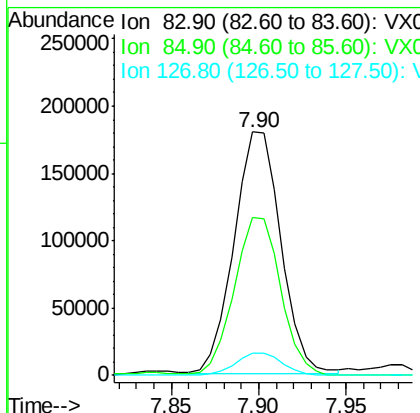
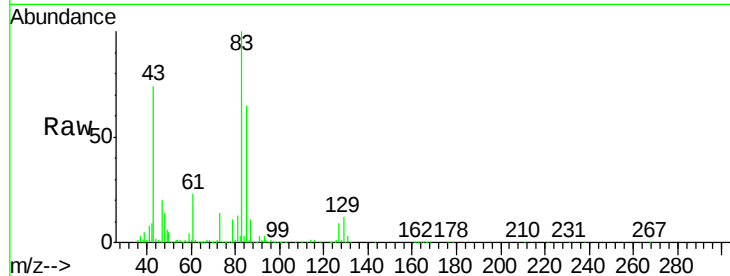
ClientSampleId :

MW-1MS

Tot Ion:	83	Resp:	337596
Ion Ratio	Lower	Upper	
83	100		
85	65.4	51.4	77.0
127	9.0	8.1	12.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 57.479 ug/l

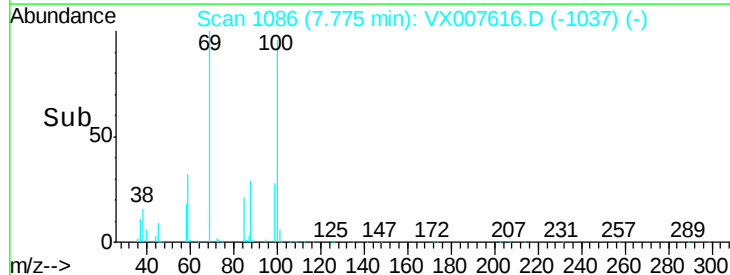
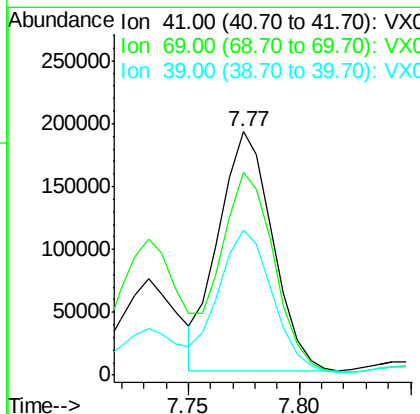
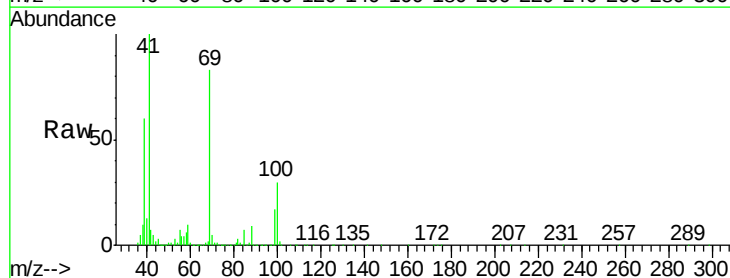
RT: 7.77 min Scan# 1086

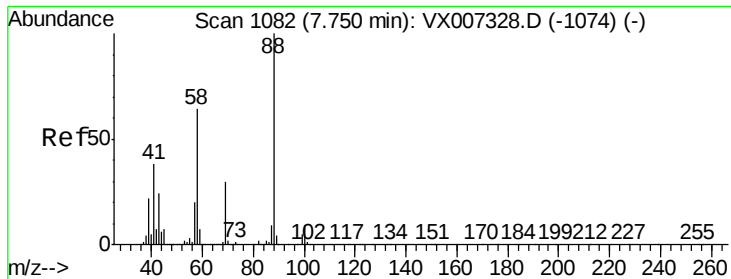
Delta R.T. 0.00 min

Lab File: VX007616.D

Acq: 19 Feb 2019 16:30

Tgt Ion:	41	Resp:	320204
Ion Ratio	Lower	Upper	
41	100		
69	87.4	70.2	105.4
39	59.2	47.4	71.0





#49

1,4-Dioxane

Concen: 944.700 ug/l

RT: 7.76 min Scan# 1083

Delta R.T. 0.01 min

Lab File: VX007616.D

Acq: 19 Feb 2019 16:30

Instrument :

MSVOA_X

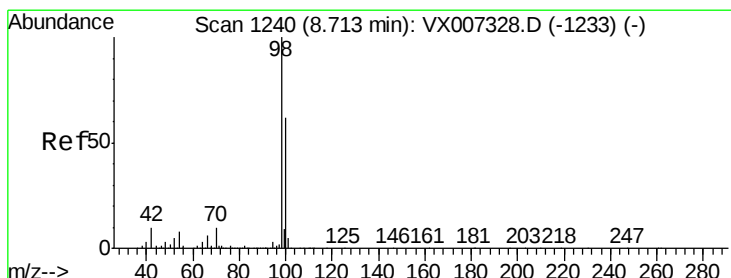
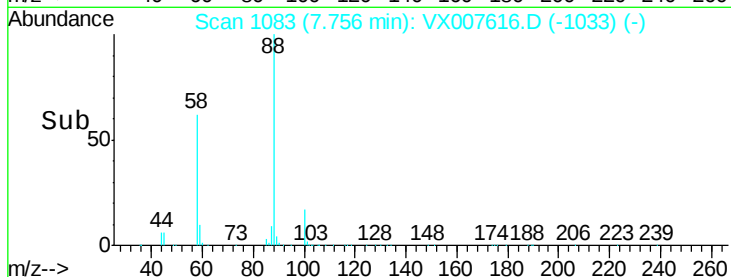
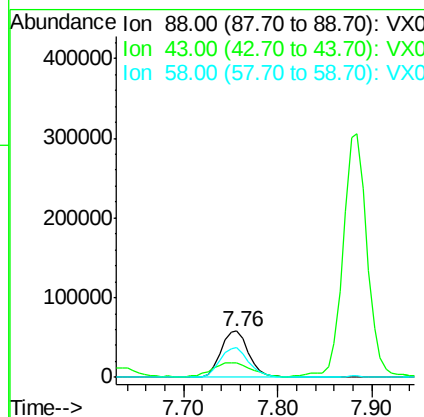
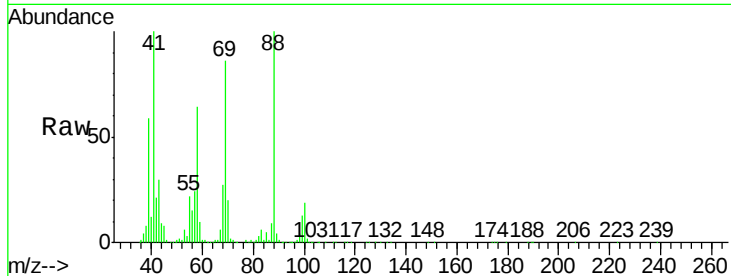
ClientSampleId :

MW-1MS

Tot Ion:	88	Resp:	119637
Ion Ratio	Lower	Upper	
88	100		
43	39.6	24.2	36.4#
58	65.1	53.0	79.4

Manual Integrations
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#50

Toluene-d8

Concen: 49.922 ug/l

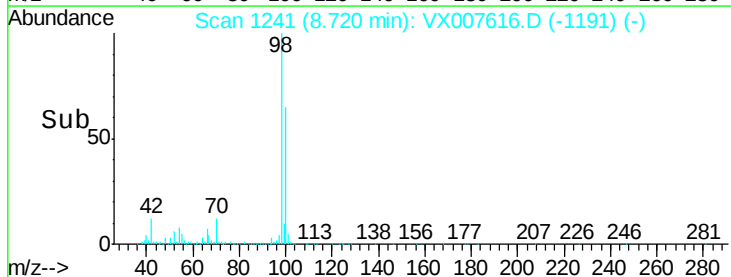
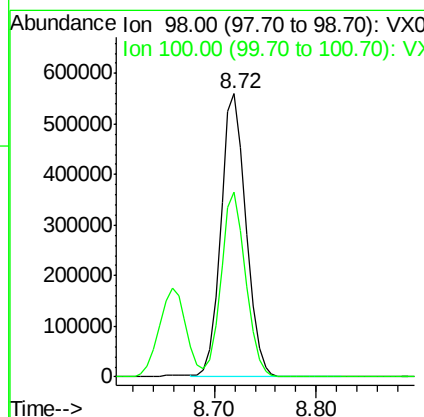
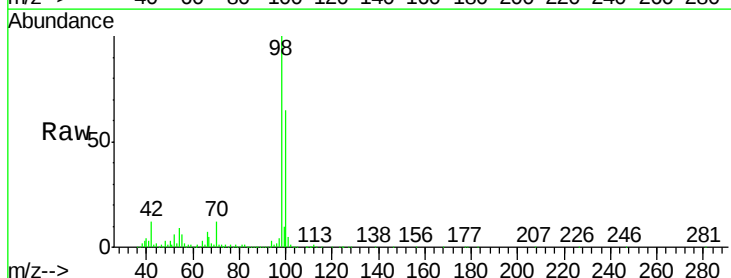
RT: 8.72 min Scan# 1241

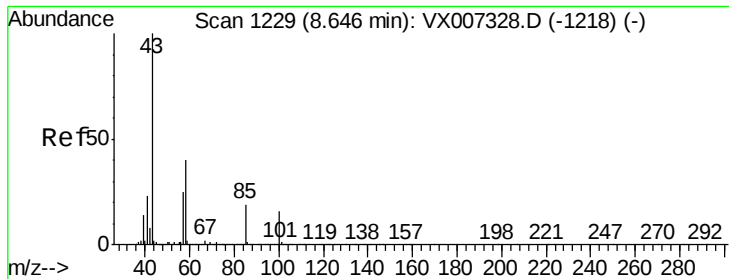
Delta R.T. 0.01 min

Lab File: VX007616.D

Acq: 19 Feb 2019 16:30

Tgt Ion:	98	Resp:	958747
Ion Ratio	Lower	Upper	
98	100		
100	63.5	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 284.673 ug/l

RT: 8.66 min Scan# 1231

Delta R.T. 0.01 min

Lab File: VX007616.D

Acq: 19 Feb 2019 16:30

Instrument :

MSVOA_X

ClientSampleId :

MW-1MS

Tot Ion: 43 Resp: 2087156

Ion Ratio Lower Upper

43 100

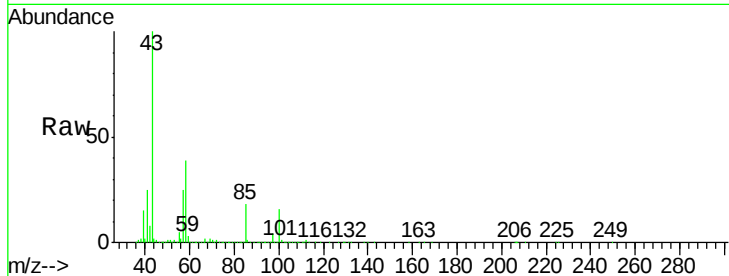
58 38.8 31.2 46.8

Manual Integrations

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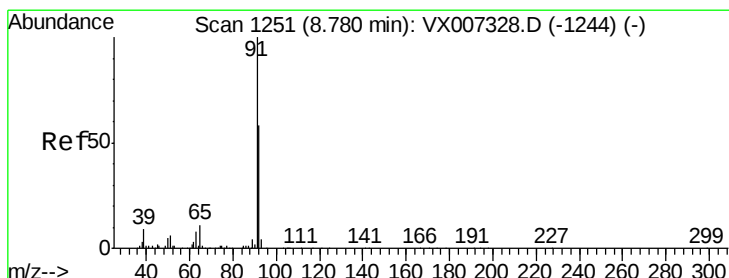
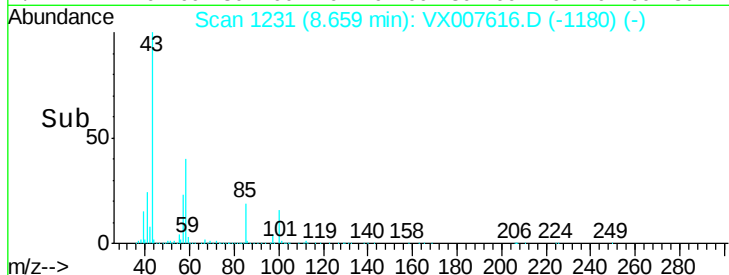
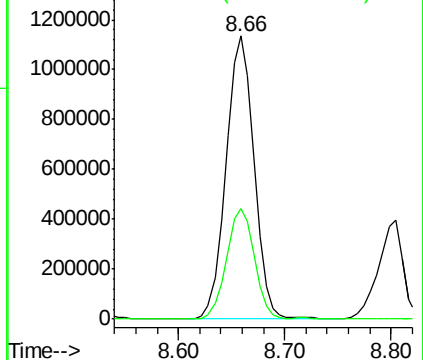
MMDadoda

2/20/2019 10:34:52 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 1752.597 ug/l m

RT: 8.79 min Scan# 1252

Delta R.T. 0.01 min

Lab File: VX007616.D

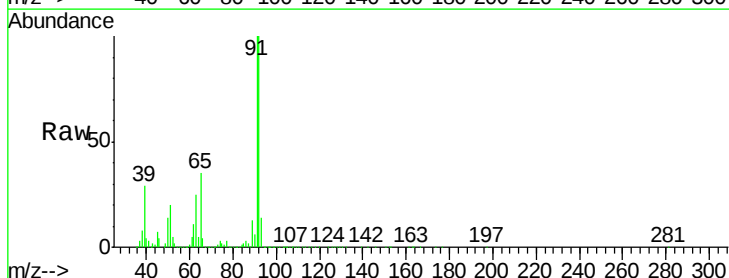
Acq: 19 Feb 2019 16:30

Tgt Ion: 92 Resp: 23775561

Ion Ratio Lower Upper

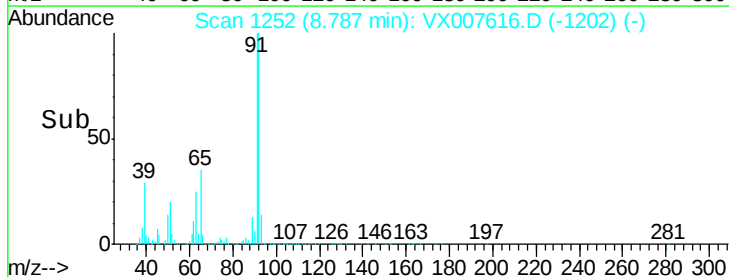
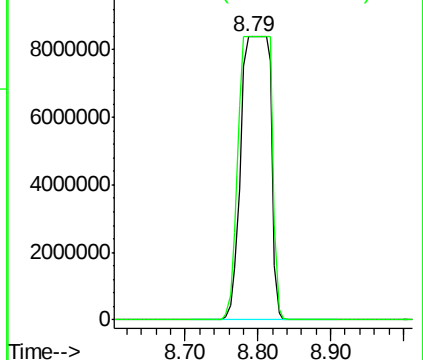
92 100

91 0.0 139.1 208.7#



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





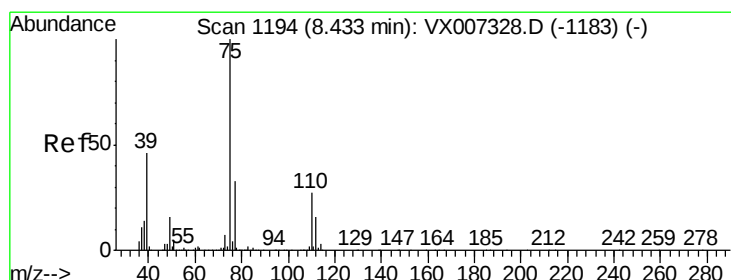
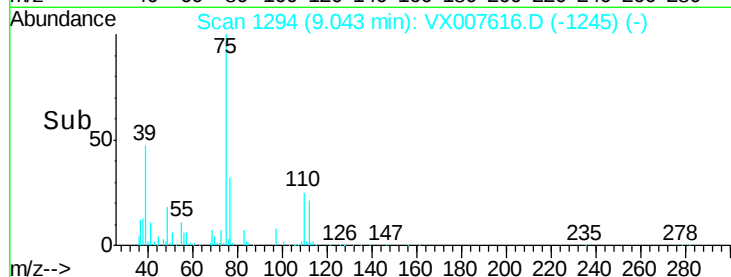
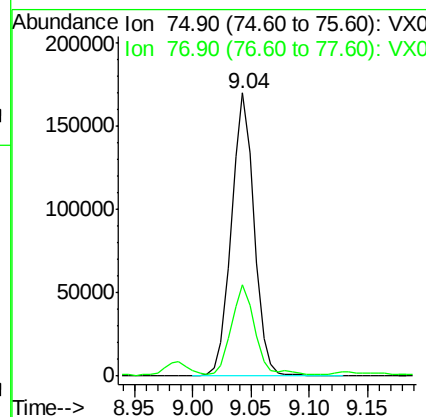
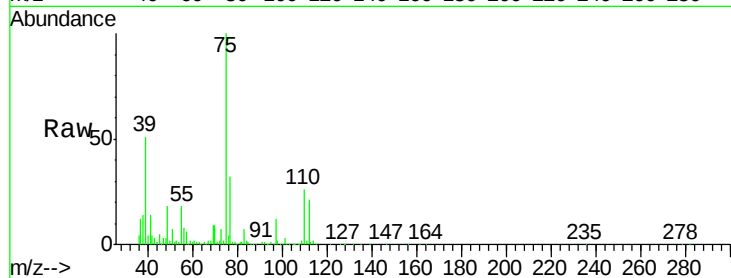
#53
t-1,3-Dichloropropene
Concen: 33.024 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX007616.D
Acq: 19 Feb 2019 16:30

