

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX021919\
 Data File : VX007619.D
 Acq On : 19 Feb 2019 17:50
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/20/2019 10:35:14 AM

Quant Time: Feb 20 04:55:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 02 01:32:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	483251	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	701482	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	642833	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	355745	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	250338	48.81	ug/l	0.00
Spiked Amount			Recovery	=	97.62%	
35) Dibromofluoromethane	5.50	113	236173	51.74	ug/l	0.00
Spiked Amount			Recovery	=	103.48%	
50) Toluene-d8	8.71	98	843799	49.83	ug/l	0.00
Spiked Amount			Recovery	=	99.66%	
62) 4-Bromofluorobenzene	11.13	95	303654	49.11	ug/l	0.00
Spiked Amount			Recovery	=	98.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	239366	40.343	ug/l	96
3) Chloromethane	1.33	50	238887	43.888	ug/l	100
4) Vinyl Chloride	1.41	62	245888	46.047	ug/l	99
5) Bromomethane	1.64	94	213504	40.342	ug/l	97
6) Chloroethane	1.71	64	169569	49.089	ug/l	99
7) Trichlorofluoromethane	1.93	101	417602	49.992	ug/l	99
8) Diethyl Ether	2.19	74	156218	49.686	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.39	101	212130	42.692	ug/l	100
10) Methyl Iodide	2.51	142	277768	38.001	ug/l	100
11) Tert butyl alcohol	3.08	59	262808	247.578	ug/l	98
12) 1,1-Dichloroethene	2.37	96	195323	42.332	ug/l	97
13) Acrolein	2.29	56	127970	257.085	ug/l	88
14) Allyl chloride	2.73	41	362726	48.247	ug/l	99
15) Acrylonitrile	3.15	53	625655	238.257	ug/l	99
16) Acetone	2.45	43	537277	228.667	ug/l	99
17) Carbon Disulfide	2.57	76	460050	38.633	ug/l	99
18) Methyl Acetate	2.78	43	352152	57.434	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	695825	46.549	ug/l	98
20) Methylene Chloride	2.85	84	222732	46.381	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	203071	41.315	ug/l	96
22) Diisopropyl ether	3.87	45	653445	47.252	ug/l	96
23) Vinyl Acetate	3.82	43	2716866	236.752	ug/l	99
24) 1,1-Dichloroethane	3.70	63	365962	46.081	ug/l	99
25) 2-Butanone	4.70	43	827478	247.468	ug/l	98
26) 2,2-Dichloropropane	4.59	77	283060	46.802	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	243364	45.331	ug/l	98
28) Bromochloromethane	5.02	49	162281	44.435	ug/l	97
29) Tetrahydrofuran	5.15	42	532398	253.161	ug/l	99
30) Chloroform	5.21	83	387819	46.798	ug/l	97
31) Cyclohexane	5.57	56	297173	41.664	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	334430	47.809	ug/l	99
36) 1,1-Dichloropropene	5.80	75	272028	43.220	ug/l	99
37) Ethyl Acetate	4.85	43	303973	47.776	ug/l	98
38) Carbon Tetrachloride	5.78	117	291248	47.698	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	327734	43.038	ug/l	99
40) Benzene	6.14	78	839700	45.291	ug/l	98
41) Methacrylonitrile	5.06	41	170597	50.029	ug/l	99
42) 1,2-Dichloroethane	6.20	62	288517	44.977	ug/l	99
43) Isopropyl Acetate	6.46	43	500423	50.957	ug/l	99
44) Trichloroethene	7.21	130	248685	44.536	ug/l	97
45) 1,2-Dichloropropane	7.51	63	222587	47.917	ug/l	97
46) Dibromomethane	7.66	93	154558	45.778	ug/l	98
47) Bromodichloromethane	7.90	83	282508	49.373	ug/l	99
48) Methyl methacrylate	7.77	41	252074	51.316	ug/l	98
49) 1,4-Dioxane	7.75	88	113125	1012.563	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	1644137	254.318	ug/l	99
52) Toluene	8.79	92	556073	46.487	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	313887	51.070	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	336328	49.760	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	237590	47.649	ug/l	96
56) Ethyl methacrylate	9.18	69	347477	50.315	ug/l	97
57) 1,3-Dichloropropane	9.37	76	373817	47.142	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	941148	258.555	ug/l	98
59) 2-Hexanone	9.49	43	1223332	243.171	ug/l	99
60) Dibromochloromethane	9.58	129	258860	54.892	ug/l	99
61) 1,2-Dibromoethane	9.67	107	250611	47.460	ug/l	99
64) Tetrachloroethene	9.34	164	252846	41.732	ug/l	99
65) Chlorobenzene	10.14	112	630636	44.956	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	242334	51.526	ug/l	99
67) Ethyl Benzene	10.25	91	1071880	47.449	ug/l	98
68) m/p-Xylenes	10.36	106	841143	93.670	ug/l	100
69) o-Xylene	10.69	106	410702	47.530	ug/l	100
70) Styrene	10.71	104	650809	46.441	ug/l	100
71) Bromoform	10.86	173	198419	48.255	ug/l #	99
73) Isopropylbenzene	11.02	105	1076225	44.519	ug/l	99
74) N-amyl acetate	10.90	43	440451	47.104	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	342975	46.552	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	288053m	41.628	ug/l	
77) Bromobenzene	11.26	156	294082	43.175	ug/l	99
78) n-propylbenzene	11.36	91	1304833	49.222	ug/l	99
79) 2-Chlorotoluene	11.42	91	773651	48.097	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	974106	49.252	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	102810	46.268	ug/l	93
82) 4-Chlorotoluene	11.51	91	900135	48.362	ug/l	99
83) tert-Butylbenzene	11.77	119	951915	48.614	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	994949	49.551	ug/l	99
85) sec-Butylbenzene	11.94	105	1169981	49.367	ug/l	99
86) p-Isopropyltoluene	12.06	119	1058493	49.477	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	548614	44.880	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	560365	45.184	ug/l	99
89) n-Butylbenzene	12.39	91	907930	49.334	ug/l	99
90) Hexachloroethane	12.60	117	173586	54.215	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	553916	45.532	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	83036	54.204	ug/l	97

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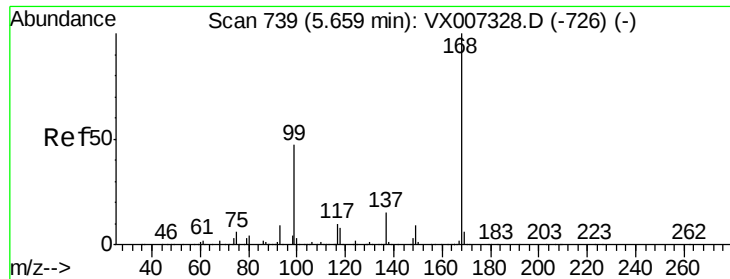
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	386750	47.141	ug/l	98
94) Hexachlorobutadiene	13.78	225	189213	47.496	ug/l	99
95) Naphthalene	13.83	128	1196874	49.887	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	385957	46.736	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX007619.D

Acq: 19 Feb 2019 17:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 483251

Ion Ratio Lower Upper

168 100

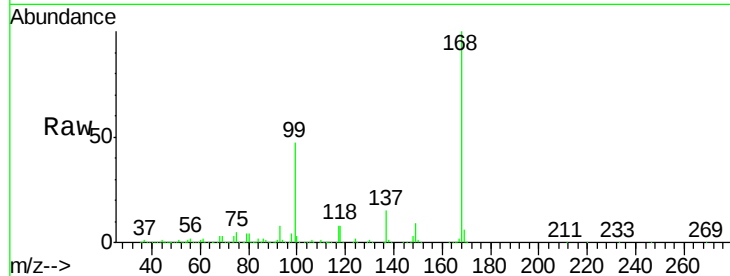
99 46.6 37.9 56.9

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

200000

150000

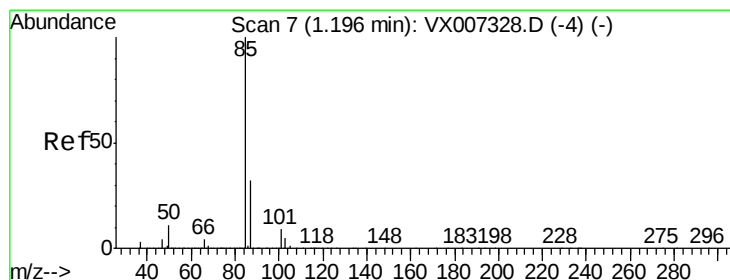
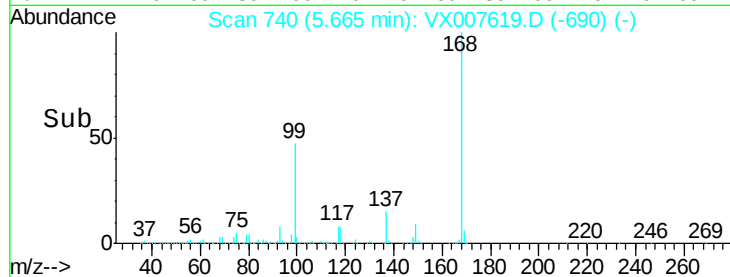
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50000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 40.343 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX007619.D

