

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX020719\
 Data File : VX007414.D
 Acq On : 07 Feb 2019 10:00
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 2/11/2019 12:27:48 PM

Quant Time: Feb 08 22:05:49 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	5.66	168	522674	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	746283	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	694865	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	371603	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	266696	48.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.14%	
35) Dibromofluoromethane	5.50	113	240934	49.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.24%	
50) Toluene-d8	8.71	98	910534	50.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.08%	
62) 4-Bromofluorobenzene	11.13	95	335035	50.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	321322	50.028	ug/l	100
3) Chloromethane	1.33	50	272504	46.288	ug/l	99
4) Vinyl Chloride	1.41	62	290965	50.379	ug/l	100
5) Bromomethane	1.64	94	271859	47.582	ug/l	100
6) Chloroethane	1.72	64	177907	47.618	ug/l	100
7) Trichlorofluoromethane	1.93	101	439330	48.626	ug/l	100
8) Diethyl Ether	2.19	74	158095	46.491	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	257849	47.979	ug/l	99
10) Methyl Iodide	2.51	142	362899	45.903	ug/l	100
11) Tert butyl alcohol	3.07	59	285107	248.327	ug/l	99
12) 1,1-Dichloroethene	2.37	96	234552	47.000	ug/l	98
13) Acrolein	2.29	56	133234	247.472	ug/l	98
14) Allyl chloride	2.73	41	398472	49.004	ug/l	99
15) Acrylonitrile	3.15	53	680893	239.735	ug/l	100
16) Acetone	2.45	43	687195	270.413	ug/l	99
17) Carbon Disulfide	2.57	76	594088	45.715	ug/l	100
18) Methyl Acetate	2.78	43	353618	53.365	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	773390	47.835	ug/l	96
20) Methylene Chloride	2.86	84	258182	49.737	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	248235	46.695	ug/l	99
22) Diisopropyl ether	3.87	45	752285	50.296	ug/l	99
23) Vinyl Acetate	3.82	43	3304841	266.267	ug/l	100
24) 1,1-Dichloroethane	3.70	63	438293	51.027	ug/l	98
25) 2-Butanone	4.70	43	934661	258.440	ug/l	99
26) 2,2-Dichloropropane	4.58	77	329305	50.342	ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	269331	46.384	ug/l	99
28) Bromochloromethane	5.02	49	183919	46.561	ug/l	99
29) Tetrahydrofuran	5.15	42	582007	255.876	ug/l	99
30) Chloroform	5.21	83	433218	48.334	ug/l	98
31) Cyclohexane	5.58	56	369007	47.833	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	377667	49.918	ug/l	99
36) 1,1-Dichloropropene	5.80	75	320084	47.803	ug/l	100
37) Ethyl Acetate	4.85	43	335554	49.574	ug/l	99
38) Carbon Tetrachloride	5.78	117	335749	51.685	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	410182	50.631	ug/l	97
40) Benzene	6.14	78	973400	49.350	ug/l	98
41) Methacrylonitrile	5.06	41	184800	50.941	ug/l	98
42) 1,2-Dichloroethane	6.20	62	330077	48.367	ug/l	99
43) Isopropyl Acetate	6.45	43	538158	51.510	ug/l	100
44) Trichloroethene	7.21	130	286729	48.267	ug/l	98
45) 1,2-Dichloropropane	7.51	63	241524	48.872	ug/l	100
46) Dibromomethane	7.66	93	173387	48.272	ug/l	99
47) Bromodichloromethane	7.90	83	312624	51.356	ug/l	100
48) Methyl methacrylate	7.77	41	279330	53.451	ug/l	100
49) 1,4-Dioxane	7.75	88	125380	1054.596	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	1790241	260.294	ug/l	100
52) Toluene	8.78	92	638319	50.159	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	352598	53.925	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	385456	53.605	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	259417	48.903	ug/l	98
56) Ethyl methacrylate	9.18	69	380846	51.837	ug/l	98
57) 1,3-Dichloropropane	9.37	76	419185	49.690	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	1025841	264.904	ug/l	99
59) 2-Hexanone	9.49	43	1404692	262.459	ug/l	100
60) Dibromochloromethane	9.58	129	279382	55.687	ug/l	100
61) 1,2-Dibromoethane	9.67	107	285105	50.751	ug/l	99
64) Tetrachloroethene	9.34	164	303772	46.382	ug/l	98
65) Chlorobenzene	10.13	112	735809	48.526	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	265687	52.261	ug/l	99
67) Ethyl Benzene	10.25	91	1234831	50.569	ug/l	99
68) m/p-Xylenes	10.36	106	967872	99.711	ug/l	98
69) o-Xylene	10.69	106	470544	50.378	ug/l	99
70) Styrene	10.71	104	766904	50.628	ug/l	100
71) Bromoform	10.85	173	207269	46.768	ug/l #	97
73) Isopropylbenzene	11.02	105	1270400	50.308	ug/l	98
74) N-amyl acetate	10.90	43	484467	49.601	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	380036	49.381	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	368635m	51.000	ug/l	
77) Bromobenzene	11.26	156	342780	48.177	ug/l	99
78) n-propylbenzene	11.36	91	1454659	52.532	ug/l	100
79) 2-Chlorotoluene	11.42	91	836011	49.756	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	1052649	50.952	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	115615	49.487	ug/l	96
82) 4-Chlorotoluene	11.51	91	975992	50.200	ug/l	99
83) tert-Butylbenzene	11.77	119	1035019	50.602	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	1074890	51.248	ug/l	99
85) sec-Butylbenzene	11.94	105	1294663	52.297	ug/l	100
86) p-Isopropyltoluene	12.06	119	1168760	52.300	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	619490	48.515	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	620255	47.879	ug/l	99
89) n-Butylbenzene	12.39	91	1009999	52.538	ug/l	99
90) Hexachloroethane	12.60	117	184786	55.250	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	605185	47.624	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	81701	51.056	ug/l	99

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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)
93) 1,2,4-Trichlorobenzene	13.65	180	430069	50.184	ug/l	99
94) Hexachlorobutadiene	13.78	225	209323	50.302	ug/l	99
95) Naphthalene	13.83	128	1278583	51.019	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	423714	49.118	ug/l	100

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

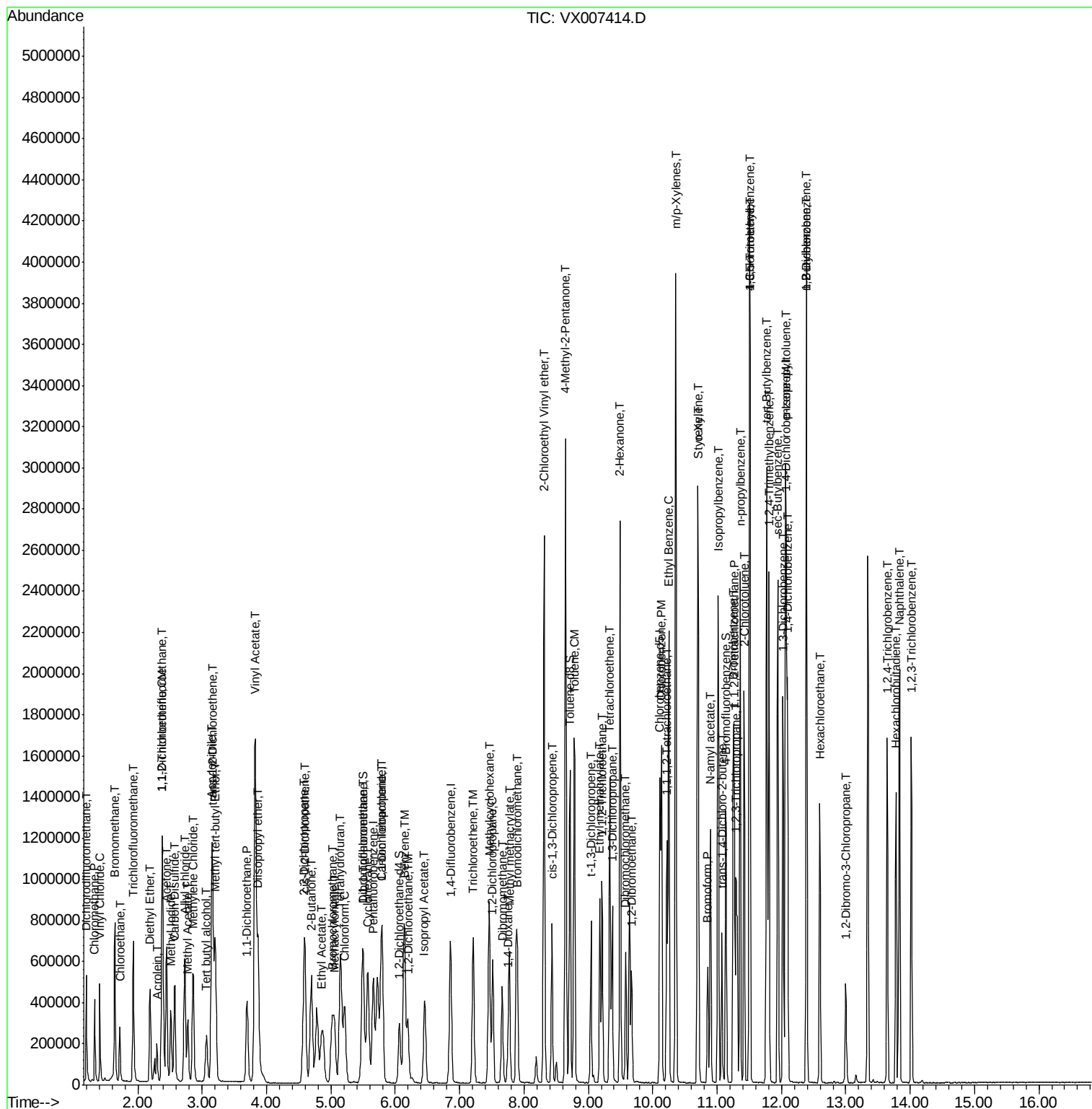
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX020719\
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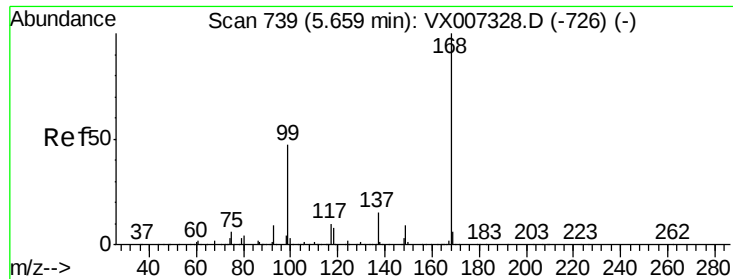
Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050

Manual Integrations
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 Quant Title : SW846 8260
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 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.00 min

Lab File: VX007414.D

Acq: 07 Feb 2019 10:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 522674

Ion Ratio Lower Upper

168 100

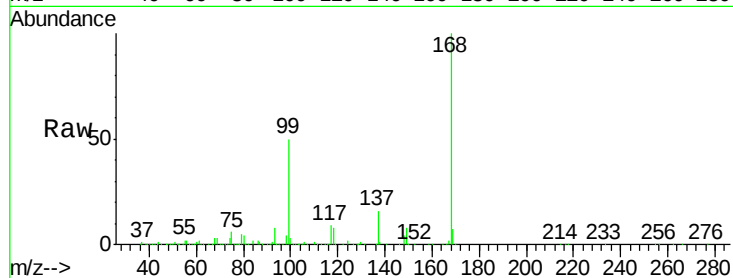
99 49.6 37.9 56.9

Manual Integrations

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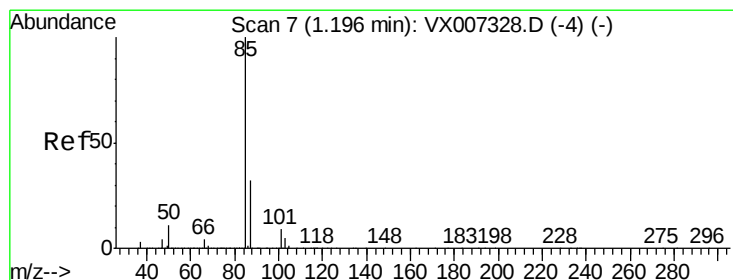
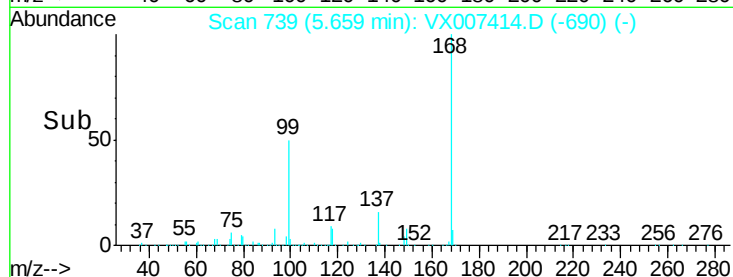
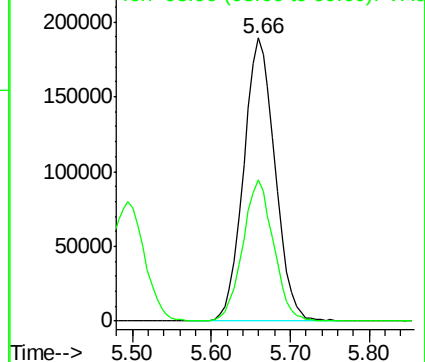
MMDadoda

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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: 50.028 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX007414.D

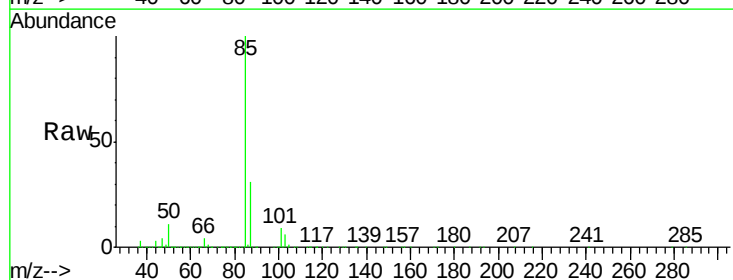
Acq: 07 Feb 2019 10:00

Tgt Ion: 85 Resp: 321322

Ion Ratio Lower Upper

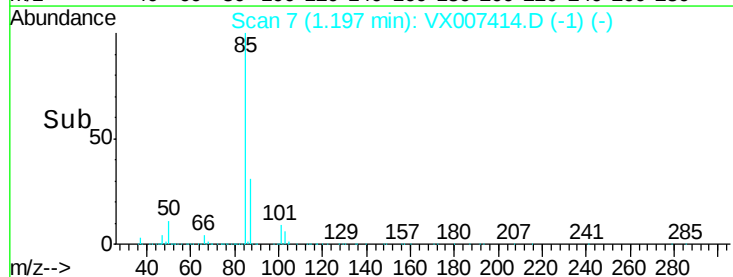
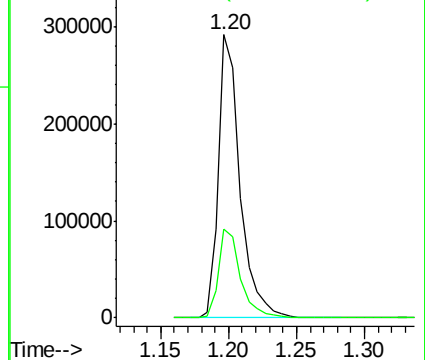
85 100

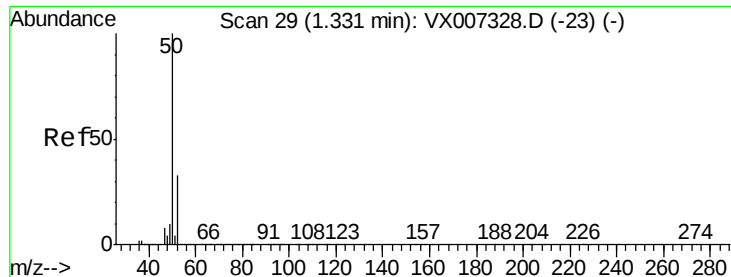
87 31.5 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 46.288 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX007414.D

Acq: 07 Feb 2019 10:00

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 50 Resp: 272504

Ion Ratio Lower Upper

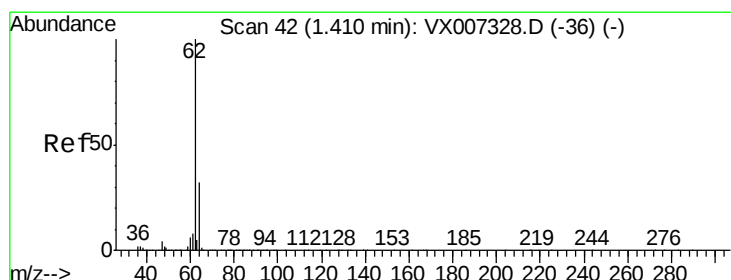
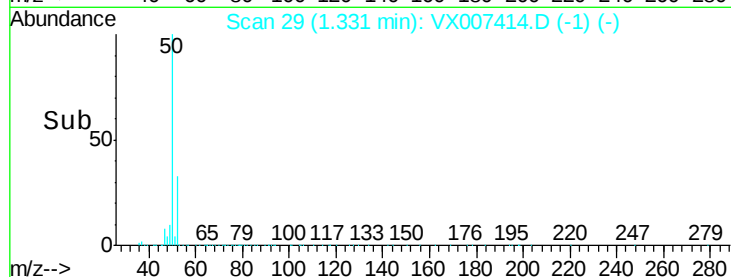
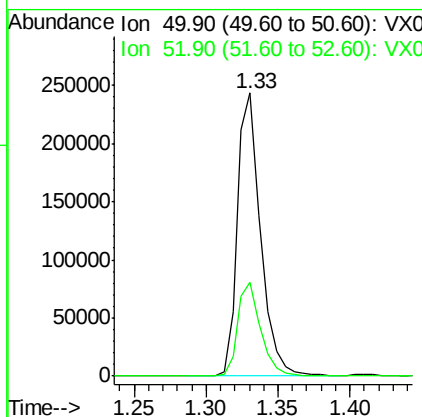
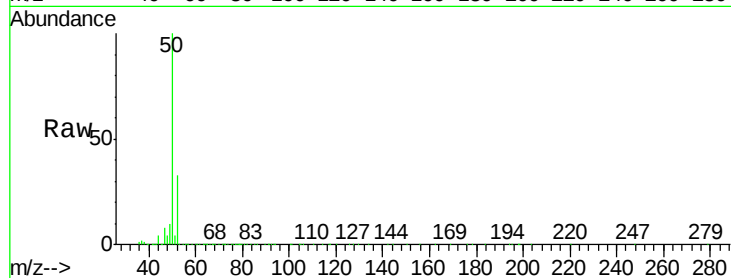
50 100

52 33.2 26.1 39.1

Manual Integrations
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#4

Vinyl Chloride

Concen: 50.379 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX007414.D

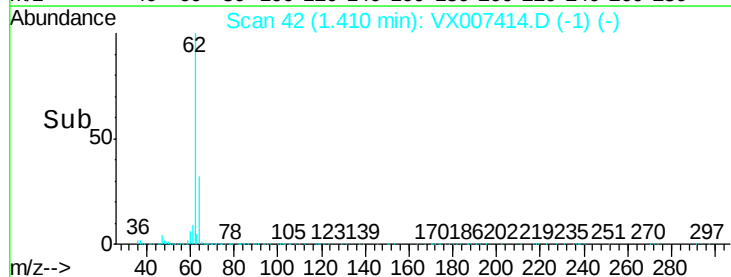
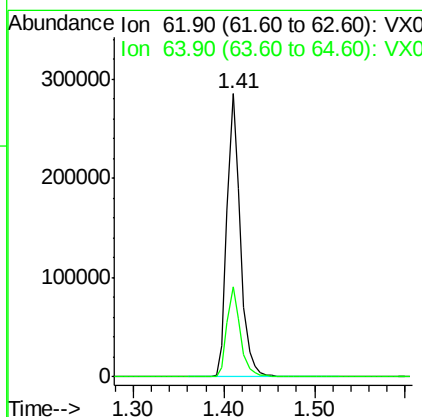
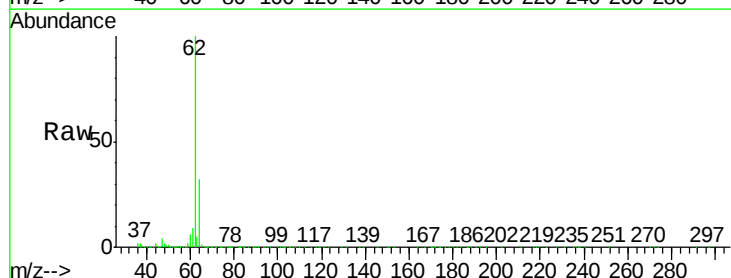
Acq: 07 Feb 2019 10:00

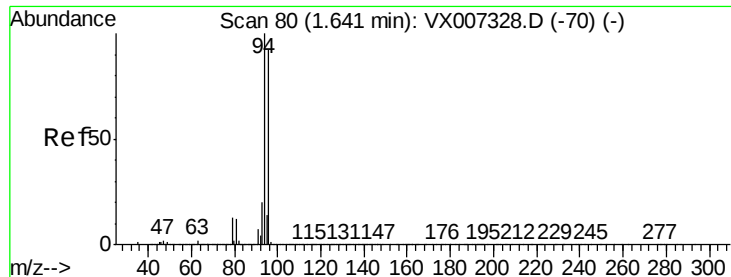
Tgt Ion: 62 Resp: 290965

Ion Ratio Lower Upper

62 100

64 31.9 25.4 38.0





#5

Bromomethane

Concen: 47.582 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX007414.D

Acq: 07 Feb 2019 10:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 271859

Ion Ratio Lower Upper

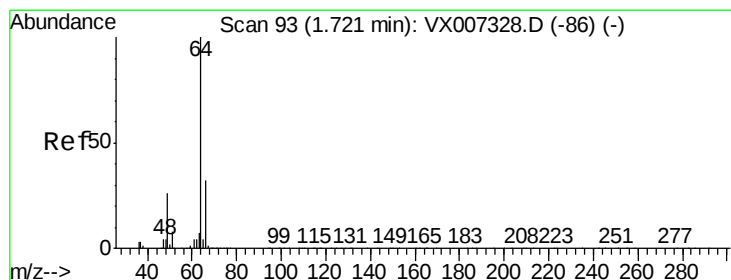
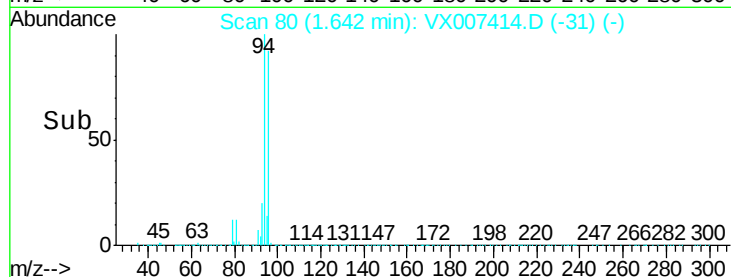
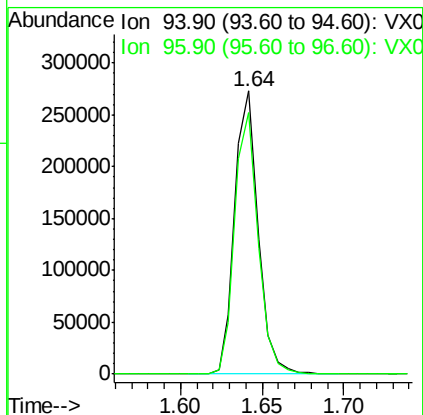
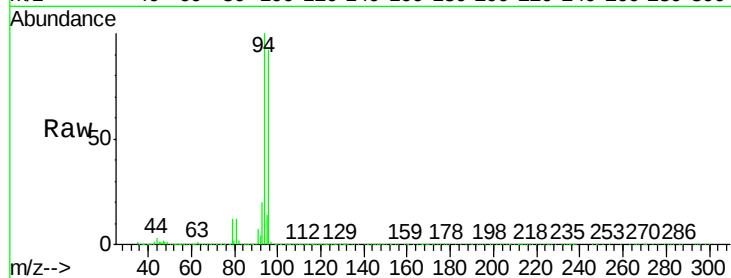
94 100

96 92.4 73.9 110.9

Manual Integrations
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#6

Chloroethane

Concen: 47.618 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.00 min

Lab File: VX007414.D

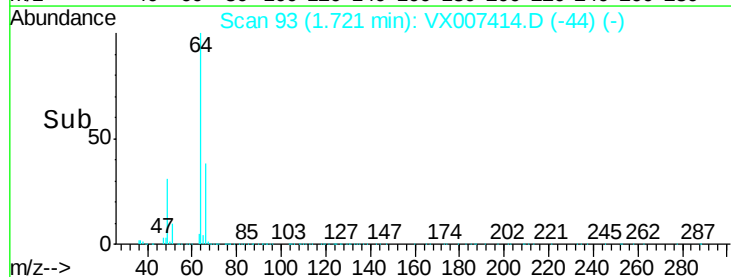
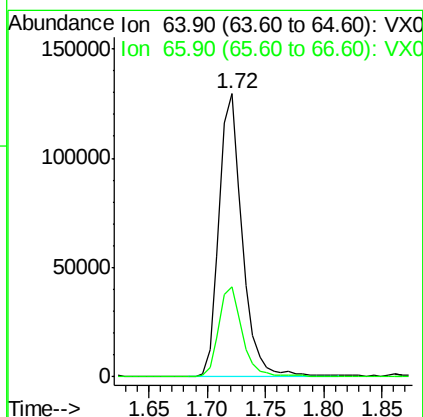
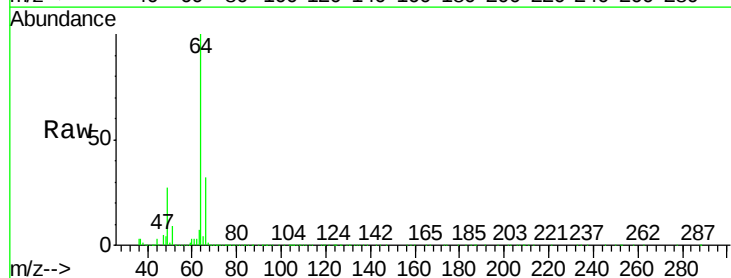
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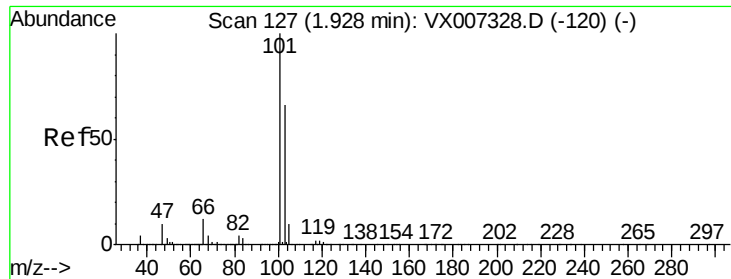
Tgt Ion: 64 Resp: 177907

Ion Ratio Lower Upper

64 100

66 31.9 25.5 38.3





#7

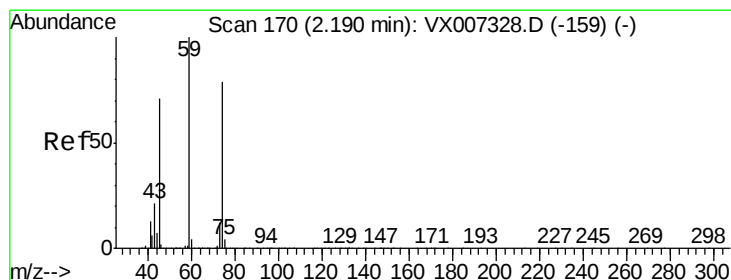
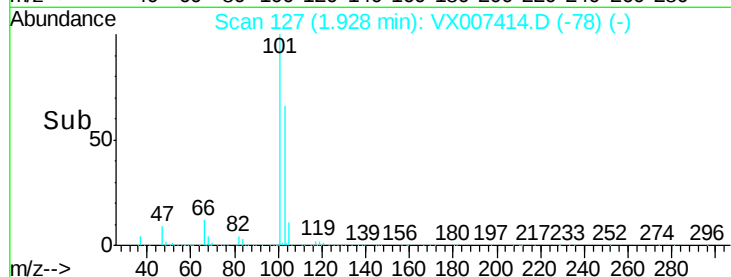
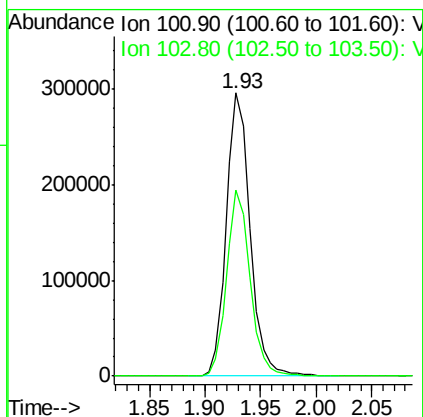
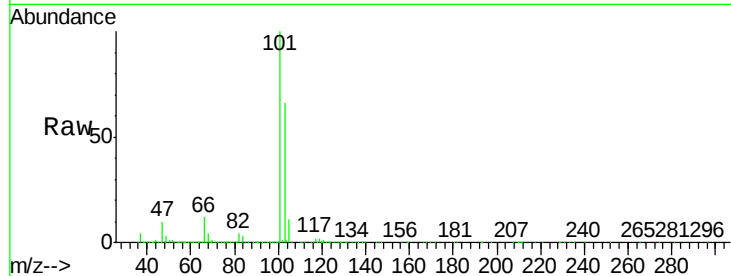
Trichlorofluoromethane
Concen: 48.626 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.00 min
Lab File: VX007414.D
Acq: 07 Feb 2019 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.7	52.6	79.0

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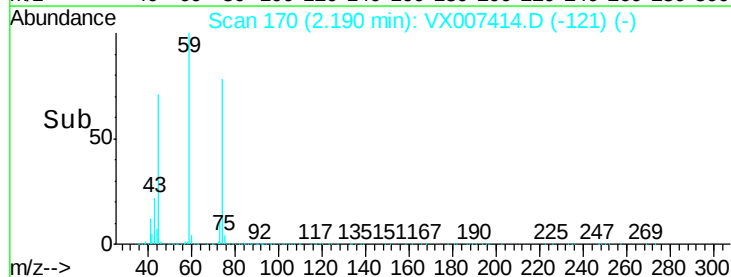
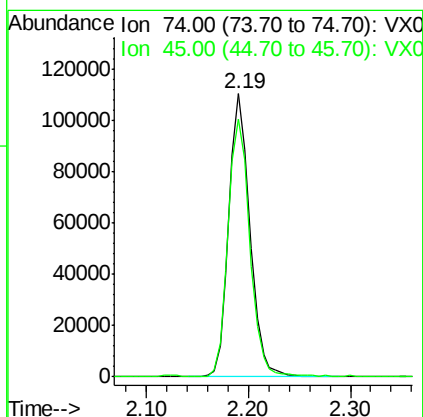
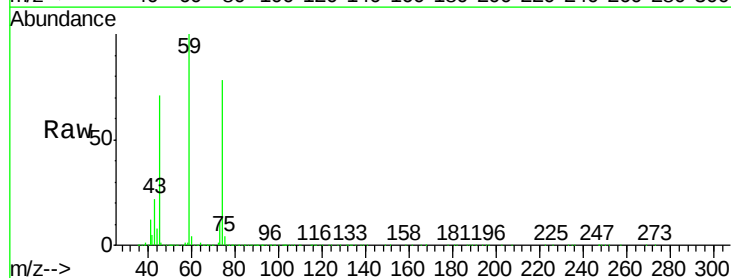
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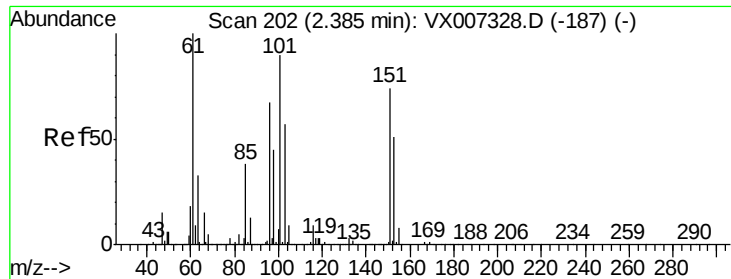


#8

Diethyl Ether
Concen: 46.491 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX007414.D
Acq: 07 Feb 2019 10:00

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.5	45.7	137.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.979 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX007414.D

Acq: 07 Feb 2019 10:00

Instrument :

MSVOA_X

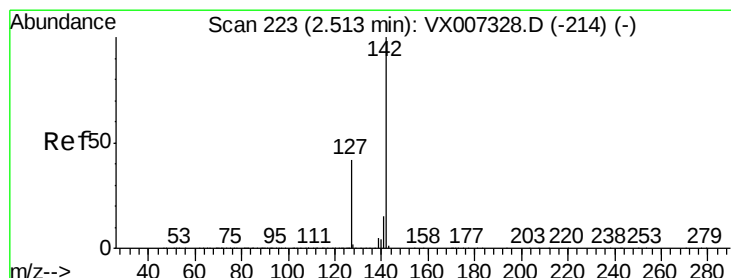
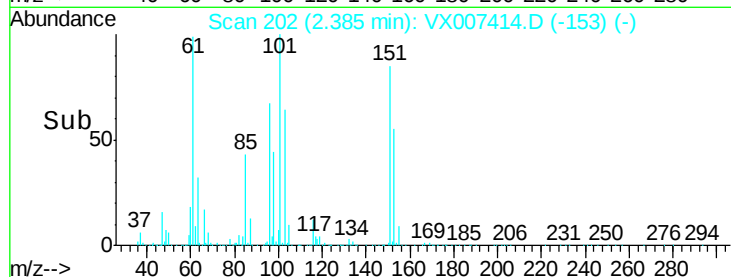
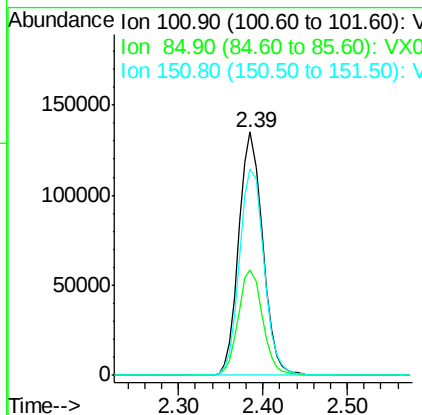
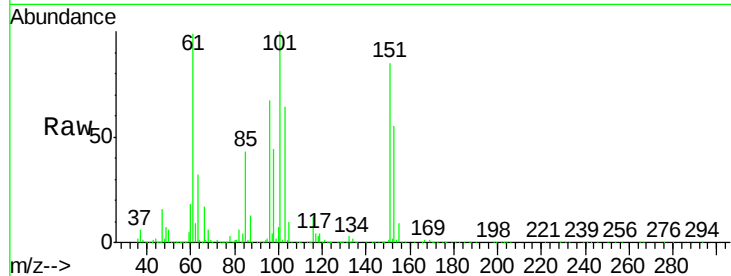
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	257849
Ion Ratio	Lower	Upper	
101	100		
85	44.1	34.1	51.1
151	87.2	69.9	104.9