Instrument :
MSVOA_X
ClientSampleId :
MW-1MS

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.2	37.8

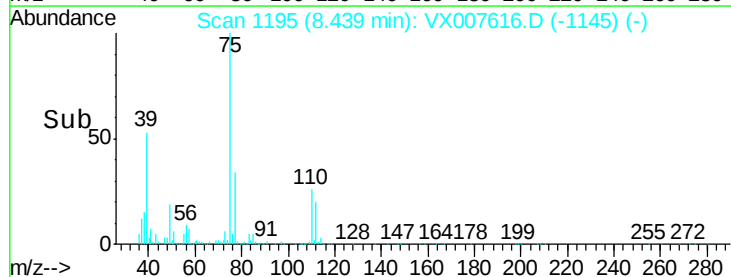
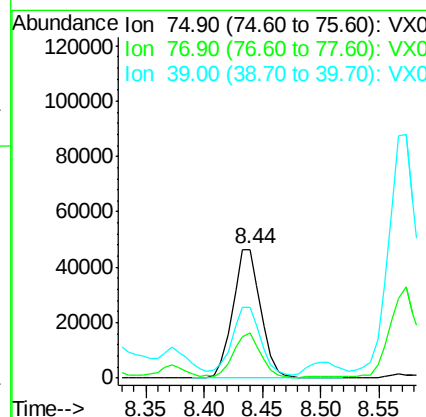
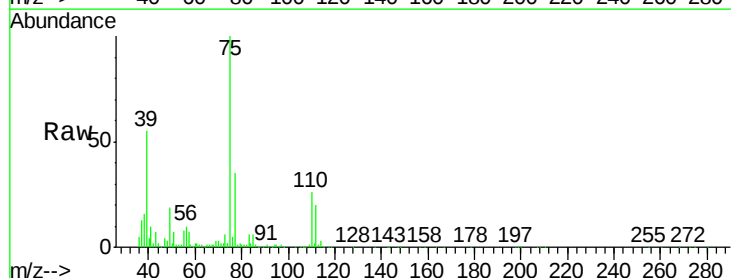
Manual Integrations
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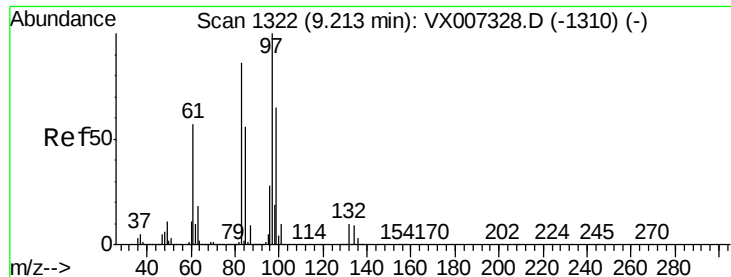
MMDadoda
2/20/2019 10:34:52 AM



#54
cis-1,3-Dichloropropene
Concen: 10.027 ug/l
RT: 8.44 min Scan# 1195
Delta R.T. 0.01 min
Lab File: VX007616.D
Acq: 19 Feb 2019 16:30

Tgt Ion	Ratio	Lower	Upper
75	100		
77	34.2	26.2	39.4
39	48.5	37.1	55.7





#55

1,1,2-Trichloroethane

Concen: 50.805 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VX007616.D

Acq: 19 Feb 2019 16:30

Instrument :

MSVOA_X

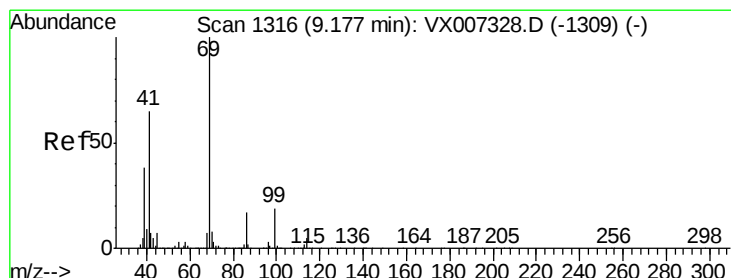
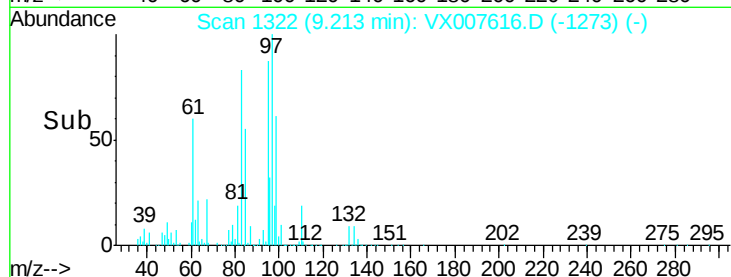
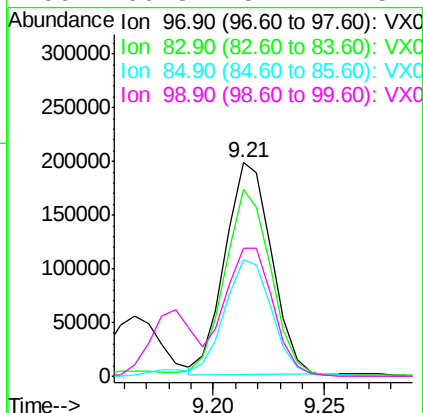
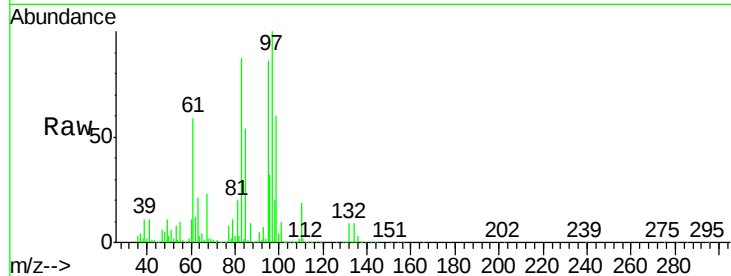
ClientSampleId :

MW-1MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		287292		
83	87.7	68.6	102.8		
85	54.6	44.5	66.7		
99	60.3	52.2	78.4		

Manual Integrations
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#56

Ethyl methacrylate

Concen: 60.546 ug/l

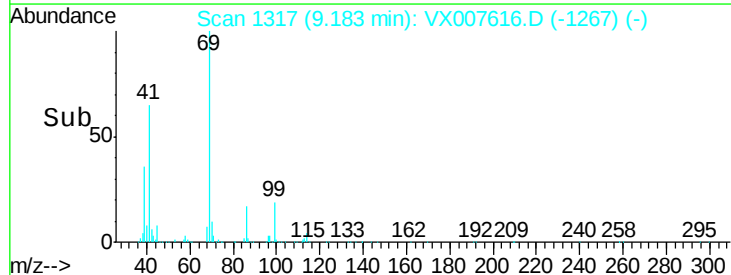
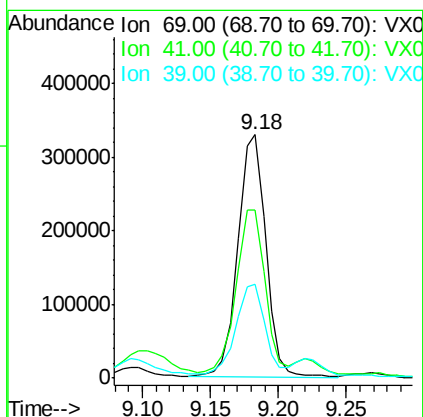
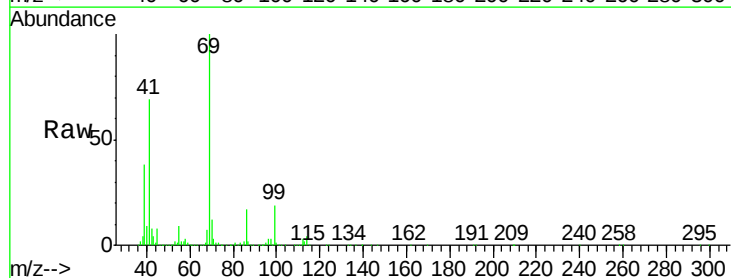
RT: 9.18 min Scan# 1317

Delta R.T. 0.01 min

Lab File: VX007616.D

Acq: 19 Feb 2019 16:30

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		474202		
41	71.1	52.1	78.1		
39	40.1	30.1	45.1		





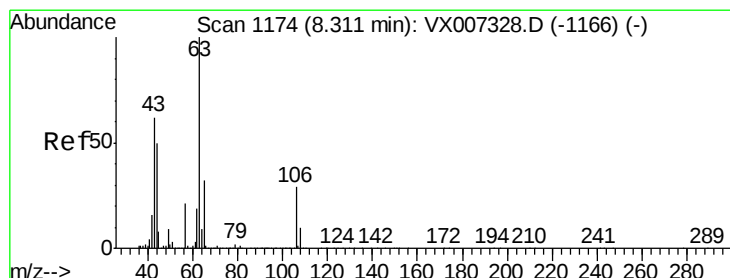
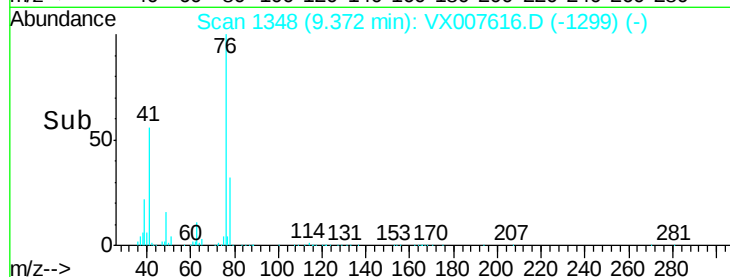
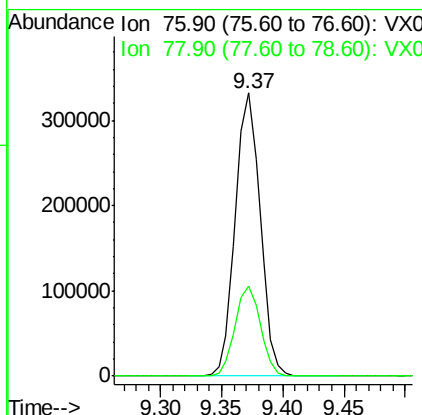
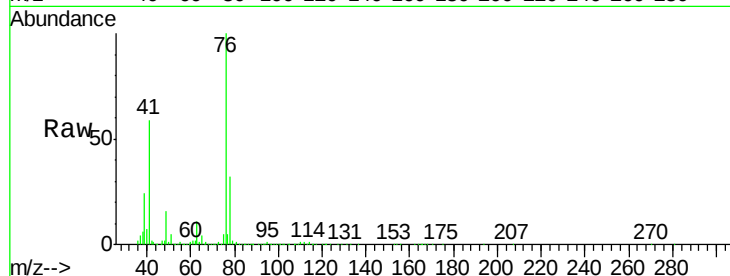
#57
 1,3-Dichloropropane
 Concen: 52.035 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX007616.D
 Acq: 19 Feb 2019 16:30

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-1MS

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.8	38.8

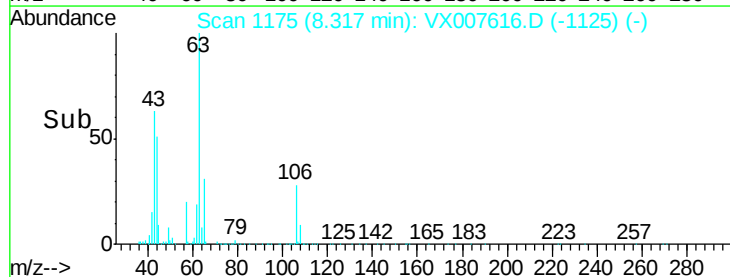
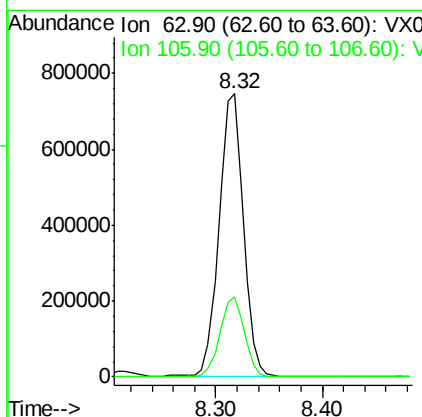
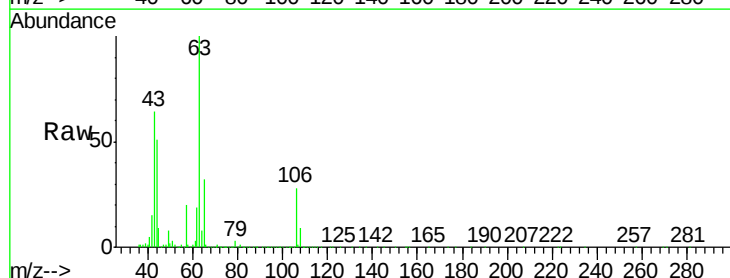
Manual Integrations
 APPROVED

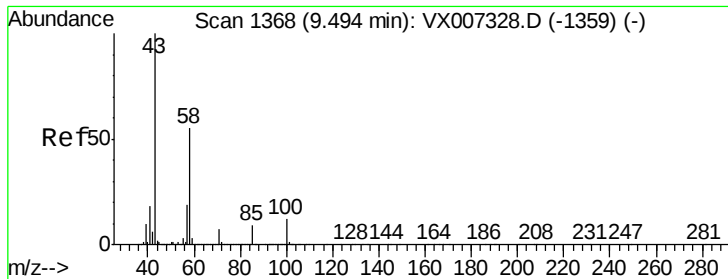
MMDadoda
 2/20/2019 10:34:52 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 287.298 ug/l
 RT: 8.32 min Scan# 1175
 Delta R.T. 0.01 min
 Lab File: VX007616.D
 Acq: 19 Feb 2019 16:30

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.3	23.6	35.4





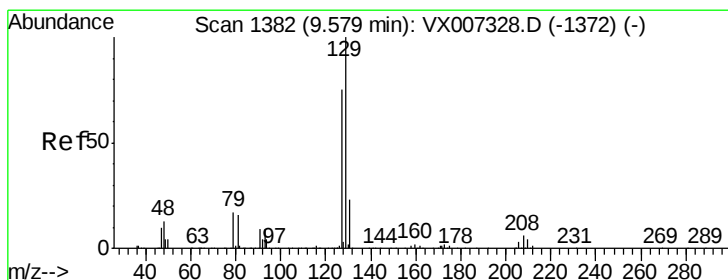
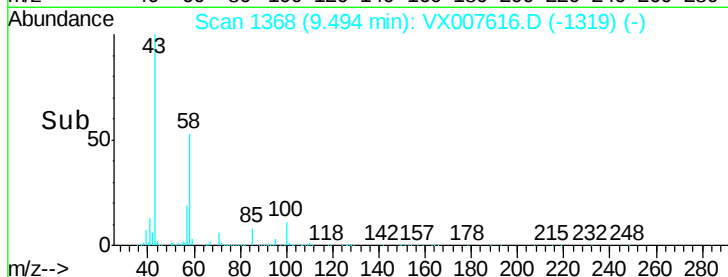
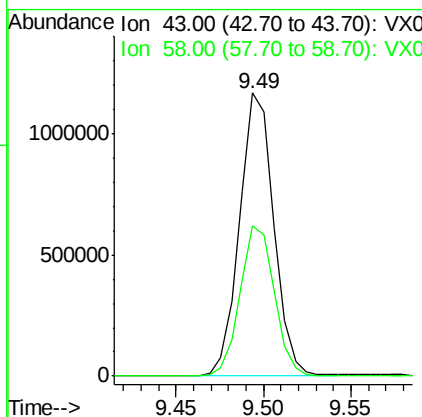
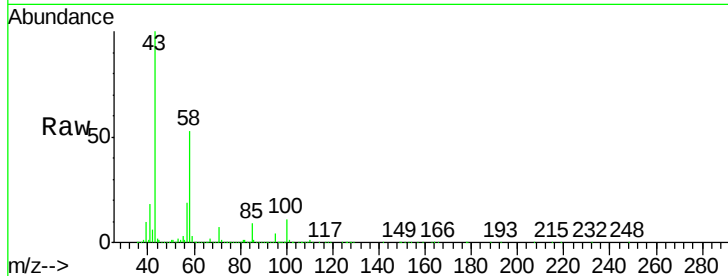
#59
2-Hexanone
Concen: 277.445 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX007616.D
Acq: 19 Feb 2019 16:30