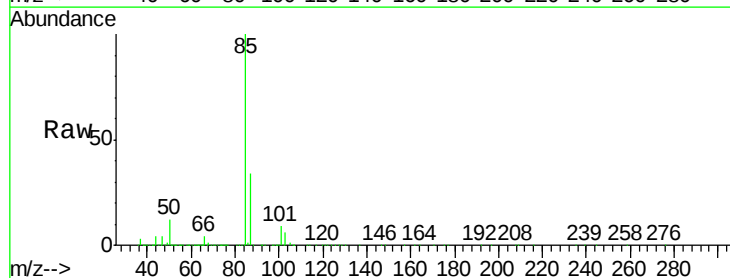
Acq: 19 Feb 2019 17:50

Tgt Ion: 85 Resp: 239366

Ion Ratio Lower Upper

85 100

87 33.7 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

250000

200000

150000

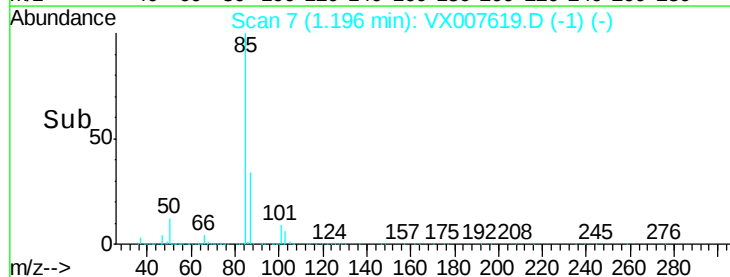
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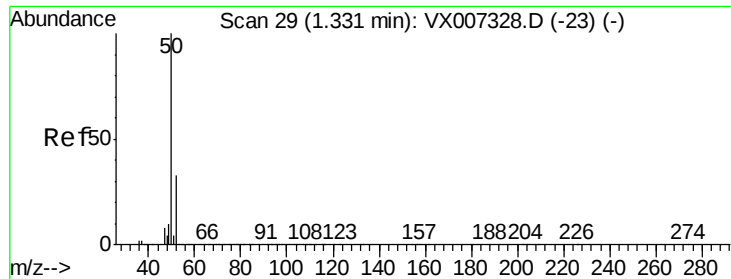
50000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 43.888 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX007619.D

Acq: 19 Feb 2019 17:50

Tot Ion: 50 Resp: 238887

Ion Ratio Lower Upper

50 100

52 32.5 26.1 39.1

Instrument :

MSVOA_X

ClientSampleId :

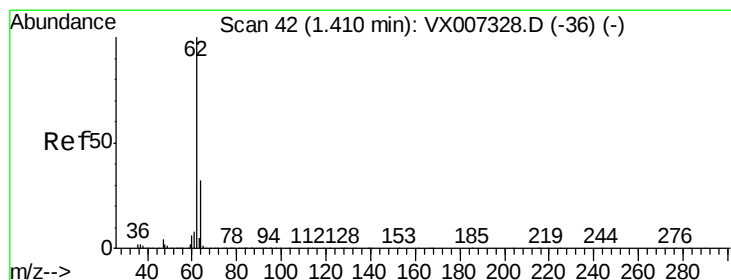
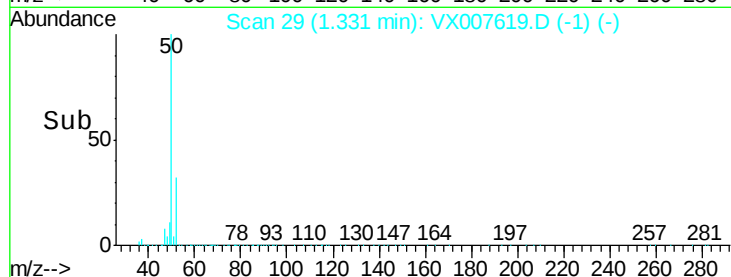
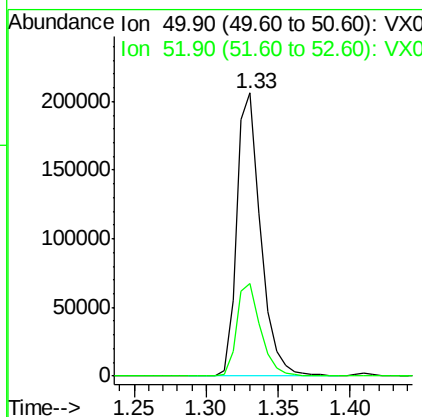
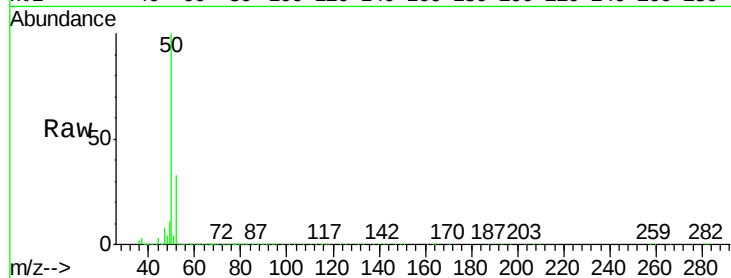
VSTDCCC050EC

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#4

Vinyl Chloride

Concen: 46.047 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX007619.D

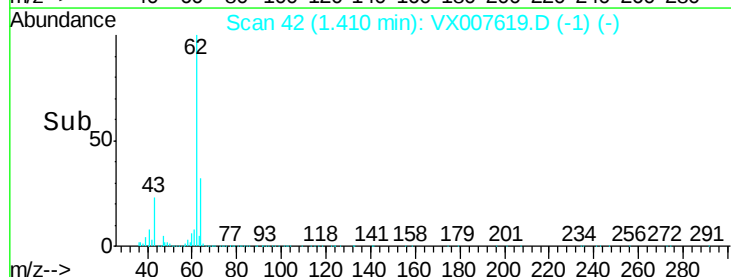
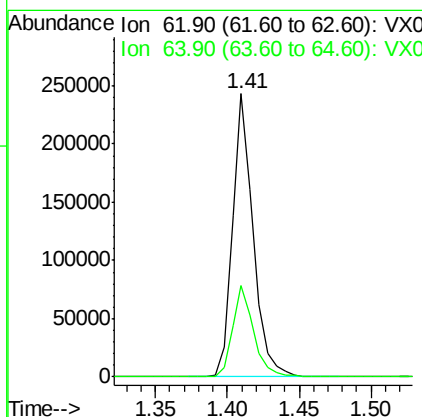
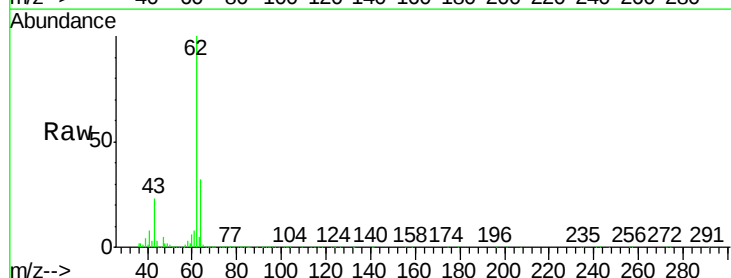
Acq: 19 Feb 2019 17:50