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#10

Methyl Iodide

Concen: 45.903 ug/l

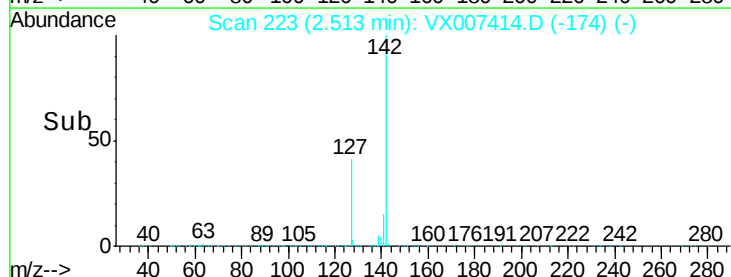
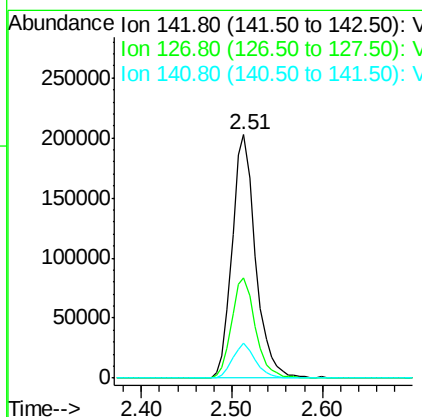
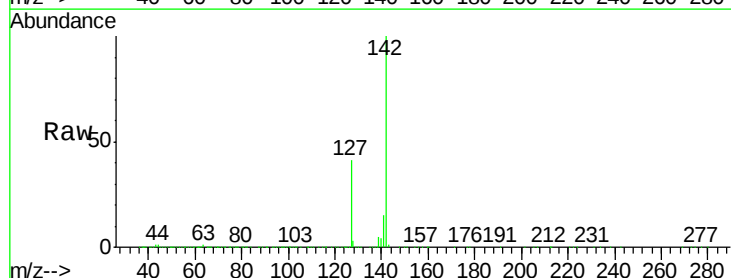
RT: 2.51 min Scan# 223

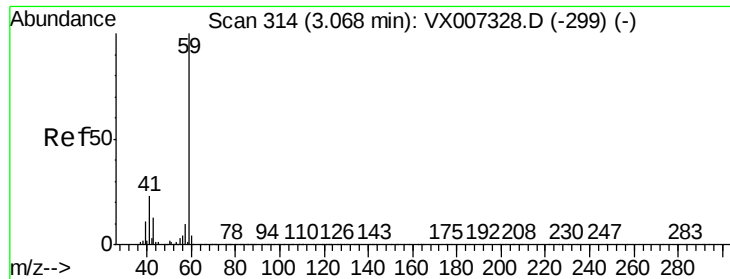
Delta R.T. 0.00 min

Lab File: VX007414.D

Acq: 07 Feb 2019 10:00

Tgt Ion:	142	Resp:	362899
Ion Ratio	Lower	Upper	
142	100		
127	42.2	33.7	50.5
141	13.9	11.3	16.9





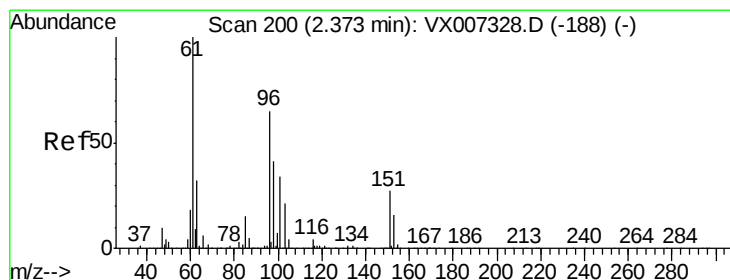
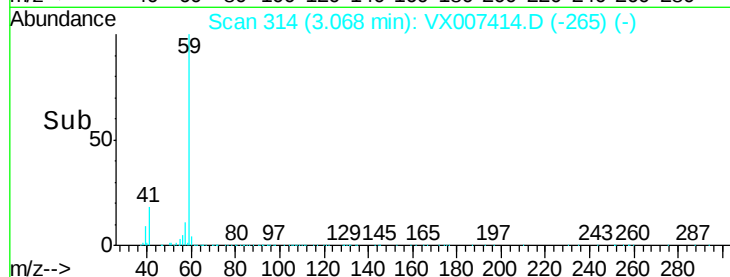
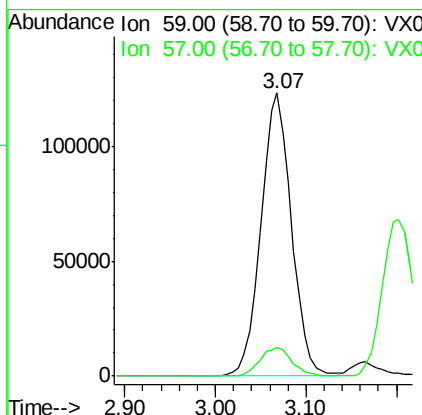
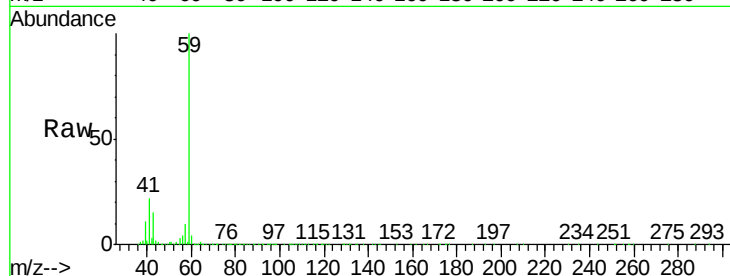
#11
Tert butyl alcohol
Concen: 248.327 ug/l
RT: 3.07 min Scan# 314
Delta R.T. 0.00 min
Lab File: VX007414.D
Acq: 07 Feb 2019 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
59	100	285107		
57	10.3		8.1	12.1

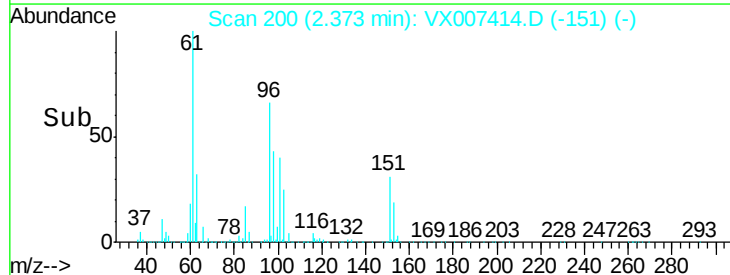
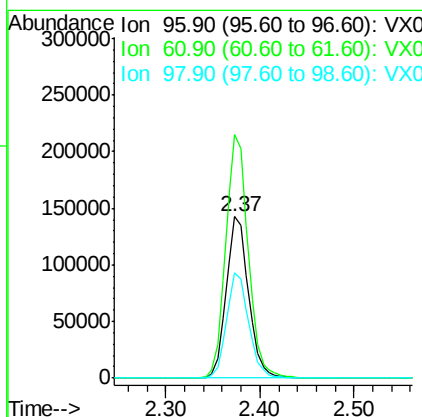
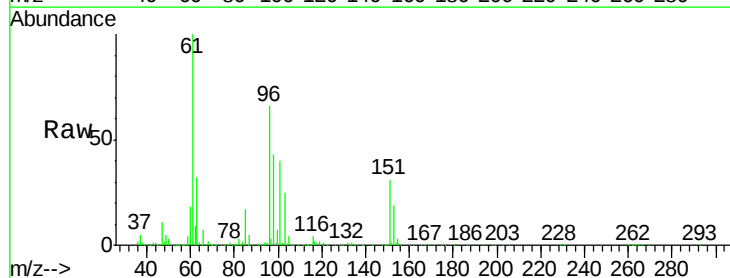
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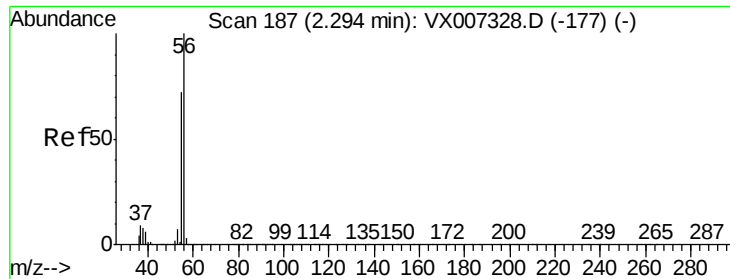
MMDadoda
2/11/2019 12:27:48 PM



#12
1,1-Dichloroethene
Concen: 47.000 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX007414.D
Acq: 07 Feb 2019 10:00

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	234552		
61	150.6		123.0	184.4
98	65.1		50.9	76.3





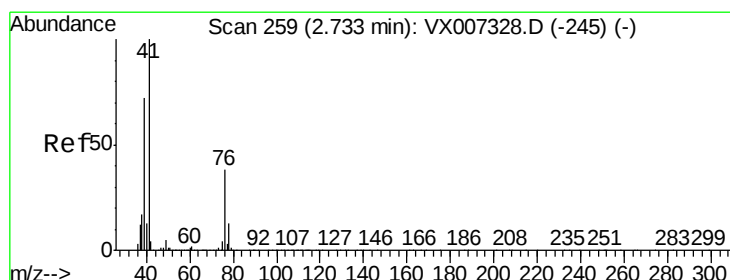
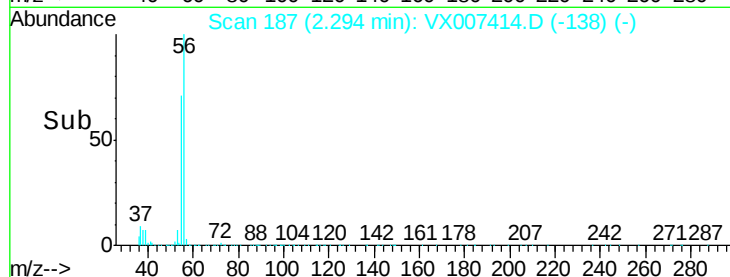
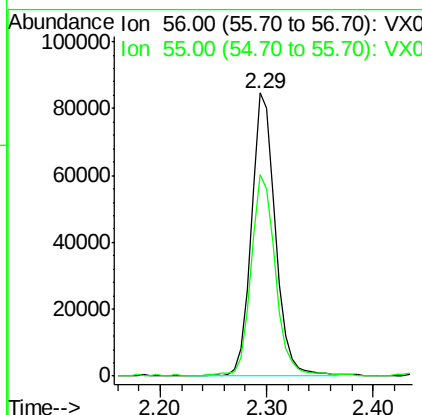
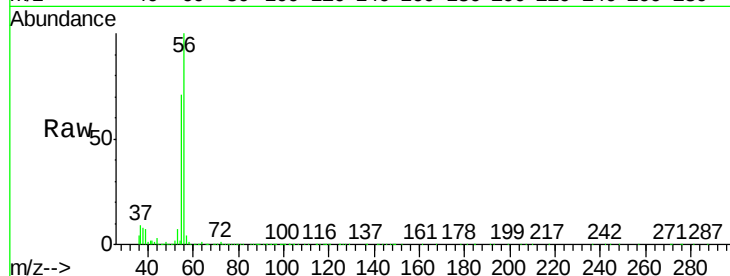
#13
Acrolein
Concen: 247.472 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX007414.D
Acq: 07 Feb 2019 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
55	72.5	56.9	85.3	

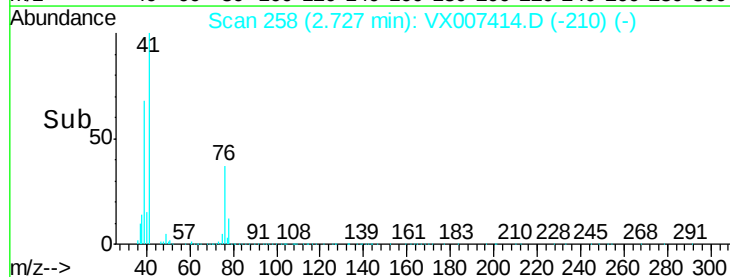
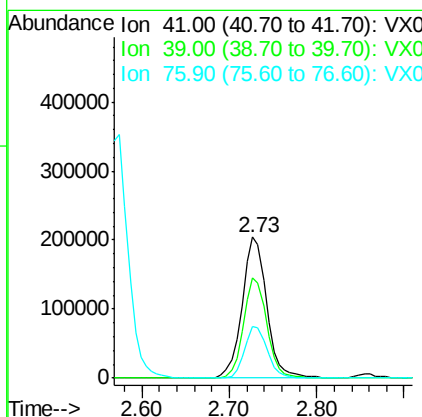
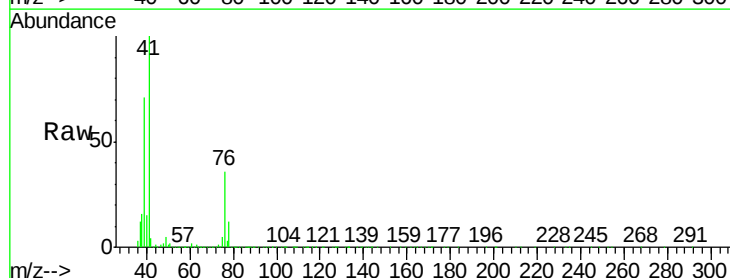
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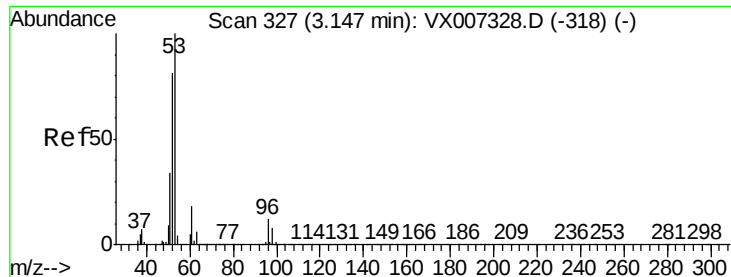
MMDadoda
2/11/2019 12:27:48 PM



#14
Allyl chloride
Concen: 49.004 ug/l
RT: 2.73 min Scan# 258
Delta R.T. -0.01 min
Lab File: VX007414.D
Acq: 07 Feb 2019 10:00

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	66.6	54.1	81.1	
76	33.7	27.8	41.8	





#15

Acrylonitrile

Concen: 239.735 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.00 min

Lab File: VX007414.D

Acq: 07 Feb 2019 10:00

Instrument :

MSVOA_X

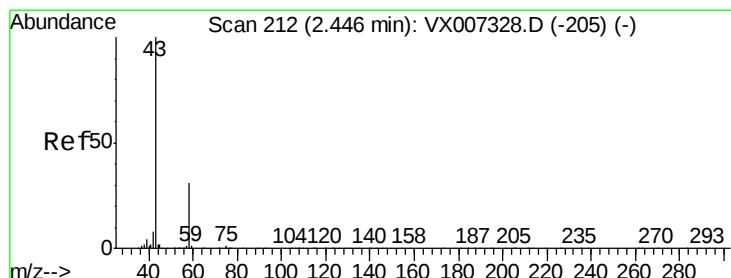
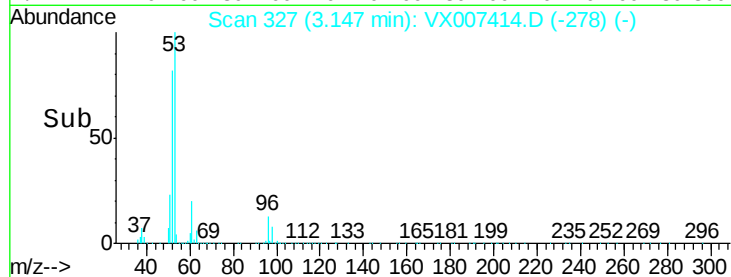
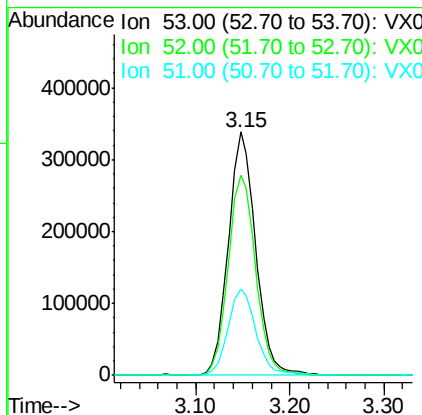
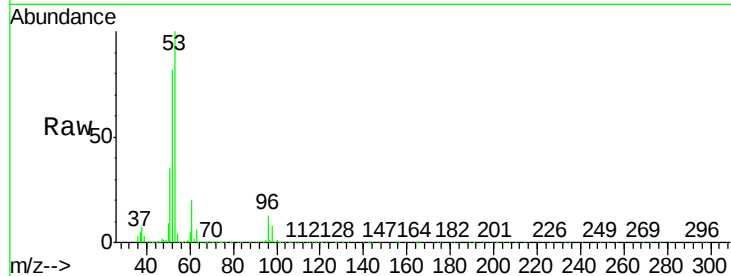
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	680893
Ion Ratio		Lower	Upper
53	100		
52	82.9	66.4	99.6
51	36.2	28.4	42.6

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#16

Acetone

Concen: 270.413 ug/l

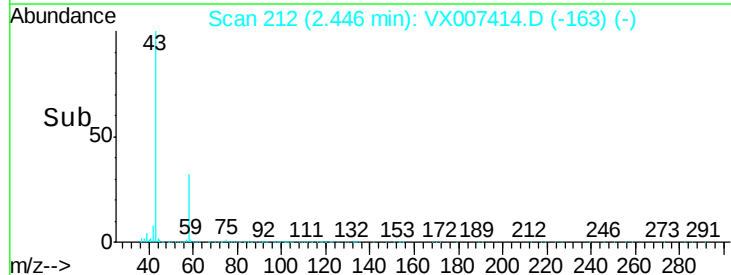
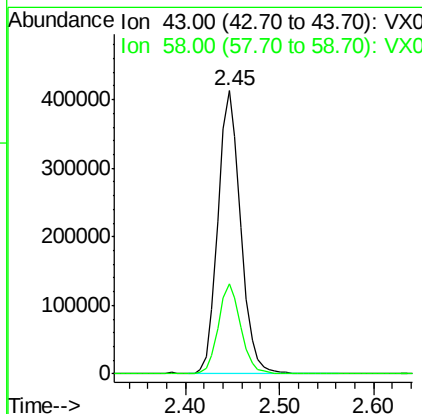
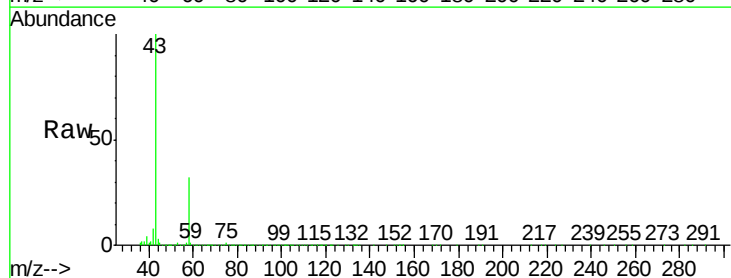
RT: 2.45 min Scan# 212

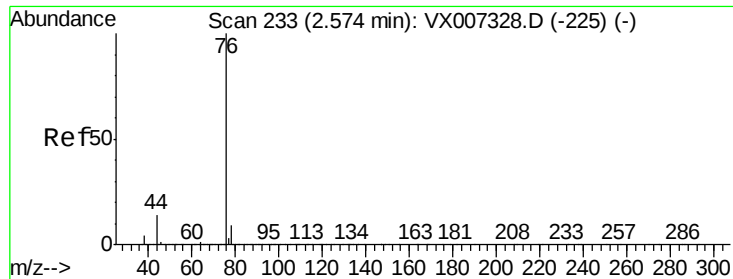
Delta R.T. 0.00 min

Lab File: VX007414.D

Acq: 07 Feb 2019 10:00

Tgt Ion:	43	Resp:	687195
Ion Ratio		Lower	Upper
43	100		
58	31.6	24.9	37.3





#17

Carbon Disulfide

Concen: 45.715 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.00 min

Lab File: VX007414.D

Acq: 07 Feb 2019 10:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 594088

Ion Ratio Lower Upper

76 100

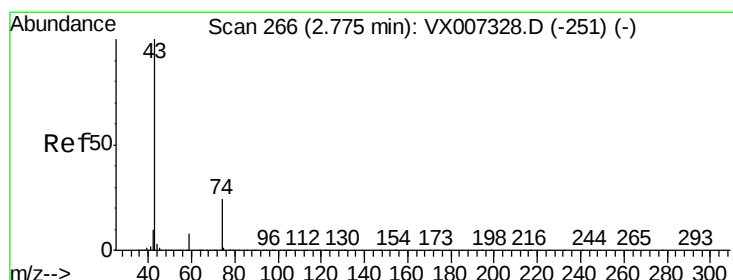
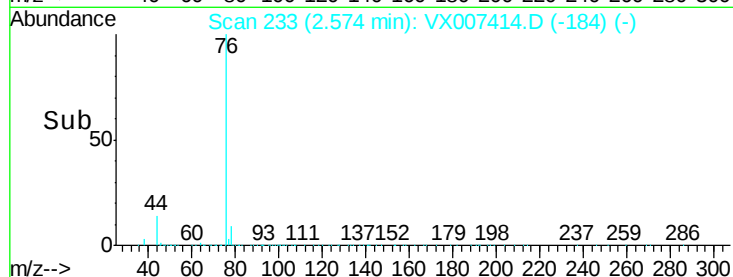
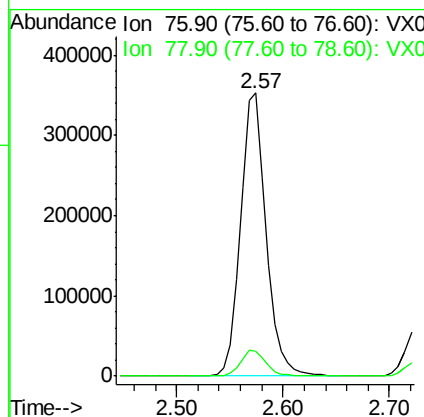
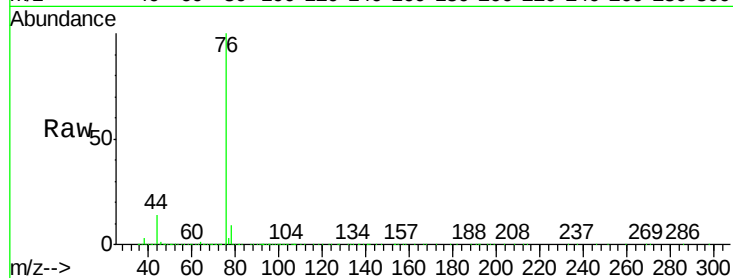
78 8.9 7.1 10.7

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#18

Methyl Acetate

Concen: 53.365 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX007414.D

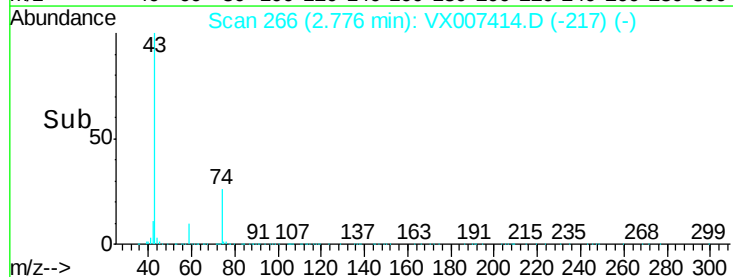
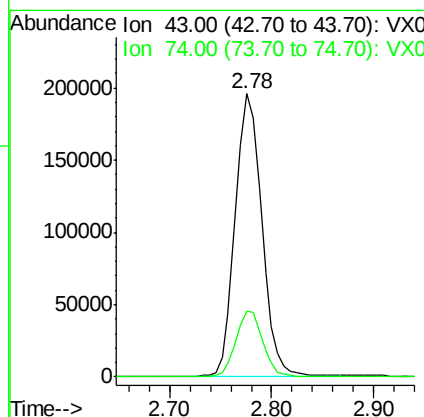
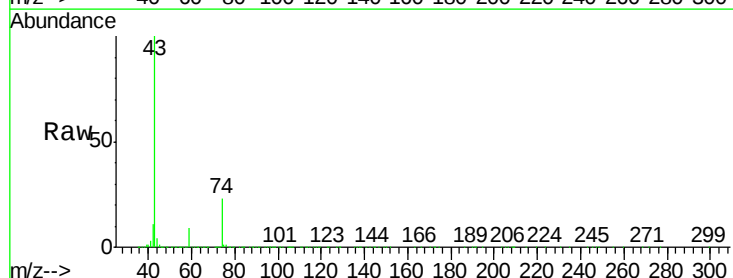
Acq: 07 Feb 2019 10:00

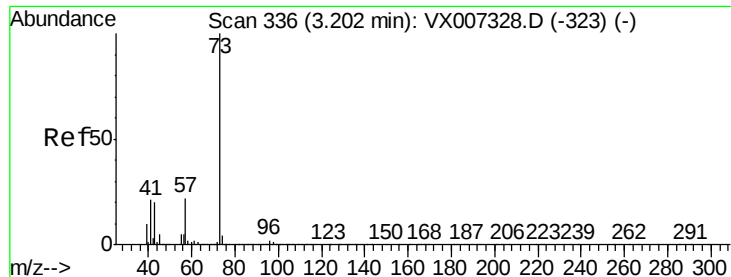
Tgt Ion: 43 Resp: 353618

Ion Ratio Lower Upper

43 100

74 23.9 19.4 29.2





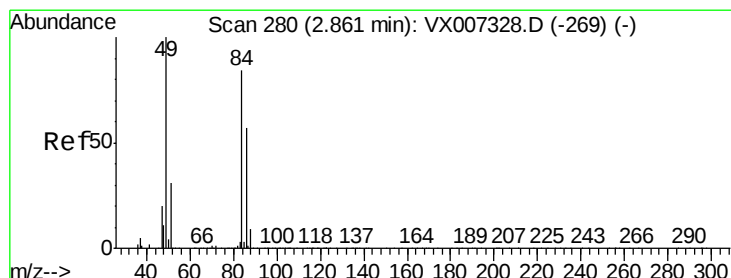
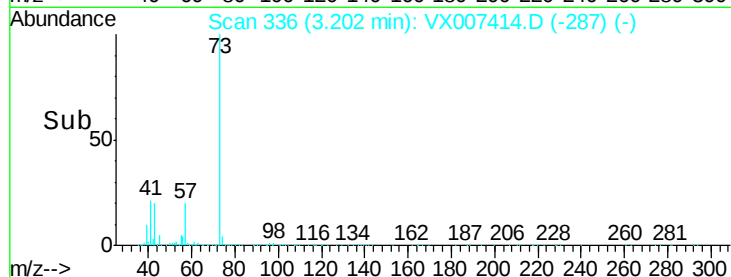
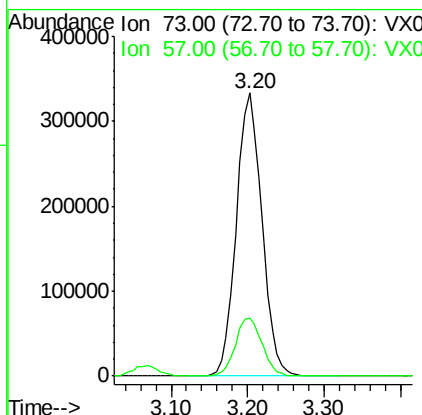
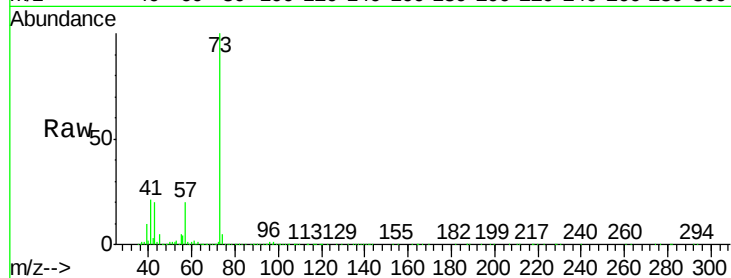
#19
Methyl tert-butyl Ether
Concen: 47.835 ug/l
RT: 3.20 min Scan# 336
Delta R.T. 0.00 min
Lab File: VX007414.D
Acq: 07 Feb 2019 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.4	17.8	26.8

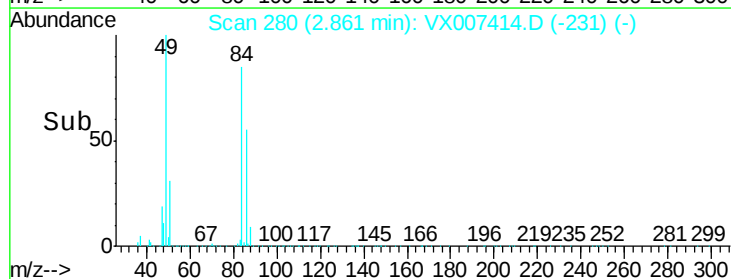
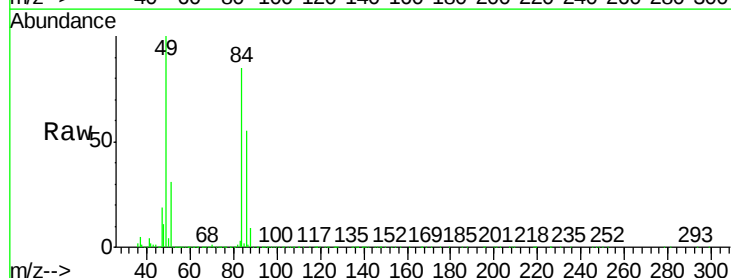
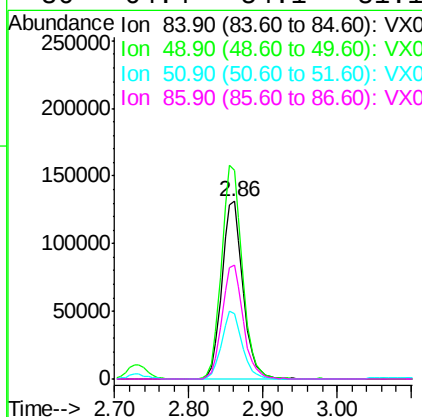
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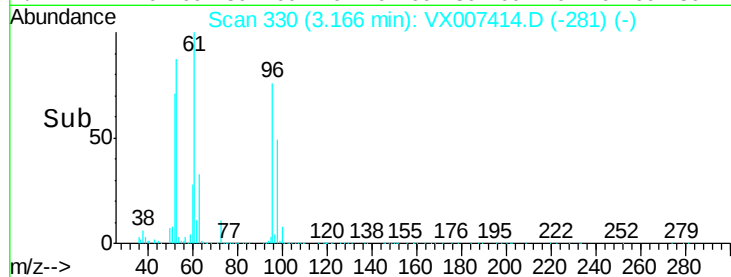
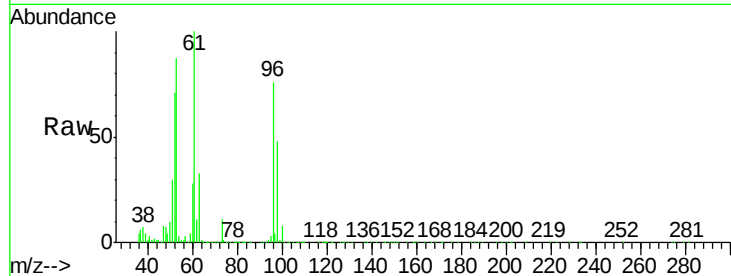
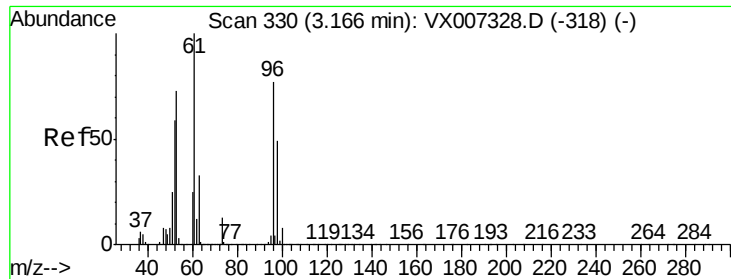
MMDadoda
2/11/2019 12:27:48 PM



#20
Methylene Chloride
Concen: 49.737 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX007414.D
Acq: 07 Feb 2019 10:00

Tgt Ion	Ratio	Lower	Upper
84	100		
49	117.9	94.8	142.2
51	36.5	29.8	44.8
86	64.4	54.1	81.1





#21

trans-1,2-Dichloroethene

Concen: 46.695 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX007414.D

Acq: 07 Feb 2019 10:00

Tot Ion:	96	Resp:	248235
Ion Ratio	Lower	Upper	
96	100		
61	132.1	104.6	156.8
98	64.1	51.0	76.4

Instrument :

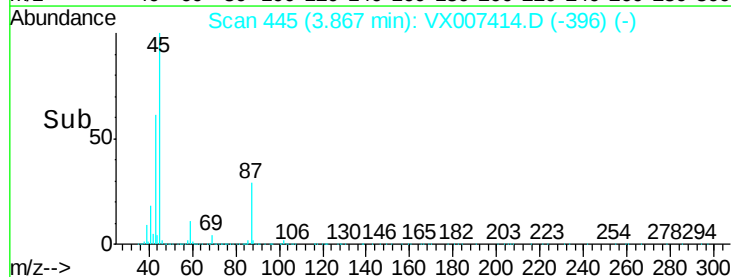
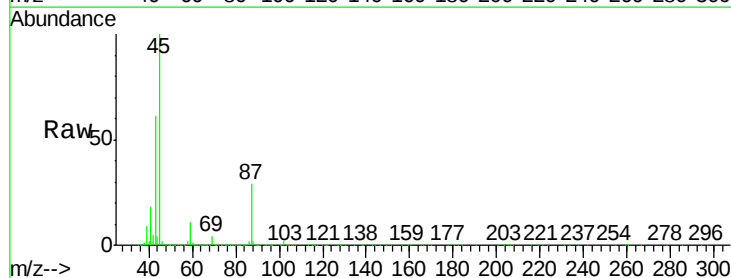
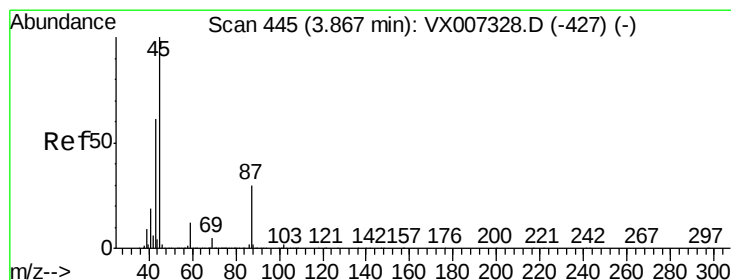
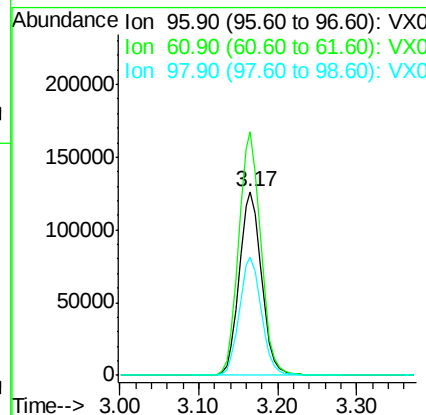
MSVOA_X