Instrument :
MSVOA_X
ClientSampled :
MW-1MS

Tot Ion: 43 Resp: 1582917
Ion Ratio Lower Upper
43 100
58 53.9 27.1 81.3

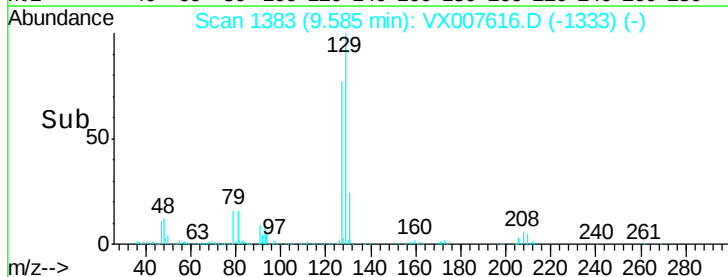
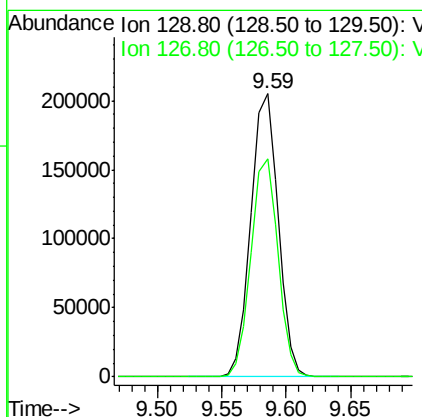
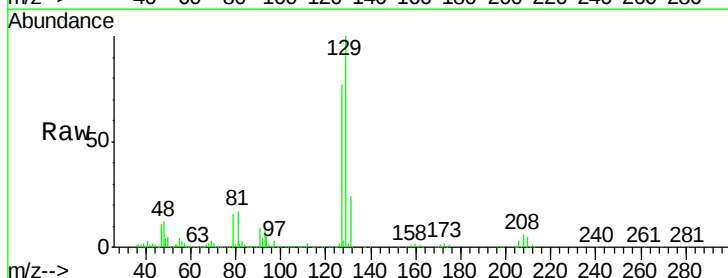
Manual Integrations
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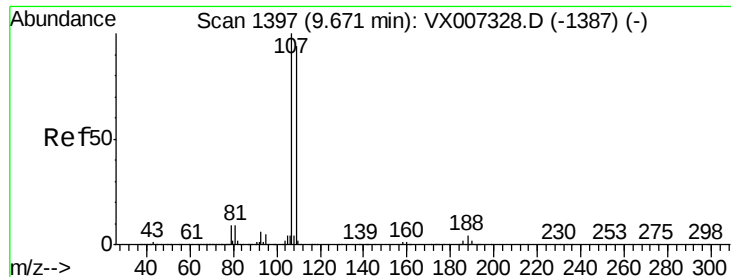
MMDadoda
2/20/2019 10:34:52 AM



#60
Dibromochloromethane
Concen: 55.982 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.01 min
Lab File: VX007616.D
Acq: 19 Feb 2019 16:30

Tgt Ion: 129 Resp: 299401
Ion Ratio Lower Upper
129 100
127 76.6 37.8 113.4





#61

1,2-Dibromoethane

Concen: 51.038 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX007616.D

Acq: 19 Feb 2019 16:30

Instrument :

MSVOA_X

ClientSampleId :

MW-1MS

Tot Ion:107 Resp: 305644

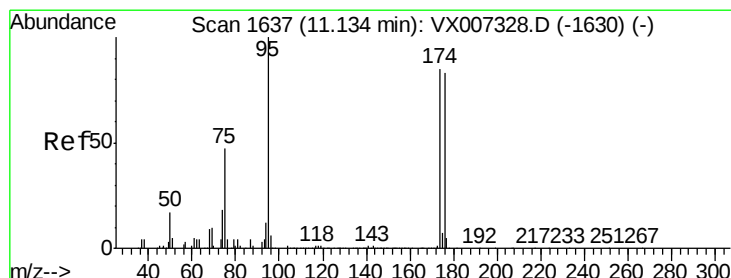
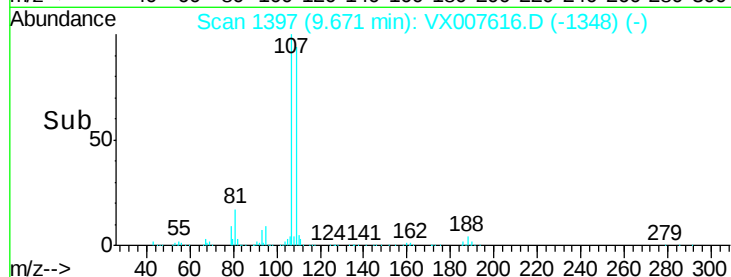
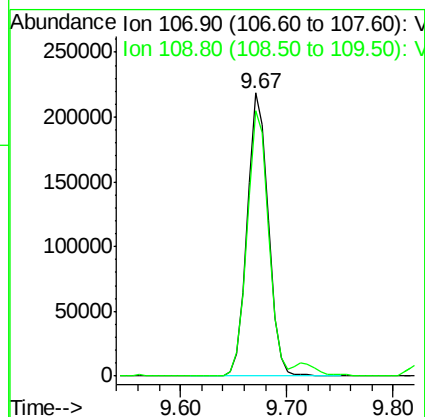
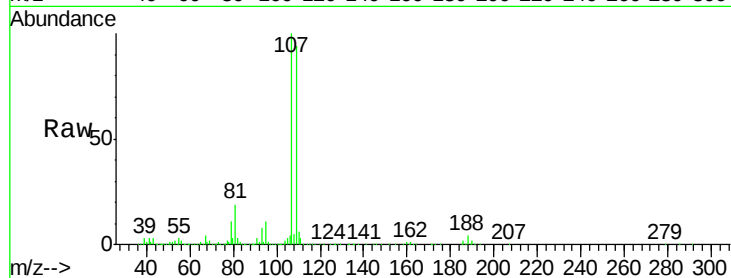
Ion Ratio Lower Upper

107 100

109 96.1 75.1 112.7

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#62

4-Bromofluorobenzene

Concen: 51.796 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.01 min

Lab File: VX007616.D

Acq: 19 Feb 2019 16:30

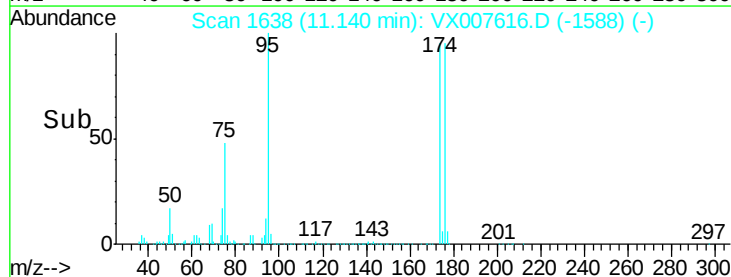
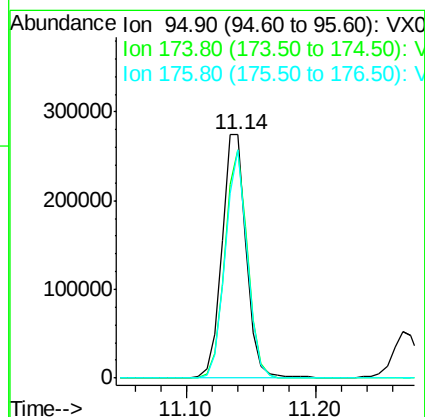
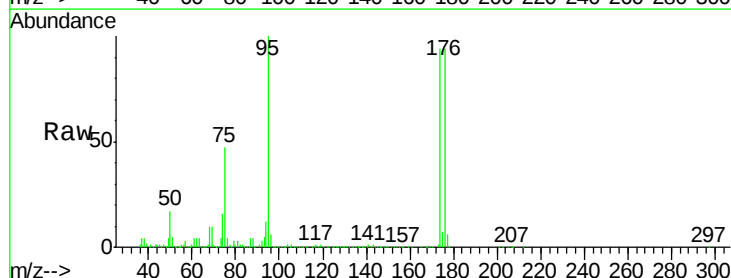
Tgt Ion: 95 Resp: 363180

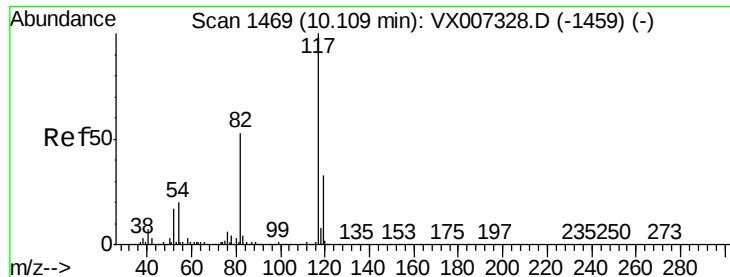
Ion Ratio Lower Upper

95 100

174 88.3 0.0 189.2

176 85.9 0.0 186.2





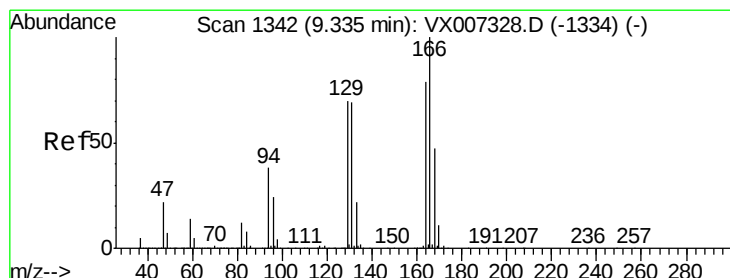
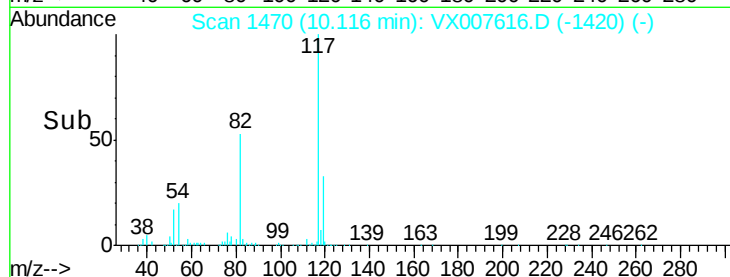
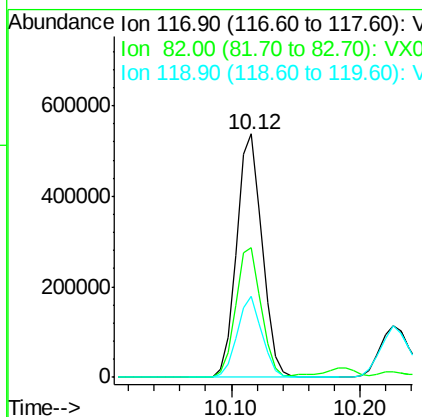
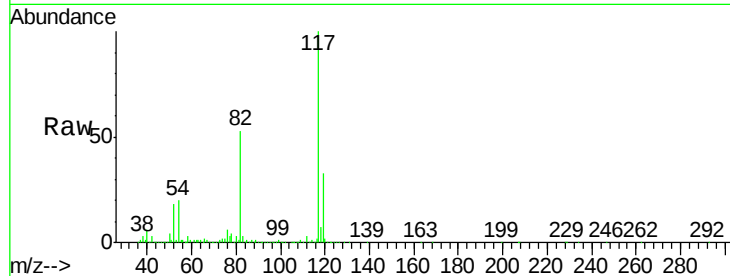
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX007616.D
Acq: 19 Feb 2019 16:30

Instrument :
MSVOA_X
ClientSampleId :
MW-1MS

Tot Ion	Ratio	Resp Lower	Resp Upper
117	100		
82	53.1	42.1	63.1
119	33.3	26.5	39.7

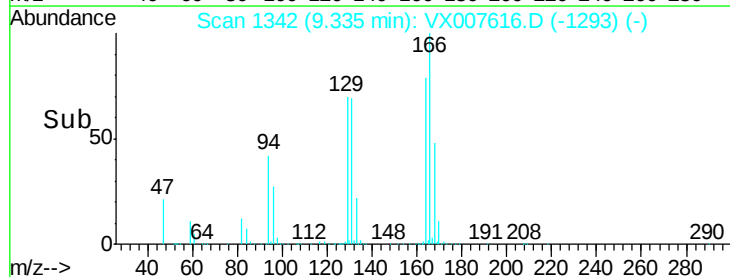
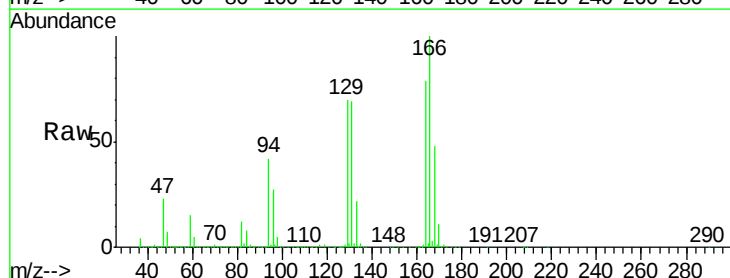
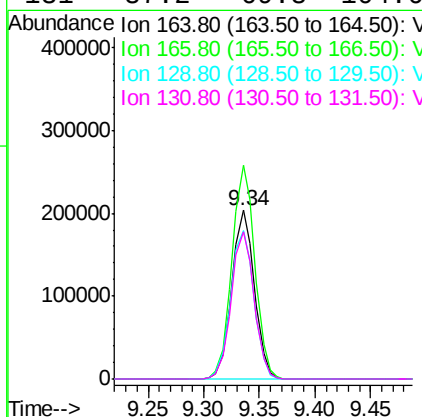
Manual Integrations
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#64
Tetrachloroethene
Concen: 41.250 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX007616.D
Acq: 19 Feb 2019 16:30

Tgt Ion	Ratio	Resp Lower	Resp Upper
164	100		
166	126.7	101.0	151.4
129	88.3	70.5	105.7
131	87.2	69.8	104.6





#65

Chlorobenzene

Concen: 45.407 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.00 min

Lab File: VX007616.D

Acq: 19 Feb 2019 16:30

Instrument :

MSVOA_X

ClientSampled :

MW-1MS

Tot Ion:112 Resp: 729497

Ion Ratio Lower Upper

112 100

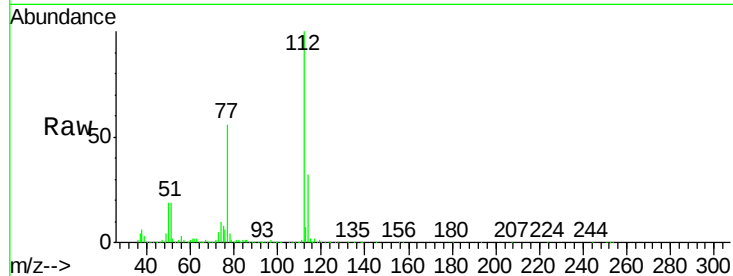
114 31.9 25.8 38.6

Manual Integrations

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

10.14

600000

500000

400000

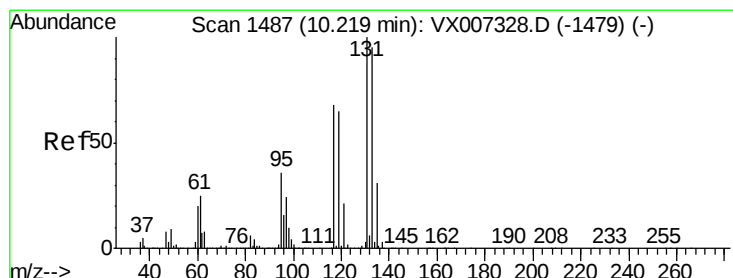
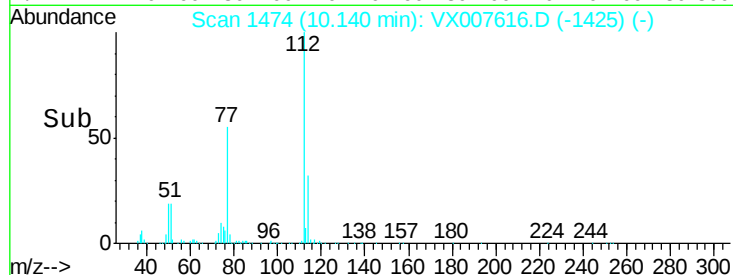
300000