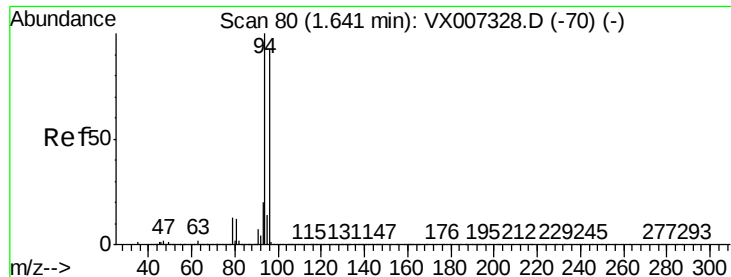
Tgt Ion: 62 Resp: 245888

Ion Ratio Lower Upper

62 100

64 32.3 25.4 38.0





#5

Bromomethane

Concen: 40.342 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX007619.D

Acq: 19 Feb 2019 17:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 213504

Ion Ratio Lower Upper

94 100

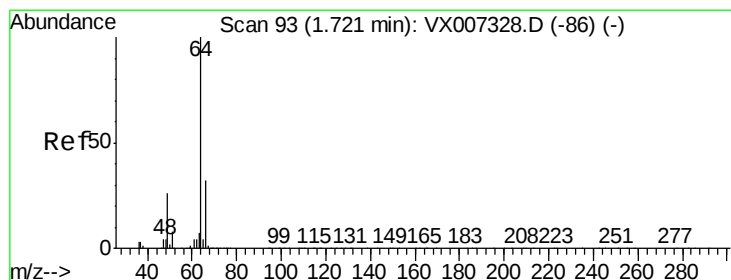
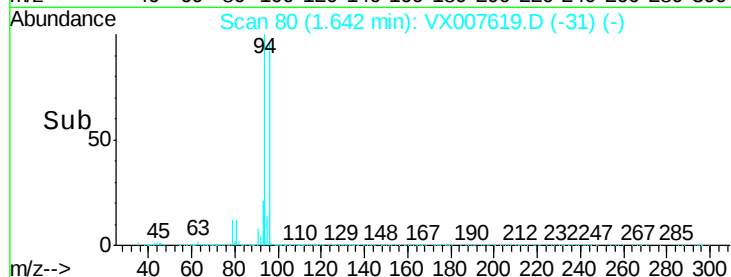
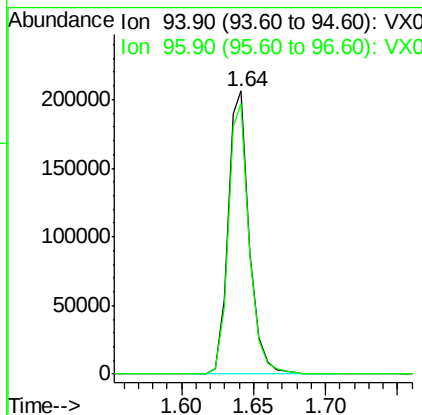
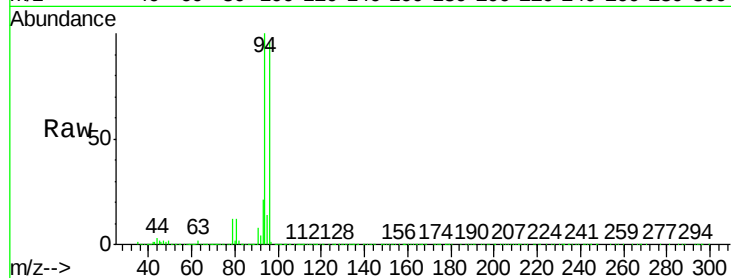
96 95.7 73.9 110.9

Manual Integrations

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#6

Chloroethane

Concen: 49.089 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.01 min

Lab File: VX007619.D

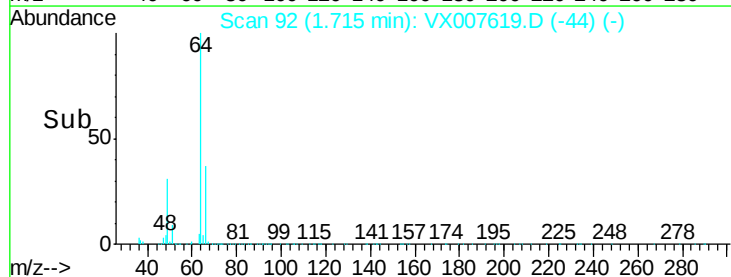
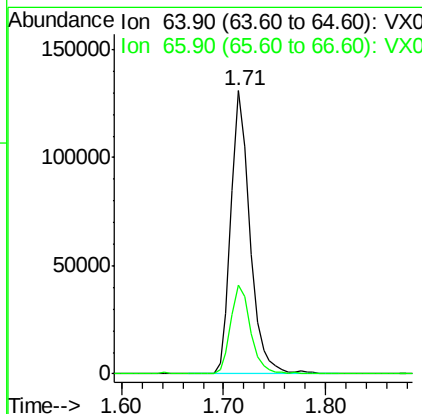
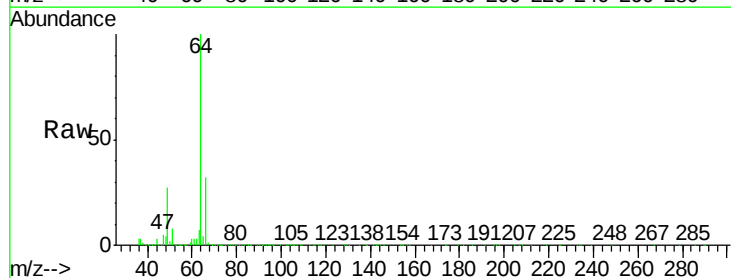
Acq: 19 Feb 2019 17:50

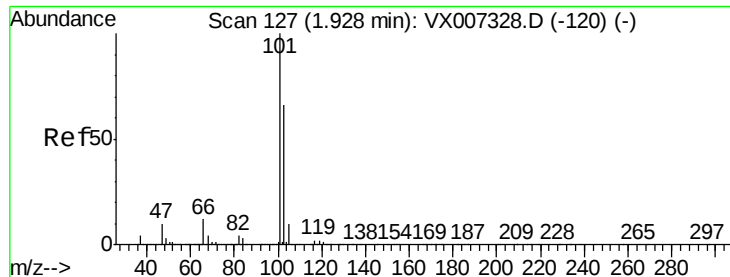
Tgt Ion: 64 Resp: 169569

Ion Ratio Lower Upper

64 100

66 31.3 25.5 38.3





#7

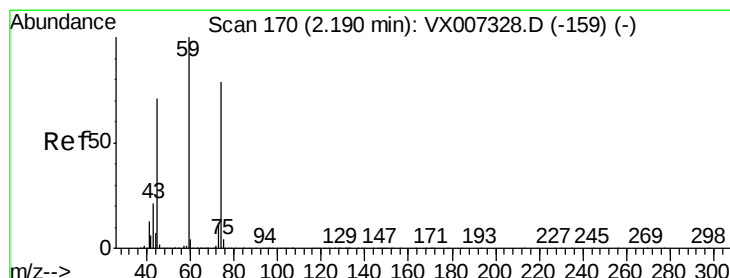
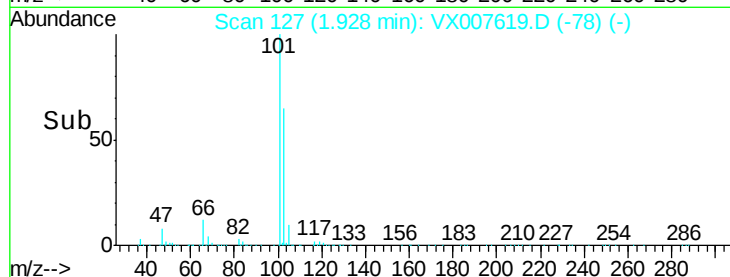
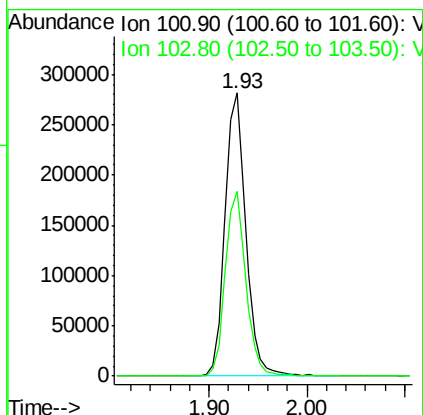
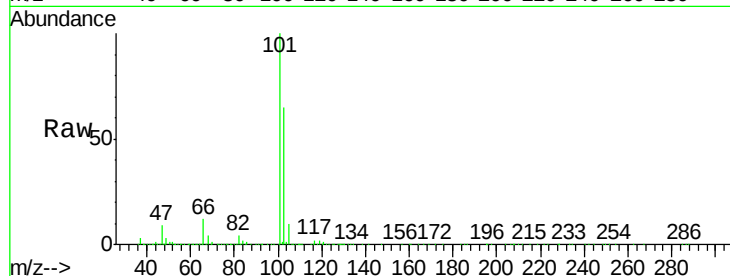
Trichlorofluoromethane
Concen: 49.992 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.00 min
Lab File: VX007619.D
Acq: 19 Feb 2019 17:50