ClientSampleId :

VSTDCCC050

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#22

Diisopropyl ether

Concen: 50.296 ug/l

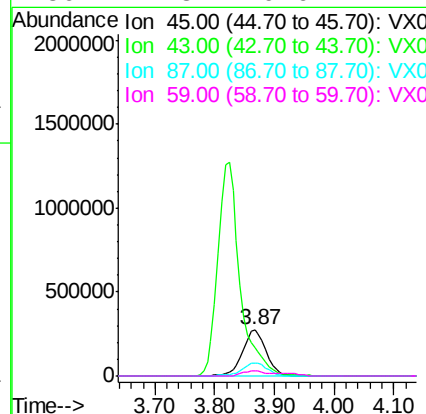
RT: 3.87 min Scan# 445

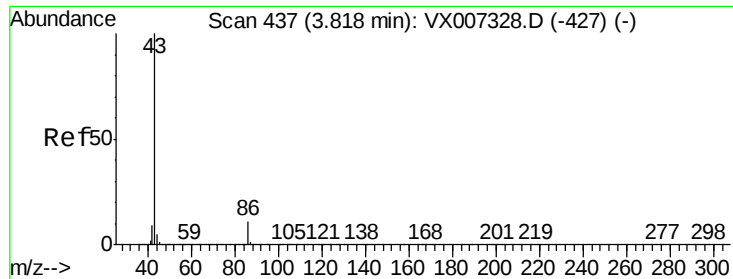
Delta R.T. 0.00 min

Lab File: VX007414.D

Acq: 07 Feb 2019 10:00

Tgt Ion:	45	Resp:	752285
Ion Ratio	Lower	Upper	
45	100		
43	61.3	48.9	73.3
87	28.9	23.9	35.9
59	11.3	9.6	14.4





#23

Vinyl Acetate

Concen: 266.267 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.01 min

Lab File: VX007414.D

Acq: 07 Feb 2019 10:00

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 3304841

Ion Ratio Lower Upper

43 100

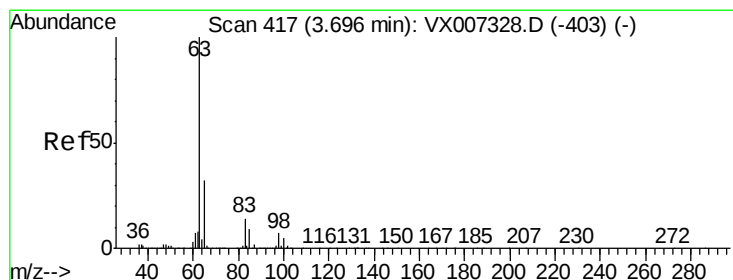
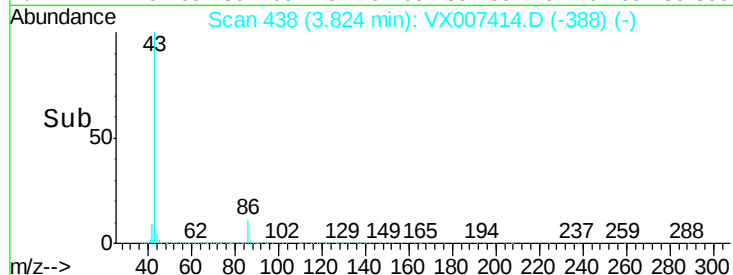
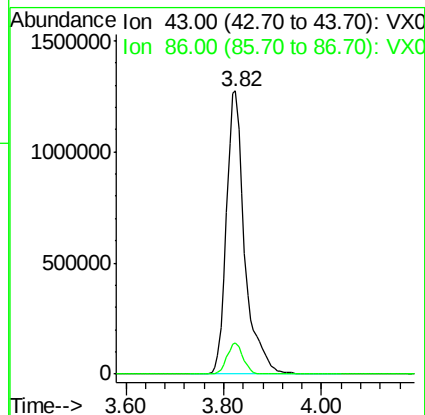
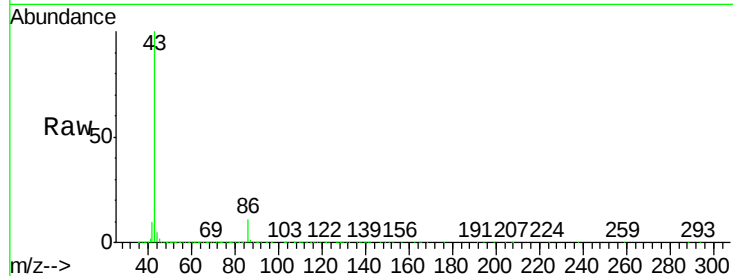
86 11.1 8.7 13.1

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 51.027 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX007414.D

Acq: 07 Feb 2019 10:00

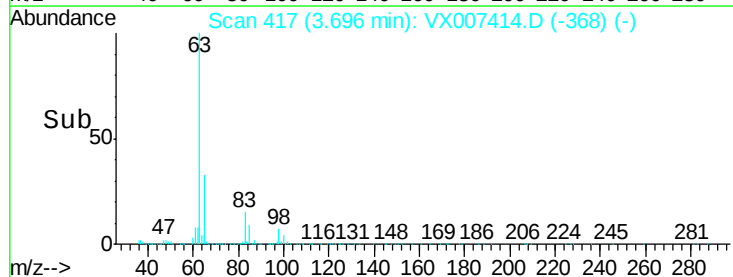
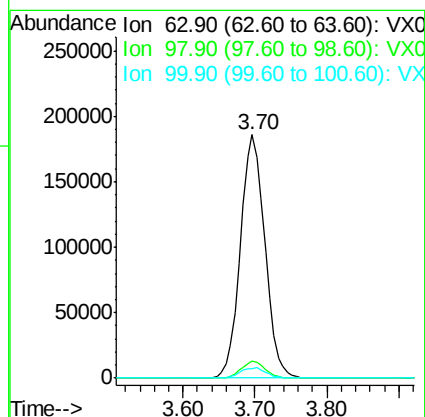
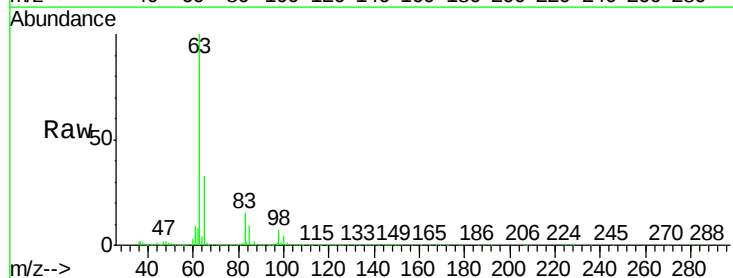
Tgt Ion: 63 Resp: 438293

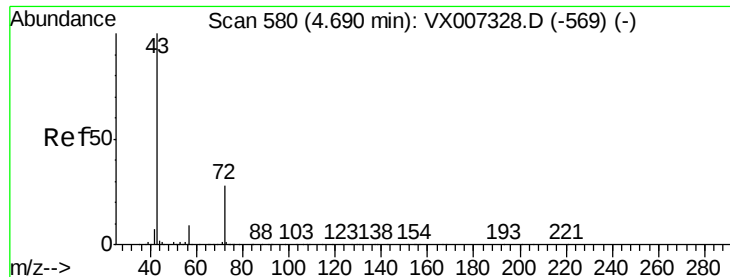
Ion Ratio Lower Upper

63 100

98 7.0 3.6 10.8

100 3.9 2.5 7.4





#25

2-Butanone

Concen: 258.440 ug/l

RT: 4.70 min Scan# 581

Delta R.T. 0.01 min

Lab File: VX007414.D

Acq: 07 Feb 2019 10:00

Tot Ion: 43 Resp: 934661

Ion Ratio Lower Upper

43 100

72 27.1 22.2 33.2

Instrument :

MSVOA_X

ClientSampleId :

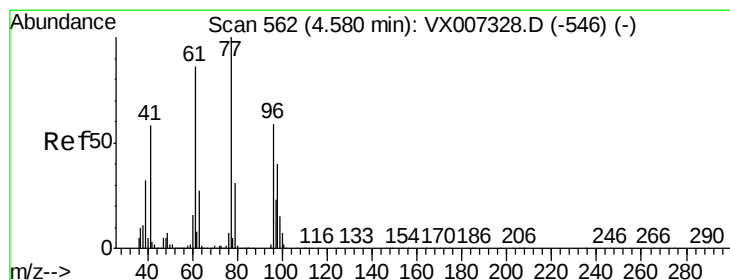
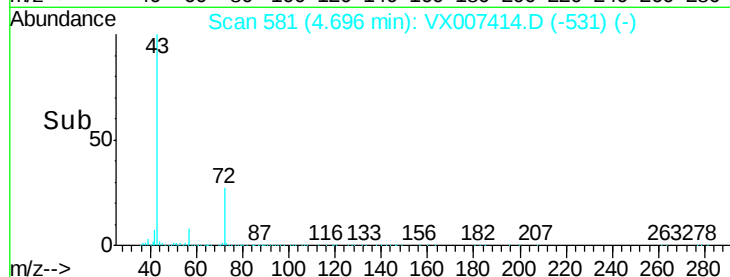
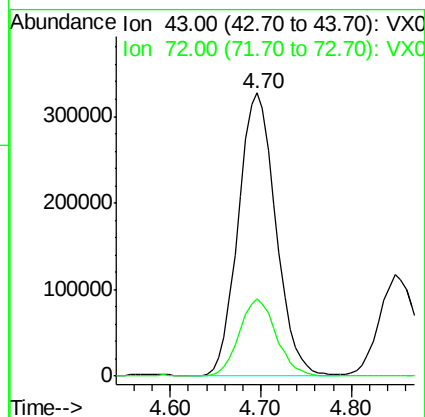
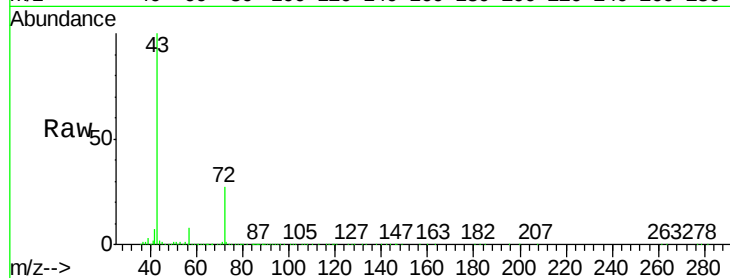
VSTDCCC050

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 50.342 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX007414.D

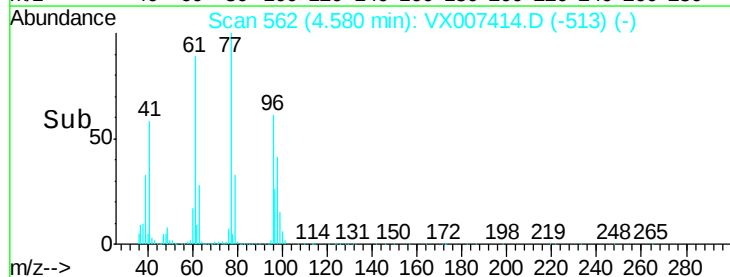
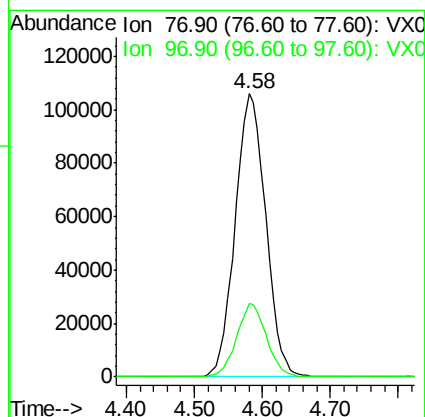
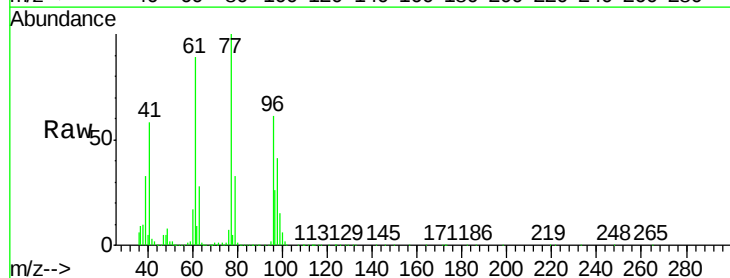
Acq: 07 Feb 2019 10:00

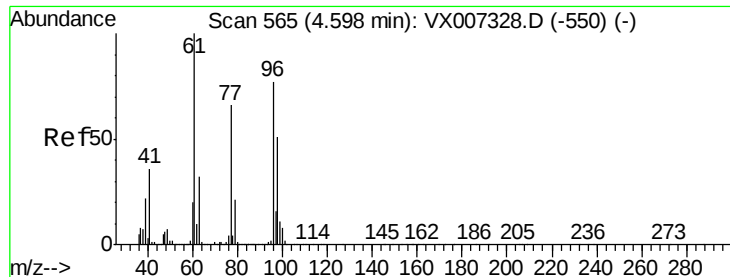
Tgt Ion: 77 Resp: 329305

Ion Ratio Lower Upper

77 100

97 25.3 12.1 36.3





#27

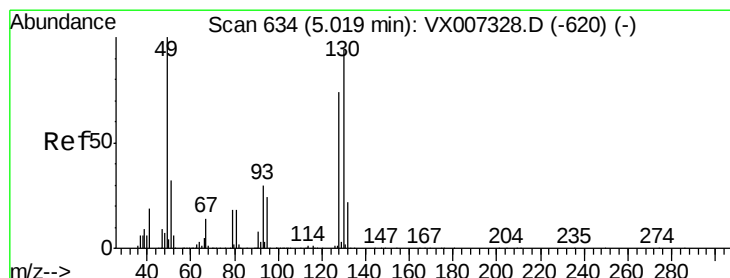
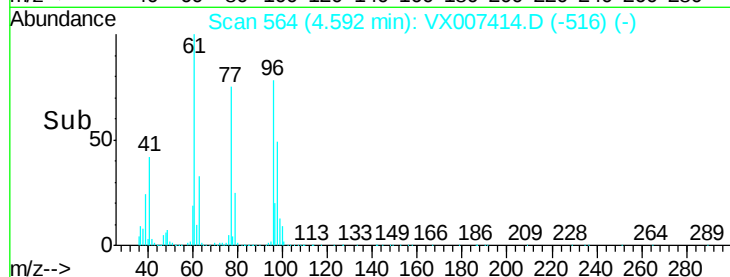
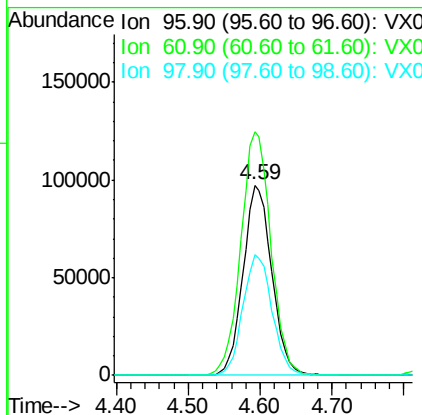
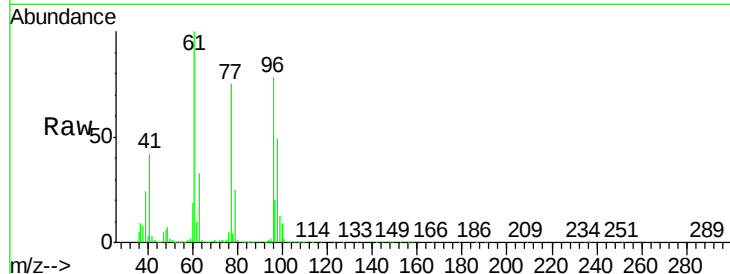
cis-1,2-Dichloroethene
Concen: 46.384 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX007414.D
Acq: 07 Feb 2019 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	269331		
61	134.4	0.0	265.6	
98	64.5	0.0	131.6	

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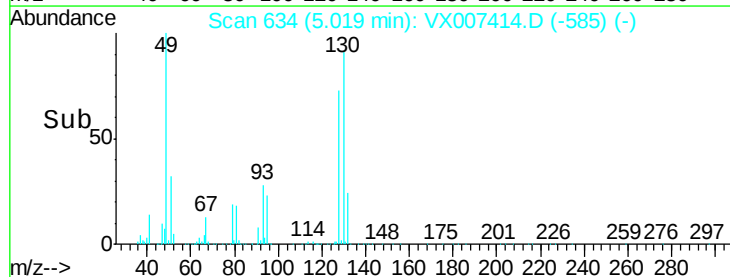
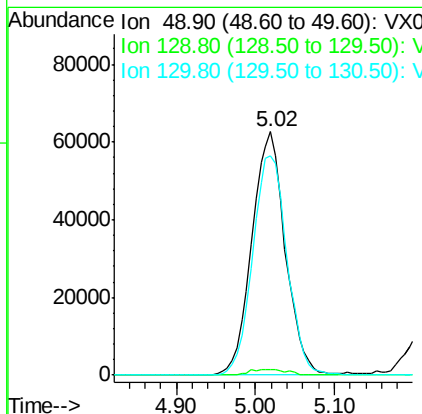
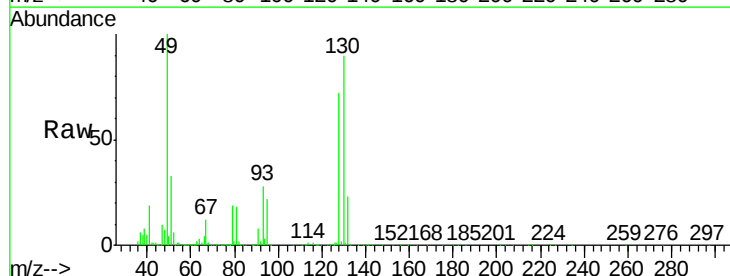
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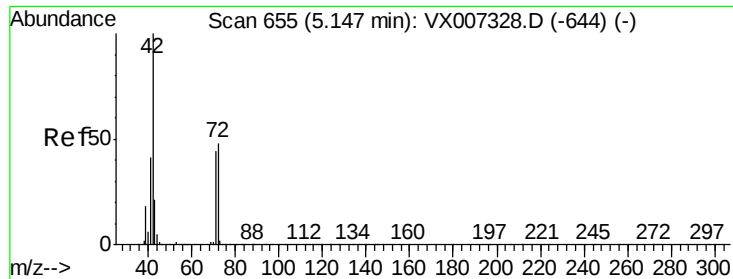


#28

Bromochloromethane
Concen: 46.561 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX007414.D
Acq: 07 Feb 2019 10:00

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	183919		
129	2.7	0.0	5.6	
130	93.1	75.6	113.4	





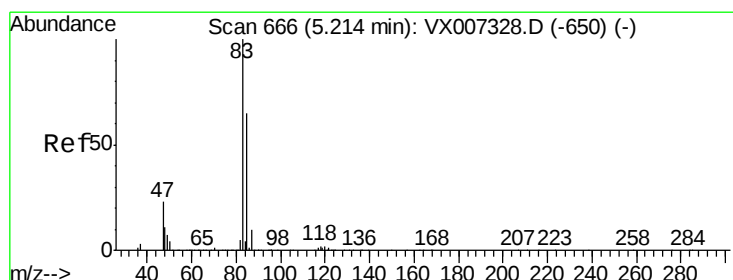
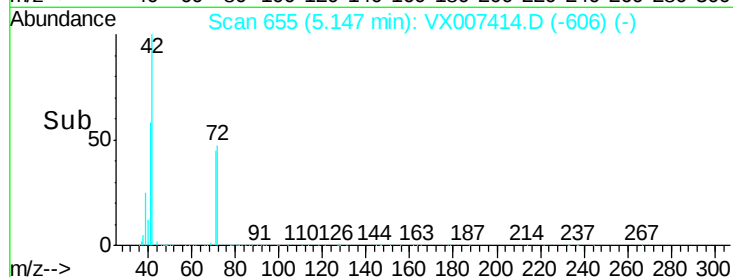
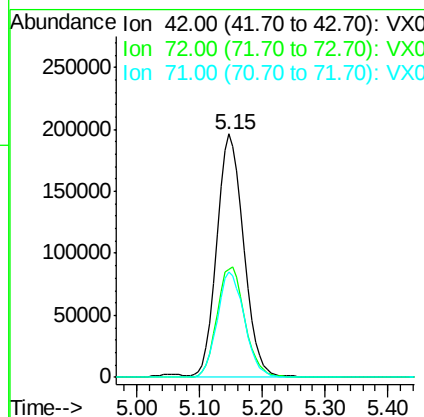
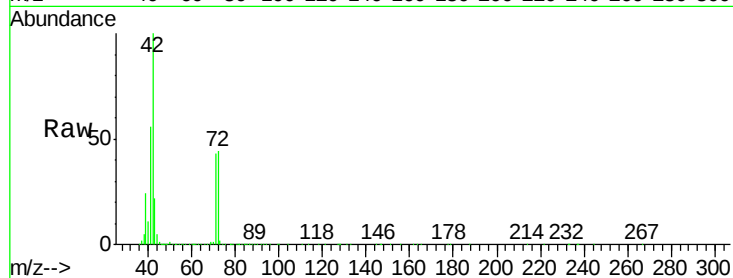
#29
Tetrahydrofuran
Concen: 255.876 ug/l
RT: 5.15 min Scan# 655
Delta R.T. 0.00 min
Lab File: VX007414.D
Acq: 07 Feb 2019 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.2	37.6	56.4
71	43.8	34.6	51.8

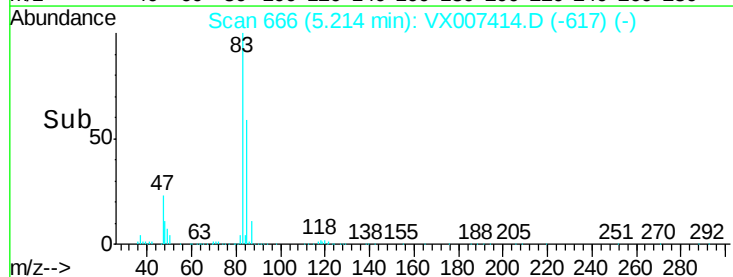
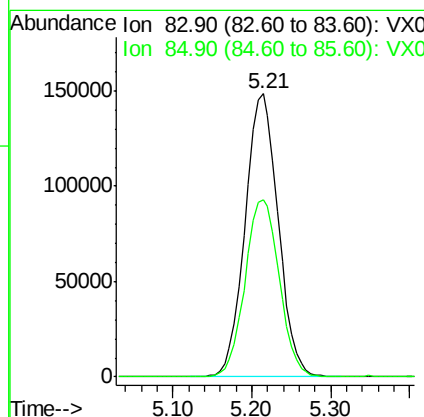
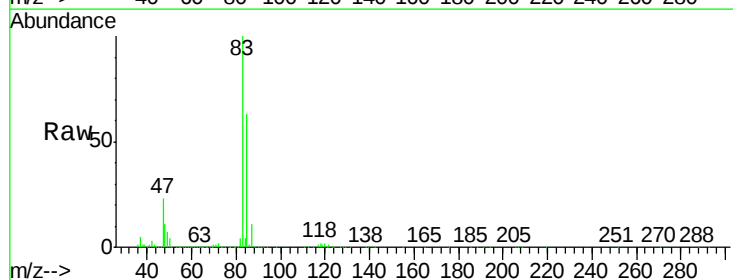
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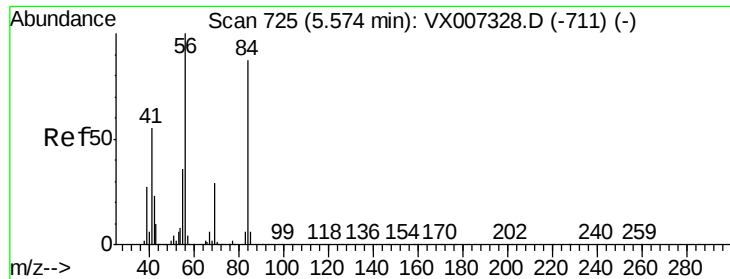
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#30
Chloroform
Concen: 48.334 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX007414.D
Acq: 07 Feb 2019 10:00

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.8	51.6	77.4





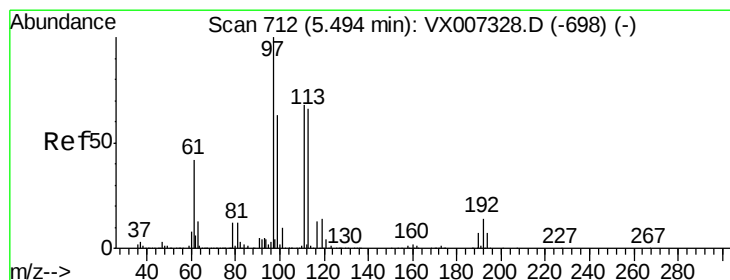
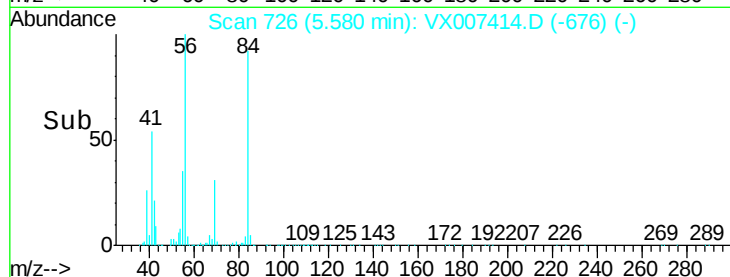
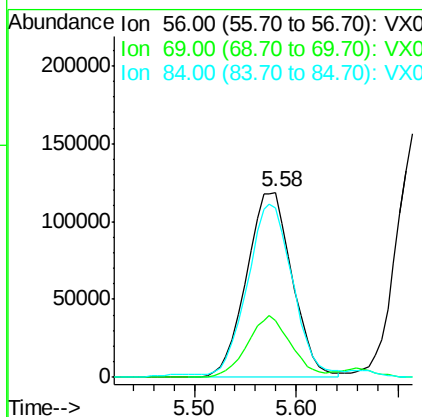
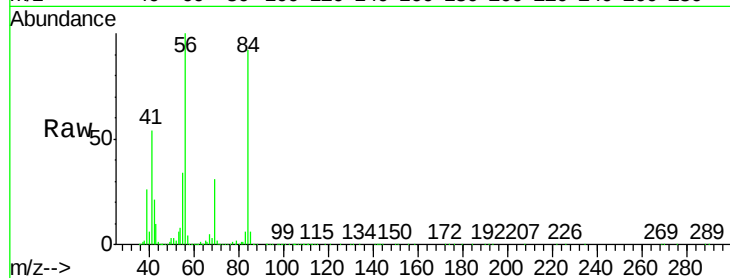
#31
Cyclohexane
Concen: 47.833 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.01 min
Lab File: VX007414.D
Acq: 07 Feb 2019 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.8	23.0	34.6
84	90.2	69.8	104.6

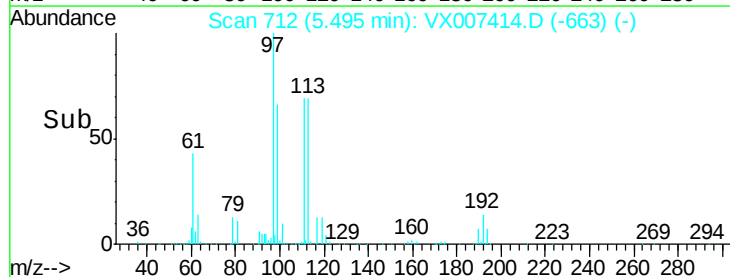
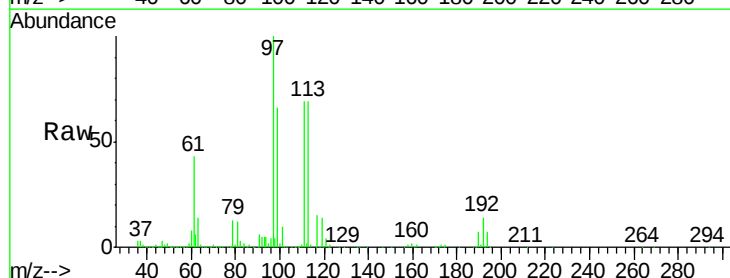
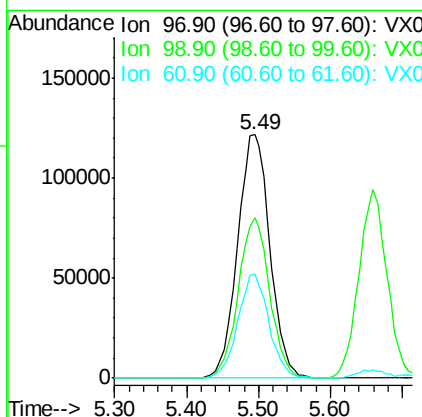
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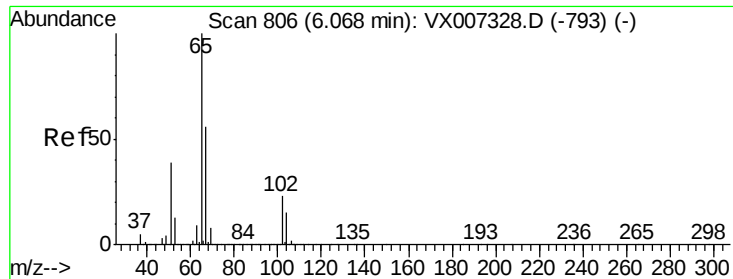
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#32
1,1,1-Trichloroethane
Concen: 49.918 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX007414.D
Acq: 07 Feb 2019 10:00

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	52.2	78.2
61	41.0	32.7	49.1





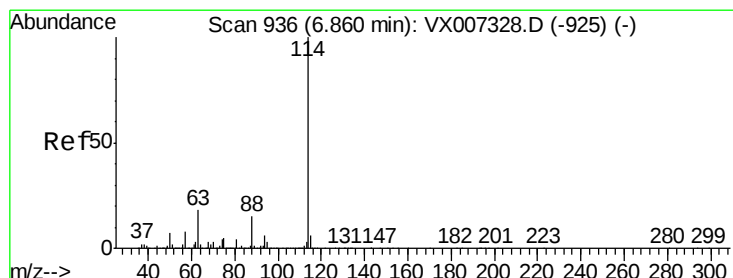
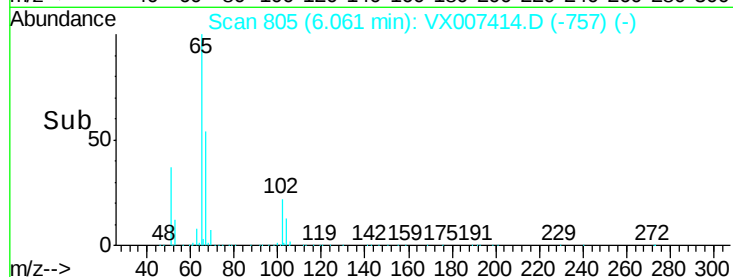
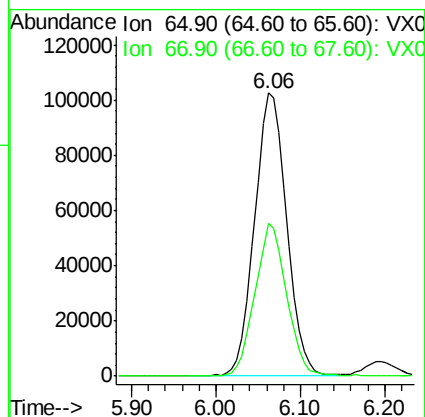
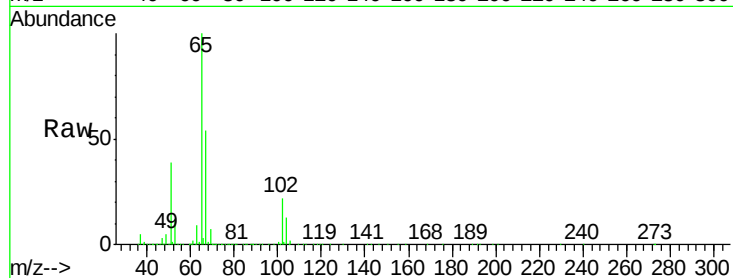
#33
 1,2-Dichloroethane-d4
 Concen: 48.073 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: VX007414.D
 Acq: 07 Feb 2019 10:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	266696		
67	52.9	0.0	108.8	