200000

100000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 51.038 ug/l

RT: 10.23 min Scan# 1488

Delta R.T. 0.01 min

Lab File: VX007616.D

Acq: 19 Feb 2019 16:30

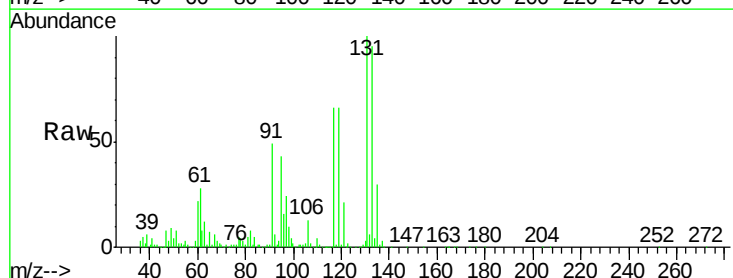
Tgt Ion:131 Resp: 274911

Ion Ratio Lower Upper

131 100

133 95.6 48.0 144.2

119 64.5 32.0 96.0



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

10.23

250000

200000

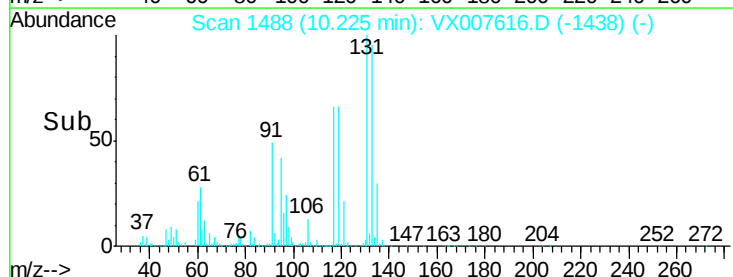
150000

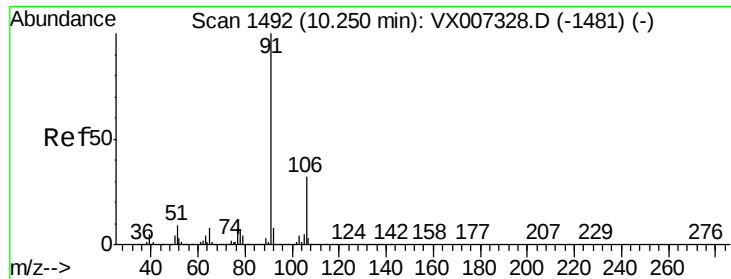
100000

50000

0

Time-->





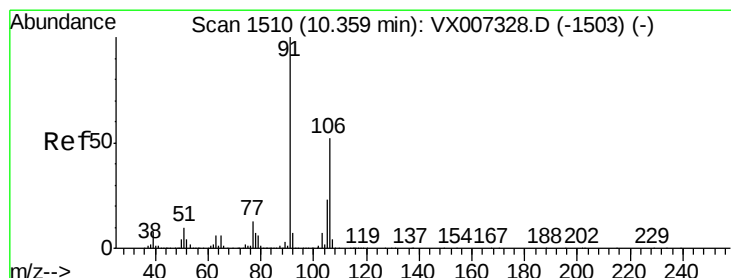
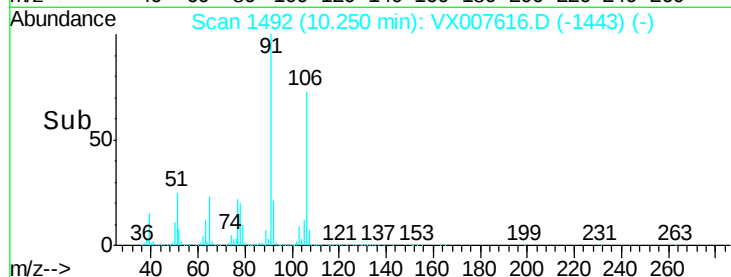
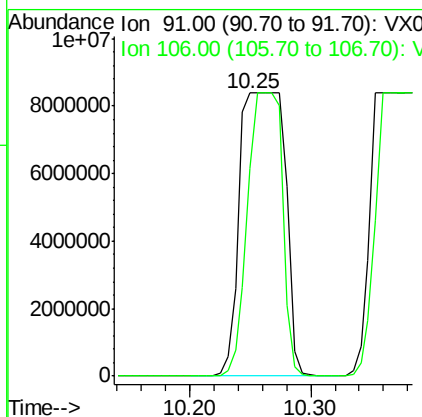
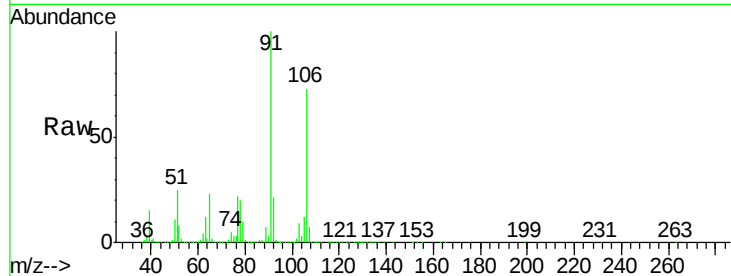
#67
Ethyl Benzene
Concen: 843.354 ug/l m
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX007616.D
Acq: 19 Feb 2019 16:30

Instrument :
MSVOA_X
ClientSampleId :
MW-1MS

Tot Ion: 91 Resp:21819185
Ion Ratio Lower Upper
91 100
106 73.4 25.4 38.0#

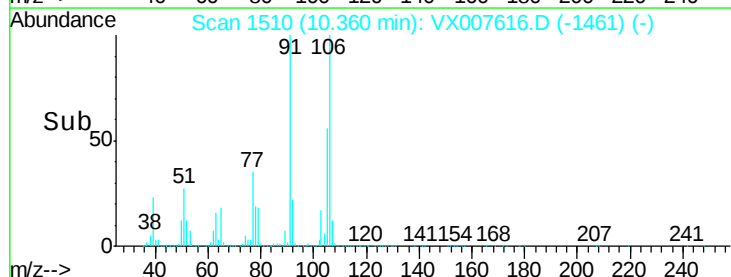
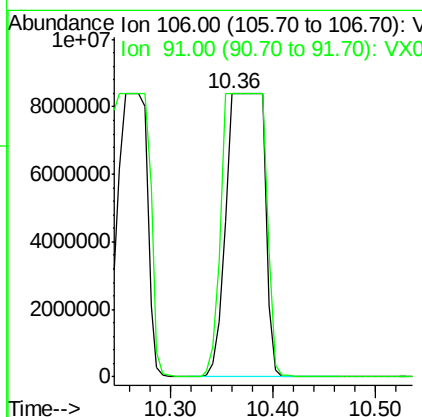
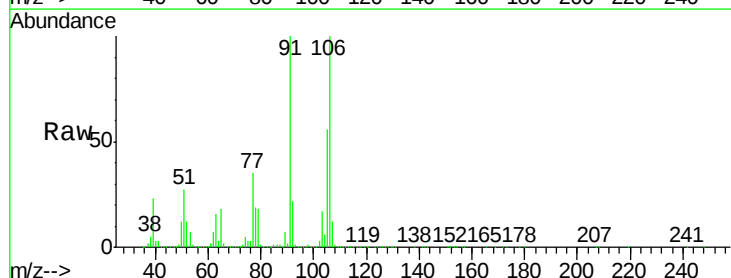
Manual Integrations
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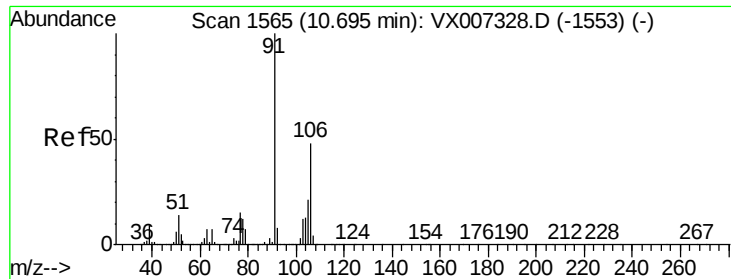
MMDadoda
2/20/2019 10:34:52 AM



#68
m/p-Xylenes
Concen: 2114.768 ug/l m
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX007616.D
Acq: 19 Feb 2019 16:30

Tgt Ion:106 Resp:21749162
Ion Ratio Lower Upper
106 100
91 0.0 156.6 234.8#





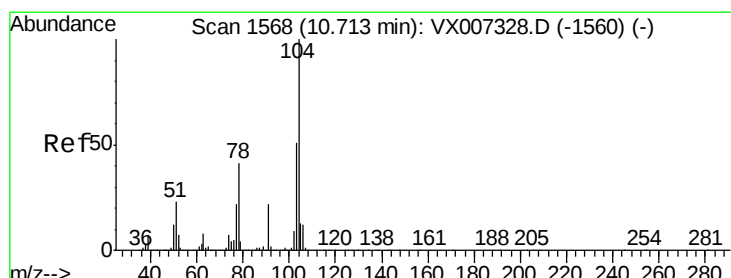
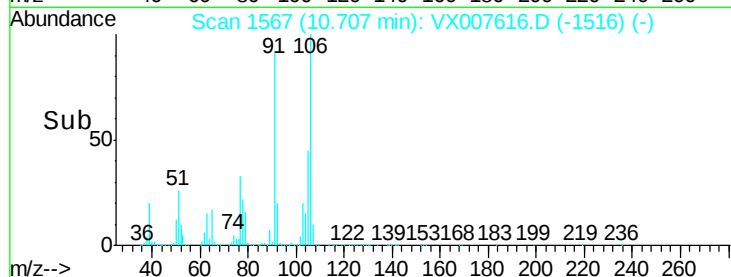
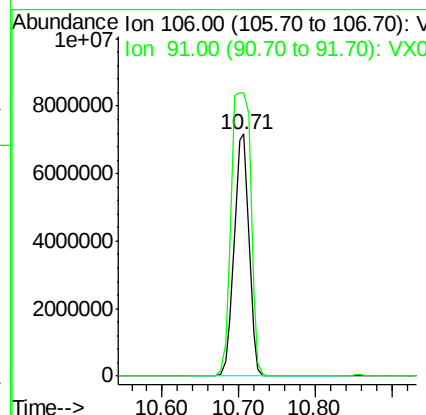
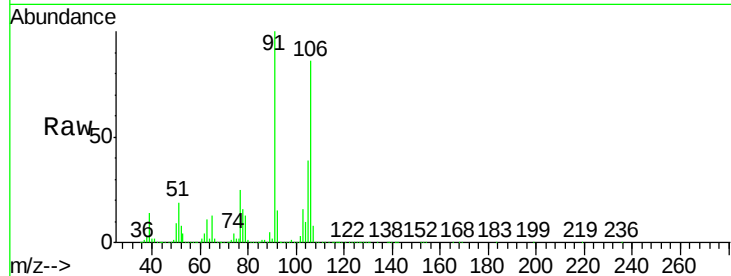
#69
o-Xylene
Concen: 971.226 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. 0.01 min
Lab File: VX007616.D
Acq: 19 Feb 2019 16:30

Instrument :
MSVOA_X
ClientSampleId :
MW-1MS

Tot Ion:106 Resp: 9611418
Ion Ratio Lower Upper
106 100
91 154.8 102.9 308.7

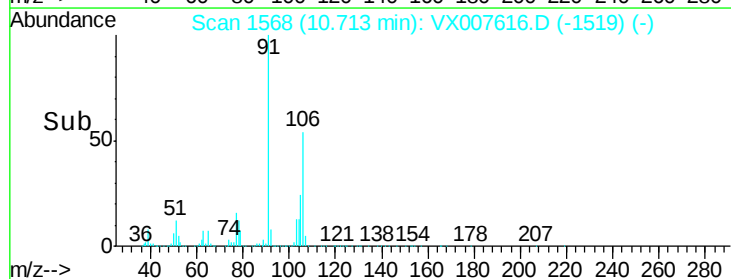
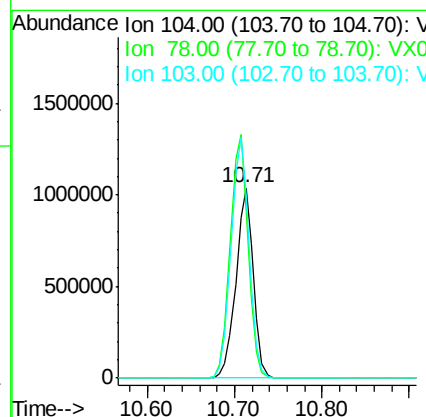
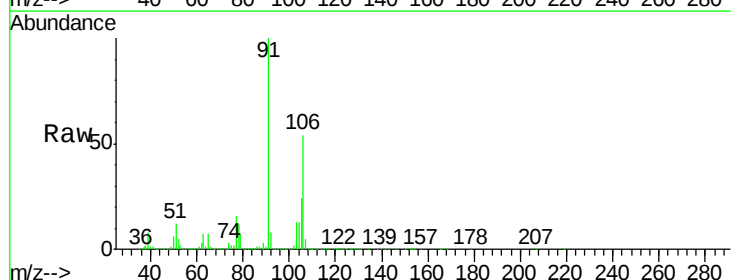
Manual Integrations
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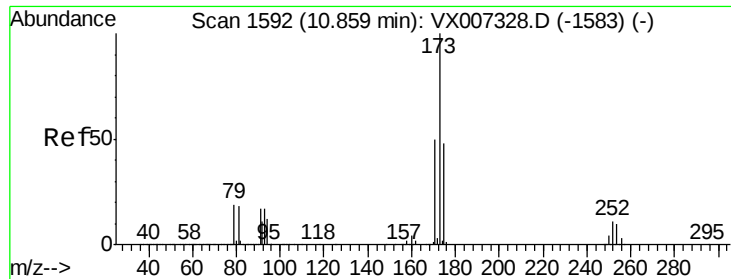
MMDadoda
2/20/2019 10:34:52 AM



#70
Styrene
Concen: 89.697 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX007616.D
Acq: 19 Feb 2019 16:30

Tgt Ion:104 Resp: 1439577
Ion Ratio Lower Upper
104 100
78 129.9 38.3 57.5#
103 129.2 44.6 67.0#





#71

Bromoform

Concen: 49.521 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX007616.D

Acq: 19 Feb 2019 16:30

Instrument :

MSVOA_X

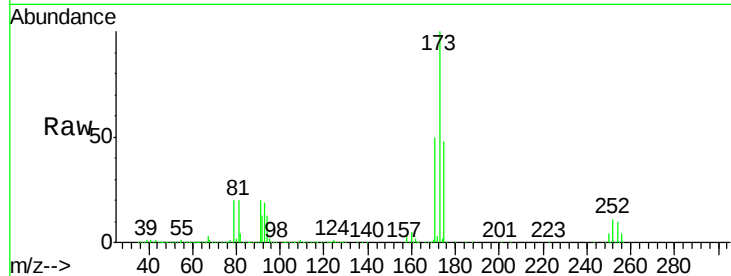
ClientSampleId :

MW-1MS

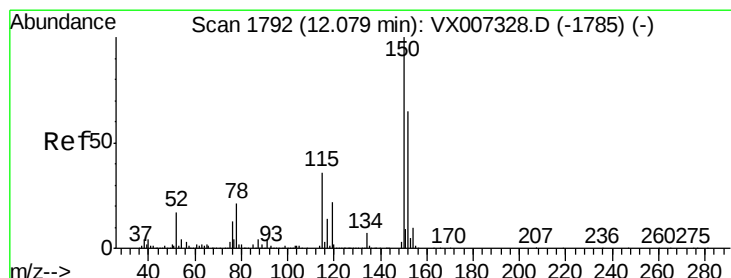
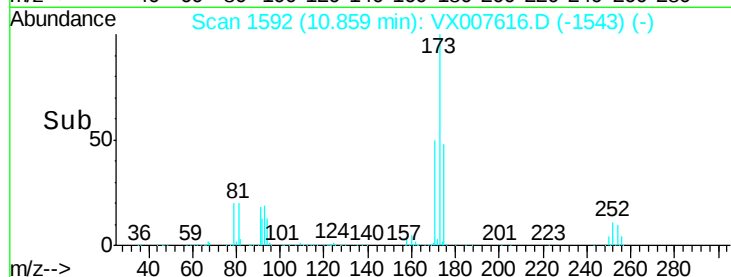
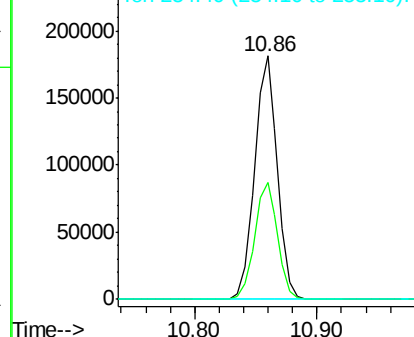
Tot Ion:	173	Resp:	233751
Ion Ratio	Lower	Upper	
173	100		
175	48.7	24.2	72.6
254	0.2	0.2	0.2

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

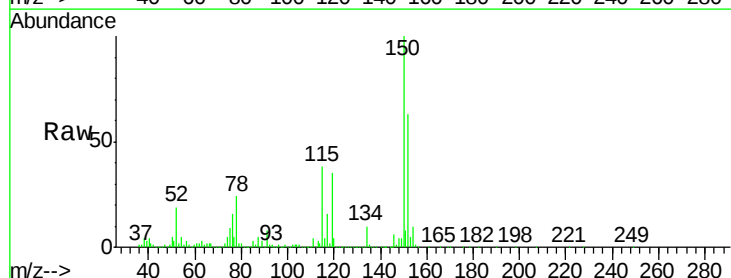
RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