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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.1	52.6	79.0

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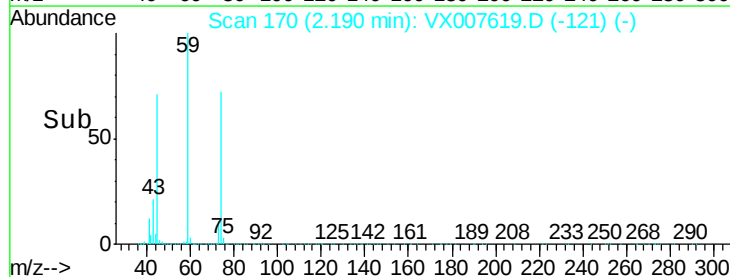
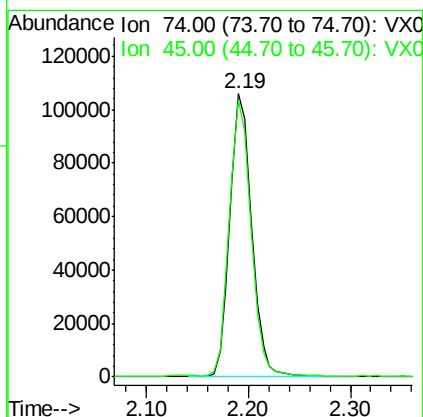
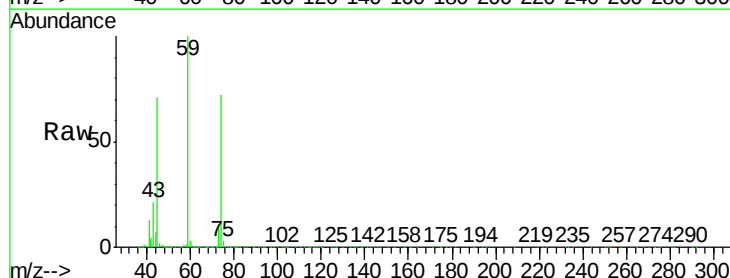
MMDadoda
2/20/2019 10:35:14 AM

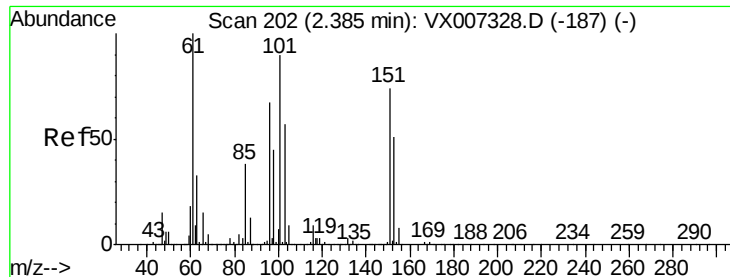


#8

Diethyl Ether
Concen: 49.686 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX007619.D
Acq: 19 Feb 2019 17:50

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.4	45.7	137.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 42.692 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX007619.D

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Instrument :

MSVOA_X

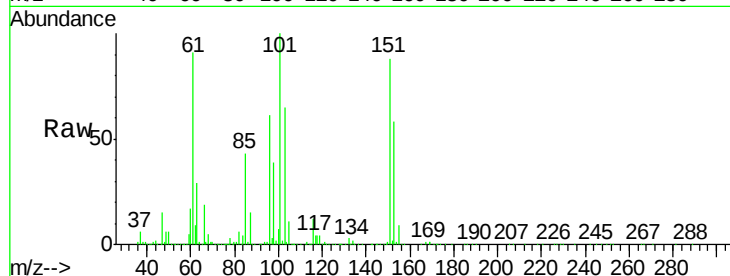
ClientSampleId :

VSTDCCC050EC

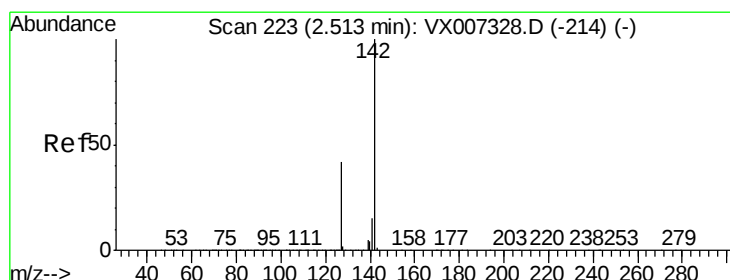
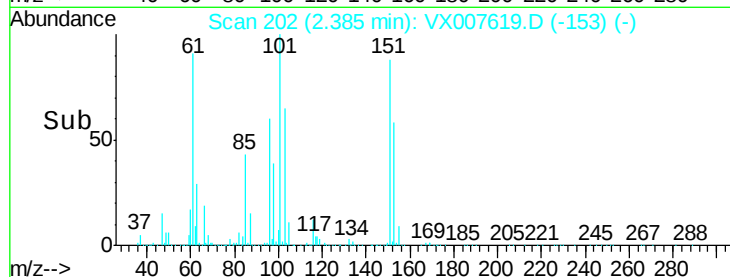
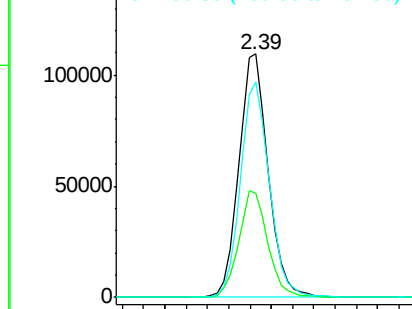
Tot Ion	Ratio	Lower	Upper
101	100		
85	43.4	34.1	51.1
151	87.5	69.9	104.9

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



#10

Methyl Iodide

Concen: 38.001 ug/l

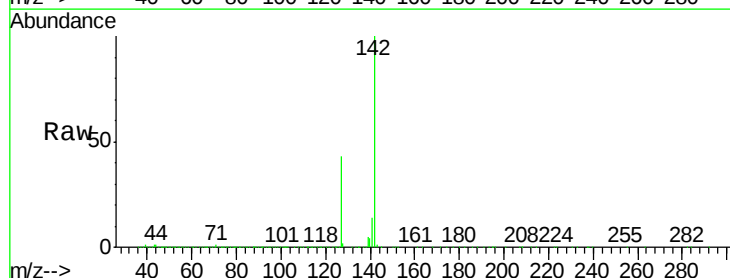
RT: 2.51 min Scan# 223

Delta R.T. 0.00 min

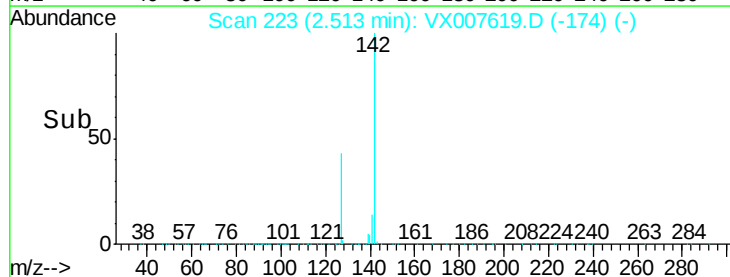
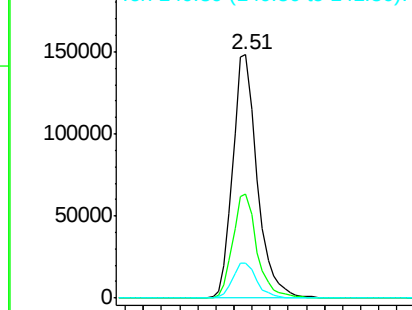
Lab File: VX007619.D