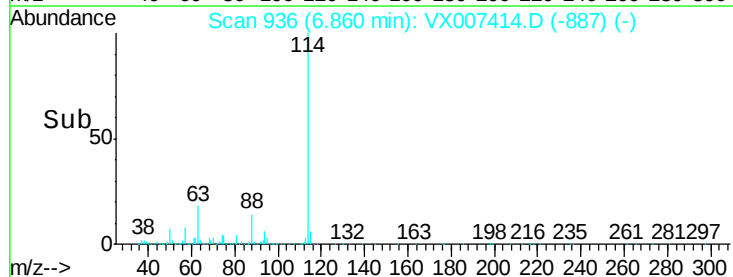
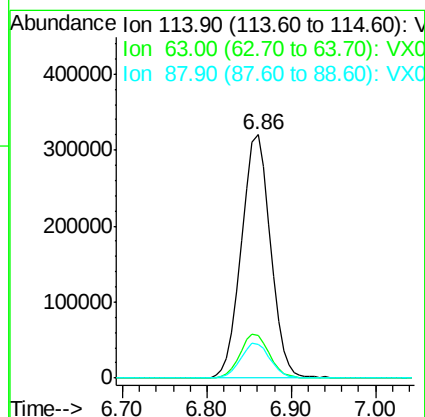
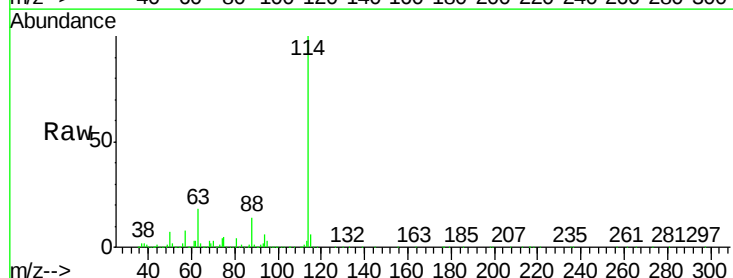
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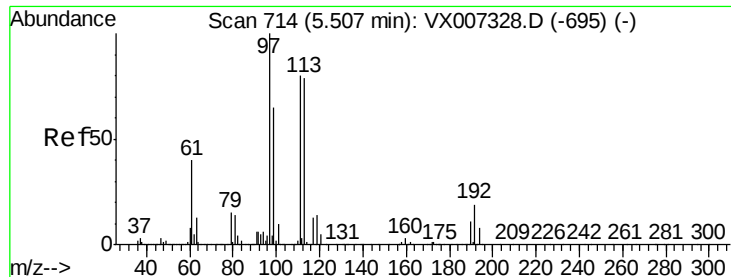
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX007414.D
 Acq: 07 Feb 2019 10:00

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	746283		
63	17.6	0.0	35.6	
88	14.1	0.0	29.6	





#35

Dibromofluoromethane

Concen: 49.618 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.01 min

Lab File: VX007414.D

Acq: 07 Feb 2019 10:00

Instrument :

MSVOA_X

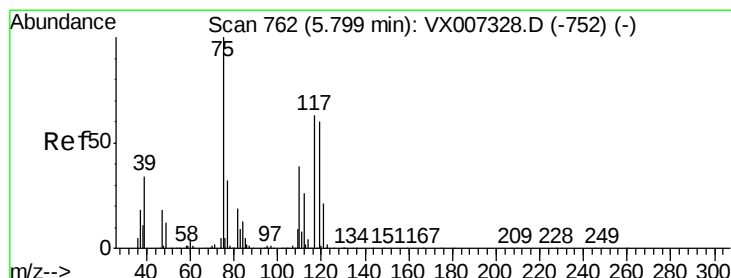
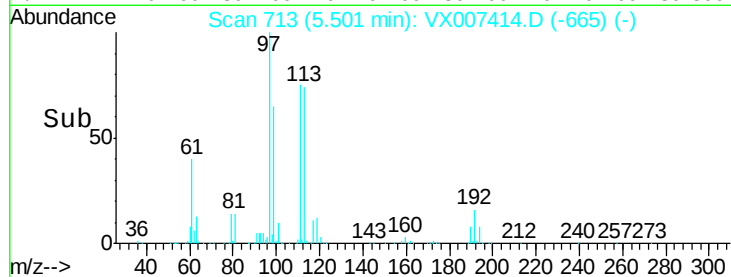
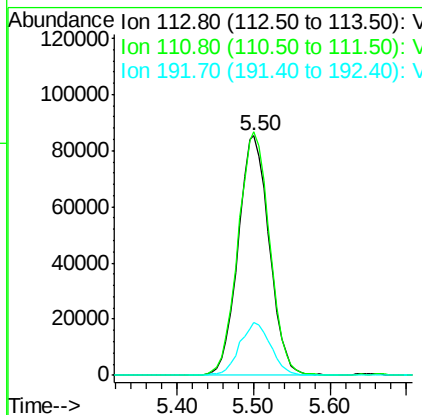
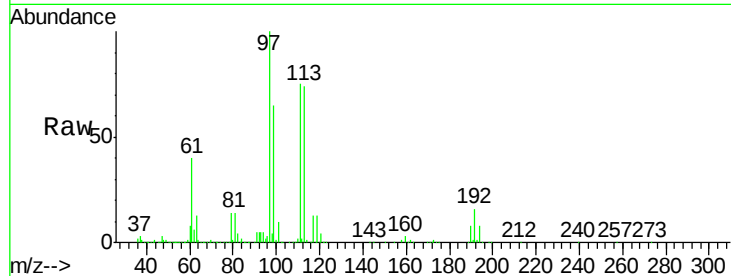
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	240934
Ion Ratio	Lower	Upper	
113	100		
111	103.2	81.8	122.8
192	22.3	18.5	27.7

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#36

1,1-Dichloropropene

Concen: 47.803 ug/l

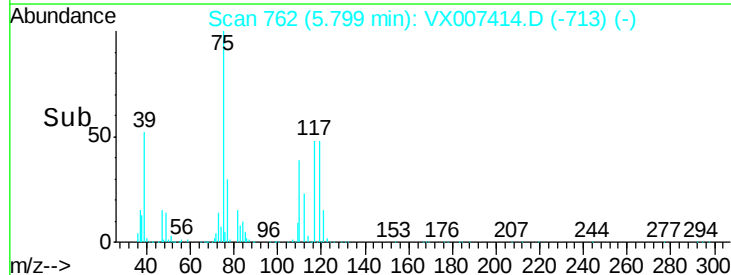
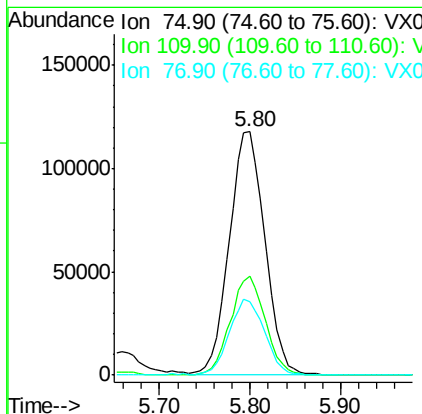
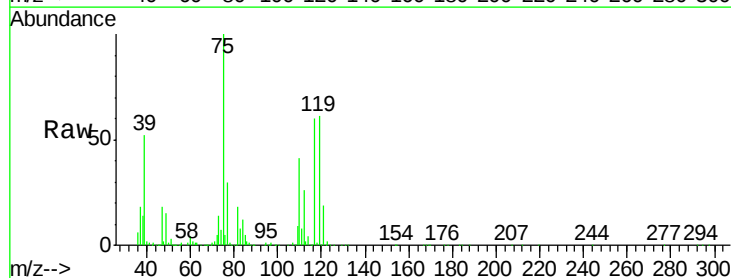
RT: 5.80 min Scan# 762

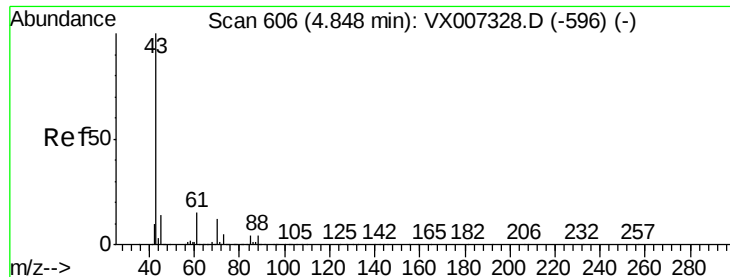
Delta R.T. 0.00 min

Lab File: VX007414.D

Acq: 07 Feb 2019 10:00

Tgt Ion:	75	Resp:	320084
Ion Ratio	Lower	Upper	
75	100		
110	40.1	20.0	59.9
77	30.9	24.7	37.1





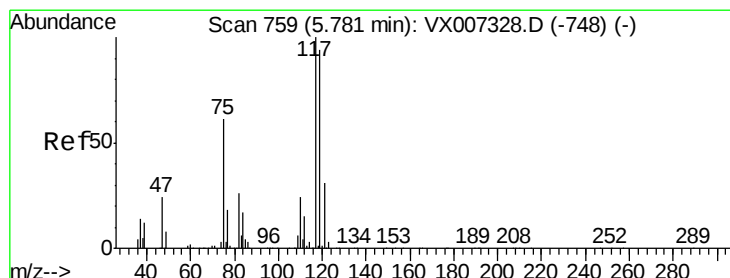
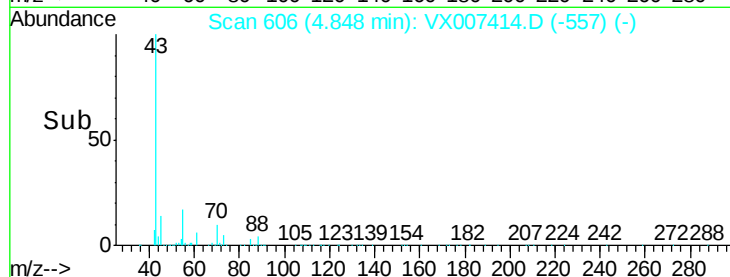
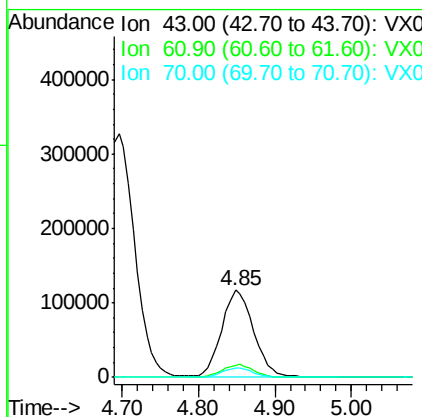
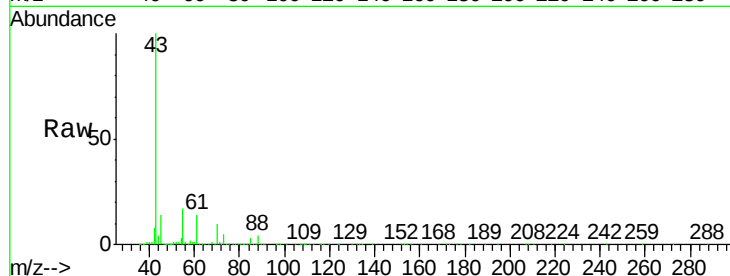
#37
Ethyl Acetate
Concen: 49.574 ug/l
RT: 4.85 min Scan# 606
Delta R.T. 0.00 min
Lab File: VX007414.D
Acq: 07 Feb 2019 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	335554
Ion Ratio	Lower	Upper	
43	100		
61	14.5	11.3	16.9
70	10.7	8.6	13.0

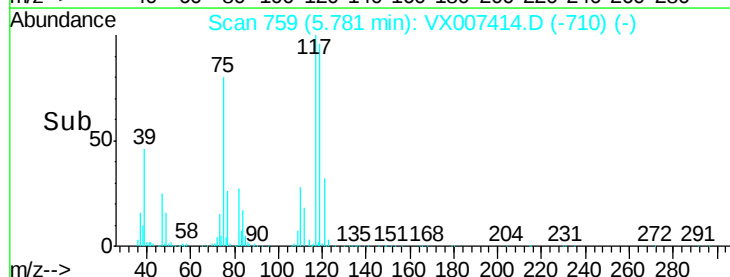
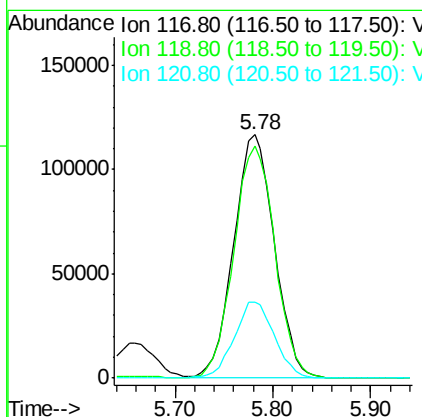
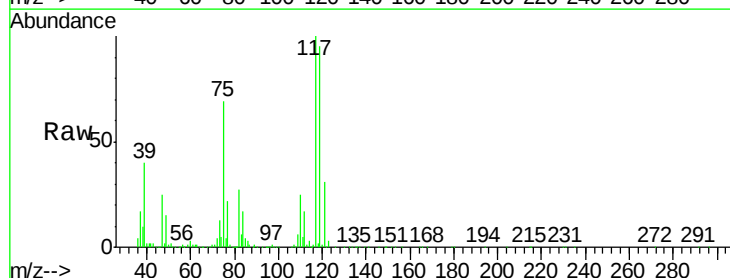
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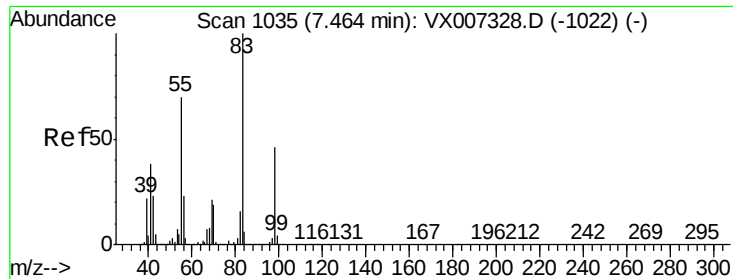
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#38
Carbon Tetrachloride
Concen: 51.685 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX007414.D
Acq: 07 Feb 2019 10:00

Tgt Ion	117	Resp	335749
Ion Ratio	Lower	Upper	
117	100		
119	95.4	75.3	112.9
121	31.2	25.0	37.4





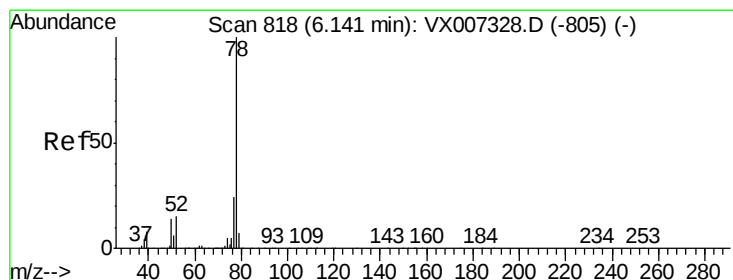
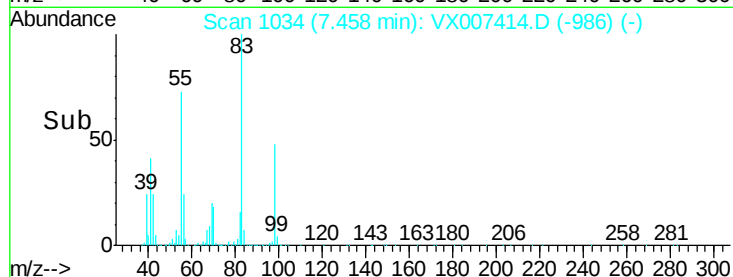
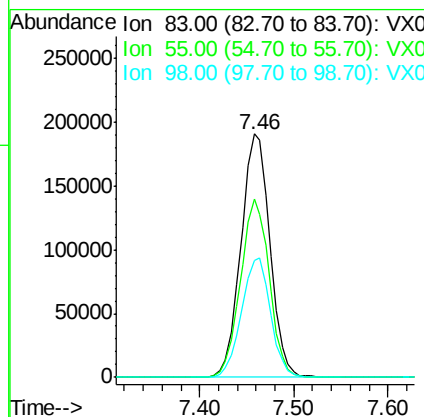
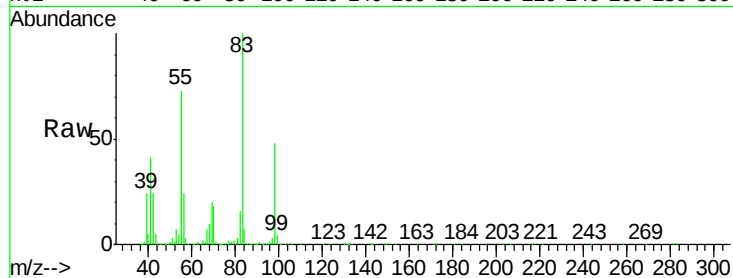
#39
Methvlcvclohexane
Concen: 50.631 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX007414.D
Acq: 07 Feb 2019 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.1	56.2	84.2
98	47.8	36.8	55.2

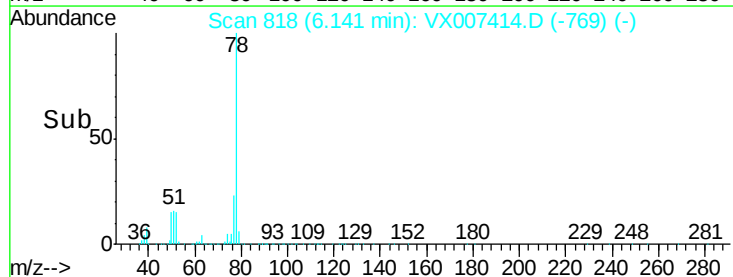
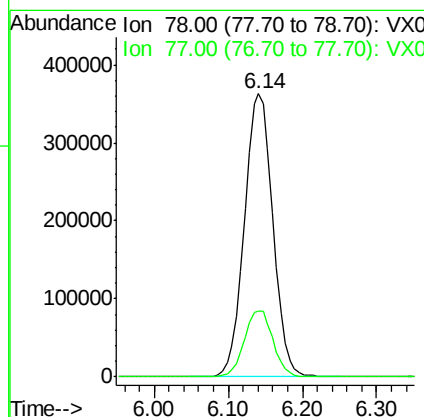
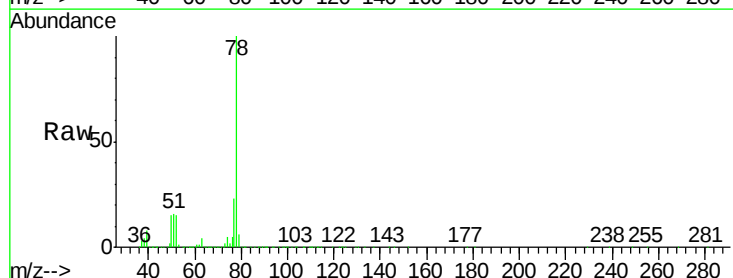
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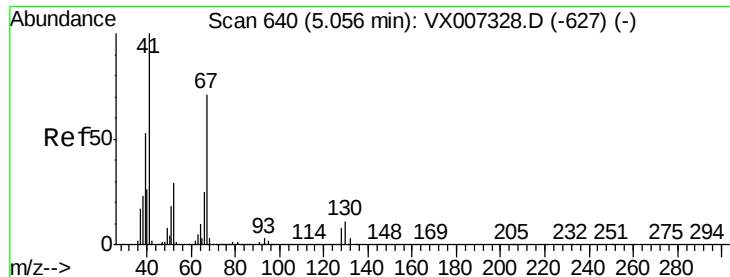
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#40
Benzene
Concen: 49.350 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX007414.D
Acq: 07 Feb 2019 10:00

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	19.3	28.9





#41

Methacrylonitrile

Concen: 50.941 ug/l

RT: 5.06 min Scan# 640

Delta R.T. 0.00 min

Lab File: VX007414.D

Acq: 07 Feb 2019 10:00

Instrument :

MSVOA_X

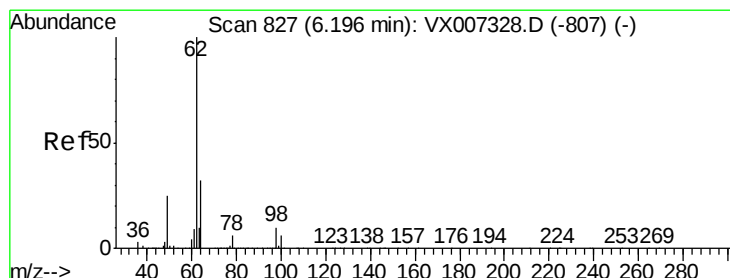
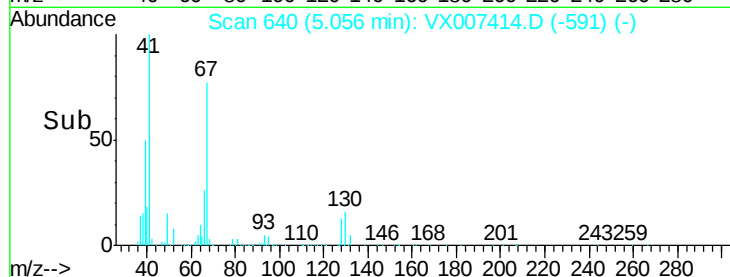
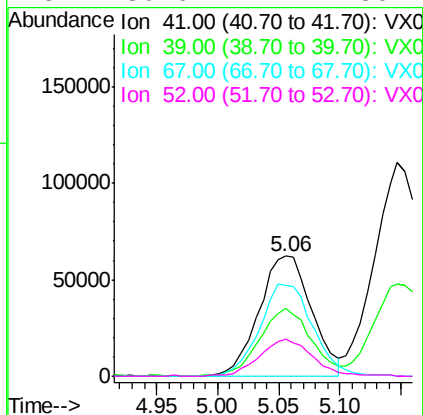
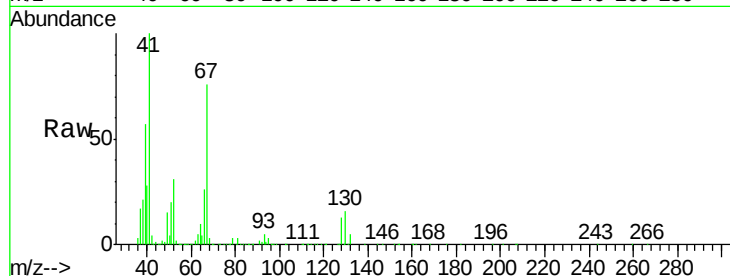
ClientSampled :

VSTDCCC050

Tot Ion	41	Resp	184800
Ion Ratio	Lower	Upper	
41	100		
39	54.7	44.5	66.7
67	77.9	60.4	90.6
52	30.6	24.1	36.1

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#42

1,2-Dichloroethane

Concen: 48.367 ug/l

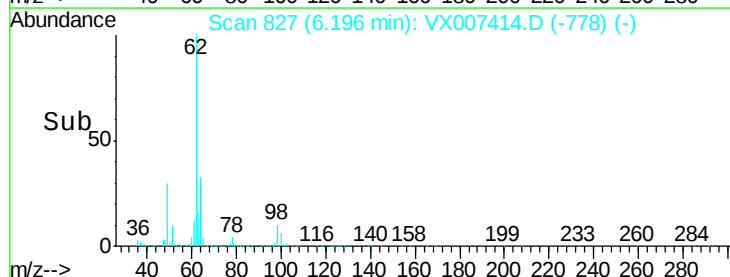
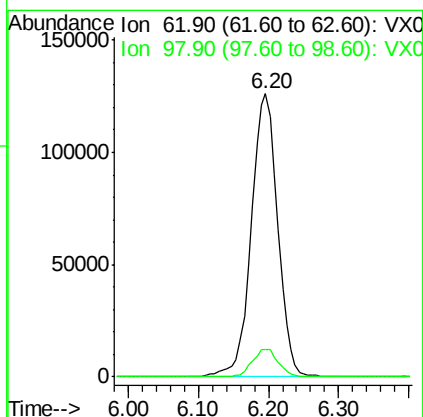
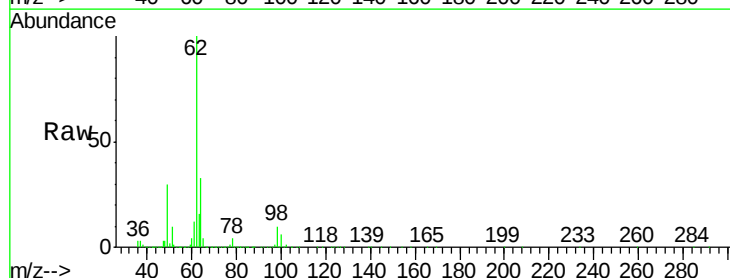
RT: 6.20 min Scan# 827

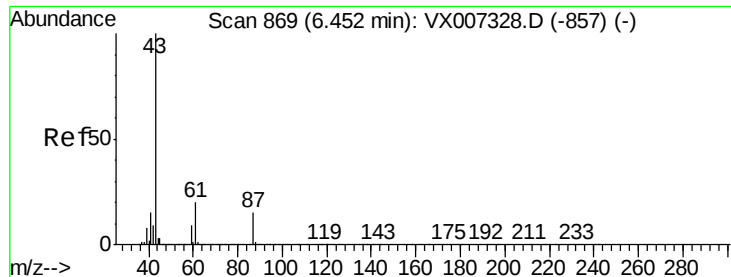
Delta R.T. 0.00 min

Lab File: VX007414.D

Acq: 07 Feb 2019 10:00

Tgt Ion	62	Resp	330077
Ion Ratio	Lower	Upper	
62	100		
98	9.7	0.0	19.0





#43

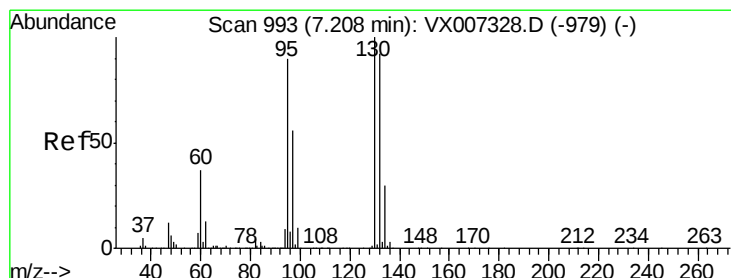
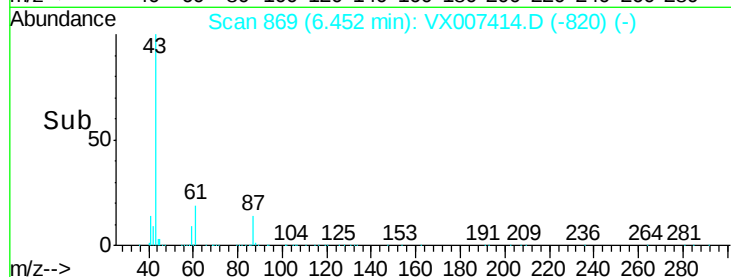
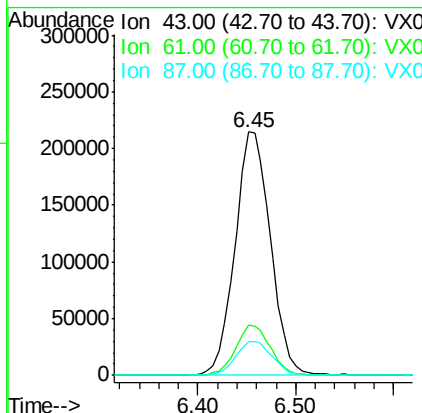
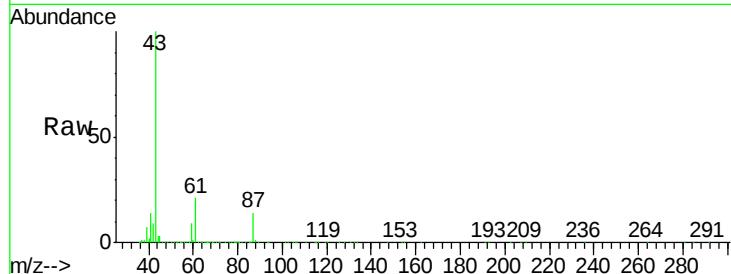
Isopropyl Acetate
 Concen: 51.510 ug/l
 RT: 6.45 min Scan# 869
 Delta R.T. 0.00 min
 Lab File: VX007414.D
 Acq: 07 Feb 2019 10:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.2	16.1	24.1
87	14.4	11.5	17.3

Manual Integrations
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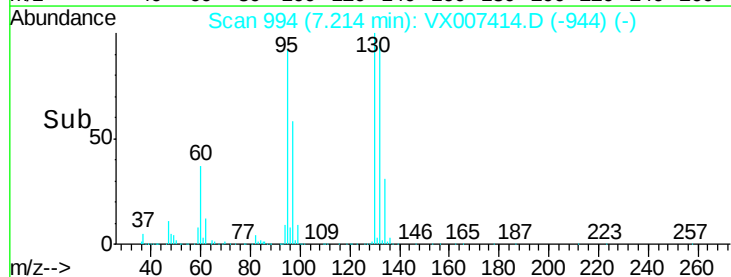
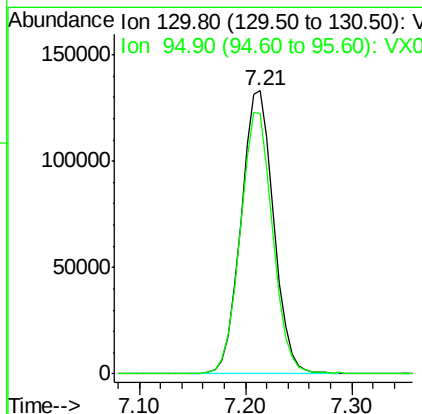
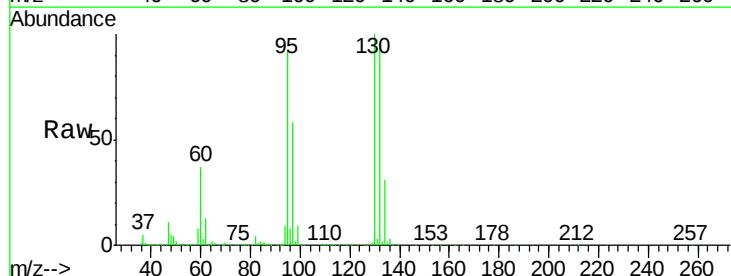
MMDadoda
 2/11/2019 12:27:48 PM

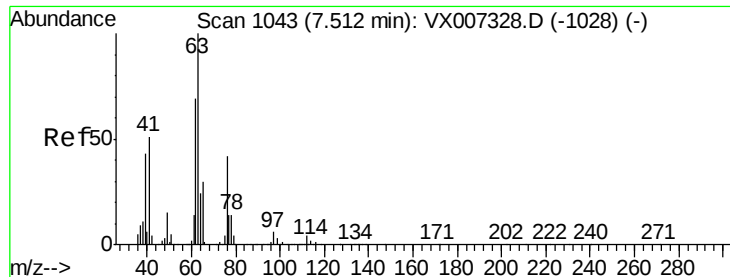


#44

Trichloroethene
 Concen: 48.267 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.01 min
 Lab File: VX007414.D
 Acq: 07 Feb 2019 10:00

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.0	0.0	180.0





#45

1,2-Dichloropropane

Concen: 48.872 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX007414.D

Acq: 07 Feb 2019 10:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 241524

Ion Ratio Lower Upper

63 100

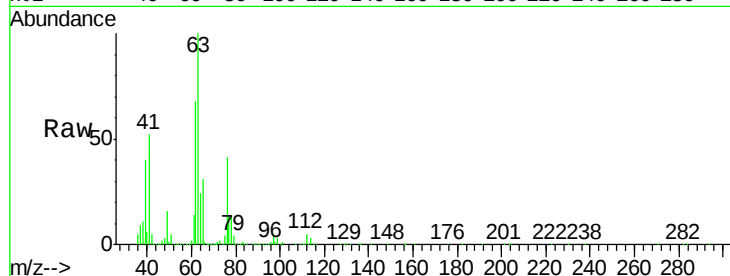
65 30.4 24.2 36.2

Manual Integrations

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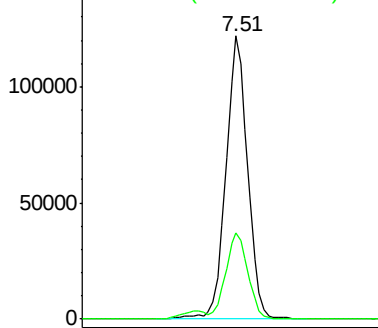
MMDadoda

2/11/2019 12:27:48 PM

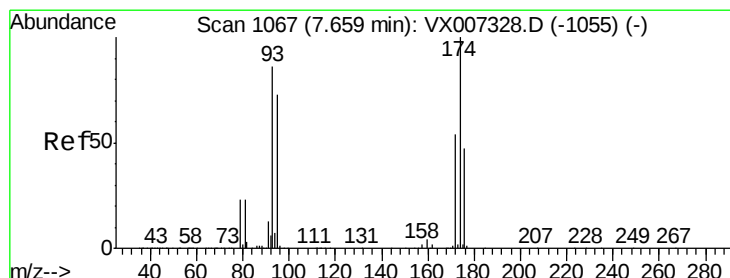
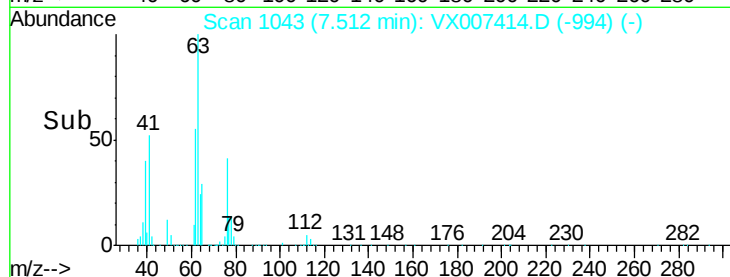


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



Time-->



#46

Dibromomethane

Concen: 48.272 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX007414.D

Acq: 07 Feb 2019 10:00

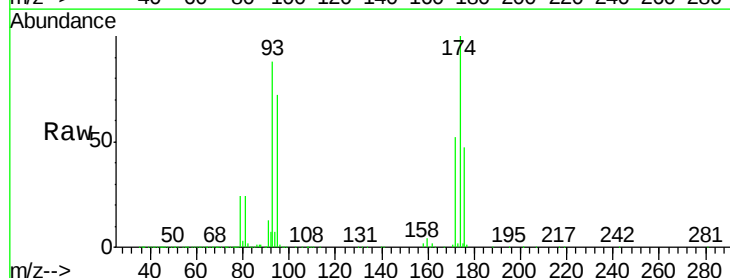
Tgt Ion: 93 Resp: 173387

Ion Ratio Lower Upper

93 100

95 83.9 67.6 101.4

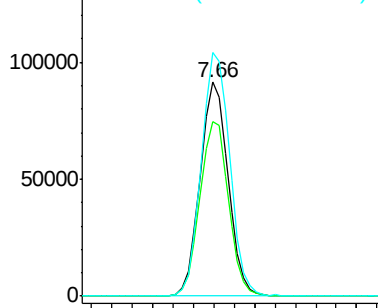
174 115.8 94.2 141.4



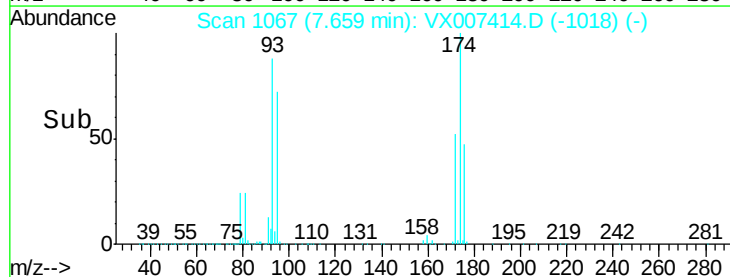
Abundance Ion 92.80 (92.50 to 93.50): VX0