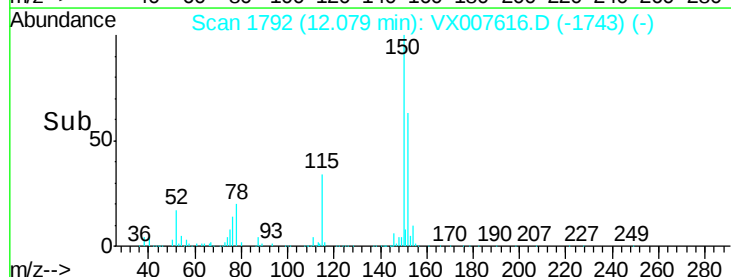
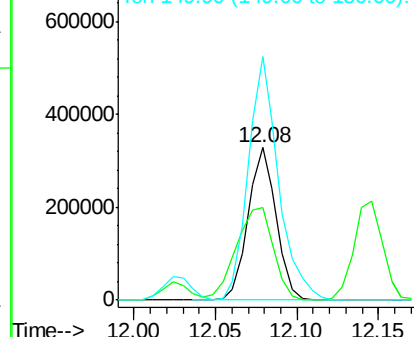
Lab File: VX007616.D

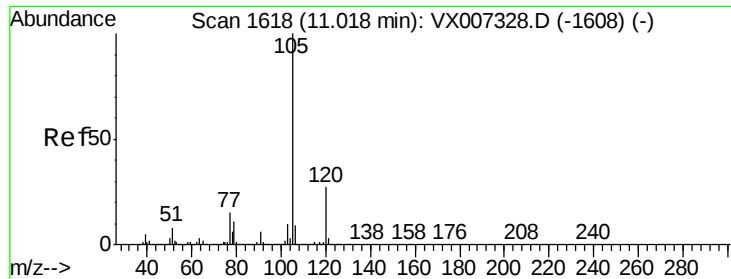
Acq: 19 Feb 2019 16:30

Tgt Ion:	152	Resp:	391033
Ion Ratio	Lower	Upper	
152	100		
115	80.1	38.0	114.0
150	173.2	0.0	346.4



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





#73

Isopropylbenzene

Concen: 156.496 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX007616.D

Acq: 19 Feb 2019 16:30

Instrument :

MSVOA_X

ClientSampleId :

MW-1MS

Tot Ion:105 Resp: 4158531

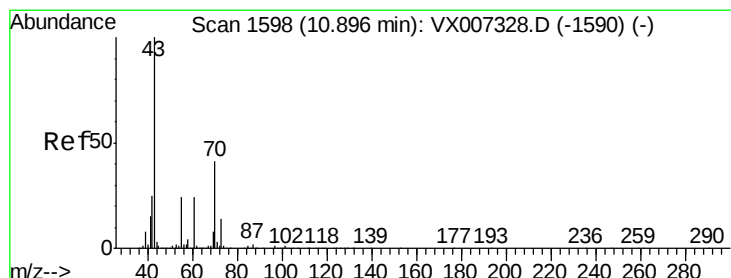
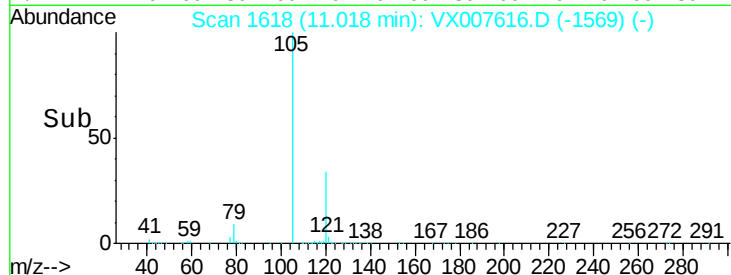
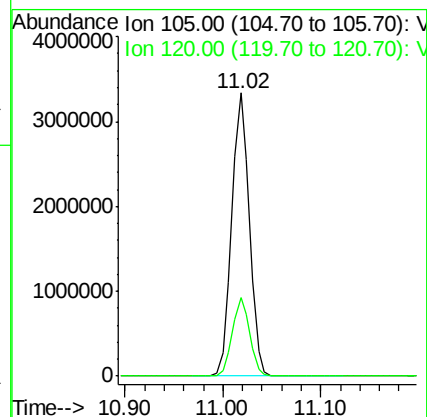
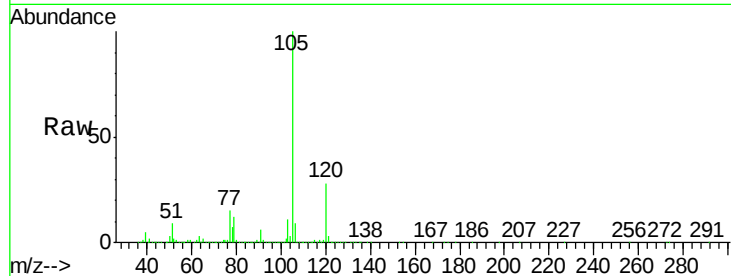
Ion Ratio Lower Upper

105 100

120 27.4 13.6 40.7

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#74

N-ethyl acetate

Concen: 57.650 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX007616.D

Acq: 19 Feb 2019 16:30

Tgt Ion: 43 Resp: 592529

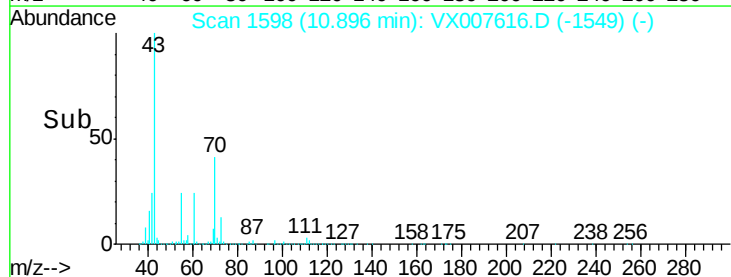
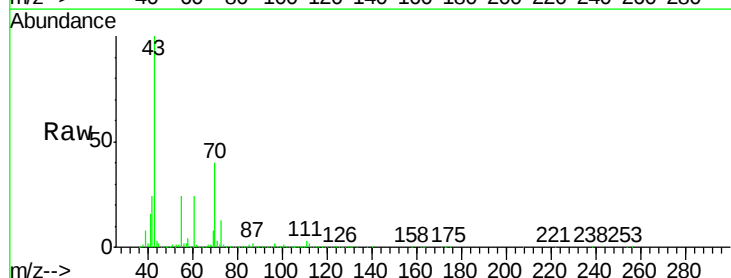
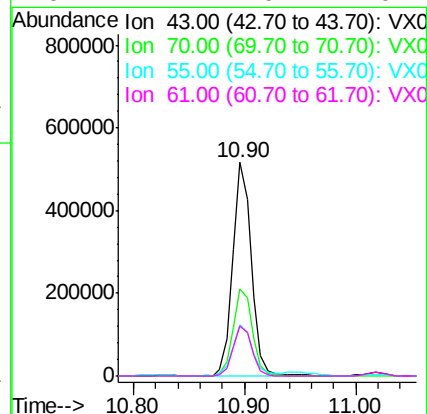
Ion Ratio Lower Upper

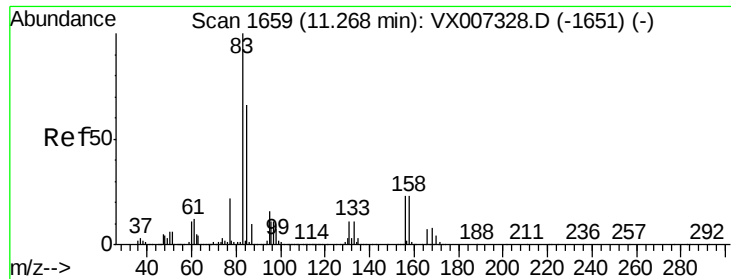
43 100

70 42.1 33.8 50.6

55 25.1 19.5 29.3

61 24.1 19.4 29.2





#75

1,1,2,2-Tetrachloroethane

Concen: 52.973 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX007616.D

Acq: 19 Feb 2019 16:30

Instrument :

MSVOA_X

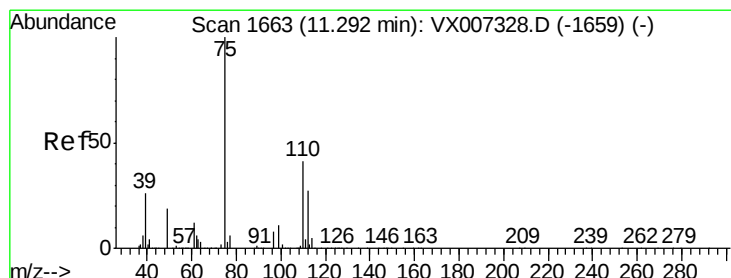
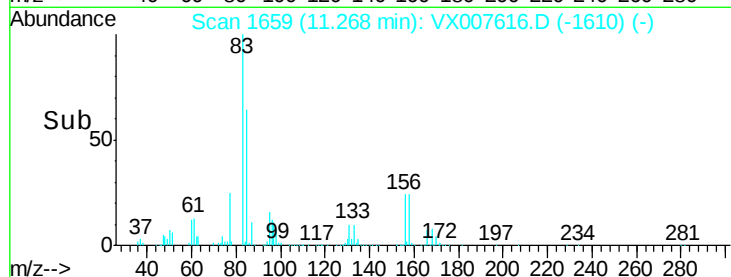
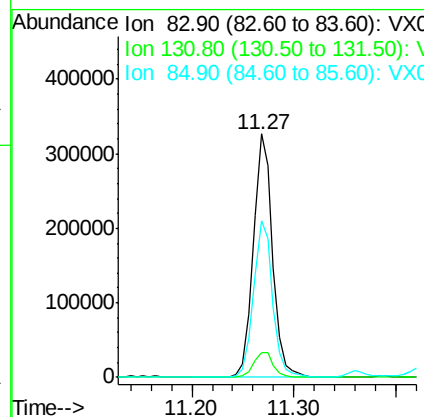
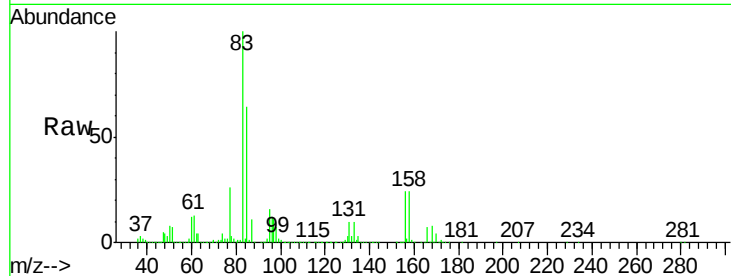
ClientSampleId :

MW-1MS

Tot Ion:	83	Resp:	428996
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.7	17.0
85	63.7	32.8	98.3

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#76

1,2,3-Trichloropropane

Concen: 52.303 ug/l

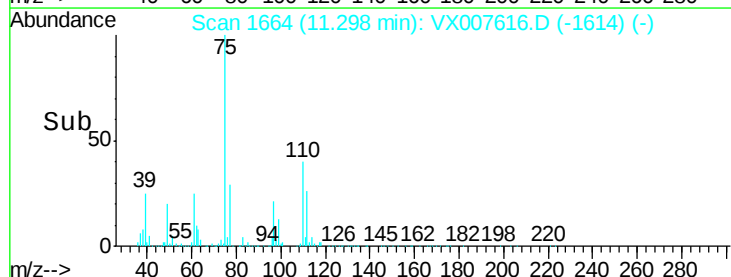
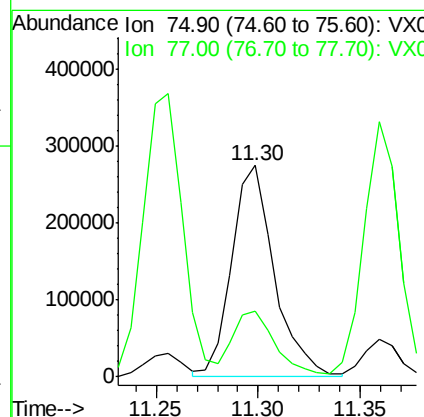
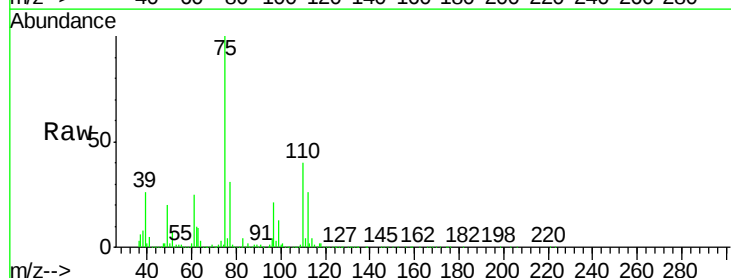
RT: 11.30 min Scan# 1664

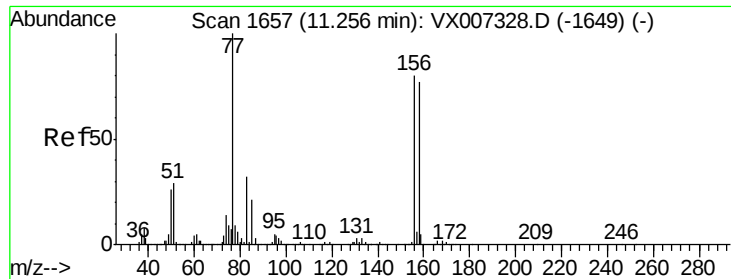
Delta R.T. 0.01 min

Lab File: VX007616.D

Acq: 19 Feb 2019 16:30

Tgt Ion:	75	Resp:	397823
Ion Ratio	Lower	Upper	
75	100		
77	0.0	23.0	69.0#





#77

Bromobenzene

Concen: 45.678 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX007616.D

Acq: 19 Feb 2019 16:30

Instrument :

MSVOA_X

ClientSampled :

MW-1MS

Tot Ion:156 Resp: 341992

Ion Ratio Lower Upper

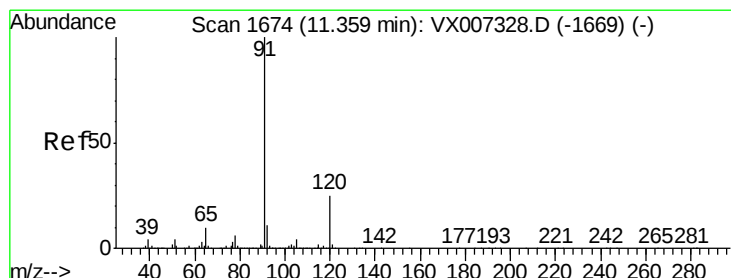
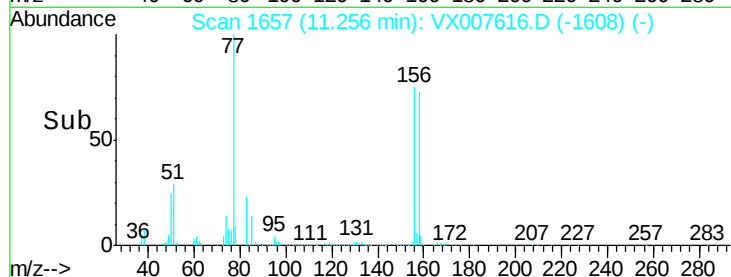
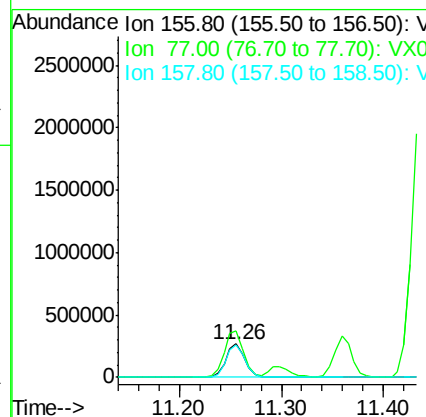
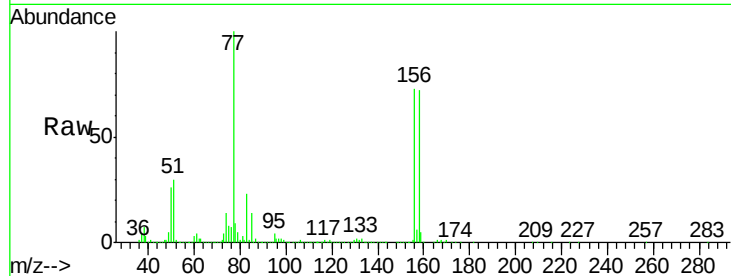
156 100