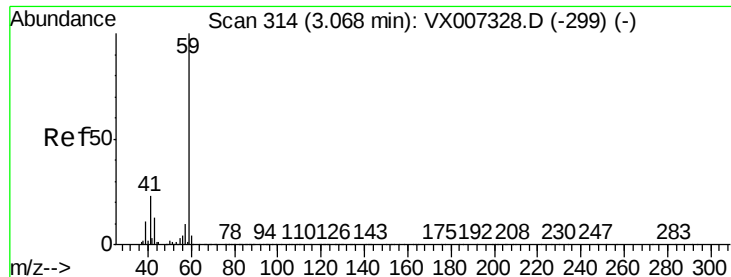
Acq: 19 Feb 2019 17:50

Tgt Ion	Ratio	Lower	Upper
142	100		
127	42.2	33.7	50.5
141	14.3	11.3	16.9



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





#11

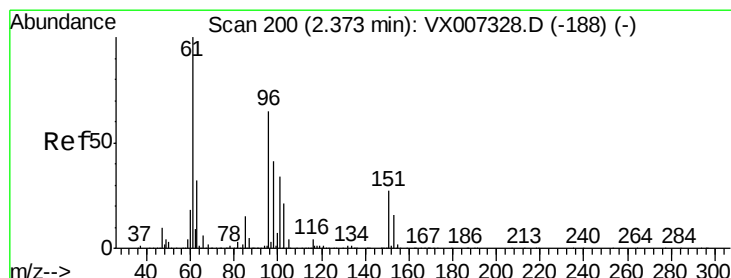
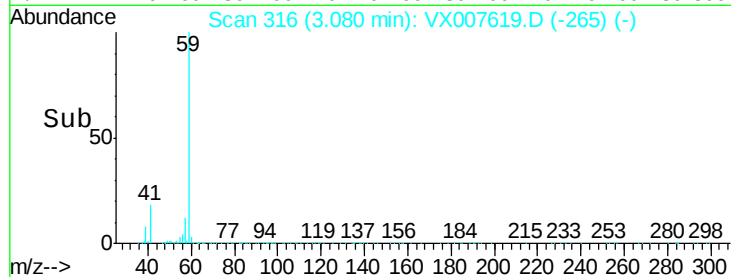
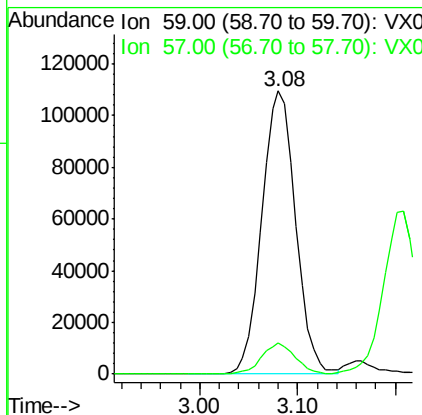
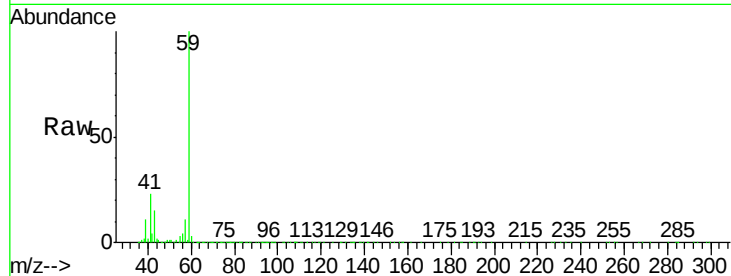
Tert butyl alcohol
Concen: 247.578 ug/l
RT: 3.08 min Scan# 316
Delta R.T. 0.01 min
Lab File: VX007619.D
Acq: 19 Feb 2019 17:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.1	12.1

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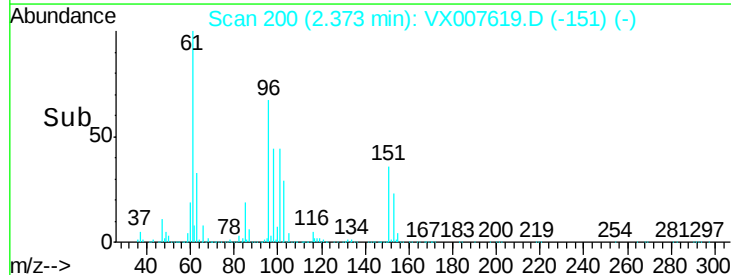
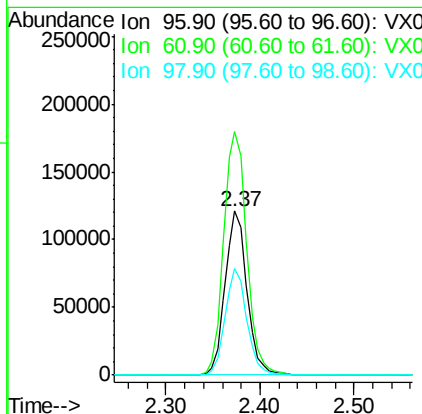
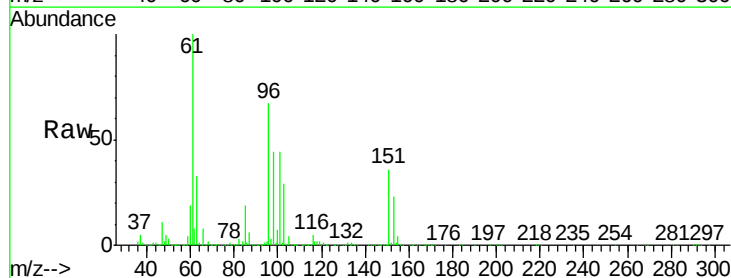
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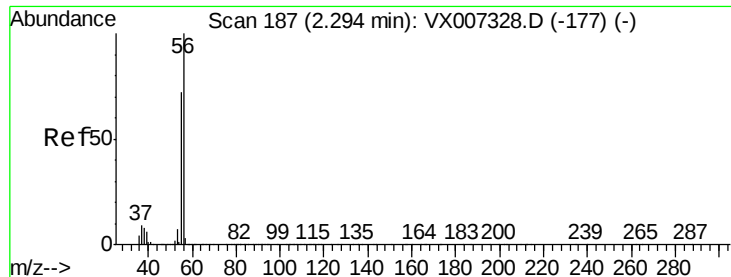


#12

1,1-Dichloroethene
Concen: 42.332 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX007619.D
Acq: 19 Feb 2019 17:50

Tgt Ion	Ratio	Lower	Upper
96	100		
61	148.5	123.0	184.4
98	65.1	50.9	76.3





#13

Acrolein

Concen: 257.085 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX007619.D

Acq: 19 Feb 2019 17:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 127970

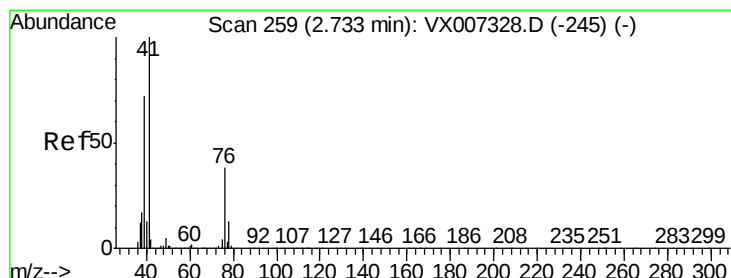
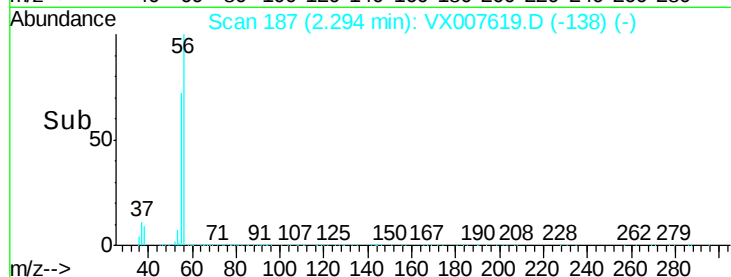
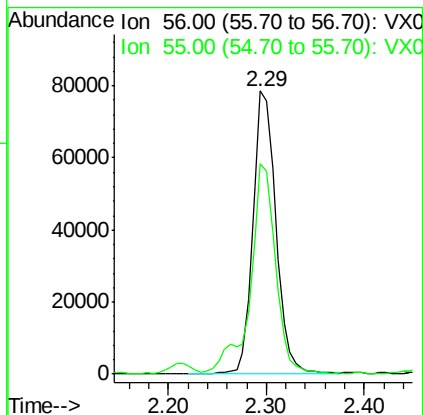
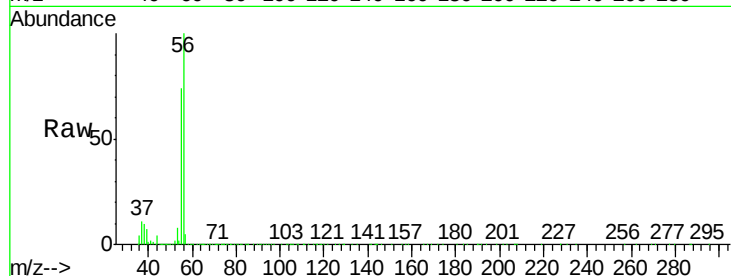
Ion Ratio Lower Upper