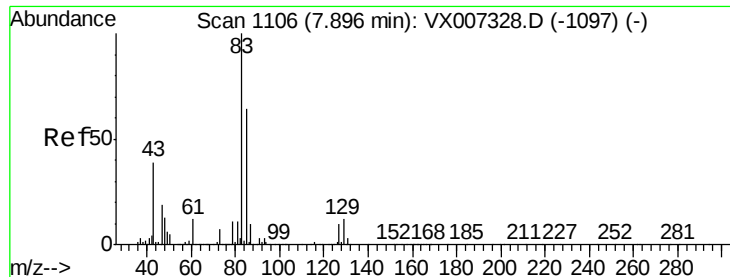
Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V



Time-->





#47

Bromodichloromethane

Concen: 51.356 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX007414.D

Acq: 07 Feb 2019 10:00

Instrument :

MSVOA_X

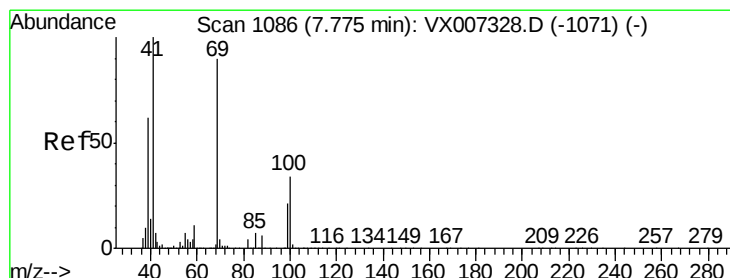
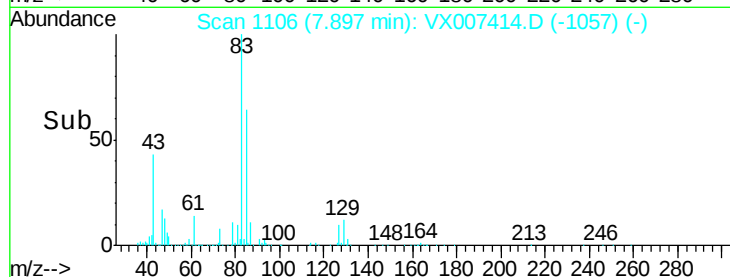
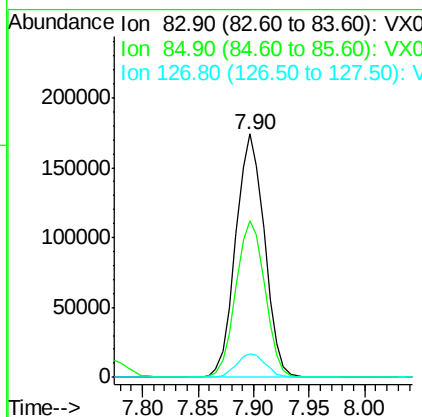
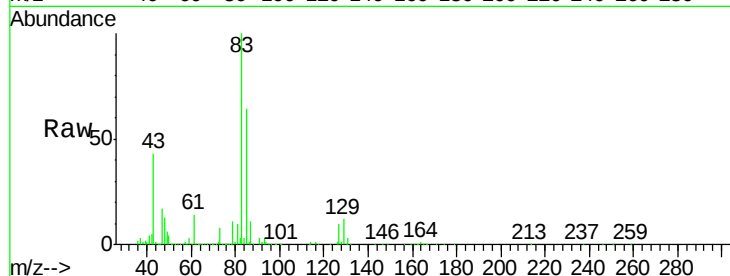
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	312624
Ion Ratio	Lower	Upper	
83	100		
85	63.9	51.4	77.0
127	9.8	8.1	12.1

Manual Integrations
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2/11/2019 12:27:48 PM



#48

Methyl methacrylate

Concen: 53.451 ug/l

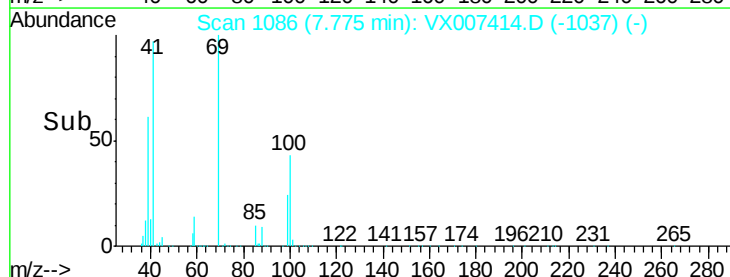
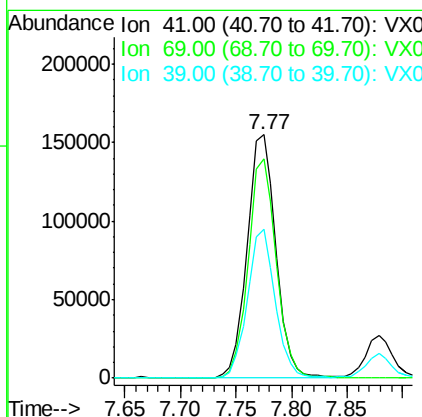
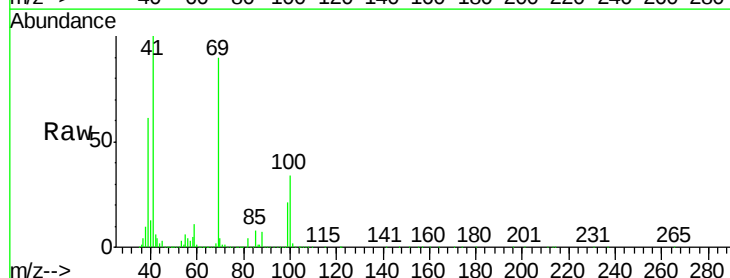
RT: 7.77 min Scan# 1086

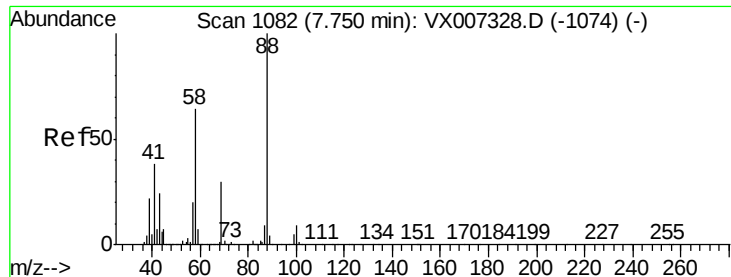
Delta R.T. 0.00 min

Lab File: VX007414.D

Acq: 07 Feb 2019 10:00

Tgt Ion:	41	Resp:	279330
Ion Ratio	Lower	Upper	
41	100		
69	88.1	70.2	105.4
39	58.8	47.4	71.0





#49

1,4-Dioxane

Concen: 1054.596 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. 0.00 min

Lab File: VX007414.D

Acq: 07 Feb 2019 10:00

Instrument :

MSVOA_X

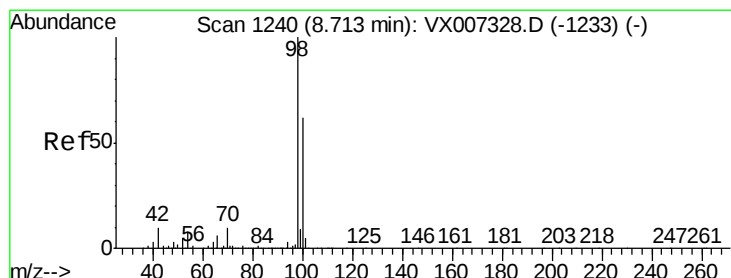
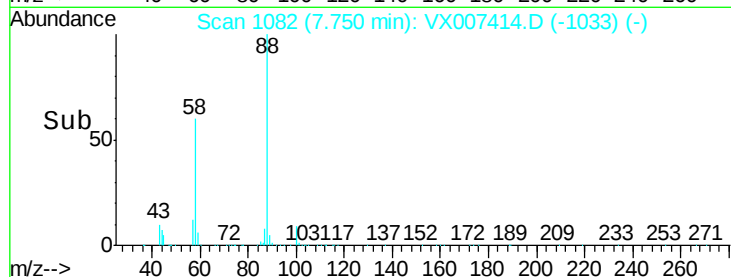
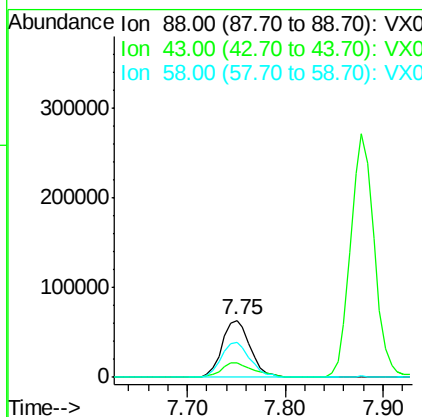
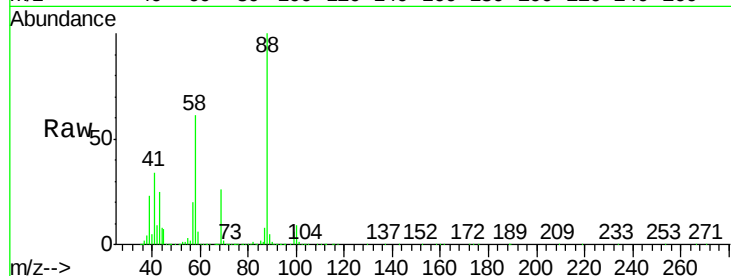
ClientSampleId :

VSTDCCC050

Tot Ion:	88	Resp:	125380
Ion	Ratio	Lower	Upper
88	100		
43	28.6	24.2	36.4
58	64.2	53.0	79.4

Manual Integrations
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#50

Toluene-d8

Concen: 50.541 ug/l

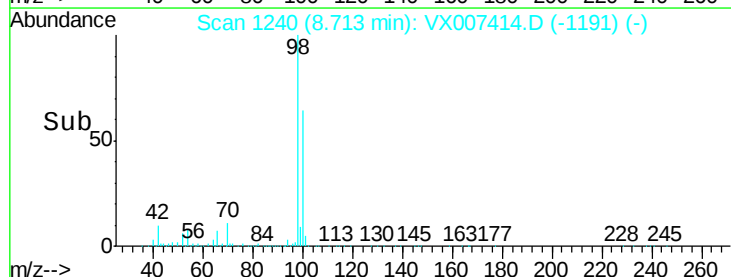
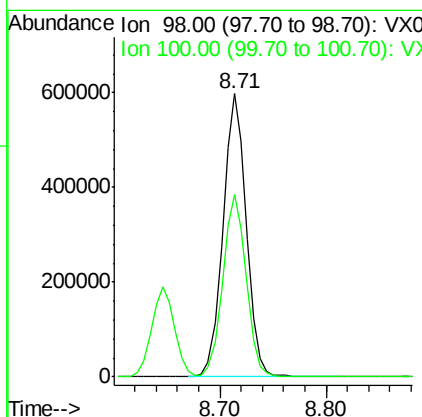
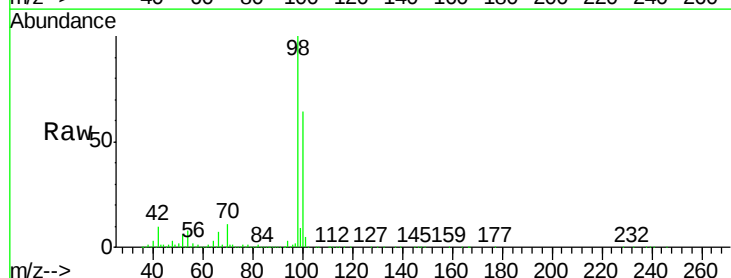
RT: 8.71 min Scan# 1240

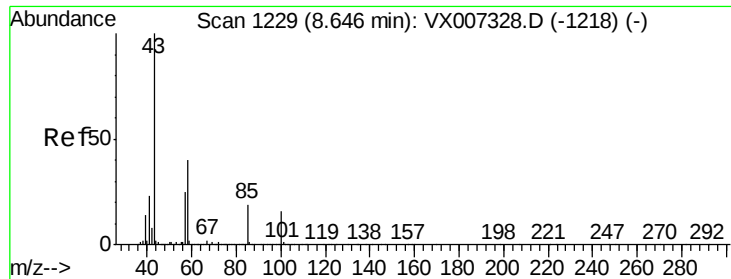
Delta R.T. 0.00 min

Lab File: VX007414.D

Acq: 07 Feb 2019 10:00

Tgt Ion:	98	Resp:	910534
Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 260.294 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VX007414.D

Acq: 07 Feb 2019 10:00

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 1790241

Ion Ratio Lower Upper

43 100

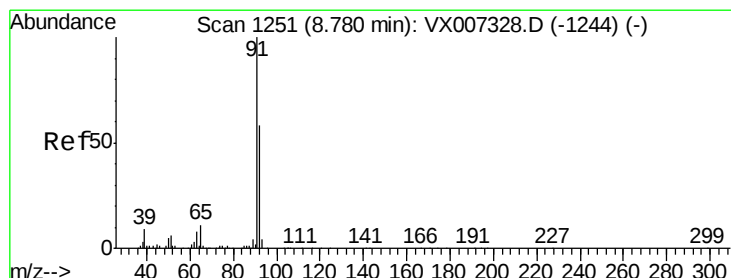
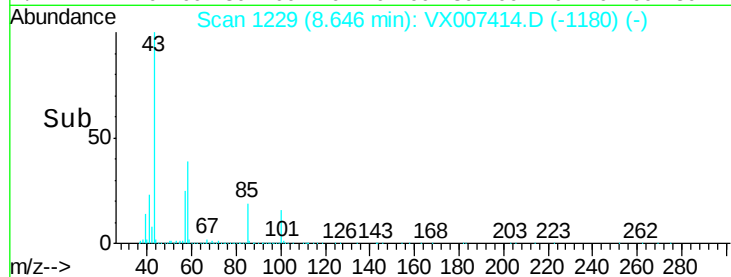
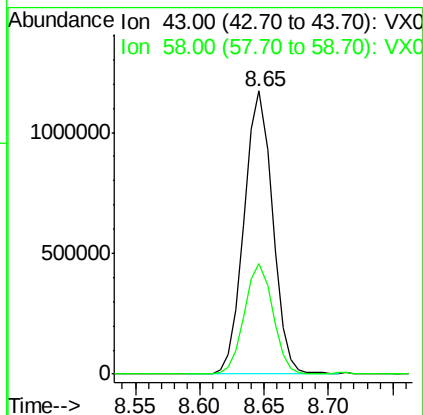
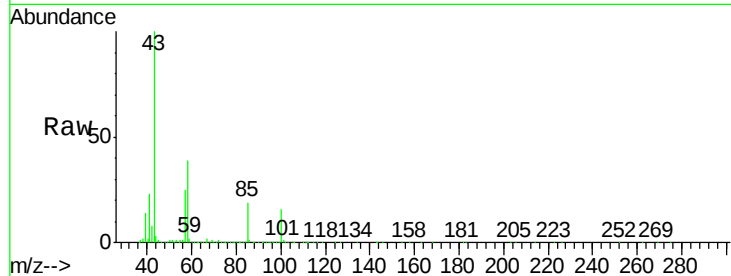
58 39.2 31.2 46.8

Manual Integrations

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#52

Toluene

Concen: 50.159 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VX007414.D

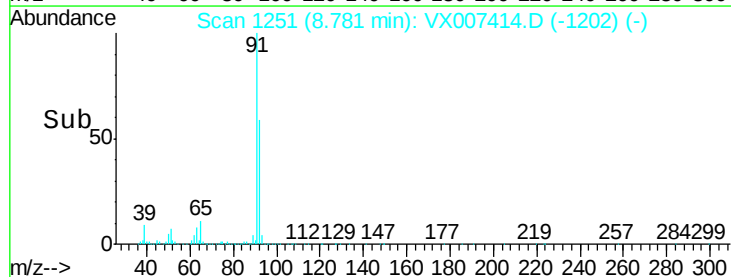
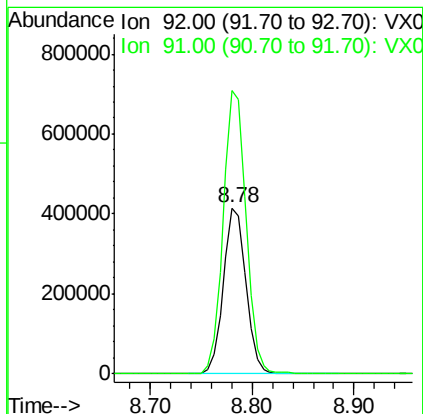
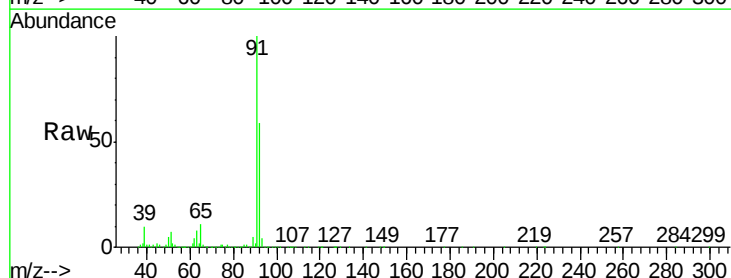
Acq: 07 Feb 2019 10:00

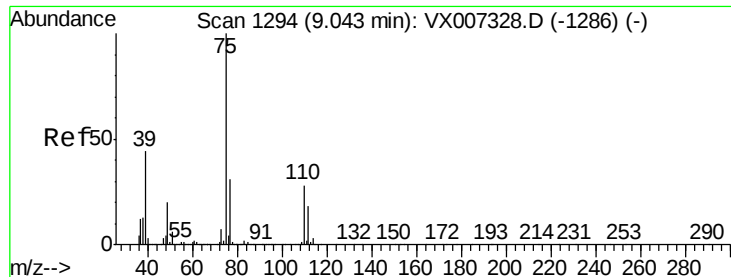
Tgt Ion: 92 Resp: 638319

Ion Ratio Lower Upper

92 100

91 173.2 139.1 208.7





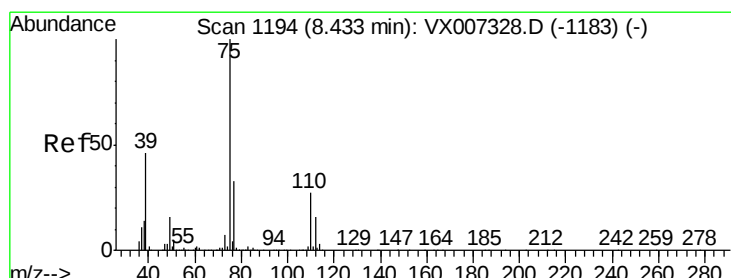
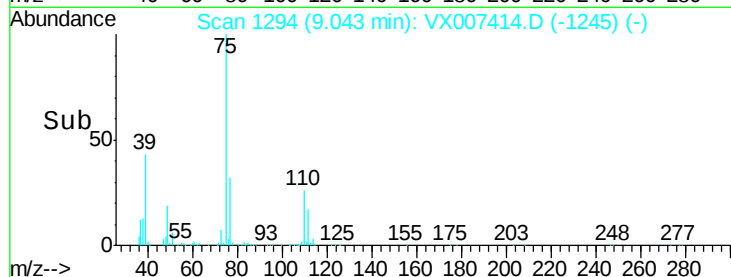
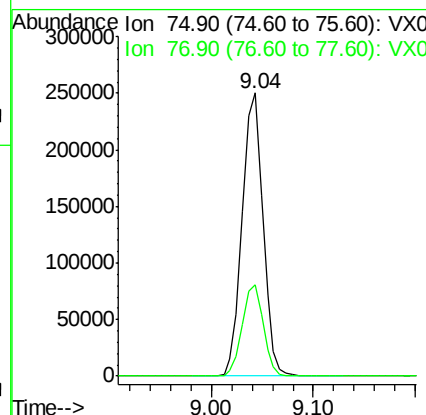
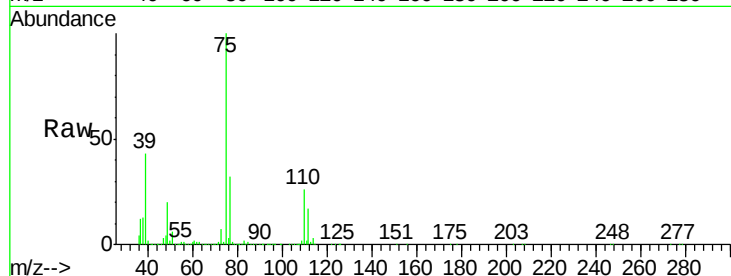
#53
t-1,3-Dichloropropene
Concen: 53.925 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX007414.D
Acq: 07 Feb 2019 10:00

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.2	37.8

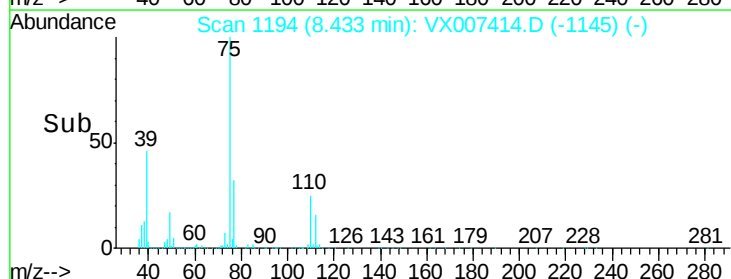
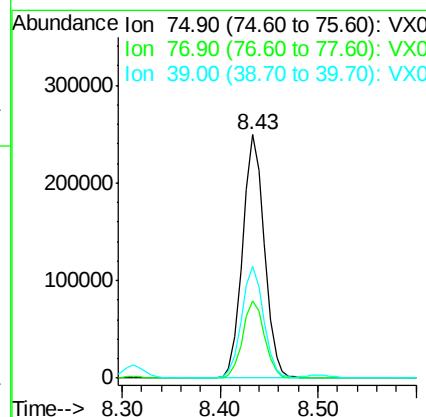
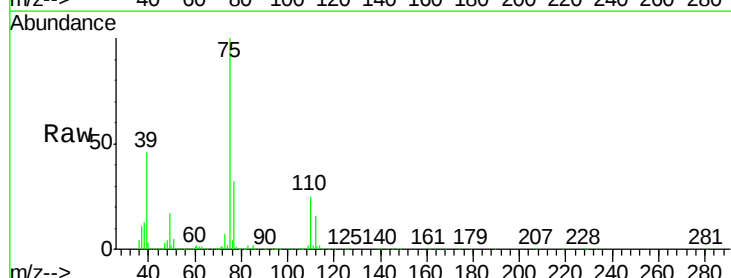
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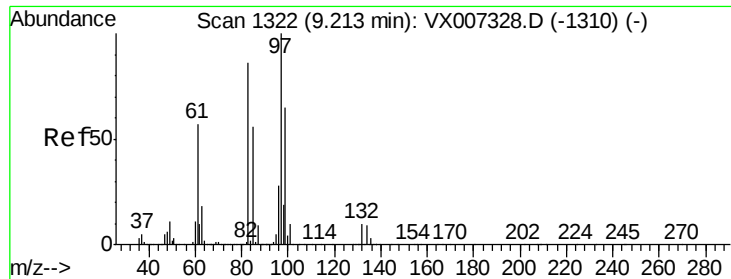
MMDadoda
2/11/2019 12:27:48 PM



#54
cis-1,3-Dichloropropene
Concen: 53.605 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX007414.D
Acq: 07 Feb 2019 10:00

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.7	26.2	39.4
39	46.1	37.1	55.7





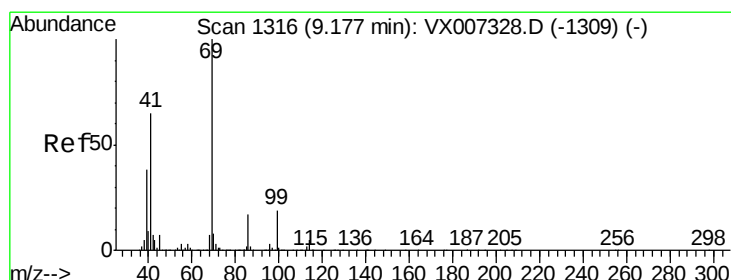
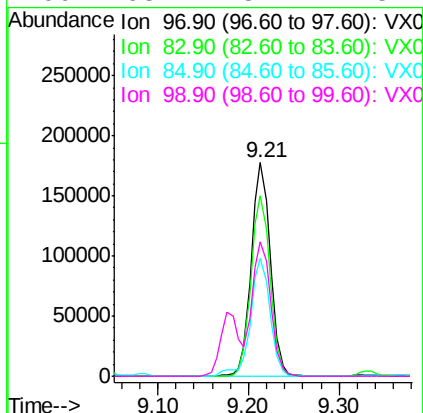
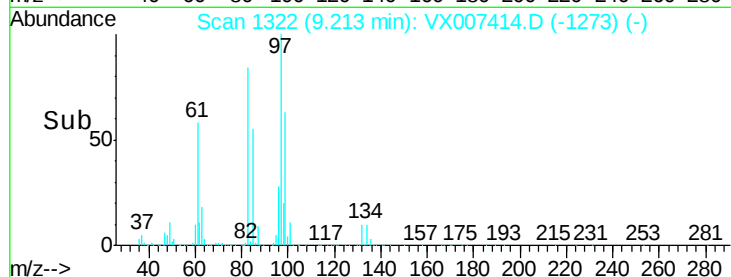
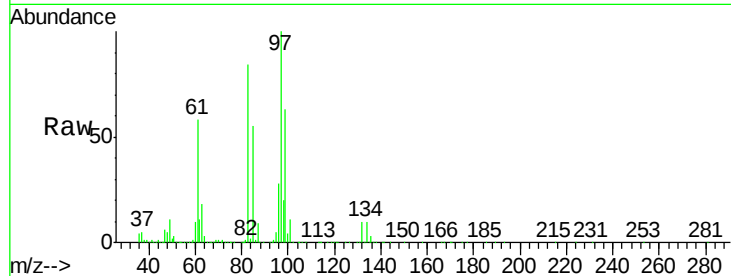
#55
 1,1,2-Trichloroethane
 Concen: 48.903 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX007414.D
 Acq: 07 Feb 2019 10:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		259417		
83	84.3	68.6	102.8		
85	55.2	44.5	66.7		
99	63.1	52.2	78.4		

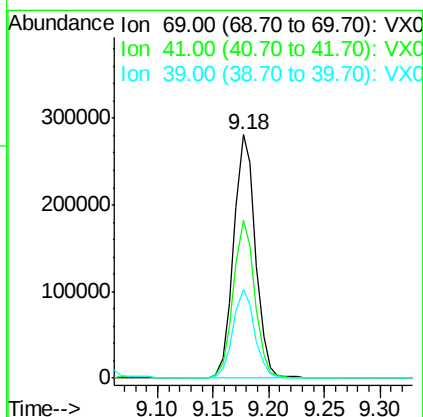
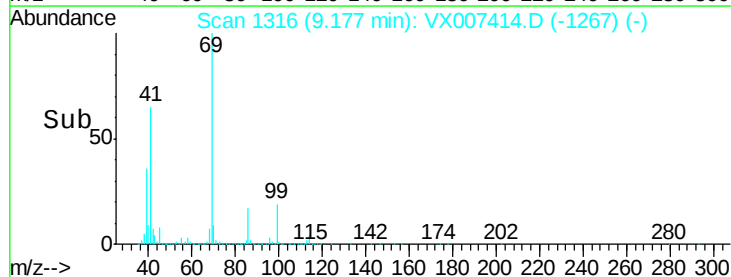
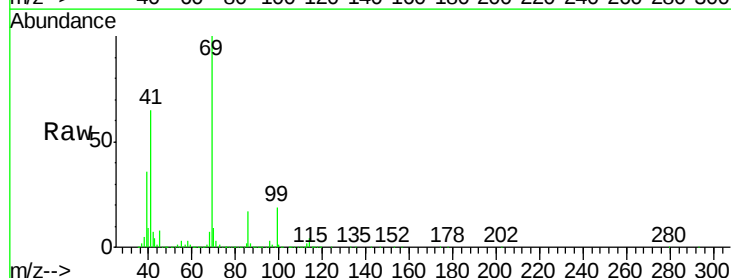
Manual Integrations
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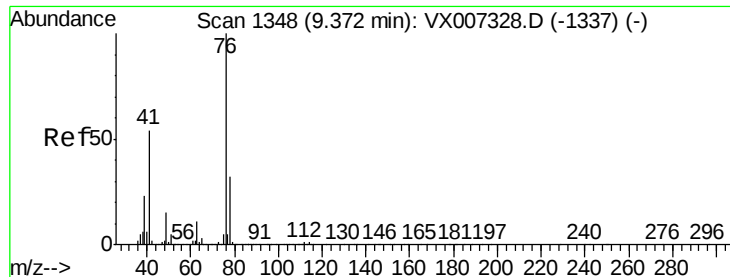
MMDadoda
 2/11/2019 12:27:48 PM



#56
 Ethyl methacrylate
 Concen: 51.837 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX007414.D
 Acq: 07 Feb 2019 10:00

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		380846		
41	63.9	52.1	78.1		
39	36.0	30.1	45.1		





#57

1,3-Dichloropropane

Concen: 49.690 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX007414.D

Acq: 07 Feb 2019 10:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 419185

Ion Ratio Lower Upper

76 100

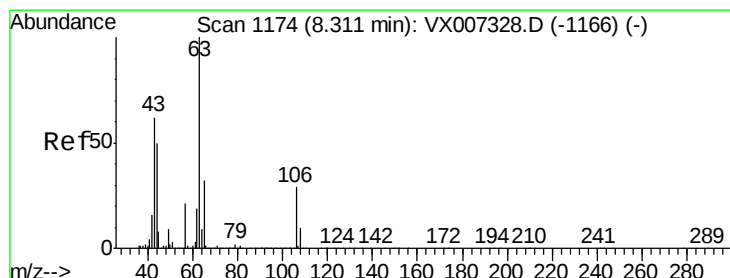
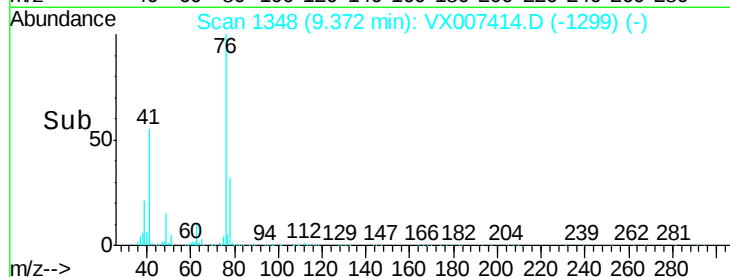
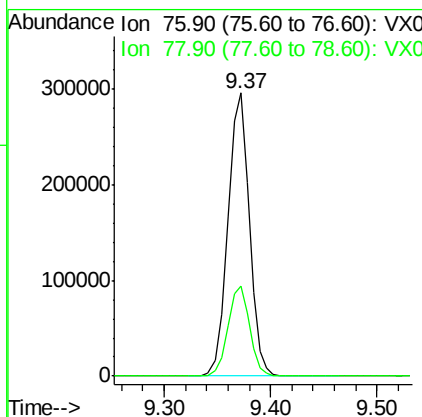
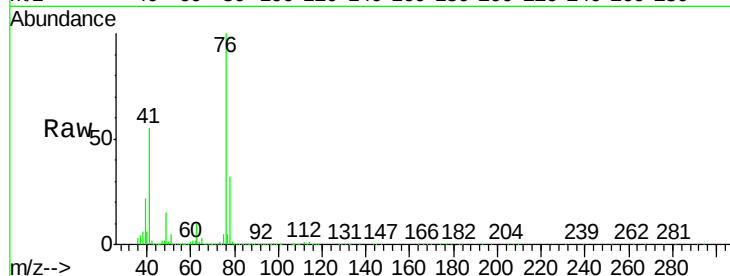
78 32.2 25.8 38.8

Manual Integrations

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2/11/2019 12:27:48 PM



#58

2-Chloroethyl Vinyl ether

Concen: 264.904 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX007414.D

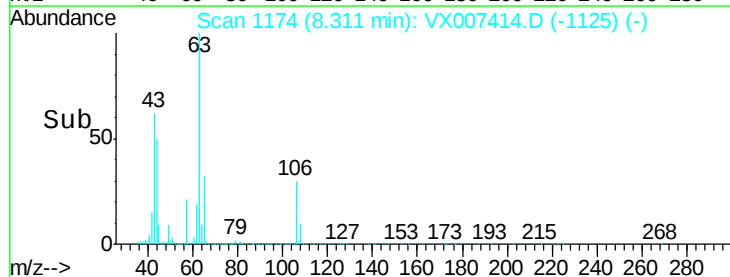
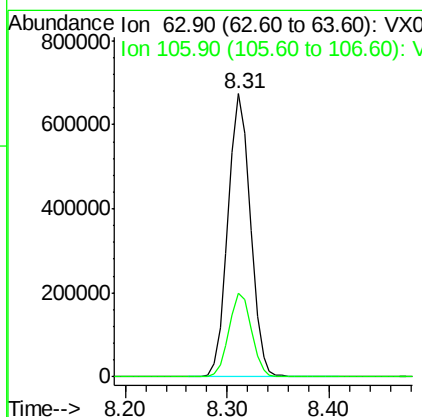
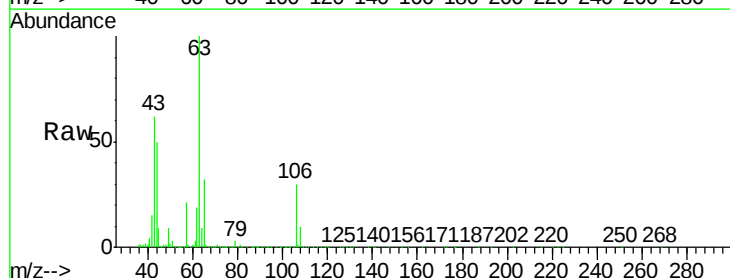
Acq: 07 Feb 2019 10:00