77 144.1 66.8 200.6

158 97.6 47.9 143.8

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#78

n-propylbenzene

Concen: 325.838 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX007616.D

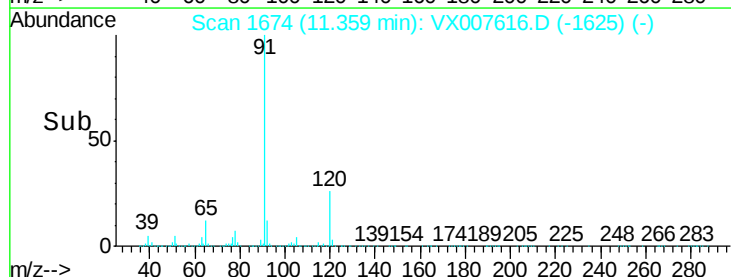
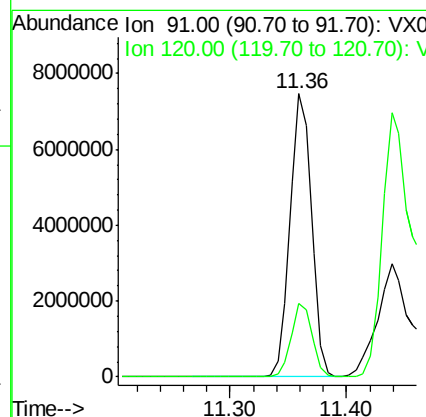
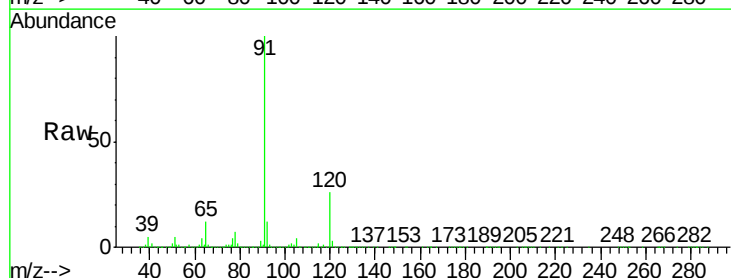
Acq: 19 Feb 2019 16:30

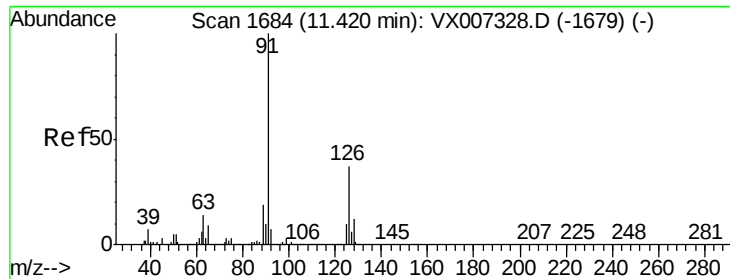
Tgt Ion: 91 Resp: 9494504

Ion Ratio Lower Upper

91 100

120 25.2 12.4 37.2





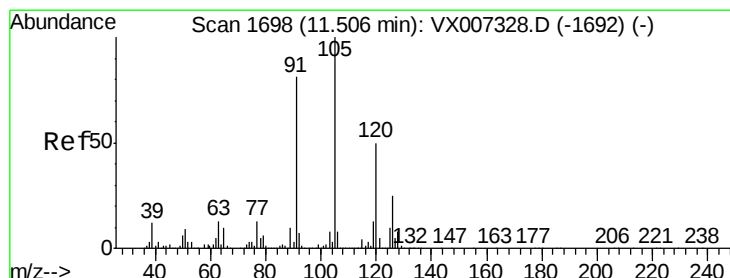
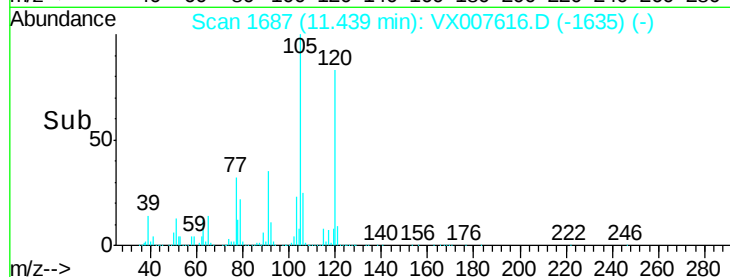
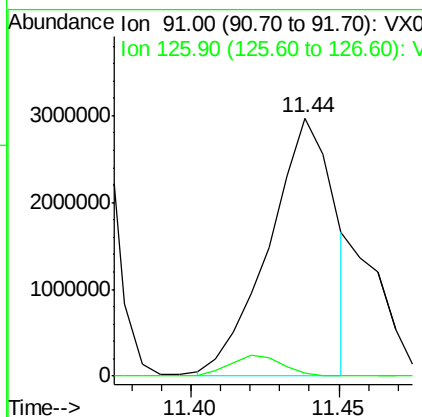
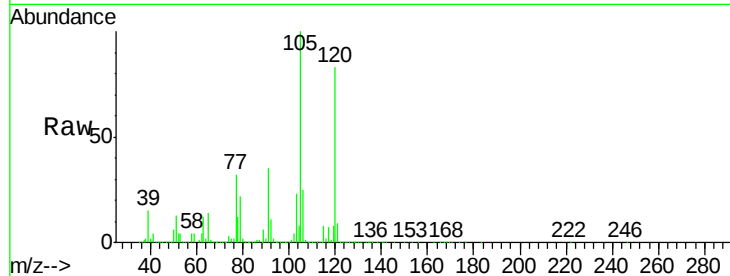
#79
2-Chlorotoluene
Concen: 260.890 ug/l m
RT: 11.44 min Scan# 1687
Delta R.T. 0.02 min
Lab File: VX007616.D
Acq: 19 Feb 2019 16:30

Instrument :
MSVOA_X
ClientSampled :
MW-1MS

Tot Ion: 91 Resp: 4612741
Ion Ratio Lower Upper
91 100
126 6.7 18.7 56.1#

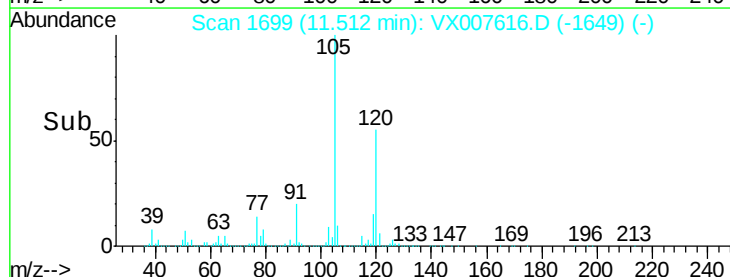
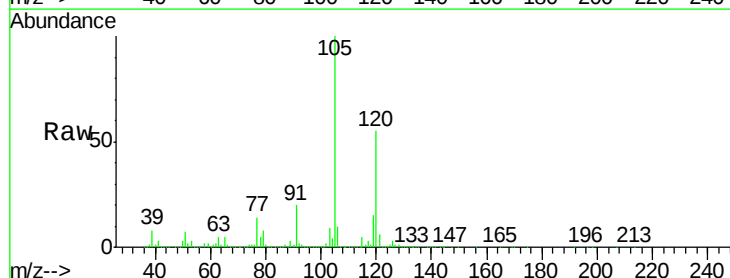
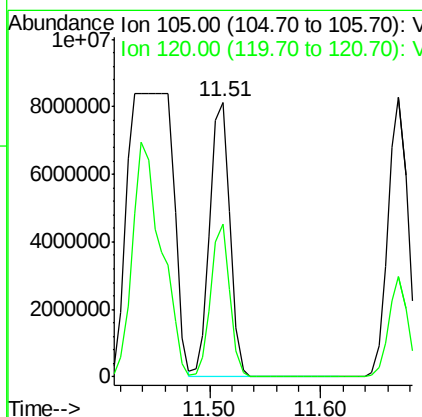
Manual Integrations
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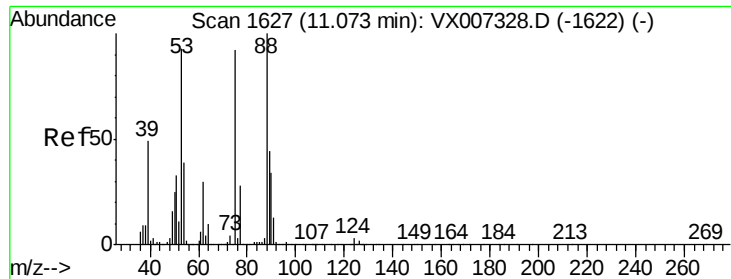
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 471.356 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.01 min
Lab File: VX007616.D
Acq: 19 Feb 2019 16:30

Tgt Ion: 105 Resp: 10247181
Ion Ratio Lower Upper
105 100
120 52.2 25.3 75.8





#81

trans-1,4-Dichloro-2-butene

Concen: 5.355 ug/l m

RT: 11.08 min Scan# 1628

Delta R.T. 0.01 min

Lab File: VX007616.D

Acq: 19 Feb 2019 16:30

Instrument :

MSVOA_X

ClientSampled :

MW-1MS

Tot Ion: 75 Resp: 3028

Ion Ratio Lower Upper

75 100

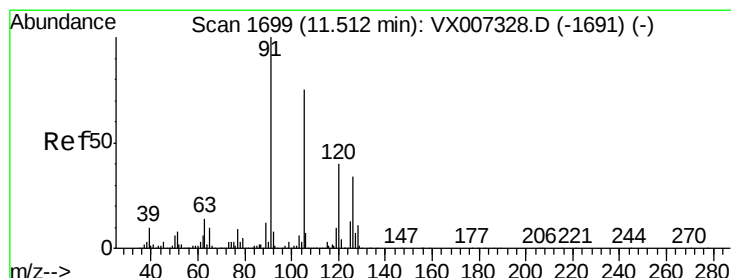
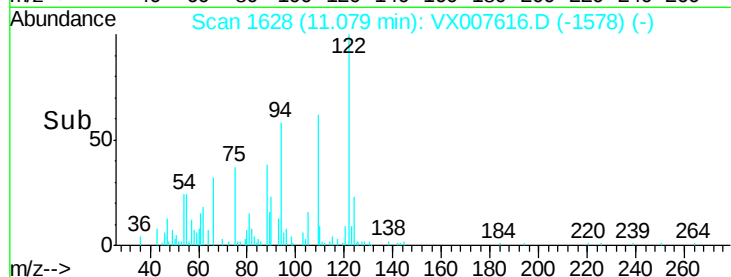
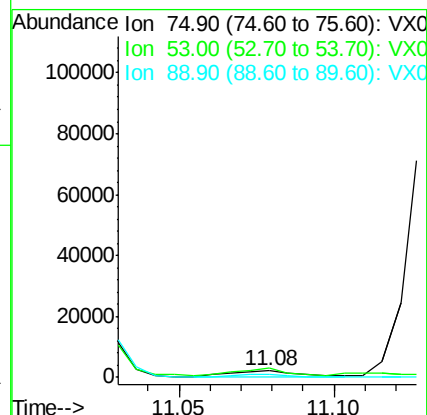
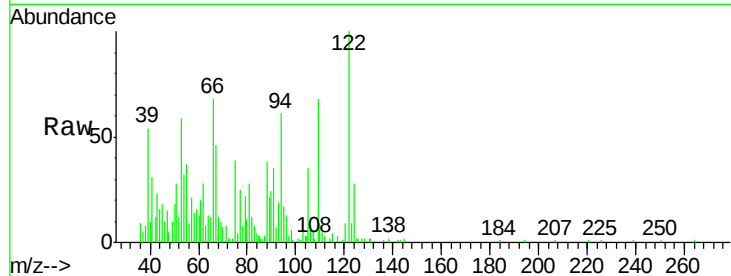
53 1504.0 81.0 121.6

89 1703.5 41.4 62.0

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#82

4-Chlorotoluene

Concen: 101.791 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX007616.D

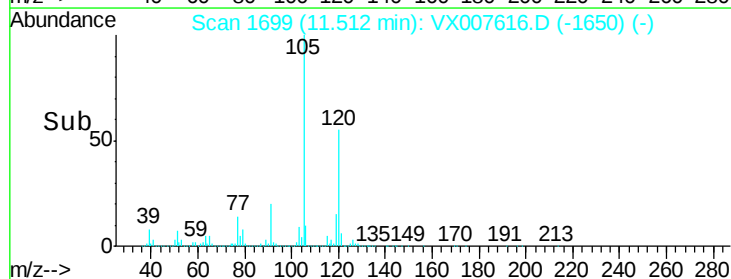
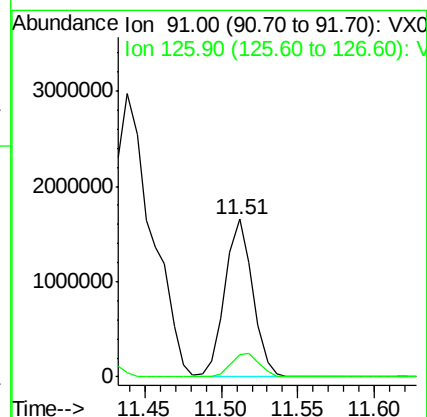
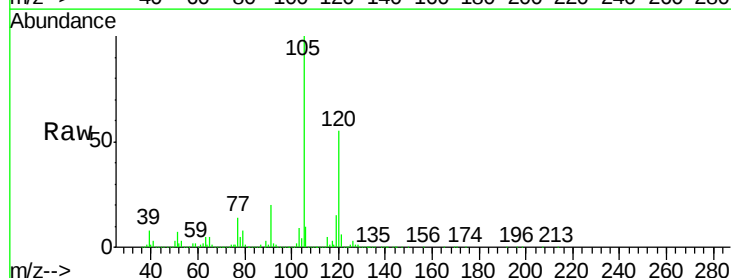
Acq: 19 Feb 2019 16:30

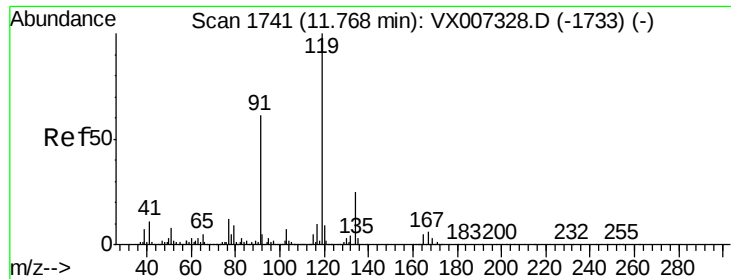
Tgt Ion: 91 Resp: 2082494

Ion Ratio Lower Upper

91 100

126 15.3 16.2 48.5#





#83

tert-Butylbenzene

Concen: 48.609 ug/l

RT: 11.77 min Scan# 1742

Delta R.T. 0.01 min

Lab File: VX007616.D

Acq: 19 Feb 2019 16:30

Instrument :

MSVOA_X

ClientSampled :

MW-1MS

Tot Ion:119 Resp: 1046246

Ion Ratio Lower Upper

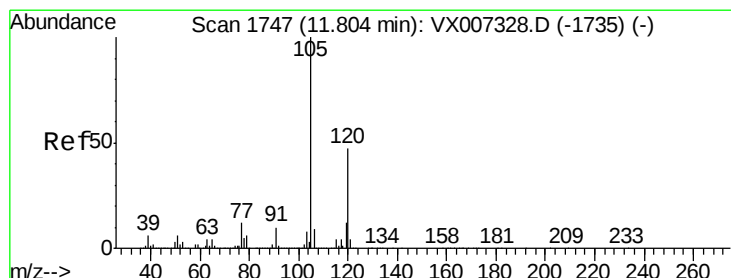
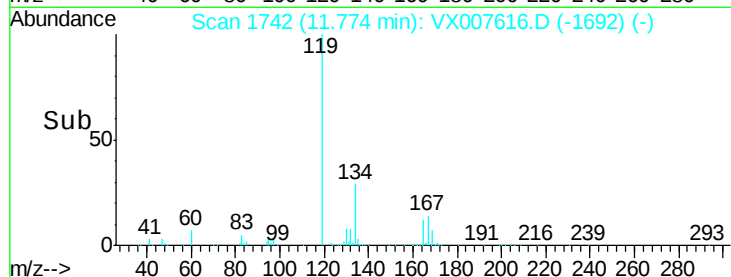
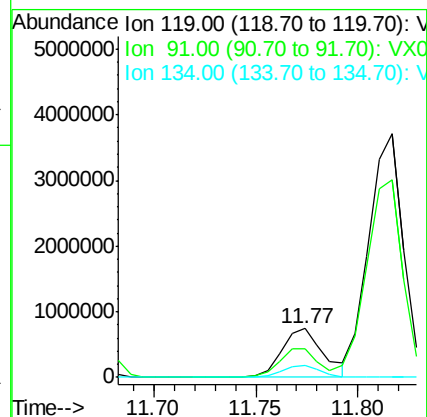
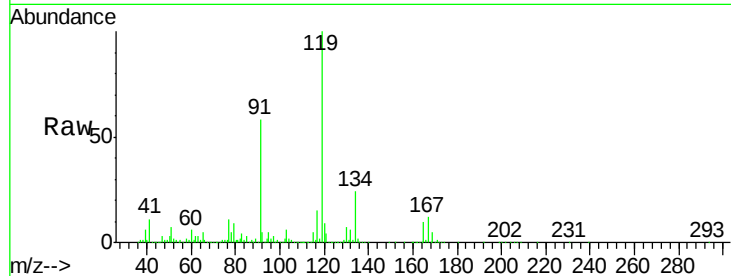
119 100