56 100

55 81.1 56.9 85.3

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#14

Allyl chloride

Concen: 48.247 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.01 min

Lab File: VX007619.D

Acq: 19 Feb 2019 17:50

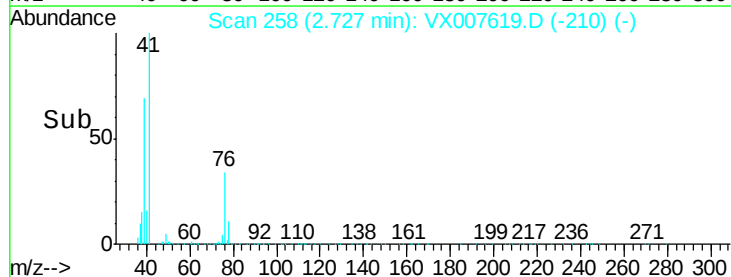
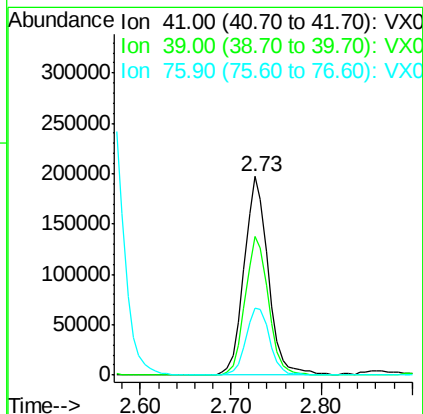
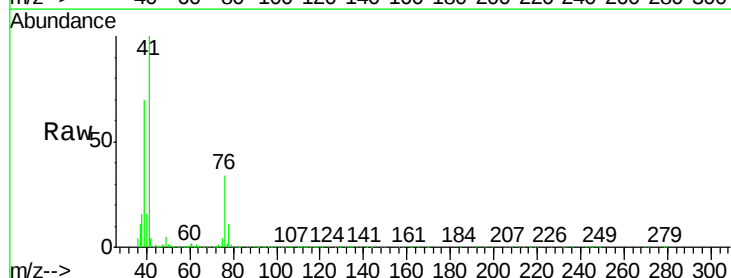
Tgt Ion: 41 Resp: 362726

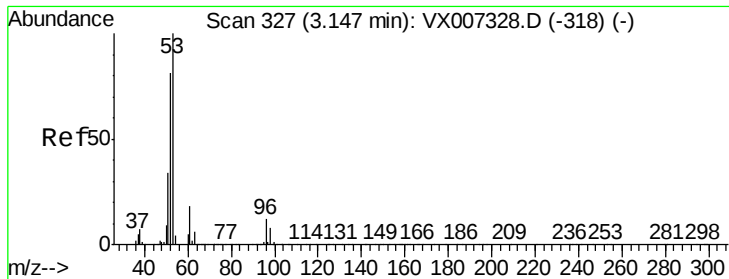
Ion Ratio Lower Upper

41 100

39 67.1 54.1 81.1

76 33.3 27.8 41.8





#15

Acrylonitrile

Concen: 238.257 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX007619.D

Acq: 19 Feb 2019 17:50

Instrument :

MSVOA_X

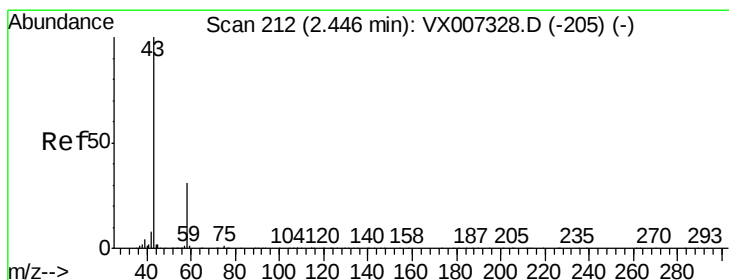
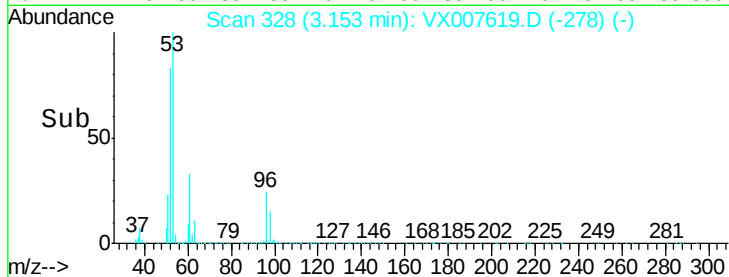
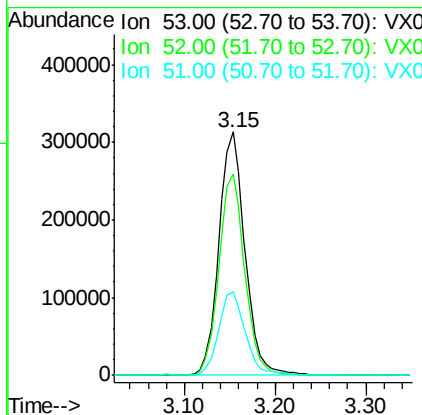
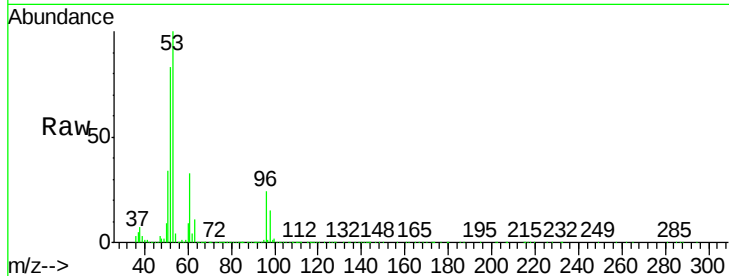
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
53	100		625655		
52	82.1	66.4	99.6		
51	35.4	28.4	42.6		

Manual Integrations
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#16

Acetone

Concen: 228.667 ug/l

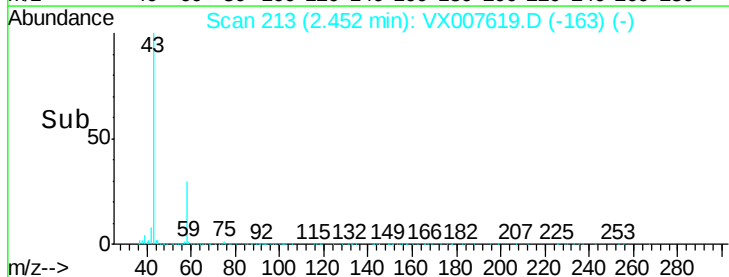
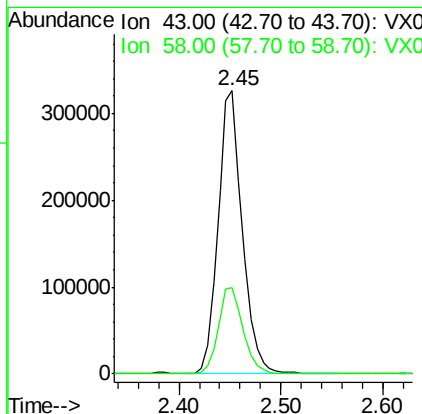
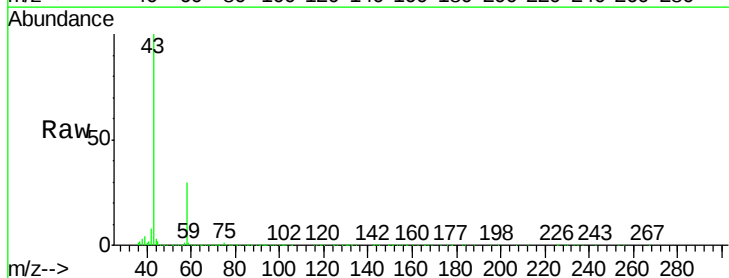
RT: 2.45 min Scan# 213