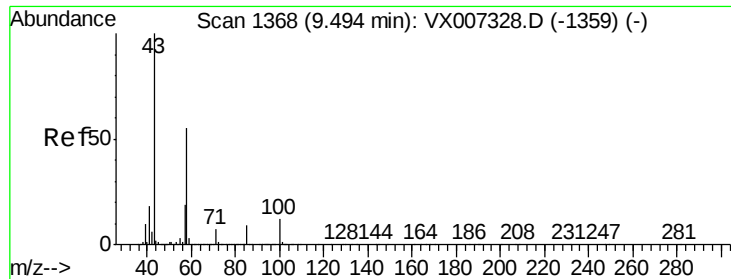
Tgt Ion: 63 Resp: 1025841

Ion Ratio Lower Upper

63 100

106 29.9 23.6 35.4





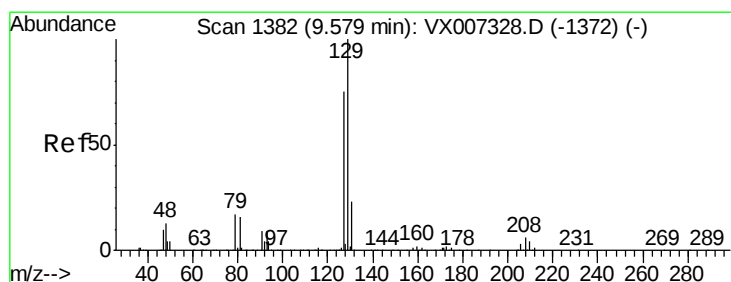
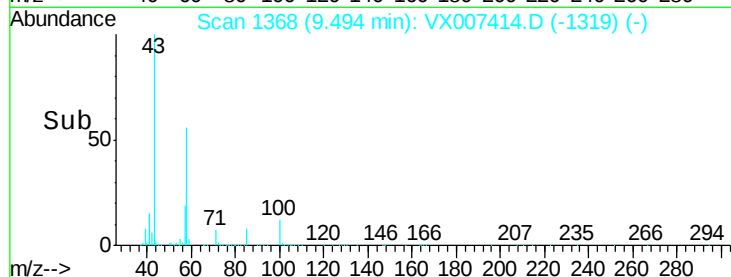
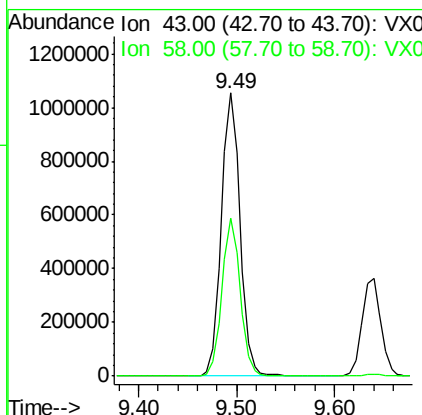
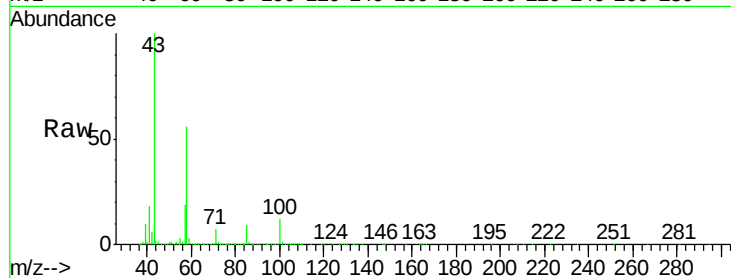
#59
2-Hexanone
Concen: 262.459 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX007414.D
Acq: 07 Feb 2019 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1404692
Ion Ratio Lower Upper
43 100
58 54.4 27.1 81.3

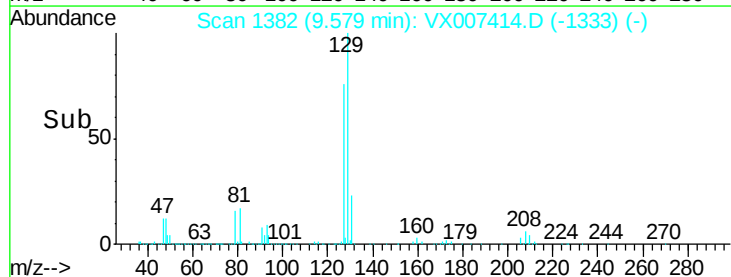
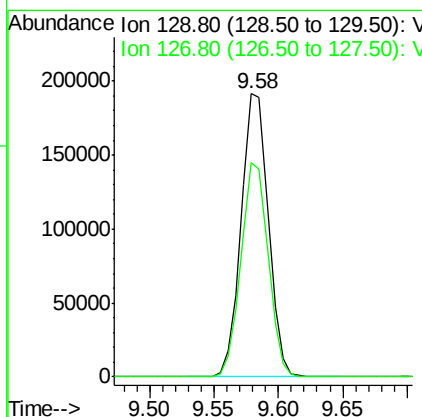
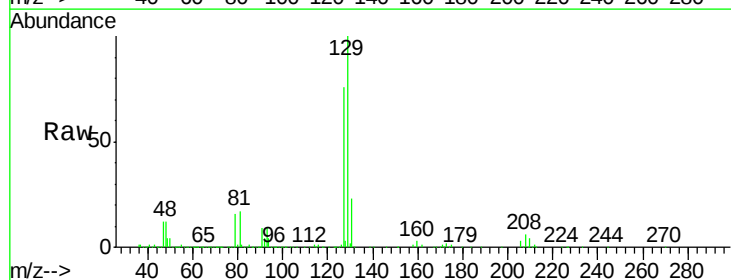
Manual Integrations
APPROVED

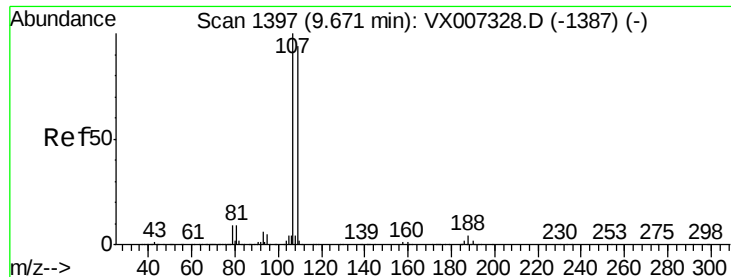
MMDadoda
2/11/2019 12:27:48 PM



#60
Dibromochloromethane
Concen: 55.687 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX007414.D
Acq: 07 Feb 2019 10:00

Tgt Ion: 129 Resp: 279382
Ion Ratio Lower Upper
129 100
127 75.8 37.8 113.4





#61

1,2-Dibromoethane

Concen: 50.751 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX007414.D

Acq: 07 Feb 2019 10:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 285105

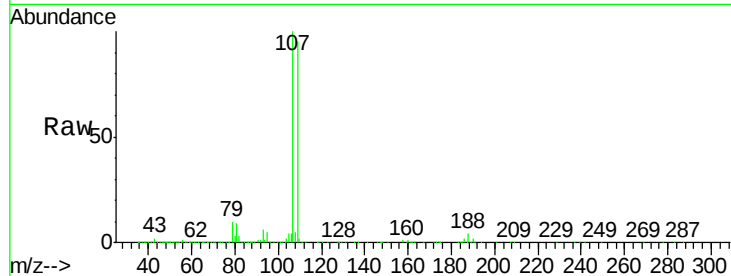
Ion Ratio Lower Upper

107 100

109 94.6 75.1 112.7

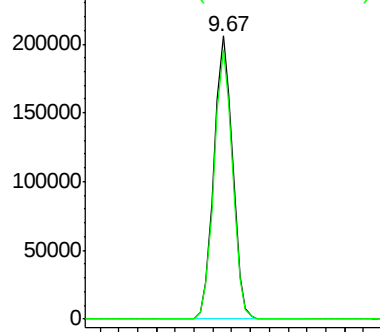
Manual Integrations
APPROVED

MMDadoda
2/11/2019 12:27:48 PM

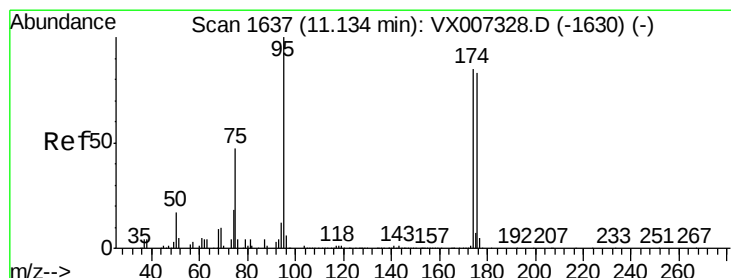
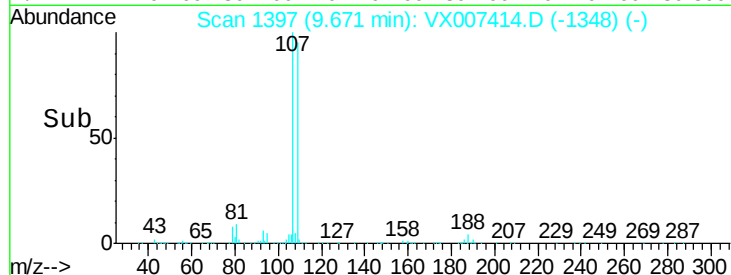


Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



Time-->



#62

4-Bromofluorobenzene

Concen: 50.936 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007414.D

Acq: 07 Feb 2019 10:00

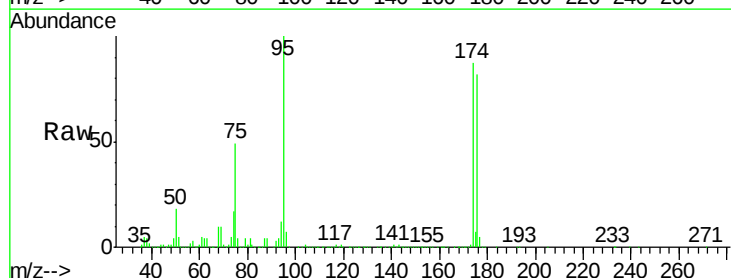
Tgt Ion: 95 Resp: 335035

Ion Ratio Lower Upper

95 100

174 94.0 0.0 189.2

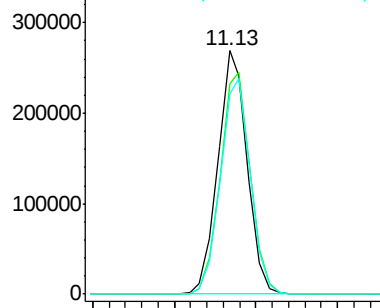
176 90.5 0.0 186.2



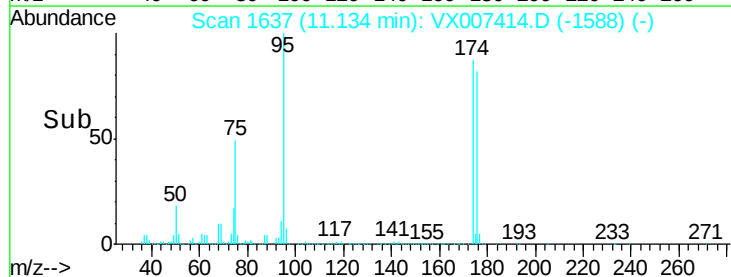
Abundance Ion 94.90 (94.60 to 95.60): VX0

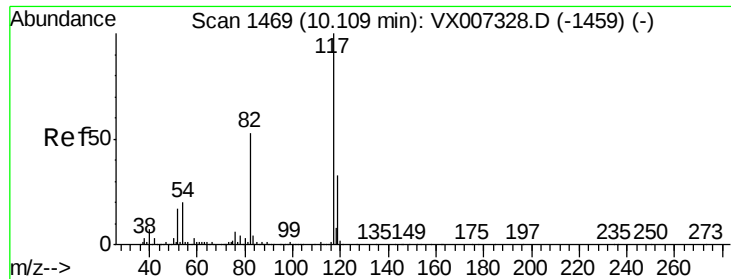
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->





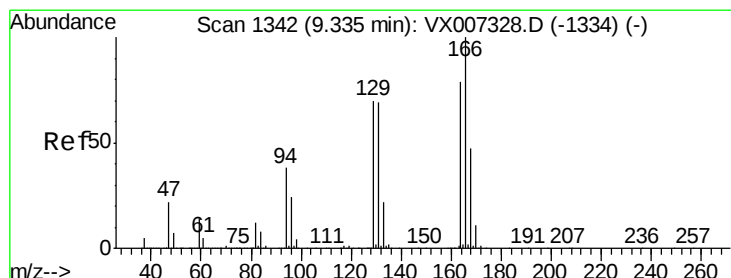
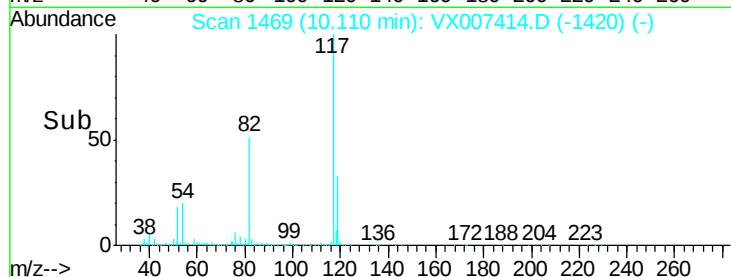
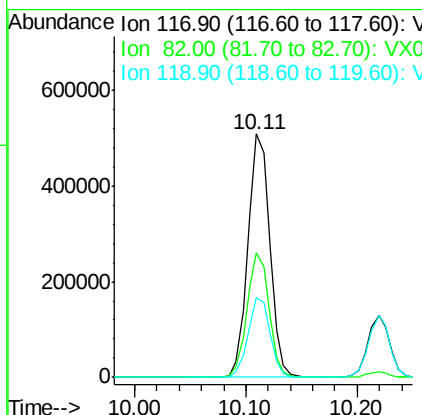
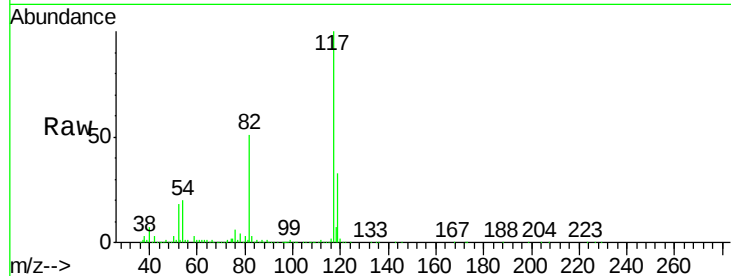
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX007414.D
Acq: 07 Feb 2019 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.4	42.1	63.1
119	32.6	26.5	39.7

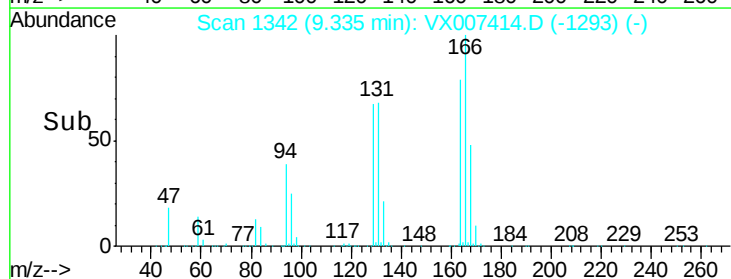
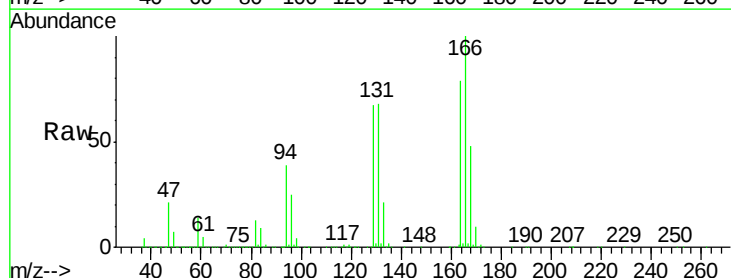
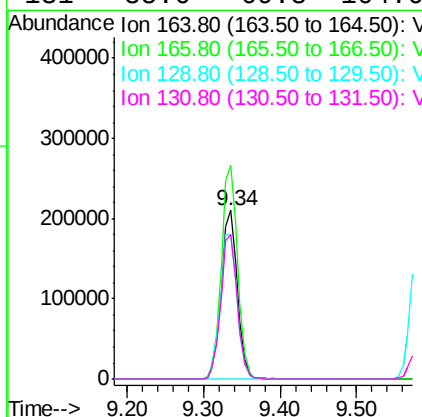
Manual Integrations
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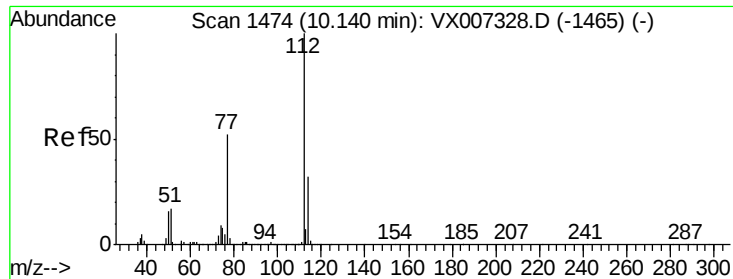
MMDadoda
2/11/2019 12:27:48 PM



#64
Tetrachloroethene
Concen: 46.382 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX007414.D
Acq: 07 Feb 2019 10:00

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.7	101.0	151.4
129	84.7	70.5	105.7
131	85.6	69.8	104.6





#65

Chlorobenzene

Concen: 48.526 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.01 min

Lab File: VX007414.D

Acq: 07 Feb 2019 10:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 735809

Ion Ratio Lower Upper

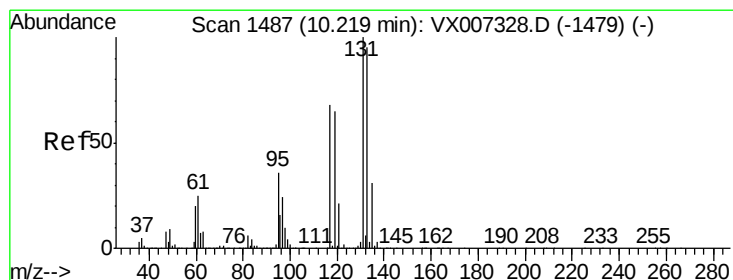
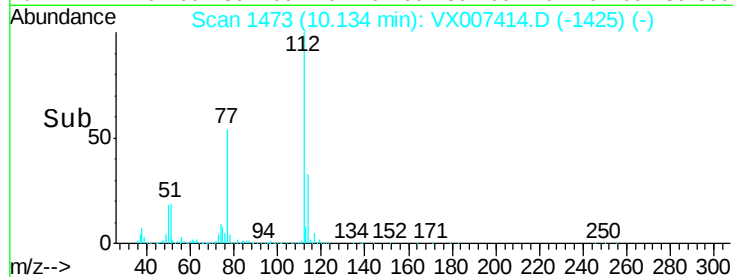
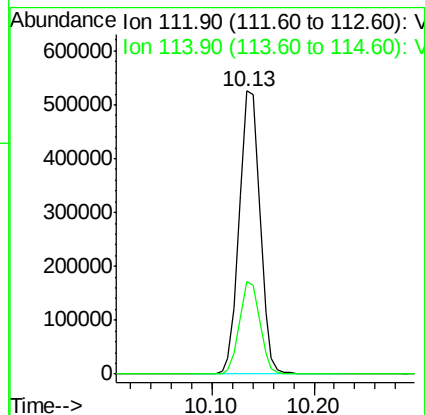
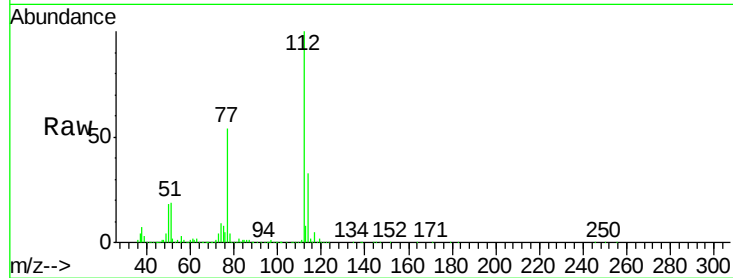
112 100

114 32.8 25.8 38.6

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 52.261 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX007414.D

Acq: 07 Feb 2019 10:00

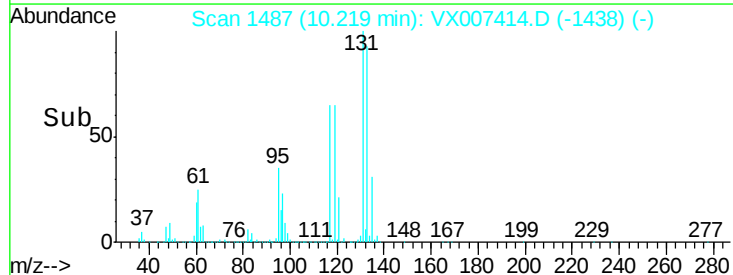
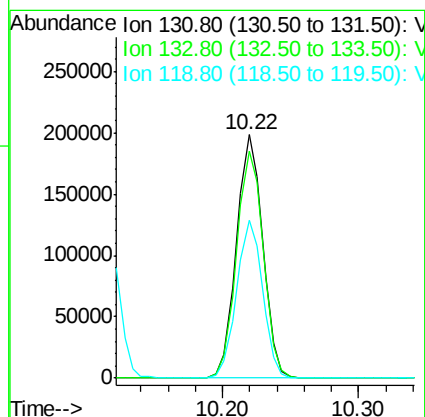
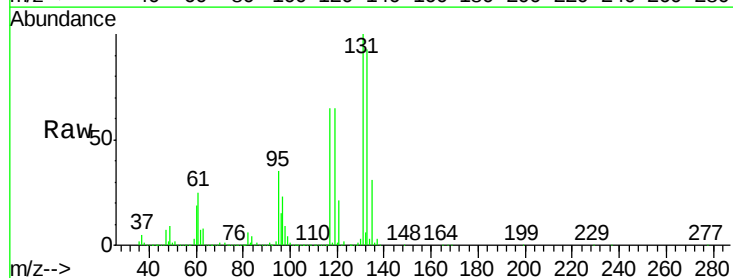
Tgt Ion:131 Resp: 265687

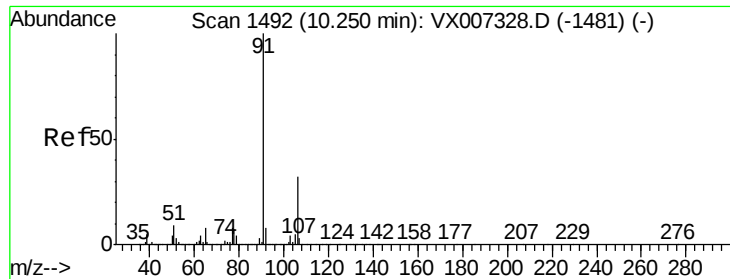
Ion Ratio Lower Upper

131 100

133 95.3 48.0 144.2

119 64.4 32.0 96.0





#67

Ethyl Benzene

Concen: 50.569 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX007414.D

Acq: 07 Feb 2019 10:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1234831

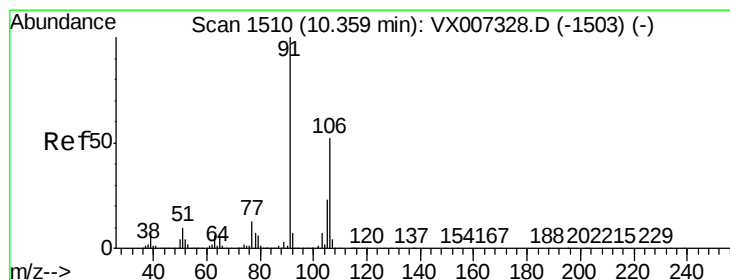
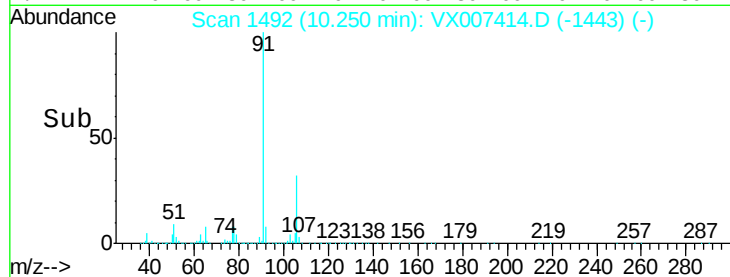
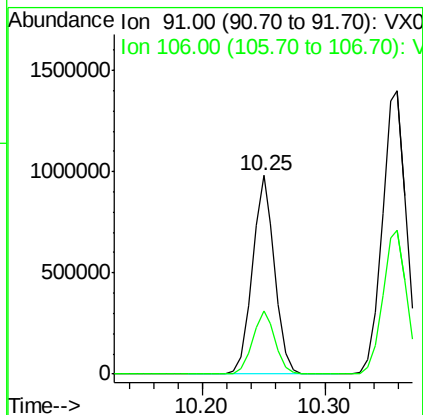
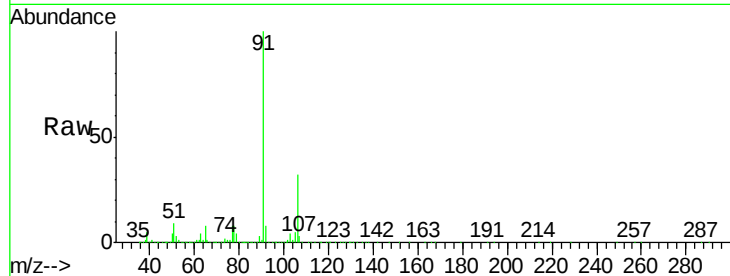
Ion Ratio Lower Upper

91 100

106 32.2 25.4 38.0

Manual Integrations
APPROVED

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#68

m/p-Xylenes

Concen: 99.711 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX007414.D

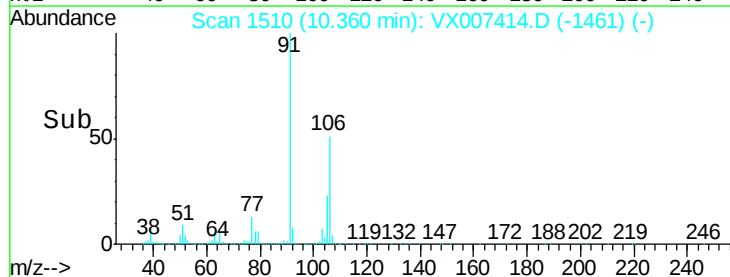
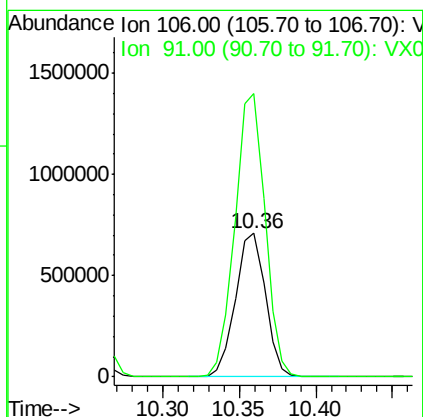
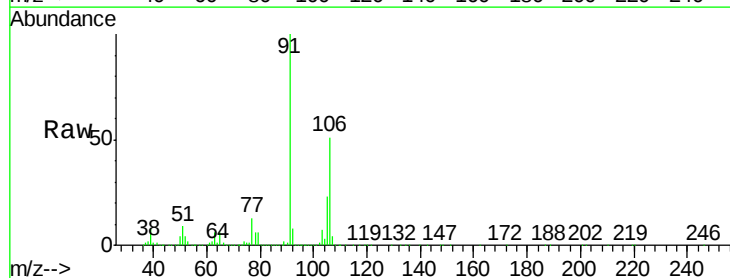
Acq: 07 Feb 2019 10:00

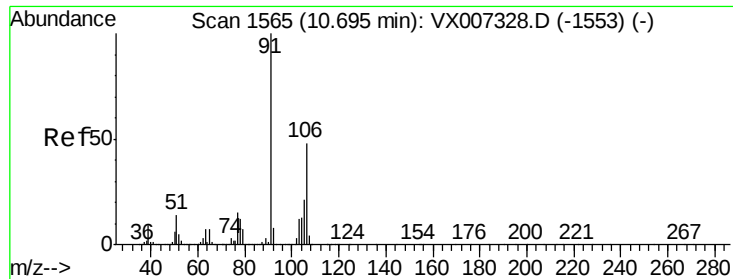
Tgt Ion: 106 Resp: 967872

Ion Ratio Lower Upper

106 100

91 198.3 156.6 234.8





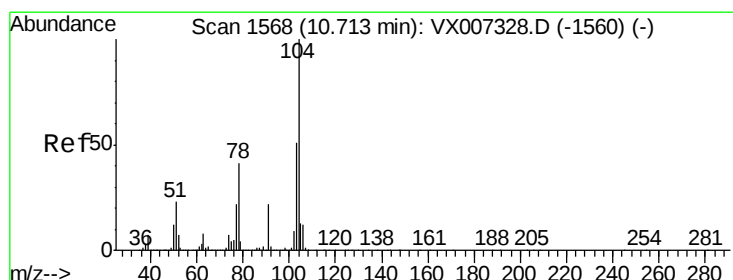
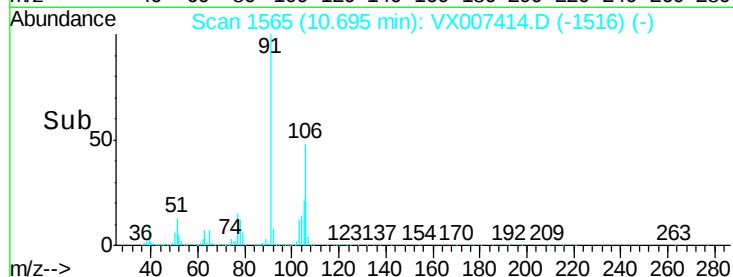
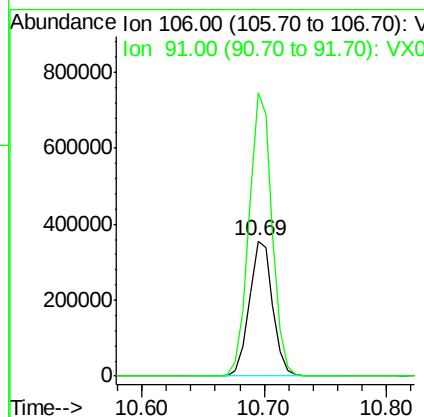
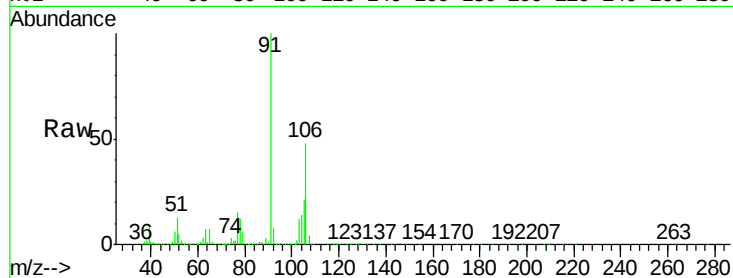
#69
o-Xylene
Concen: 50.378 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX007414.D
Acq: 07 Feb 2019 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 470544
Ion Ratio Lower Upper
106 100
91 206.9 102.9 308.7

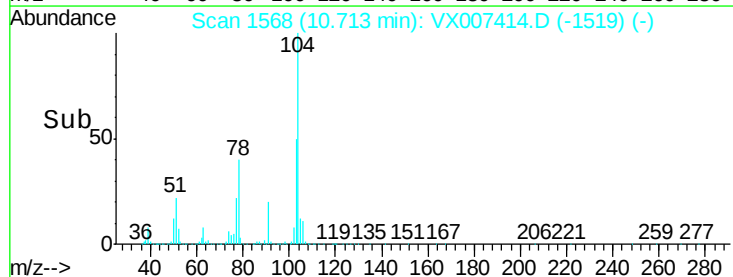
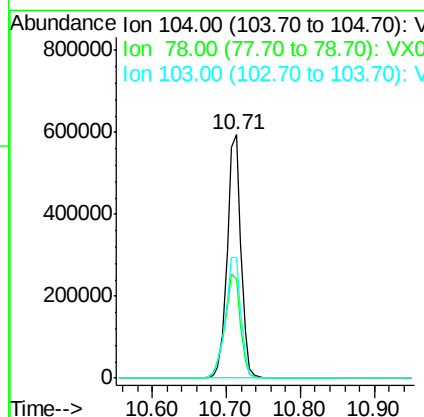
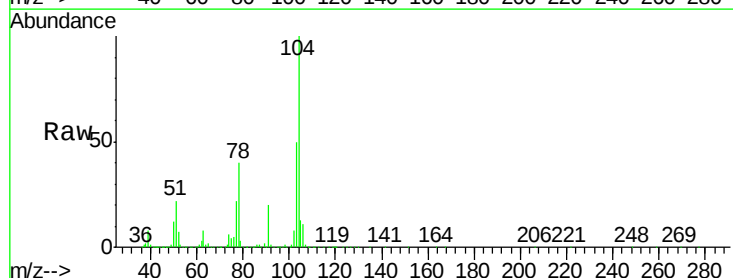
Manual Integrations
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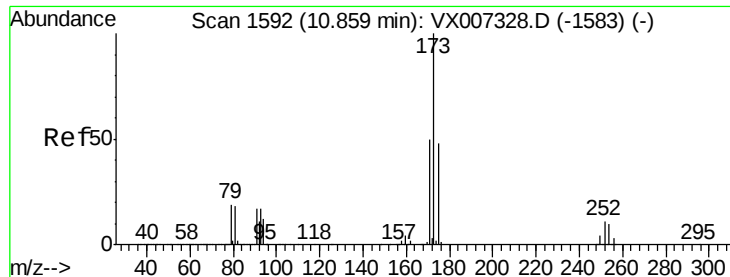
MMDadoda
2/11/2019 12:27:48 PM



#70
Styrene
Concen: 50.628 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX007414.D
Acq: 07 Feb 2019 10:00

Tgt Ion:104 Resp: 766904
Ion Ratio Lower Upper
104 100
78 47.9 38.3 57.5
103 55.5 44.6 67.0





#71

Bromoform

Concen: 46.768 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.01 min

Lab File: VX007414.D

Acq: 07 Feb 2019 10:00

Instrument :