91 54.6 28.5 85.6

134 22.6 12.0 36.0

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 735.709 ug/l m

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX007616.D

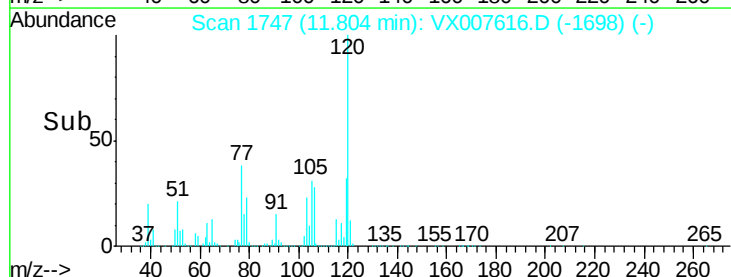
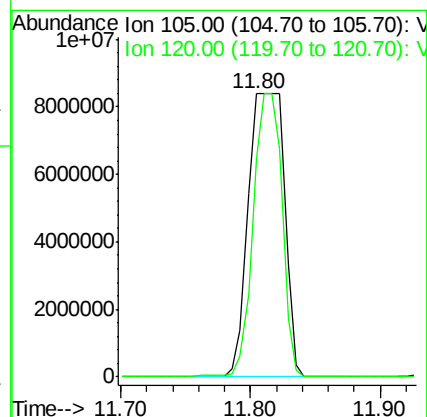
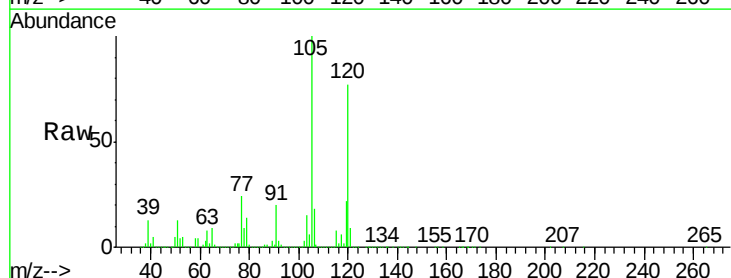
Acq: 19 Feb 2019 16:30

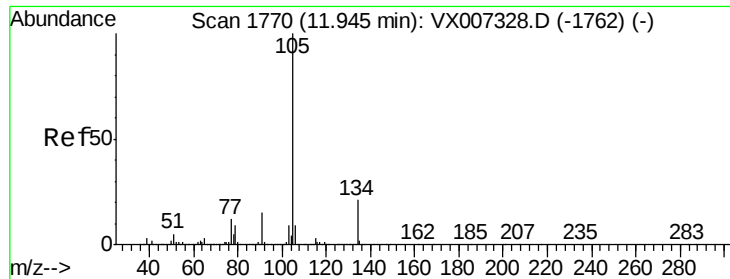
Tgt Ion:105 Resp:16237807

Ion Ratio Lower Upper

105 100

120 21.5 23.1 69.3#





#85

sec-Butylbenzene

Concen: 57.213 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX007616.D

Acq: 19 Feb 2019 16:30

Instrument :

MSVOA_X

ClientSampled :

MW-1MS

Tot Ion:105 Resp: 1490412

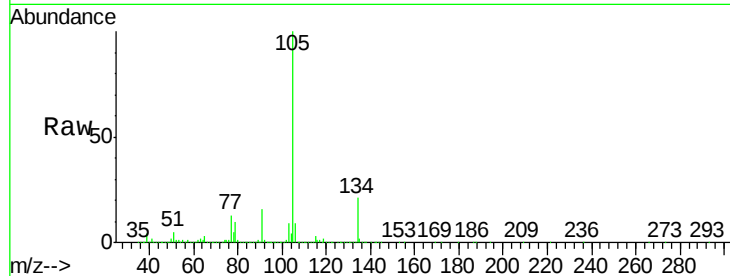
Ion Ratio Lower Upper

105 100

134 24.3 10.6 31.8

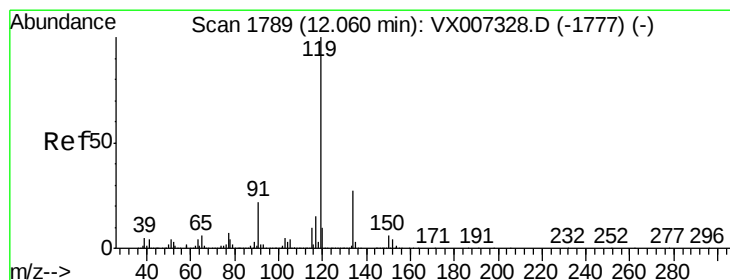
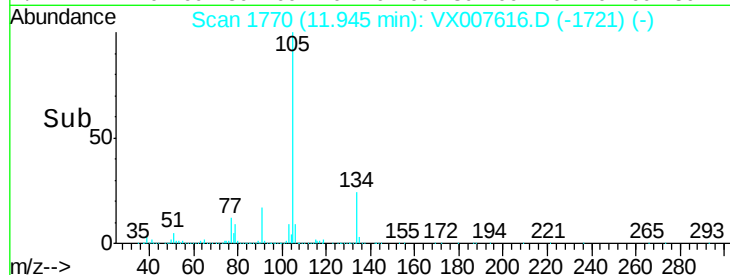
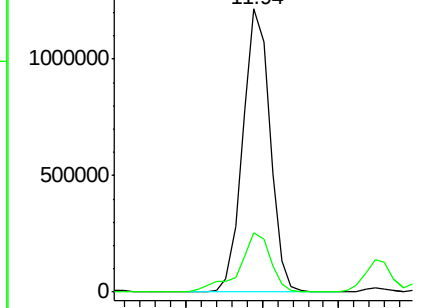
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 53.732 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.01 min

Lab File: VX007616.D

Acq: 19 Feb 2019 16:30

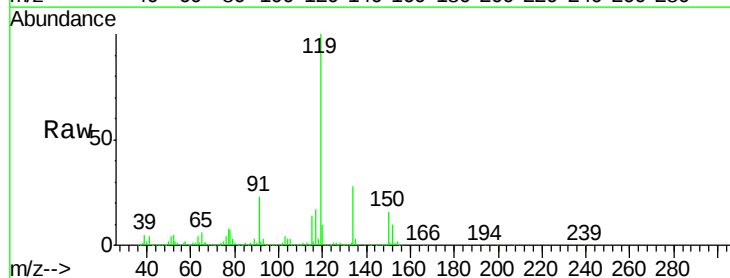
Tgt Ion:119 Resp: 1263554

Ion Ratio Lower Upper

119 100

134 27.1 13.7 41.1

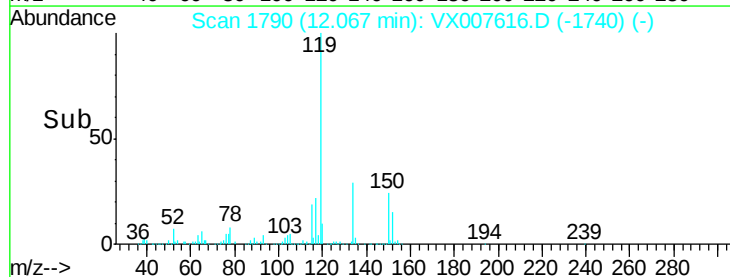
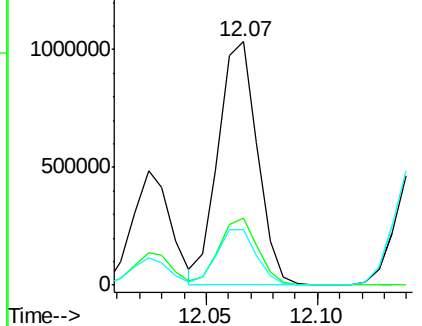
91 23.1 11.2 33.5

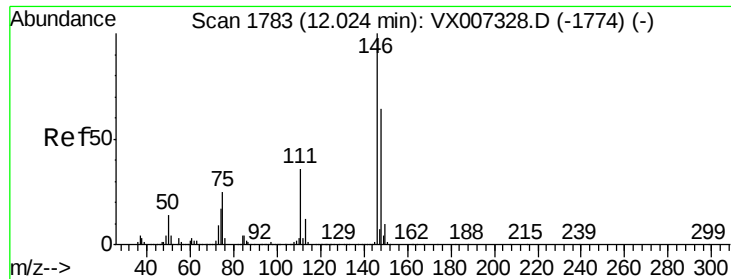


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





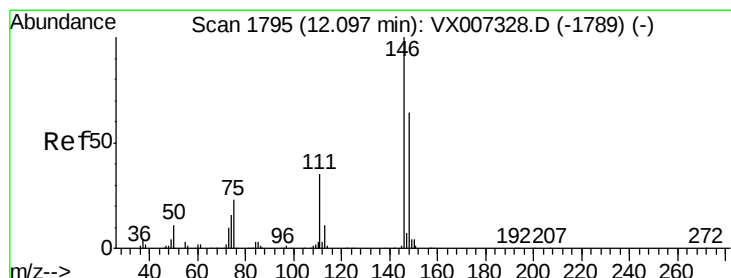
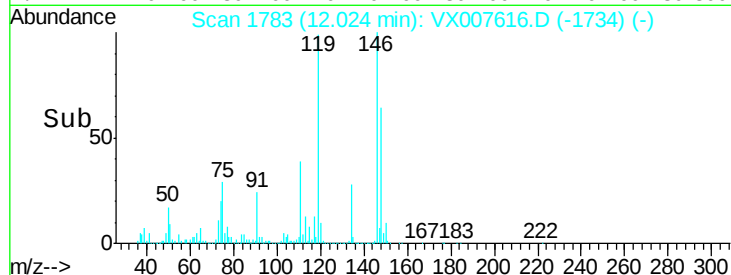
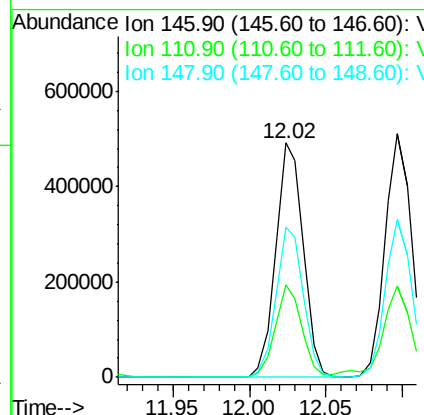
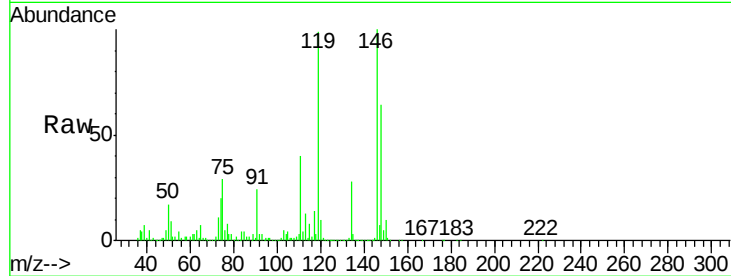
#87
 1,3-Dichlorobenzene
 Concen: 45.721 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX007616.D
 Acq: 19 Feb 2019 16:30

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-1MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	18.1	54.1
148	63.9	32.0	96.2

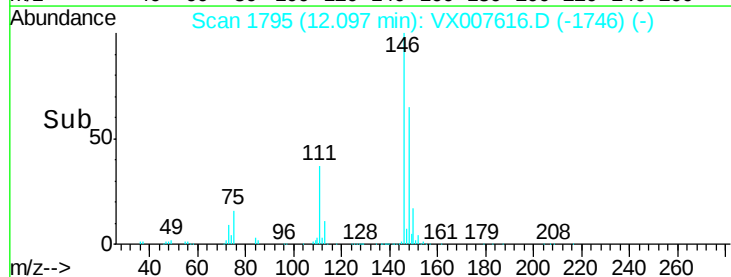
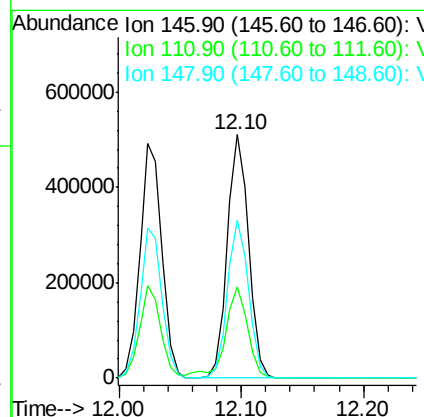
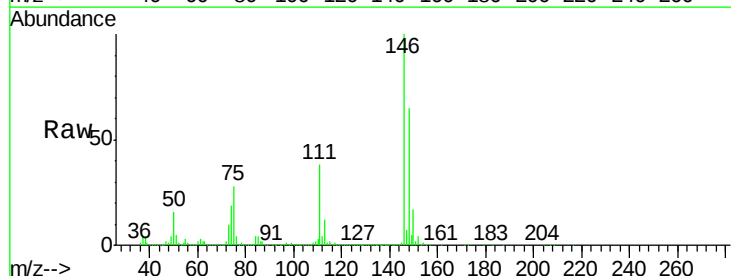
Manual Integrations
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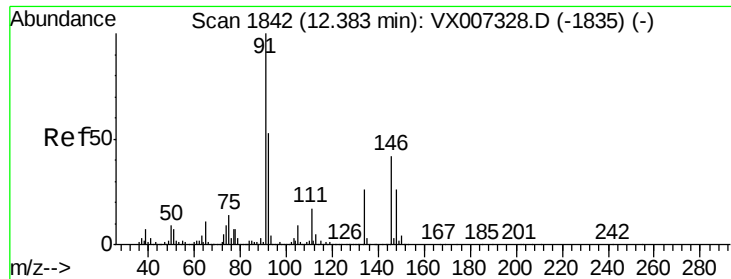
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#88
 1,4-Dichlorobenzene
 Concen: 44.984 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX007616.D
 Acq: 19 Feb 2019 16:30

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.3	18.1	54.1
148	64.5	32.3	96.9





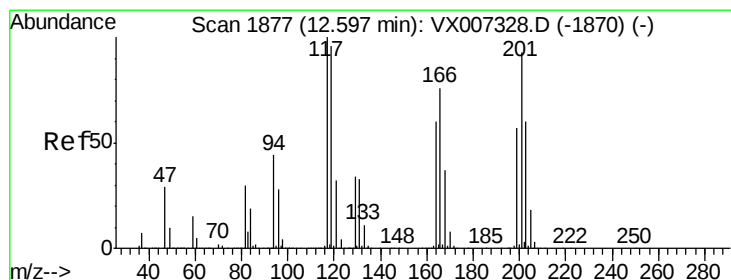
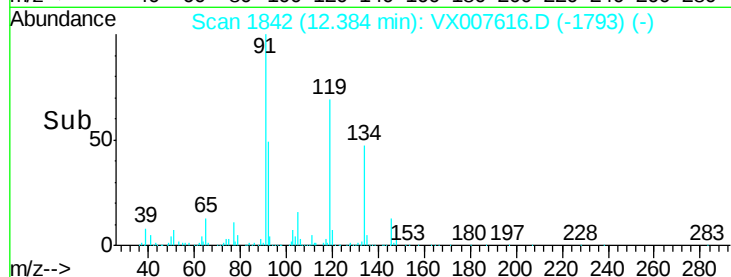
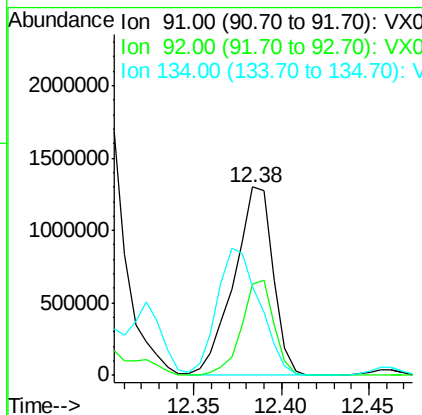
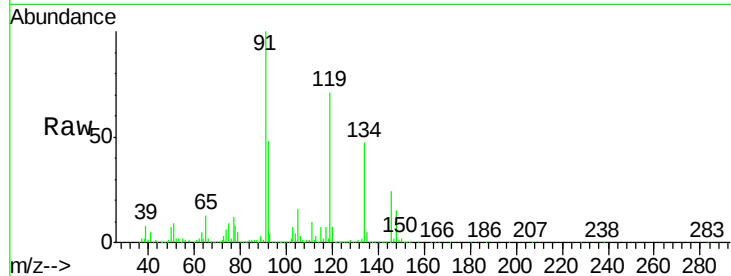
#89
n-Butylbenzene
Concen: 99.915 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX007616.D
Acq: 19 Feb 2019 16:30

Instrument :
MSVOA_X
Client Sampled :
MW-1MS

Tot Ion: 91 Resp: 2021206
Ion Ratio Lower Upper
91 100
92 41.7 26.3 78.9
134 73.5 13.9 41.6#