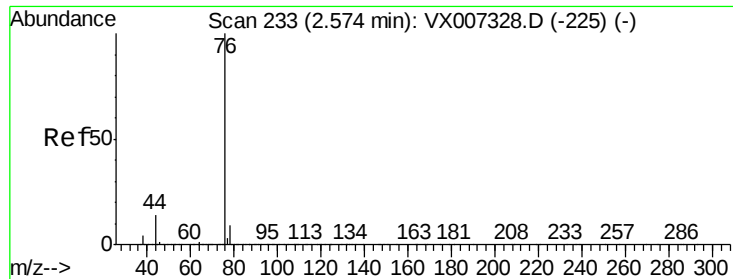
Delta R.T. 0.01 min

Lab File: VX007619.D

Acq: 19 Feb 2019 17:50

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
43	100		537277		
58	30.4	24.9	37.3		





#17

Carbon Disulfide

Concen: 38.633 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.01 min

Lab File: VX007619.D

Acq: 19 Feb 2019 17:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 460050

Ion Ratio Lower Upper

76 100

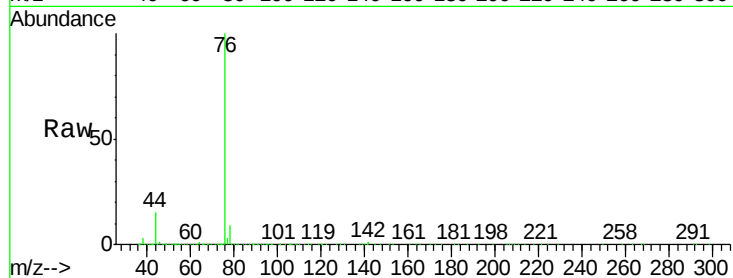
78 9.2 7.1 10.7

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

300000

250000

200000

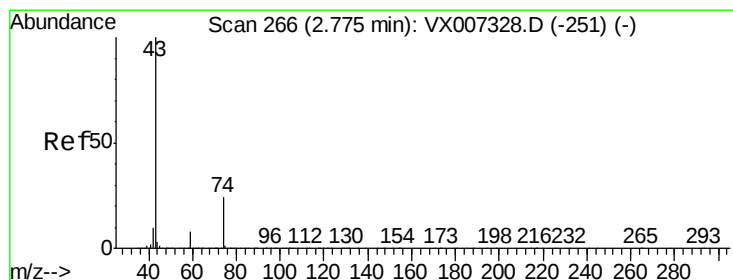
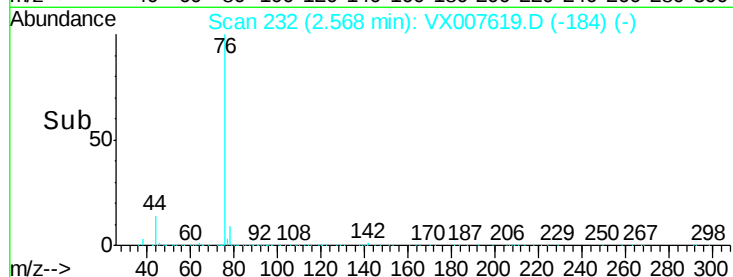
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 57.434 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.01 min

Lab File: VX007619.D

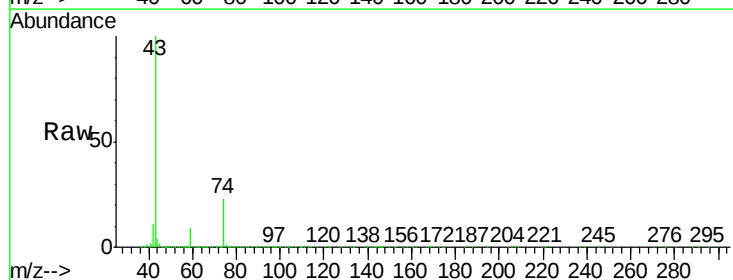
Acq: 19 Feb 2019 17:50

Tgt Ion: 43 Resp: 352152

Ion Ratio Lower Upper

43 100

74 23.6 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

200000

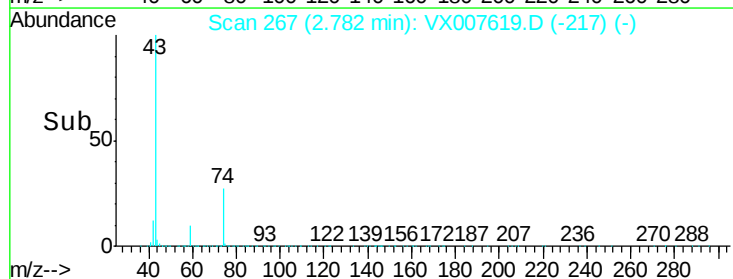
150000

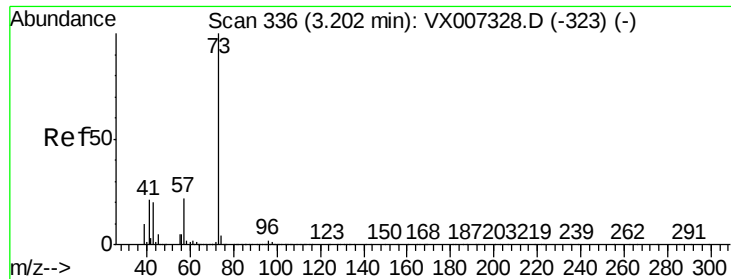
100000

50000

0

Time-->





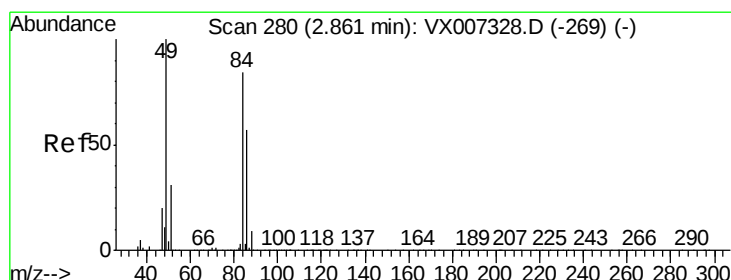
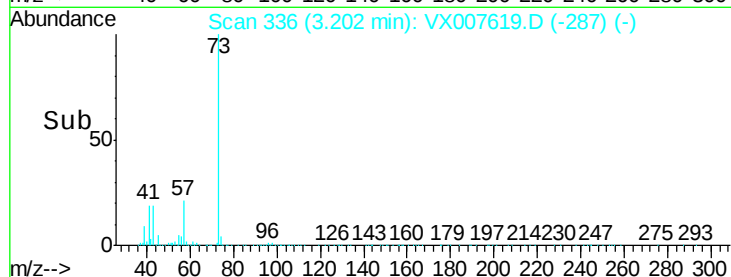
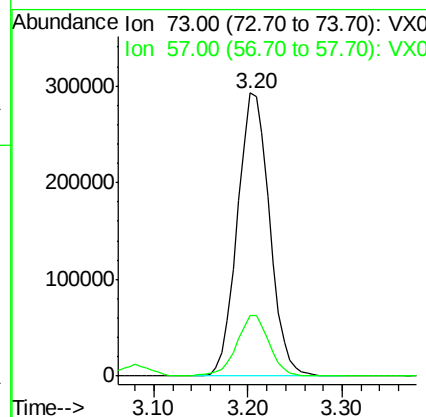
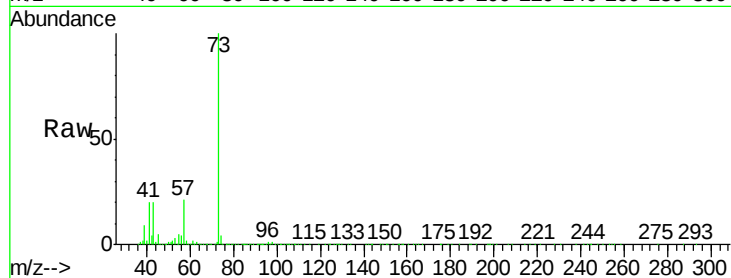
#19
Methvl tert-butvl Ether
Concen: 46.549 ug/l
RT: 3.20 min Scan# 336
Delta R.T. 0.00 min
Lab File: VX007619.D
Acq: 19 Feb 2019 17:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.3	17.8	26.8