MSVOA_X

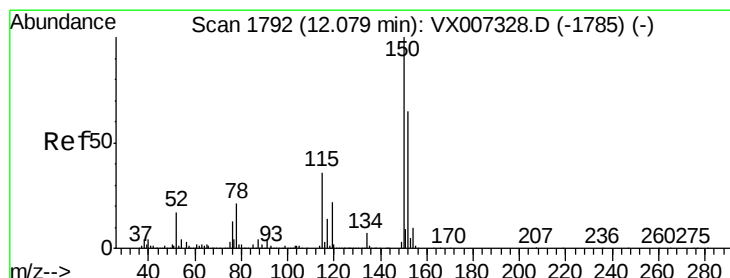
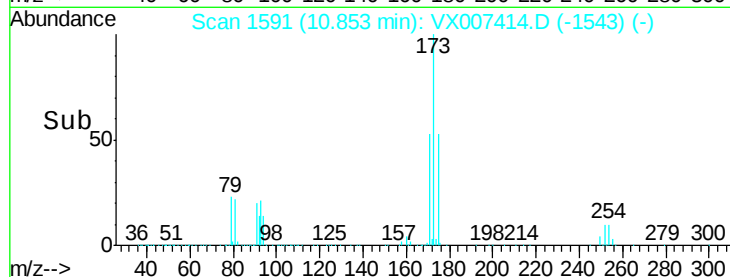
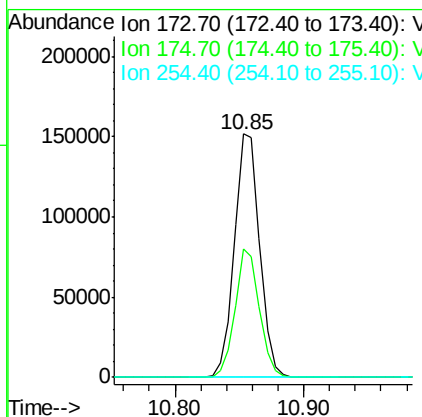
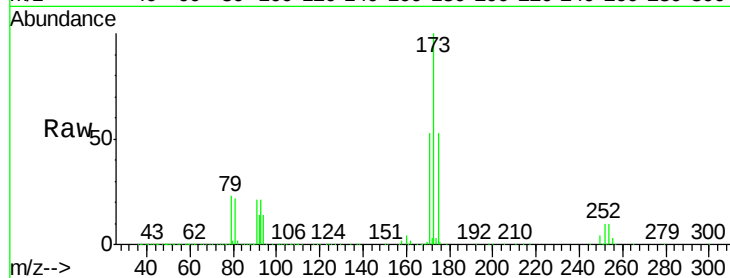
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.6	24.2	72.6
254	0.1	0.2	0.2

Manual Integrations
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2/11/2019 12:27:48 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

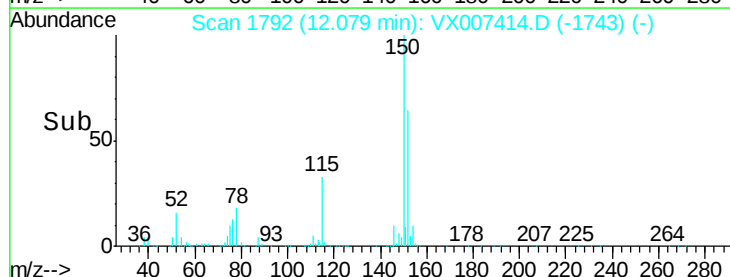
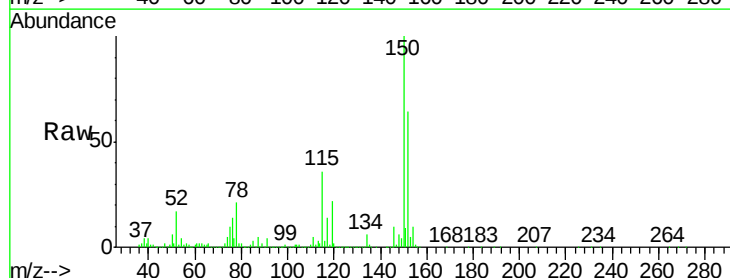
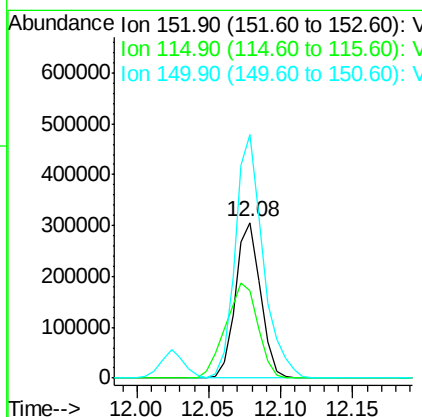
RT: 12.08 min Scan# 1792

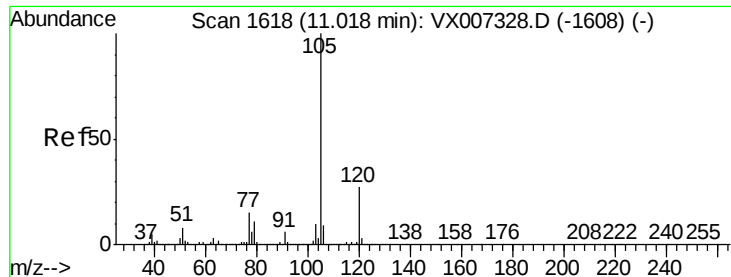
Delta R.T. 0.00 min

Lab File: VX007414.D

Acq: 07 Feb 2019 10:00

Tgt Ion	Ratio	Lower	Upper
152	100		
115	79.5	38.0	114.0
150	172.9	0.0	346.4





#73

Isopropylbenzene

Concen: 50.308 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX007414.D

Acq: 07 Feb 2019 10:00

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion:105 Resp: 1270400

Ion Ratio Lower Upper

105 100

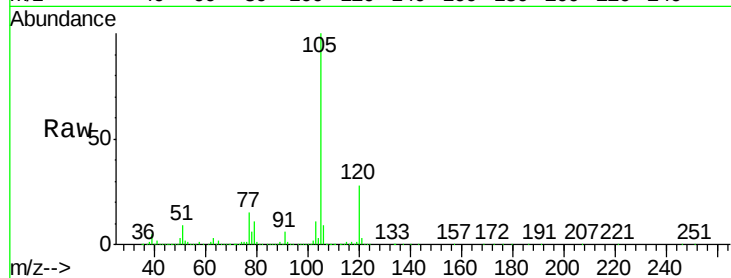
120 28.1 13.6 40.7

Manual Integrations

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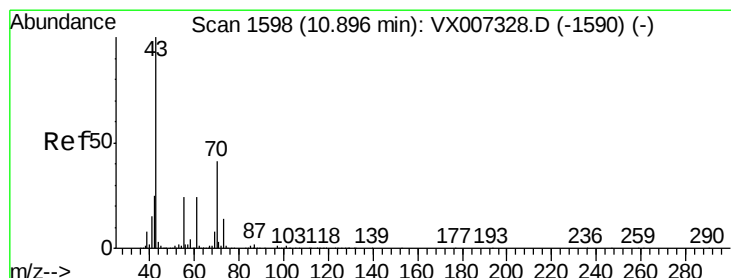
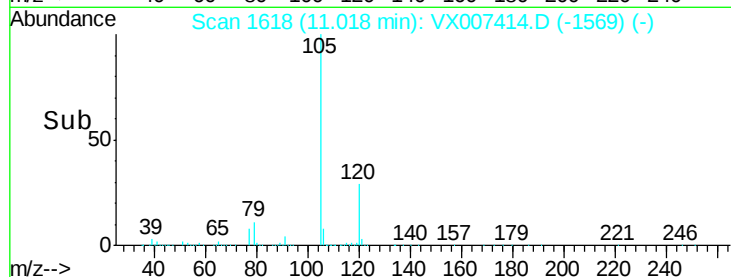
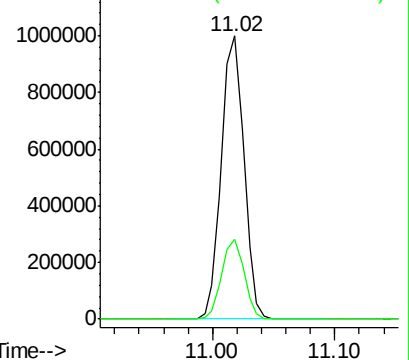
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 49.601 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX007414.D

Acq: 07 Feb 2019 10:00

Tgt Ion: 43 Resp: 484467

Ion Ratio Lower Upper

43 100

70 43.4 33.8 50.6

55 24.6 19.5 29.3

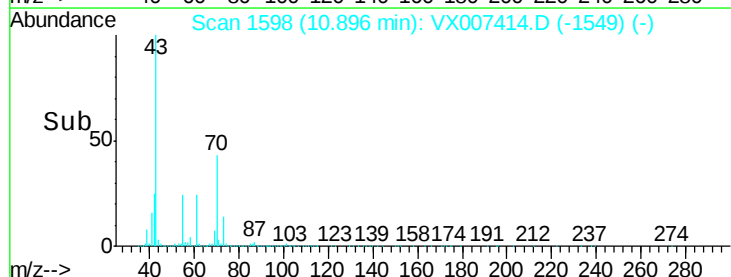
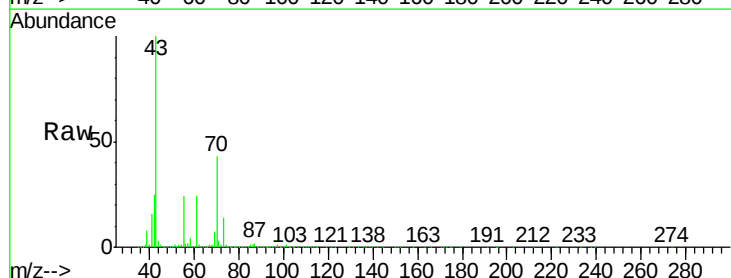
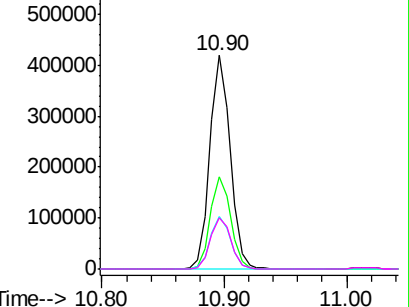
61 24.3 19.4 29.2

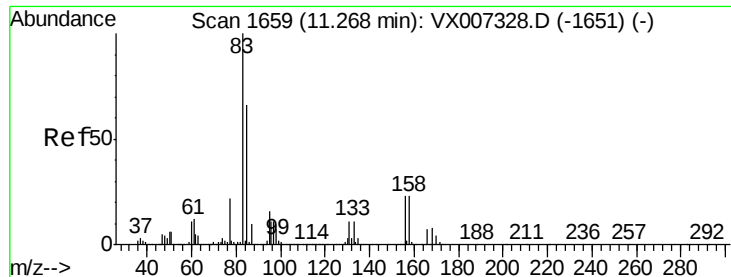
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 49.381 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX007414.D

Acq: 07 Feb 2019 10:00

Instrument :

MSVOA_X

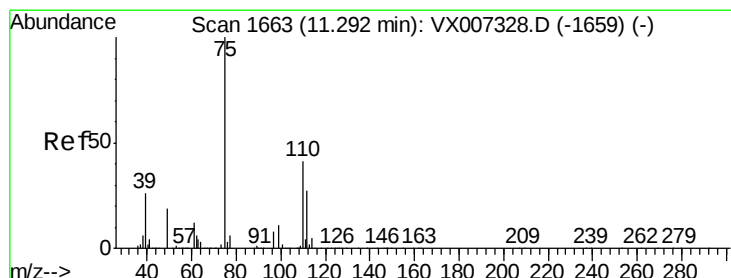
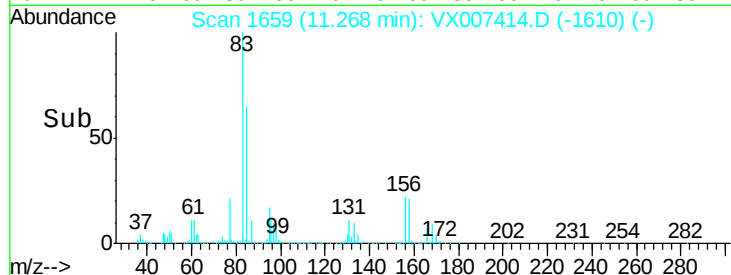
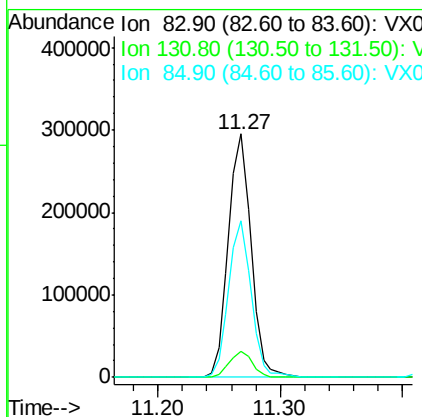
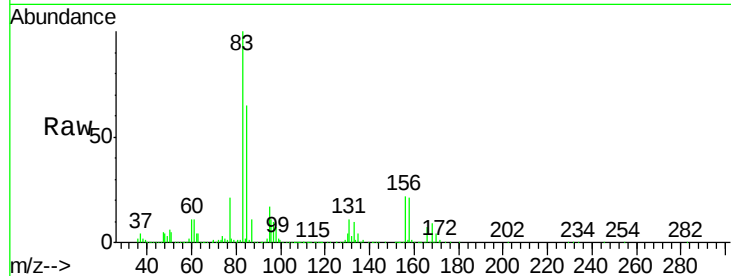
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	380036
Ion Ratio		Lower	Upper
83	100		
131	10.9	5.7	17.0
85	64.1	32.8	98.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 51.000 ug/l m

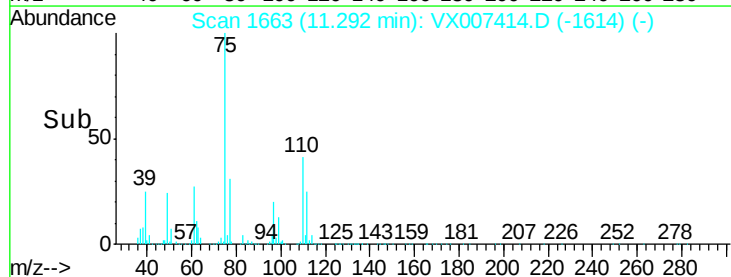
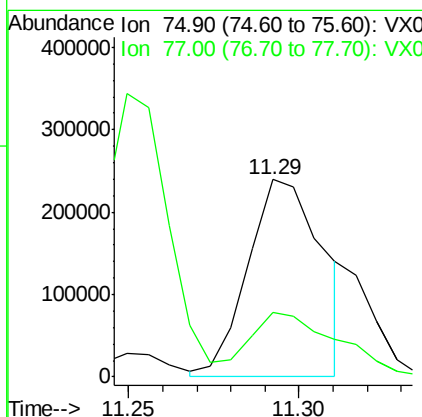
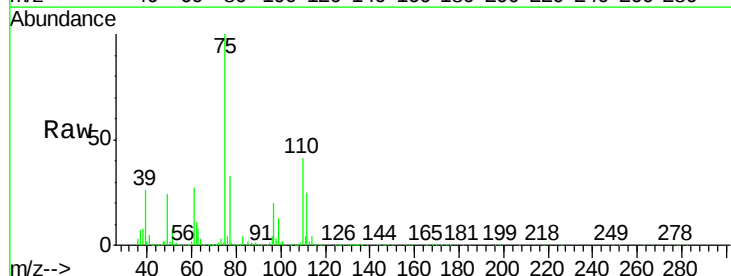
RT: 11.29 min Scan# 1663

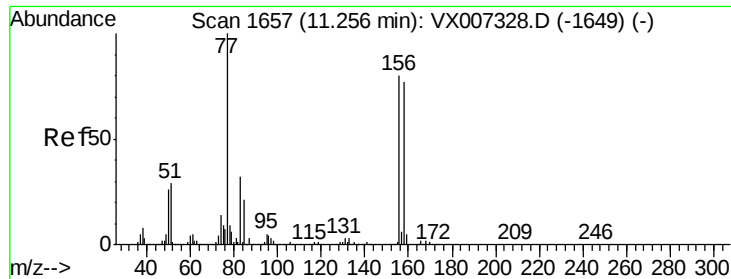
Delta R.T. 0.00 min

Lab File: VX007414.D

Acq: 07 Feb 2019 10:00

Tgt Ion:	75	Resp:	368635
Ion Ratio		Lower	Upper
75	100		
77	38.7	23.0	69.0





#77

Bromobenzene

Concen: 48.177 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX007414.D

Acq: 07 Feb 2019 10:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 342780

Ion Ratio Lower Upper

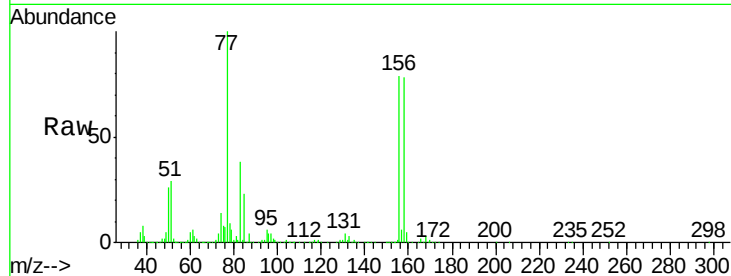
156 100

77 132.7 66.8 200.6

158 97.9 47.9 143.8

Manual Integrations
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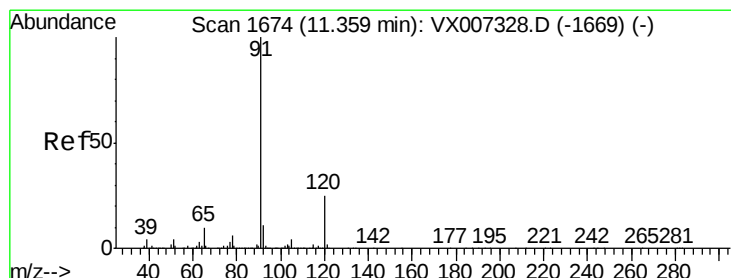
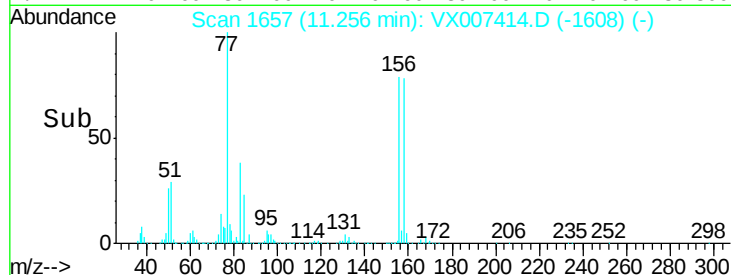
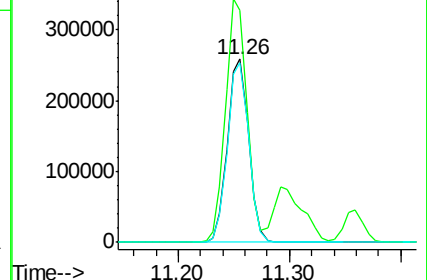
MMDadoda
2/11/2019 12:27:48 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.532 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX007414.D

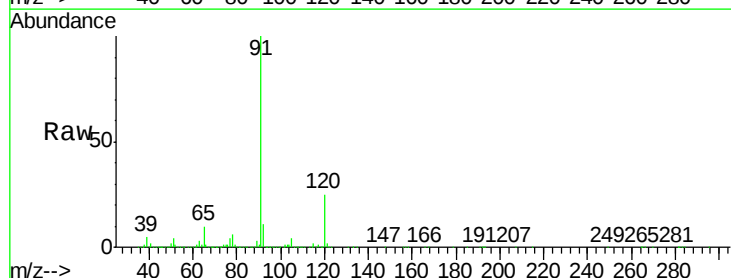
Acq: 07 Feb 2019 10:00

Tgt Ion: 91 Resp: 1454659

Ion Ratio Lower Upper

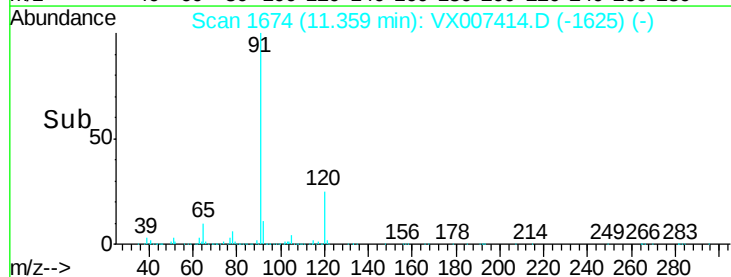
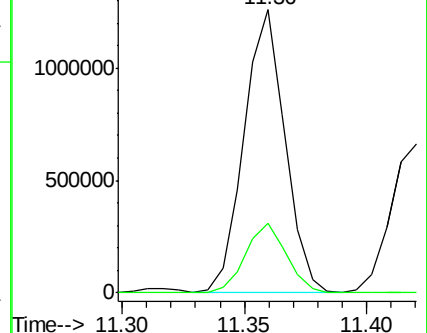
91 100

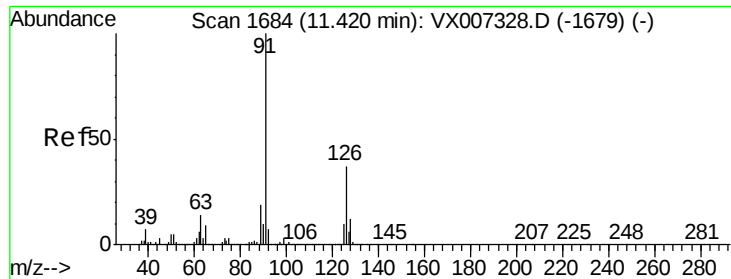
120 24.7 12.4 37.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.756 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX007414.D

Acq: 07 Feb 2019 10:00

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 836011

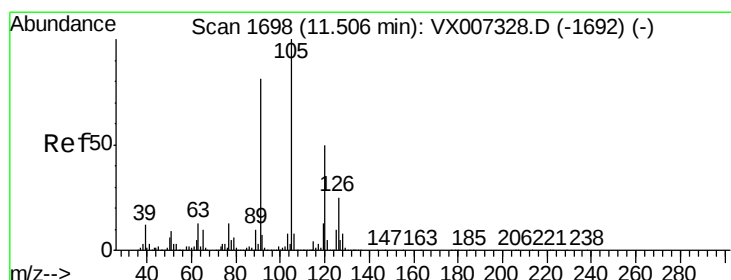
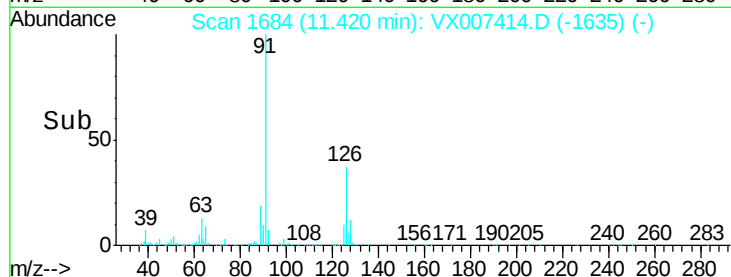
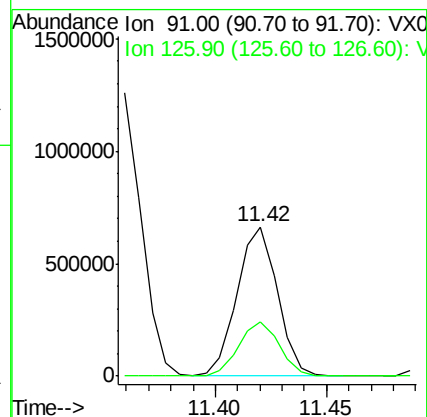
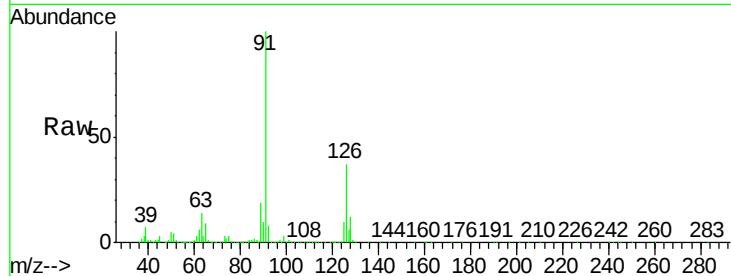
Ion Ratio Lower Upper

91 100

126 36.9 18.7 56.1

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 50.952 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX007414.D

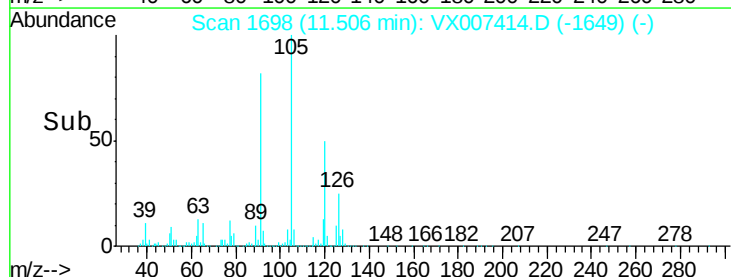
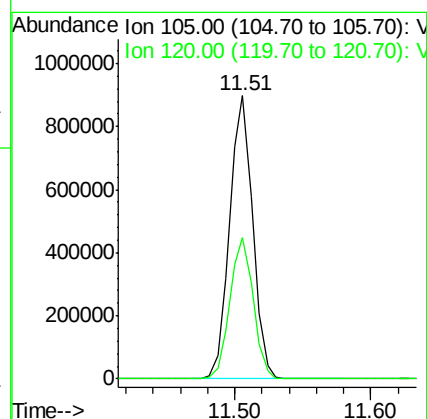
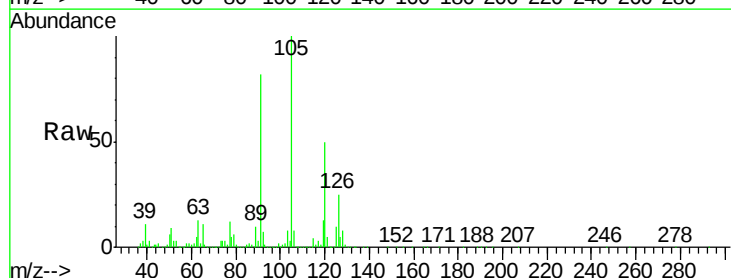
Acq: 07 Feb 2019 10:00

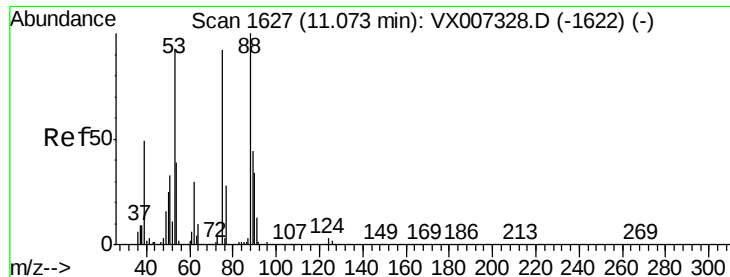
Tgt Ion: 105 Resp: 1052649

Ion Ratio Lower Upper

105 100

120 50.4 25.3 75.8





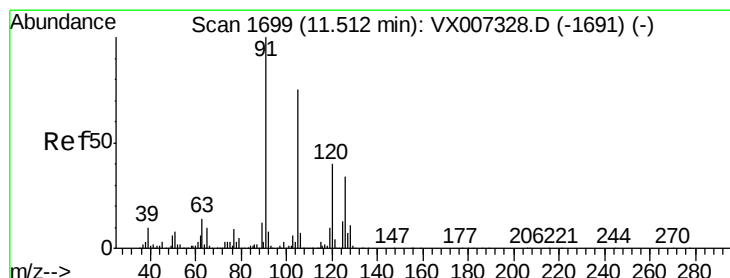
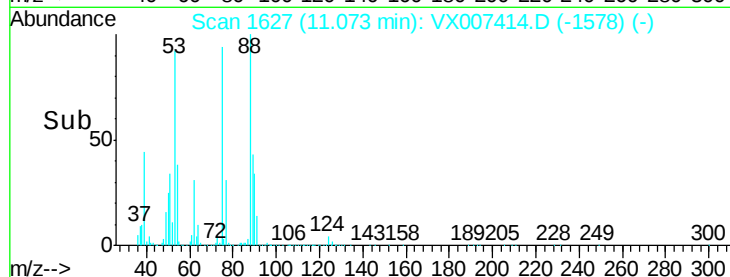
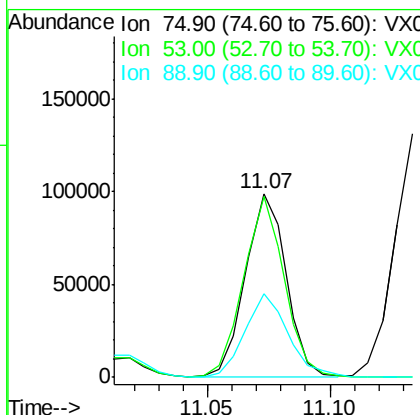
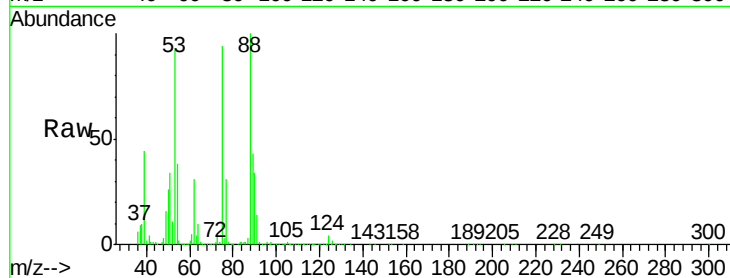
#81
trans-1,4-Dichloro-2-butene
Concen: 49.487 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX007414.D
Acq: 07 Feb 2019 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	97.1	81.0	121.6
89	48.7	41.4	62.0

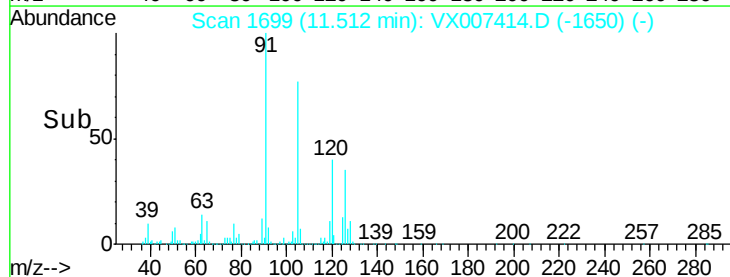
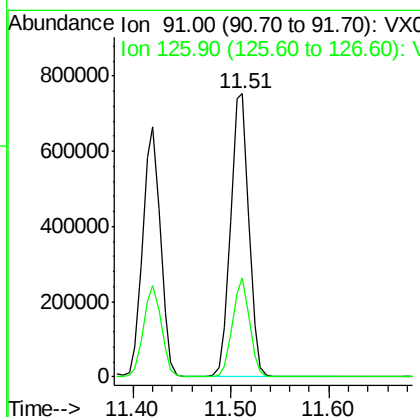
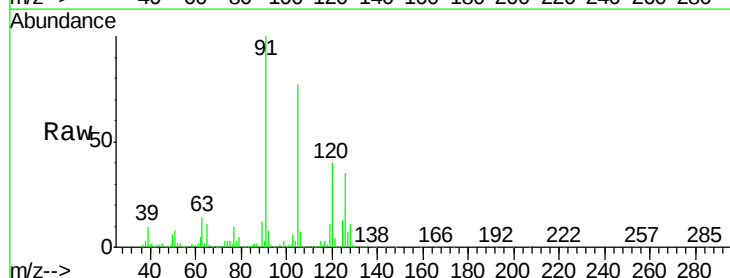
Manual Integrations
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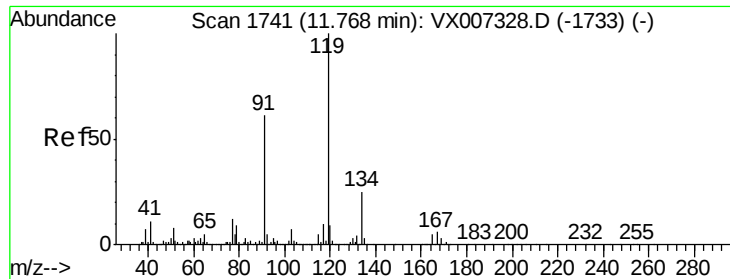
MMDadoda
2/11/2019 12:27:48 PM



#82
4-Chlorotoluene
Concen: 50.200 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.00 min
Lab File: VX007414.D
Acq: 07 Feb 2019 10:00

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.2	48.5





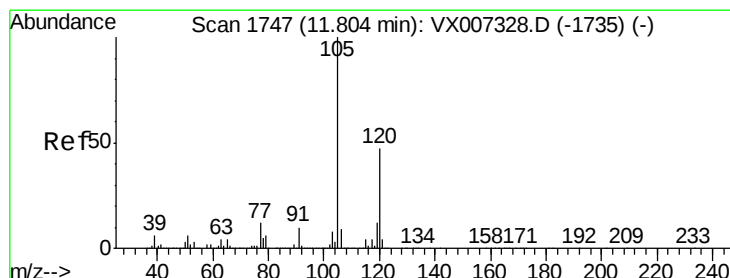
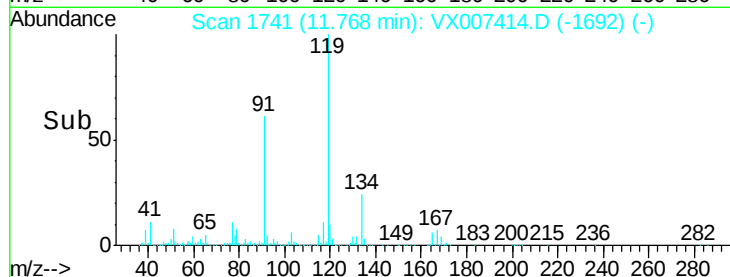
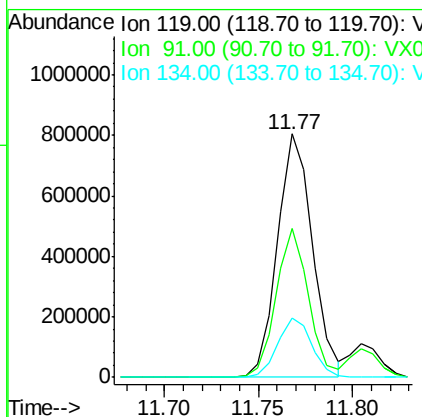
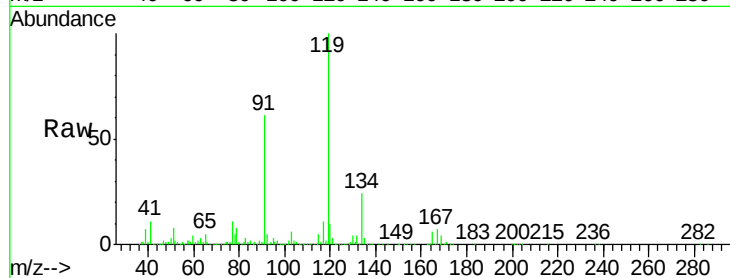
#83
tert-Butylbenzene
Concen: 50.602 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX007414.D
Acq: 07 Feb 2019 10:00

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	56.6	28.5	85.6
134	23.9	12.0	36.0