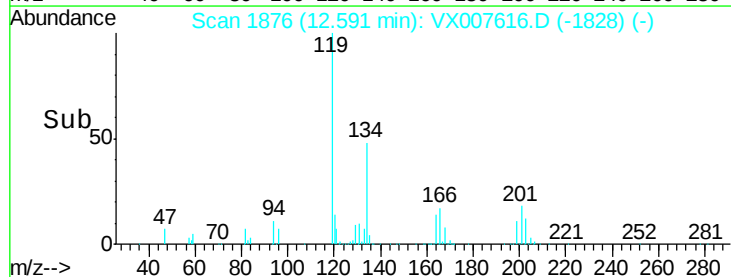
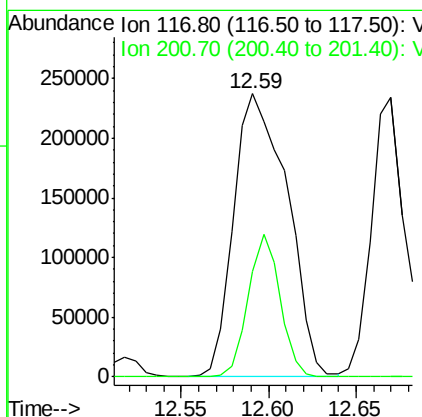
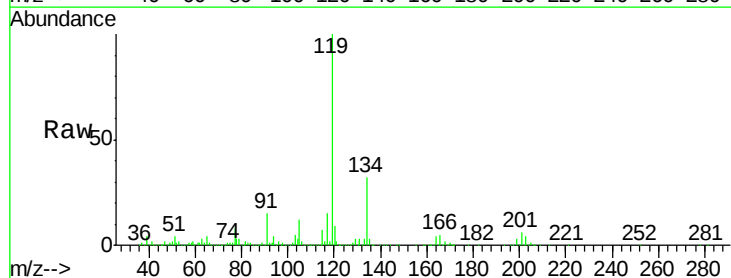
Manual Integrations
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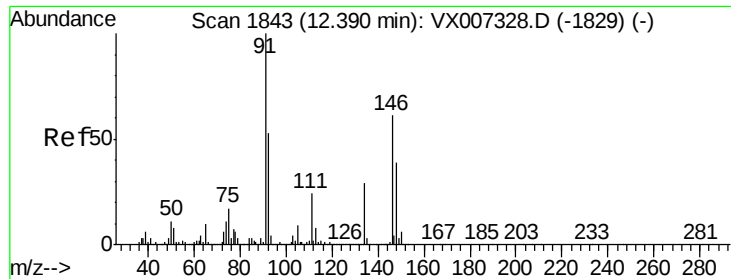
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#90
Hexachloroethane
Concen: 142.595 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX007616.D
Acq: 19 Feb 2019 16:30

Tgt Ion: 117 Resp: 501852
Ion Ratio Lower Upper
117 100
201 30.1 44.9 134.7#





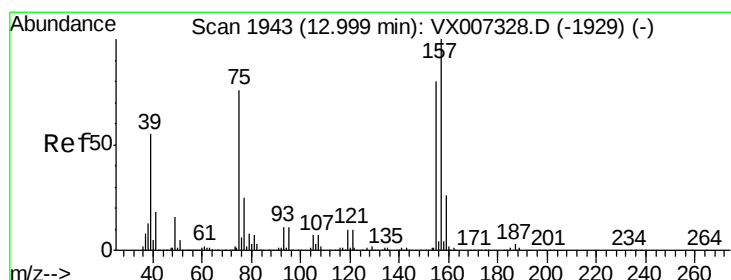
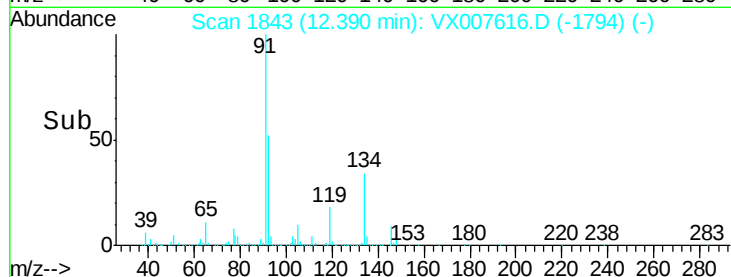
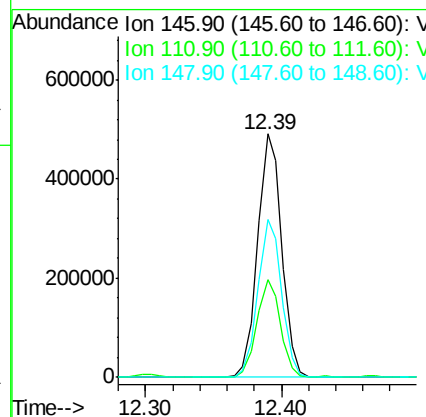
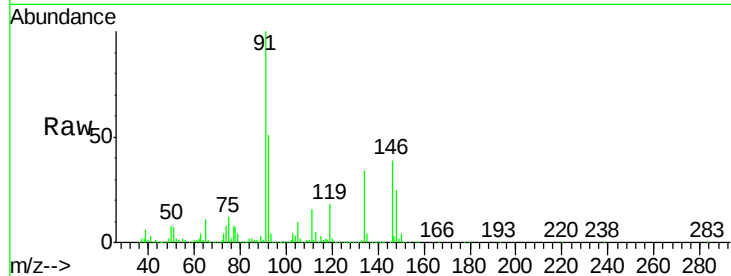
#91
1,2-Dichlorobenzene
Concen: 45.751 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX007616.D
Acq: 19 Feb 2019 16:30

Instrument :
MSVOA_X
ClientSampleId :
MW-1MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.1	57.3
148	63.9	32.1	96.3

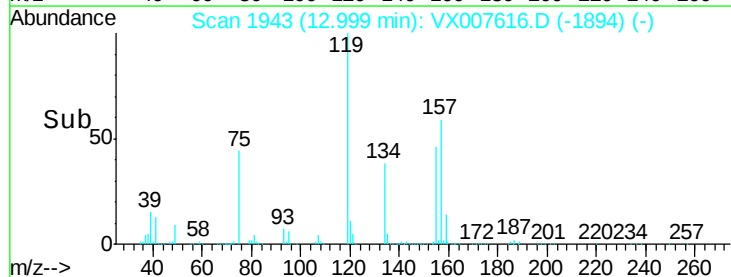
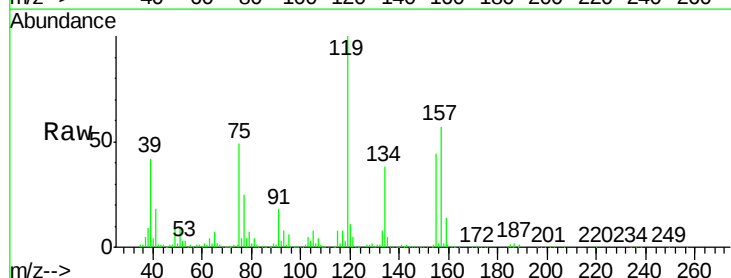
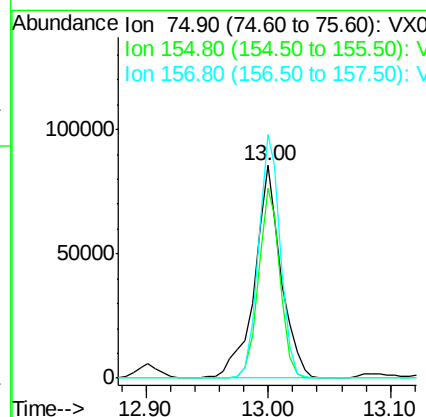
Manual Integrations
APPROVED

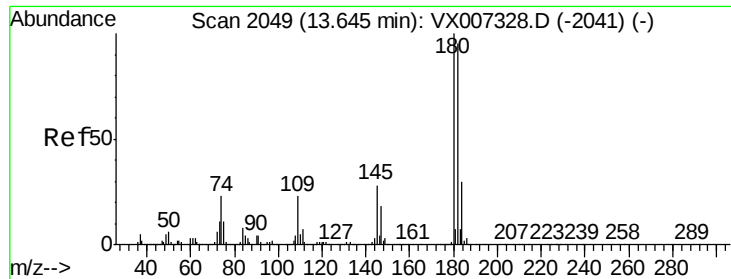
MMDadoda
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#92
1,2-Dibromo-3-Chloropropane
Concen: 76.095 ug/l
RT: 13.00 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VX007616.D
Acq: 19 Feb 2019 16:30

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.1	49.6	149.0
157	95.0	65.1	195.3





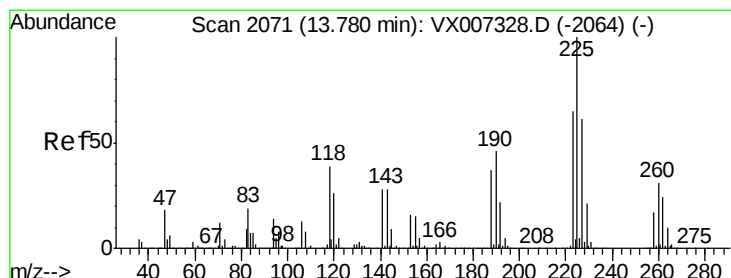
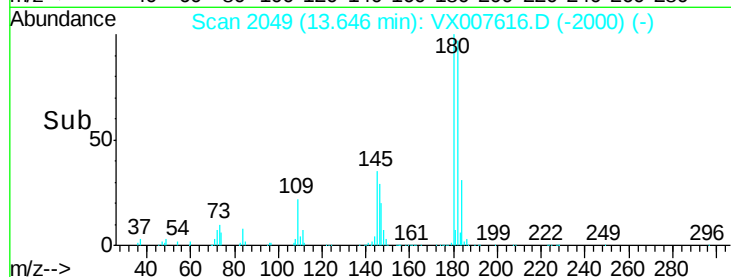
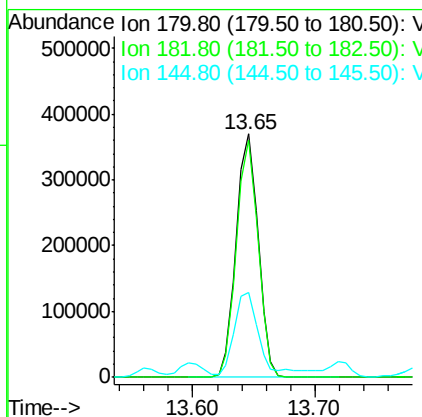
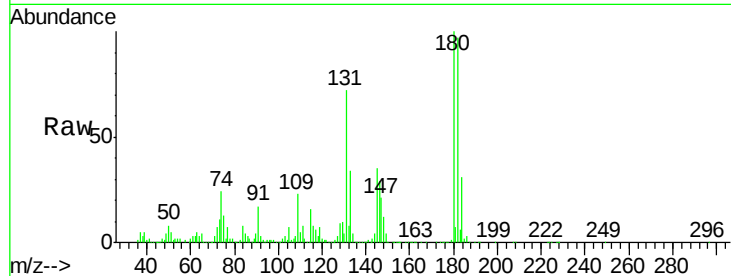
#93
 1,2,4-Trichlorobenzene
 Concen: 50.925 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX007616.D
 Acq: 19 Feb 2019 16:30

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-1MS

Tot Ion	Ratio	Resp	Lower	Upper
180	100	459237		
182	96.0	47.8	143.3	
145	40.7	14.1	42.2	

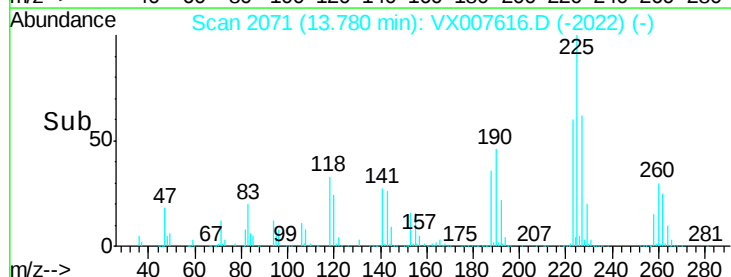
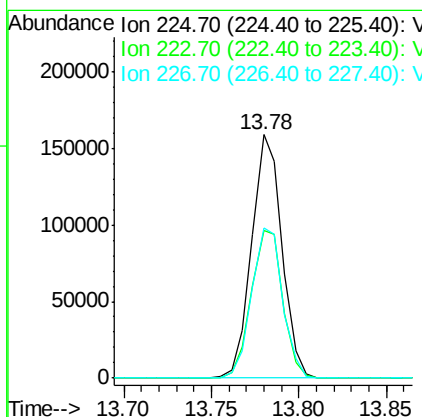
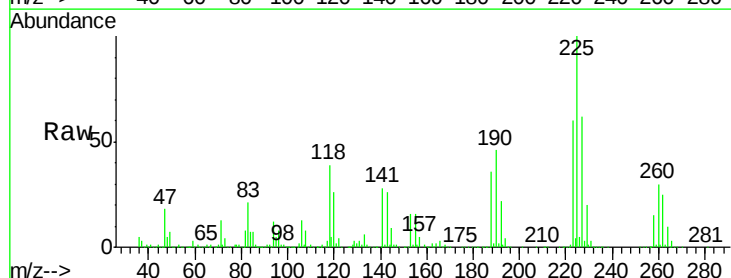
Manual Integrations
 APPROVED

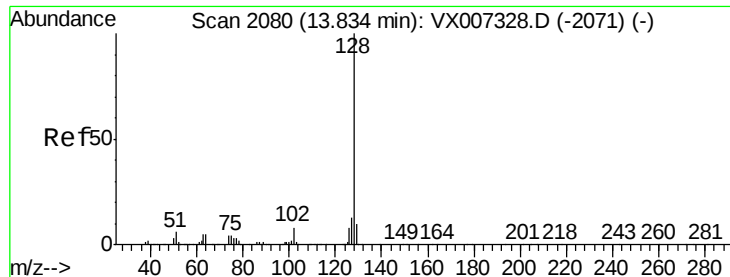
MMDadoda
 2/20/2019 10:34:52 AM



#94
 Hexachlorobutadiene
 Concen: 43.536 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX007616.D
 Acq: 19 Feb 2019 16:30

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	190642		
223	63.1	31.6	94.8	
227	63.0	32.1	96.3	





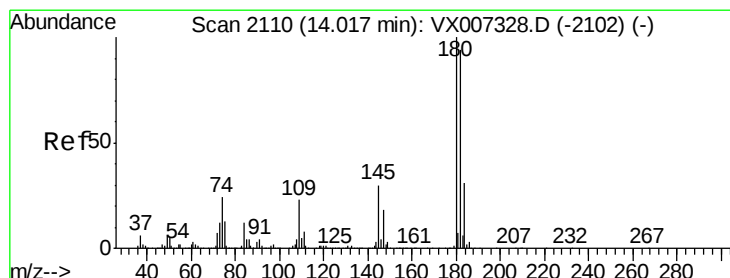
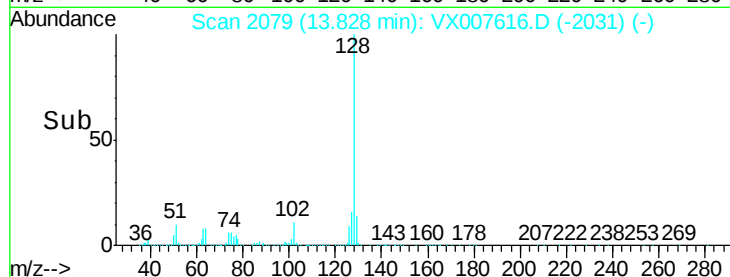
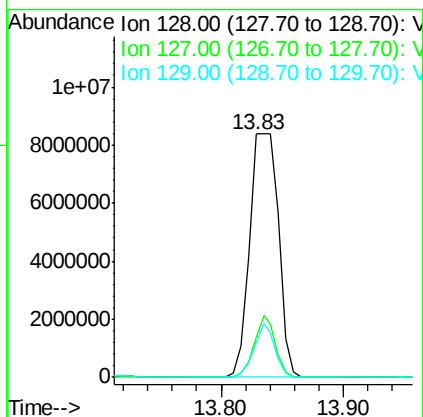
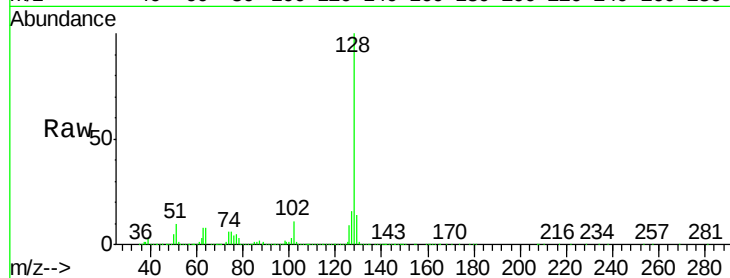
#95
Naphthalene
Concen: 524.865 ug/l
RT: 13.83 min Scan# 2079
Delta R.T. -0.01 min
Lab File: VX007616.D
Acq: 19 Feb 2019 16:30

Instrument :
MSVOA_X
ClientSampled :
MW-1MS

Tot Ion:128 Resp:13841437
Ion Ratio Lower Upper
128 100
127 18.6 10.5 15.7#
129 16.1 8.7 13.1#

Manual Integrations
APPROVED

MMDadoda
2/20/2019 10:34:52 AM



#96
1,2,3-Trichlorobenzene
Concen: 50.334 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX007616.D
Acq: 19 Feb 2019 16:30

Tgt Ion:180 Resp: 456905
Ion Ratio Lower Upper
180 100
182 94.4 47.5 142.6
145 33.6 14.9 44.5