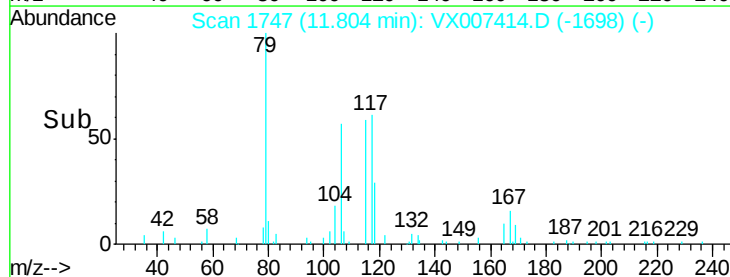
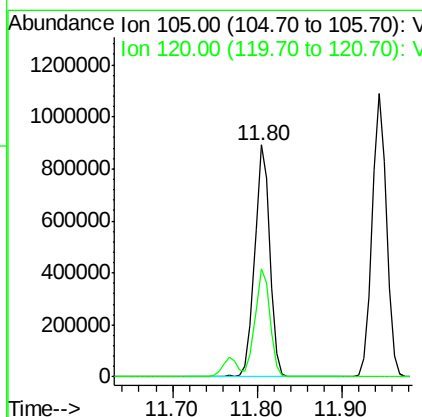
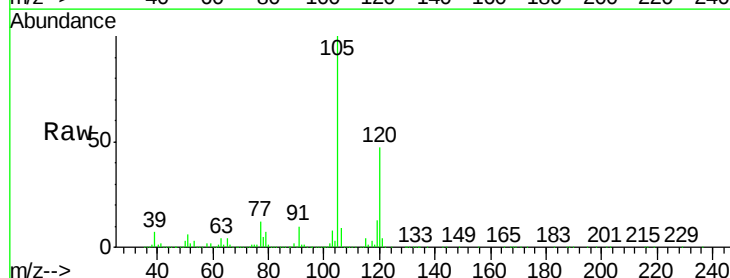
Manual Integrations
APPROVED

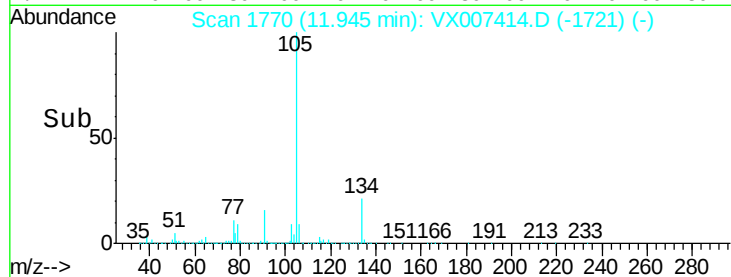
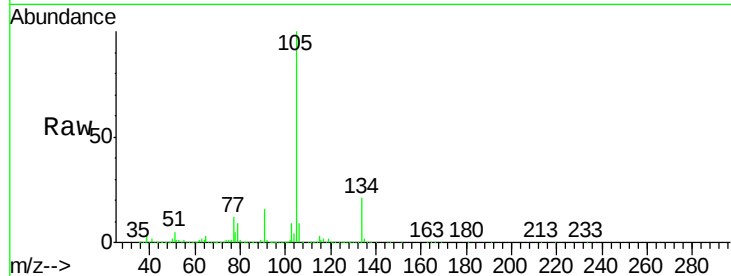
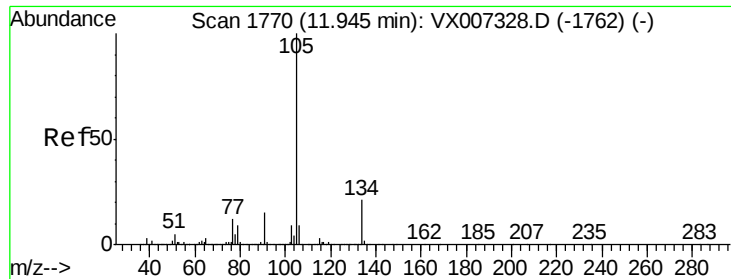
MMDadoda
2/11/2019 12:27:48 PM



#84
1,2,4-Trimethylbenzene
Concen: 51.248 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX007414.D
Acq: 07 Feb 2019 10:00

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.7	23.1	69.3





#85

sec-Butylbenzene

Concen: 52.297 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX007414.D

Acq: 07 Feb 2019 10:00

Tot Ion:105 Resp: 1294663

Ion Ratio Lower Upper

105 100

134 21.2 10.6 31.8

Instrument :

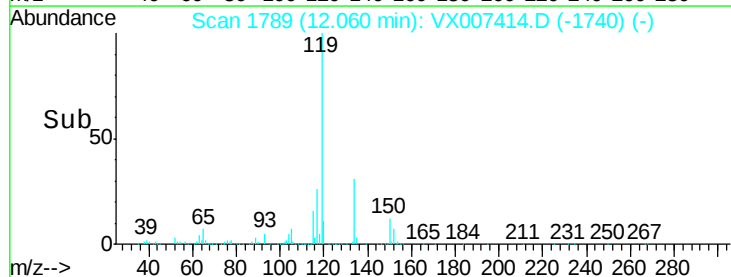
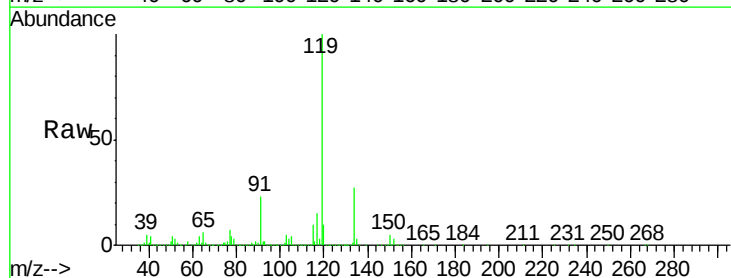
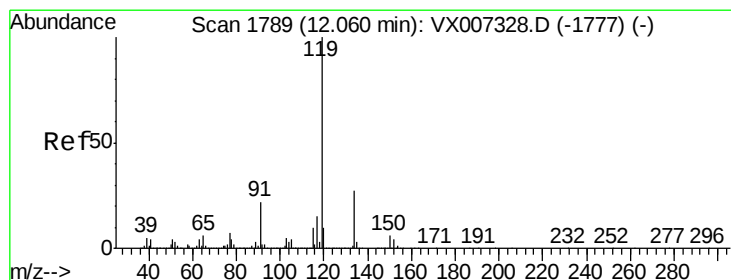
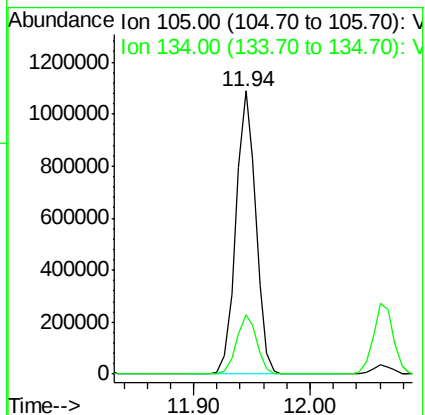
MSVOA_X

ClientSampleId :

VSTDCCC050

Manual Integrations
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2/11/2019 12:27:48 PM



#86

p-Isopropyltoluene

Concen: 52.300 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX007414.D

Acq: 07 Feb 2019 10:00

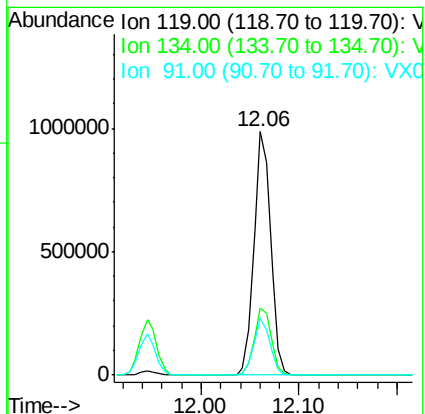
Tgt Ion:119 Resp: 1168760

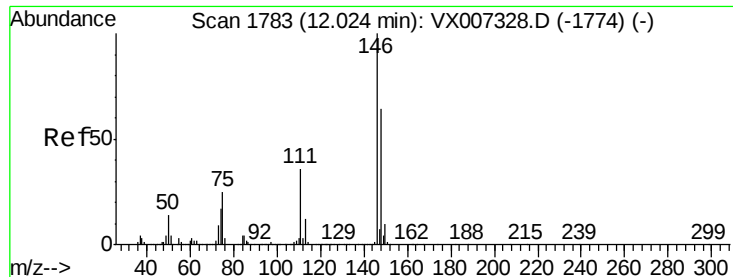
Ion Ratio Lower Upper

119 100

134 27.8 13.7 41.1

91 22.6 11.2 33.5





#87

1,3-Dichlorobenzene

Concen: 48.515 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VX007414.D

Acq: 07 Feb 2019 10:00

Instrument :

MSVOA_X

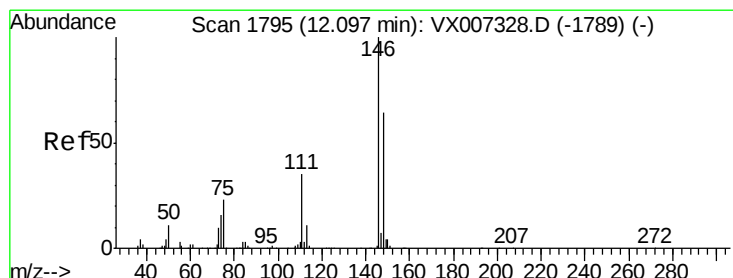
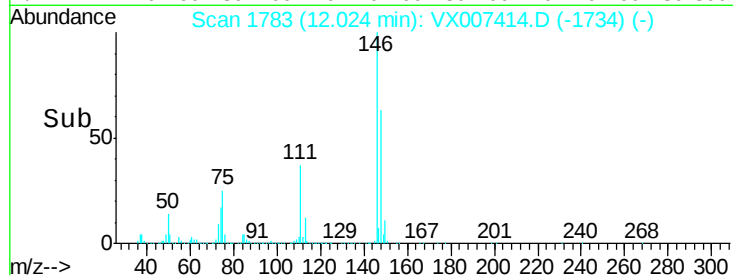
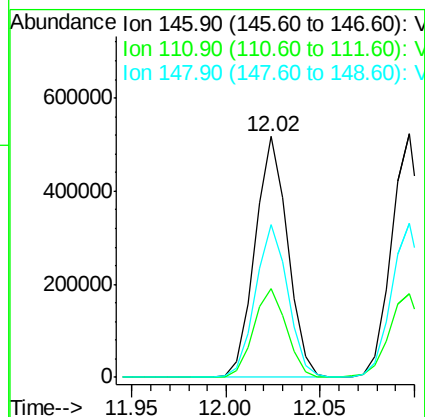
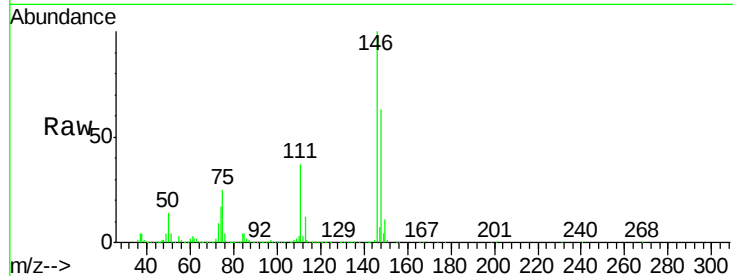
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	619490
Ion Ratio	Lower	Upper	
146	100		
111	37.1	18.1	54.1
148	63.3	32.0	96.2

Manual Integrations
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2/11/2019 12:27:48 PM



#88

1,4-Dichlorobenzene

Concen: 47.879 ug/l

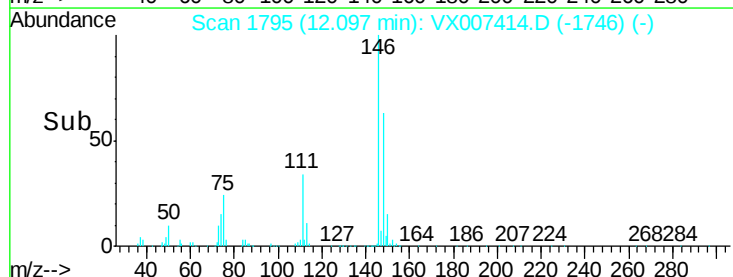
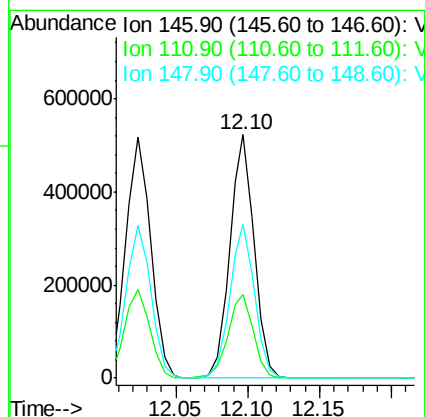
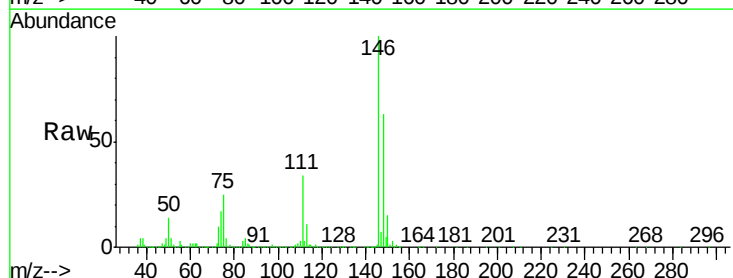
RT: 12.10 min Scan# 1795

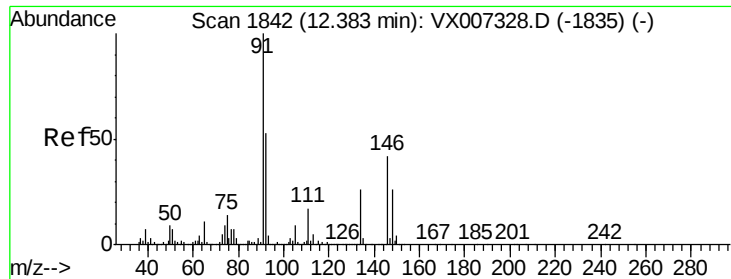
Delta R.T. 0.00 min

Lab File: VX007414.D

Acq: 07 Feb 2019 10:00

Tgt Ion:	146	Resp:	620255
Ion Ratio	Lower	Upper	
146	100		
111	36.0	18.1	54.1
148	63.7	32.3	96.9





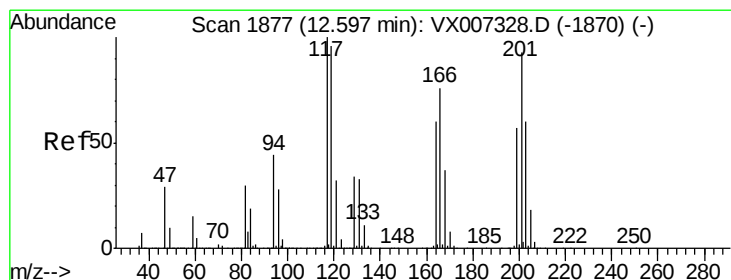
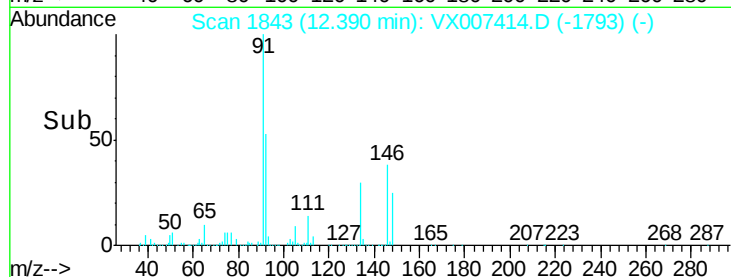
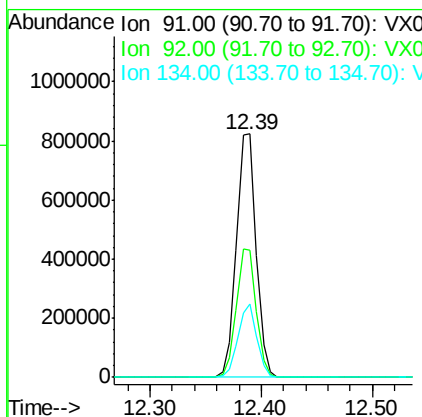
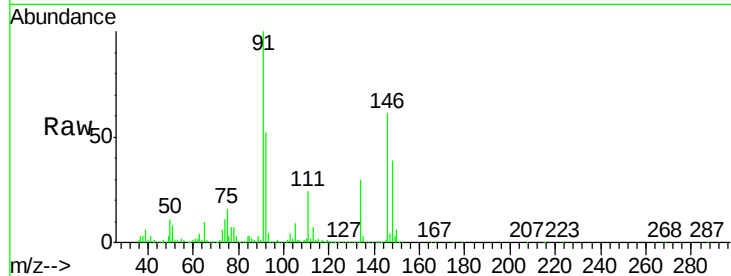
#89
n-Butylbenzene
Concen: 52.538 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.01 min
Lab File: VX007414.D
Acq: 07 Feb 2019 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1009999
Ion Ratio Lower Upper
91 100
92 52.8 26.3 78.9
134 28.6 13.9 41.6

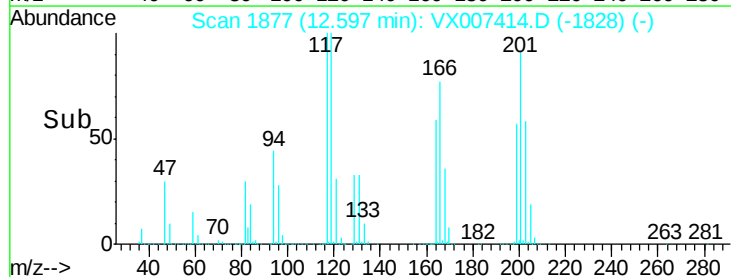
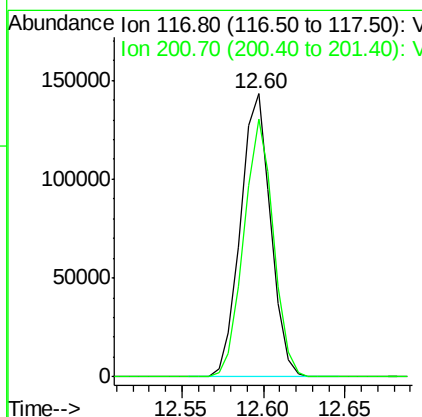
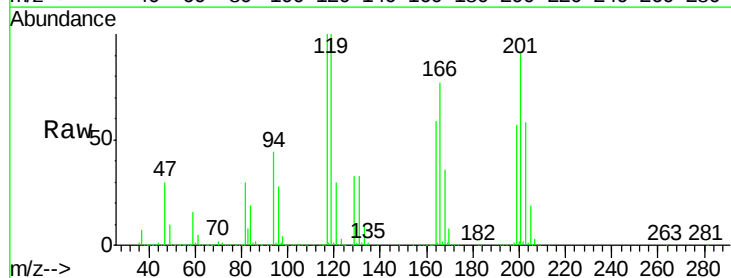
Manual Integrations
APPROVED

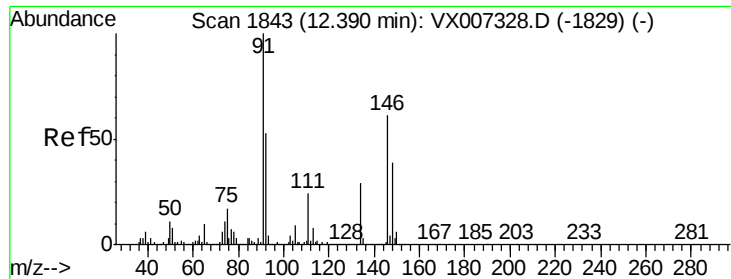
MMDadoda
2/11/2019 12:27:48 PM



#90
Hexachloroethane
Concen: 55.250 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX007414.D
Acq: 07 Feb 2019 10:00

Tgt Ion: 117 Resp: 184786
Ion Ratio Lower Upper
117 100
201 89.3 44.9 134.7





#91

1,2-Dichlorobenzene

Concen: 47.624 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX007414.D

Acq: 07 Feb 2019 10:00

Instrument :

MSVOA_X

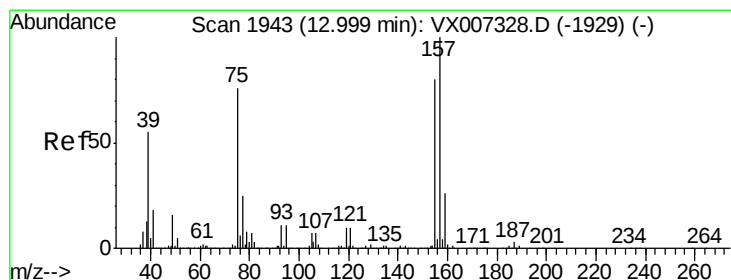
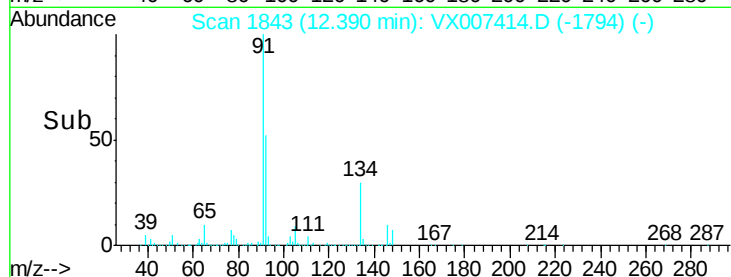
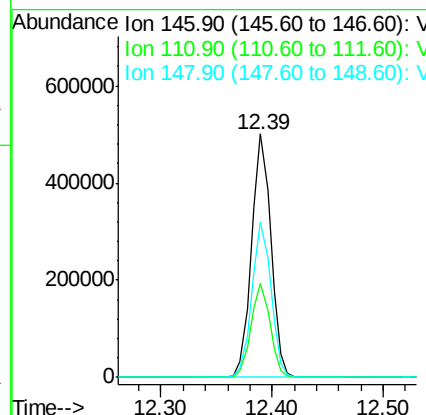
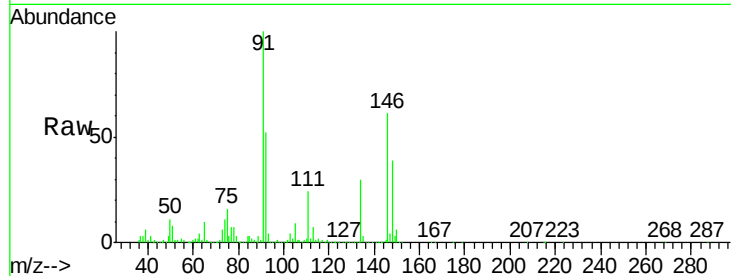
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	605185
Ion Ratio	Lower	Upper	
146	100		
111	38.3	19.1	57.3
148	63.4	32.1	96.3

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 51.056 ug/l

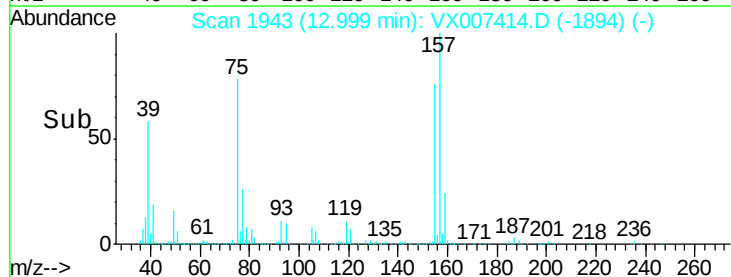
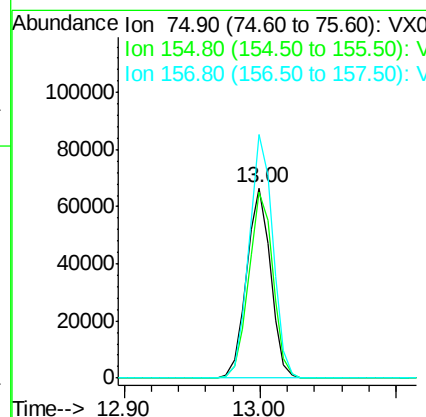
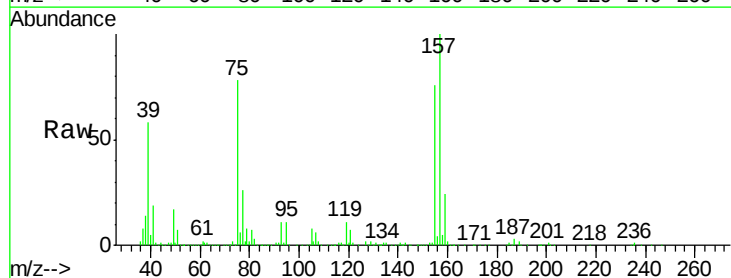
RT: 13.00 min Scan# 1943

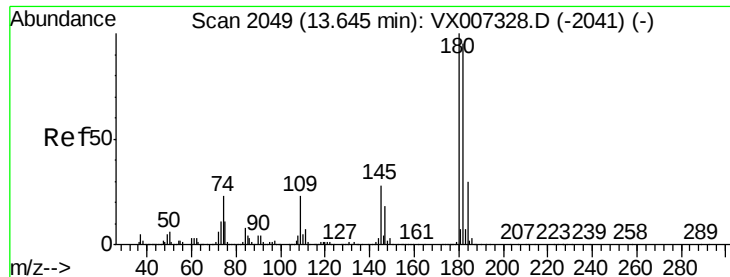
Delta R.T. 0.00 min

Lab File: VX007414.D

Acq: 07 Feb 2019 10:00

Tgt Ion:	75	Resp:	81701
Ion Ratio	Lower	Upper	
75	100		
155	99.4	49.6	149.0
157	128.2	65.1	195.3





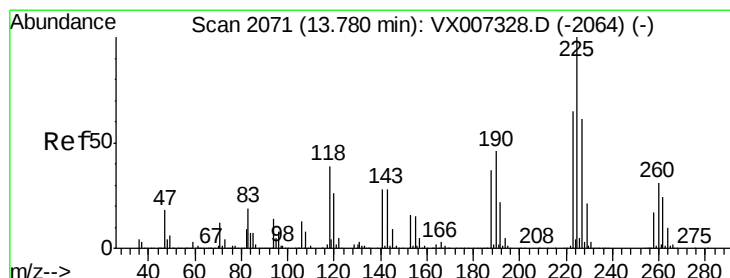
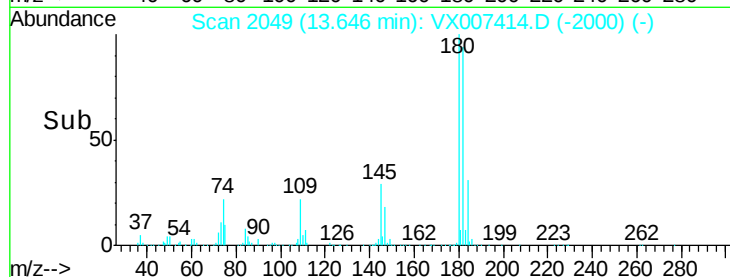
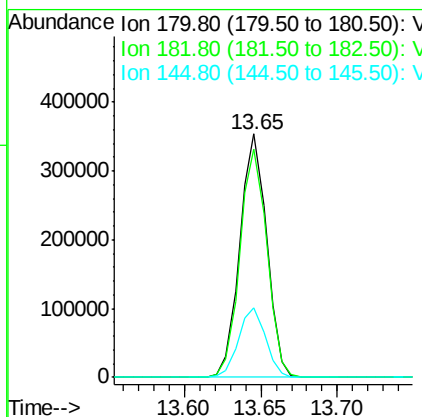
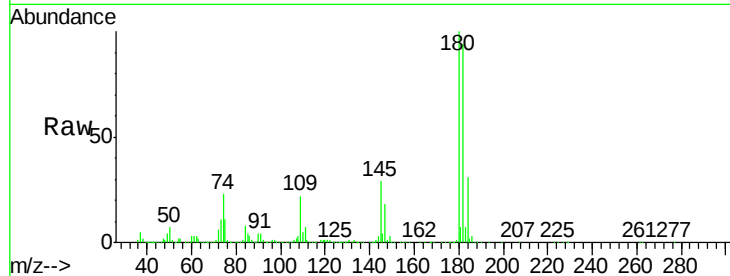
#93
 1,2,4-Trichlorobenzene
 Concen: 50.184 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX007414.D
 Acq: 07 Feb 2019 10:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	430069		
182	94.5	47.8	143.3	
145	28.9	14.1	42.2	

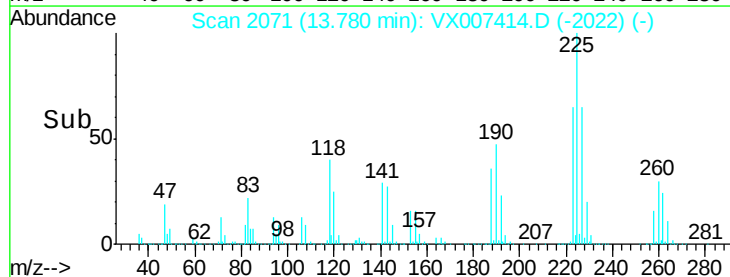
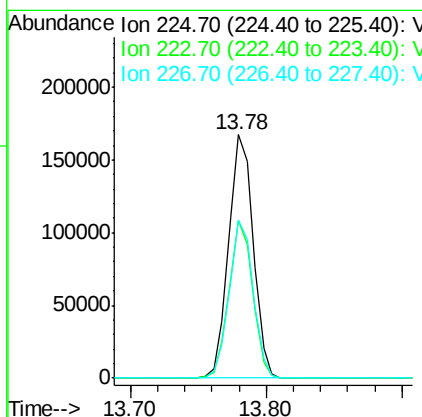
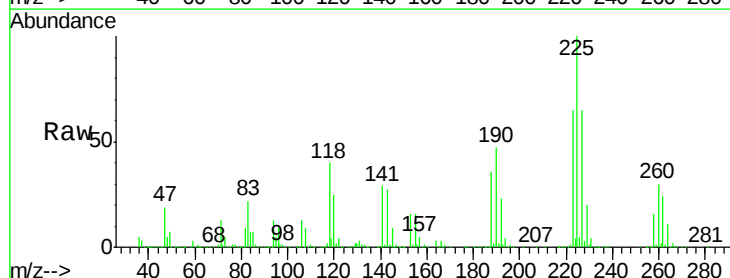
Manual Integrations
 APPROVED

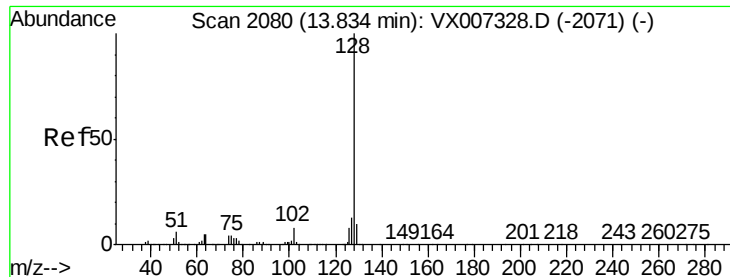
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 2/11/2019 12:27:48 PM



#94
 Hexachlorobutadiene
 Concen: 50.302 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX007414.D
 Acq: 07 Feb 2019 10:00

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	209323		
223	62.7	31.6	94.8	
227	63.5	32.1	96.3	





#95

Naphthalene

Concen: 51.019 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX007414.D

Acq: 07 Feb 2019 10:00

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion:128 Resp: 1278583

Ion Ratio Lower Upper

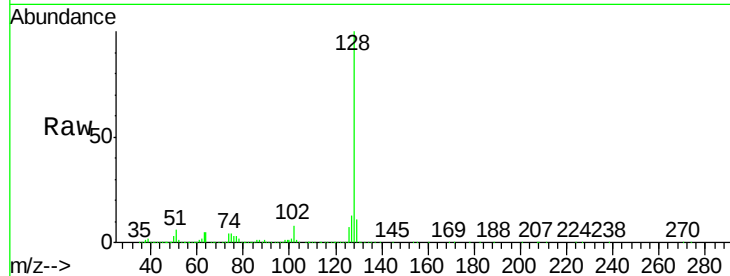
128 100

127 13.0 10.5 15.7

129 11.1 8.7 13.1

Manual Integrations
APPROVED

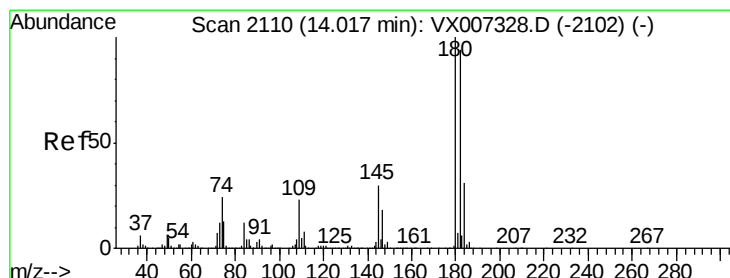
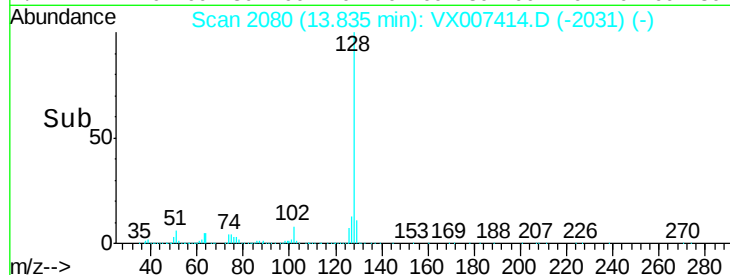
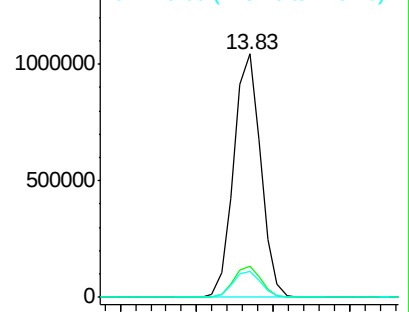
MMDadoda
2/11/2019 12:27:48 PM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 49.118 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX007414.D

Acq: 07 Feb 2019 10:00

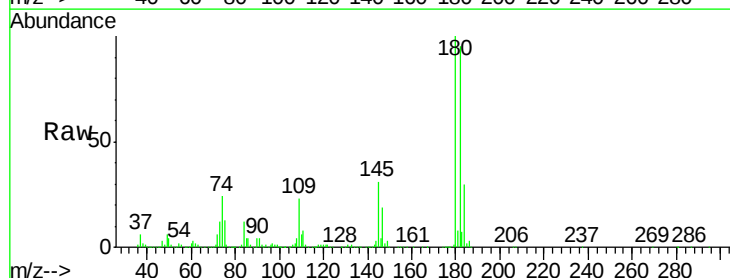
Tgt Ion:180 Resp: 423714

Ion Ratio Lower Upper

180 100

182 95.4 47.5 142.6

145 30.3 14.9 44.5



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