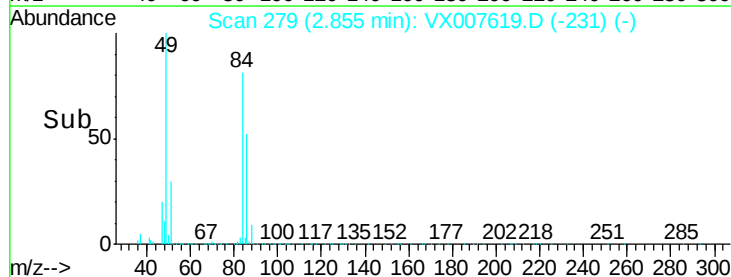
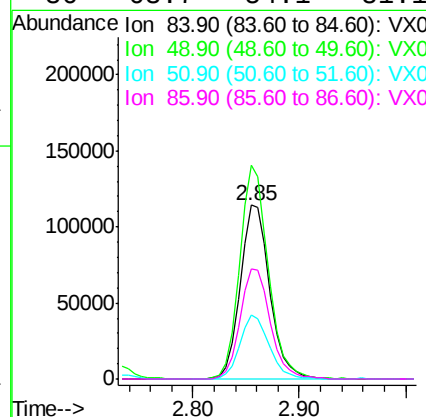
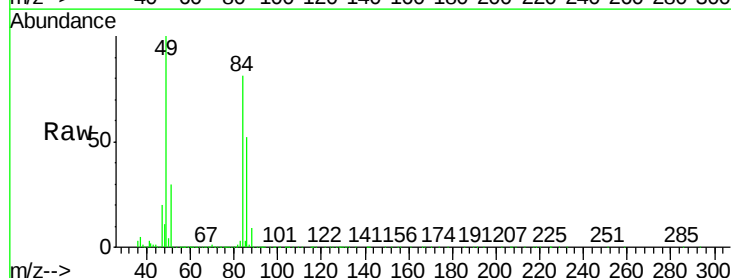
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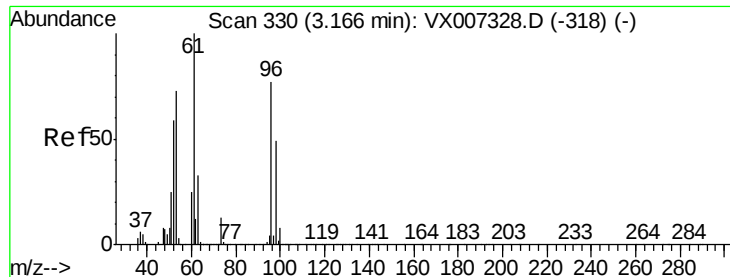
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#20
Methylene Chloride
Concen: 46.381 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX007619.D
Acq: 19 Feb 2019 17:50

Tgt Ion	Ratio	Lower	Upper
84	100		
49	122.9	94.8	142.2
51	37.1	29.8	44.8
86	63.7	54.1	81.1





#21

trans-1,2-Dichloroethene

Concen: 41.315 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX007619.D

Acq: 19 Feb 2019 17:50

Instrument :

MSVOA_X

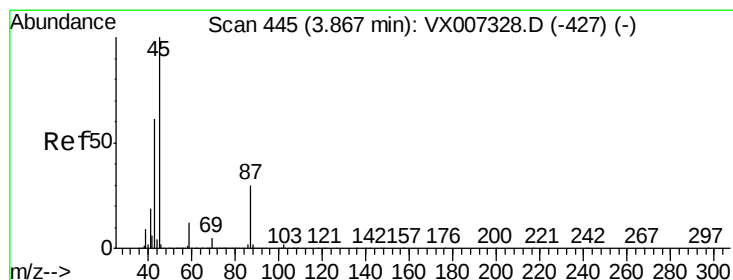
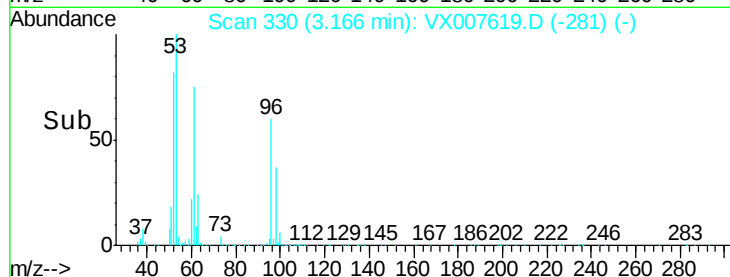
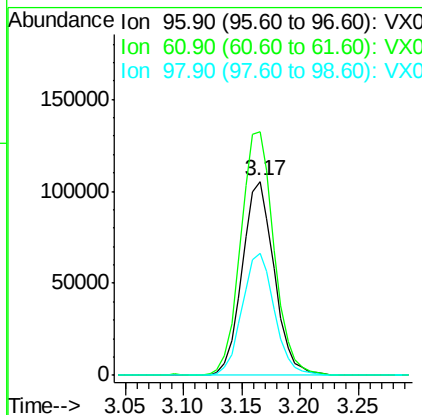
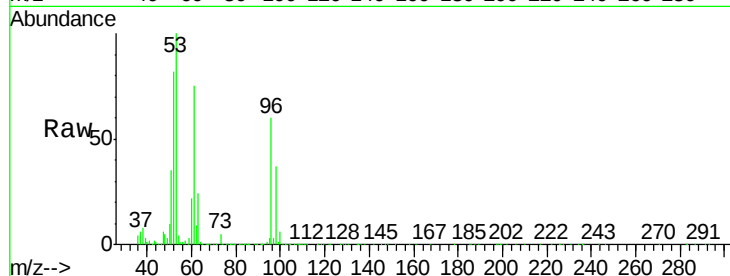
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	203071
Ion Ratio	Lower	Upper	
96	100		
61	125.2	104.6	156.8
98	62.8	51.0	76.4

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#22

Diisopropyl ether

Concen: 47.252 ug/l

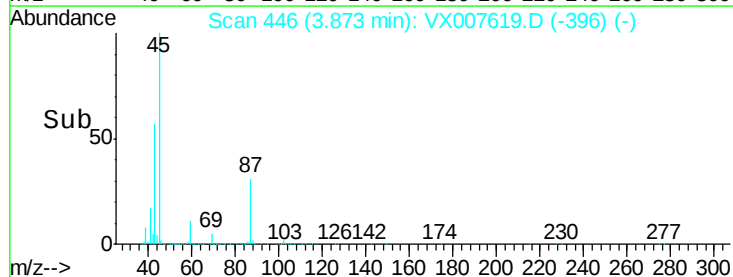
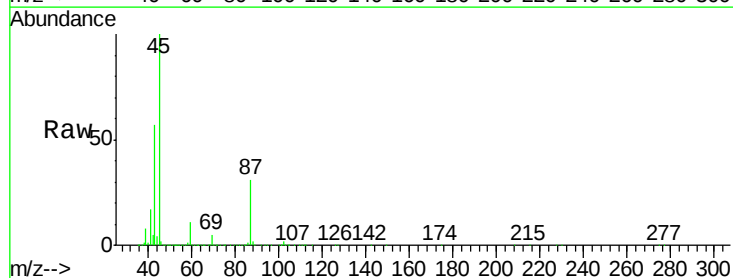
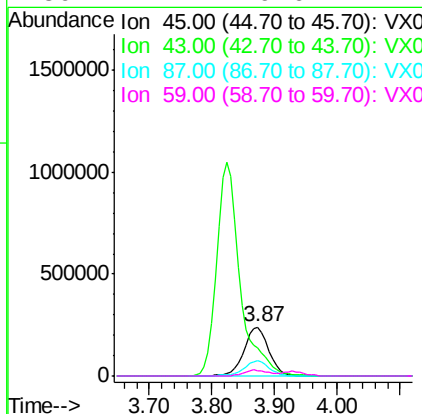
RT: 3.87 min Scan# 446

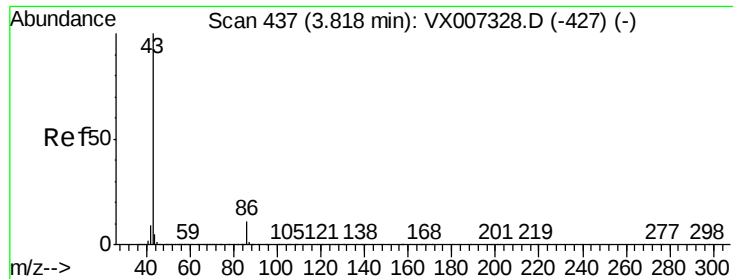
Delta R.T. 0.01 min

Lab File: VX007619.D

Acq: 19 Feb 2019 17:50

Tgt Ion:	45	Resp:	653445
Ion Ratio	Lower	Upper	
45	100		
43	56.8	48.9	73.3
87	31.1	23.9	35.9
59	11.1	9.6	14.4





#23

Vinyl Acetate

Concen: 236.752 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.01 min

Lab File: VX007619.D

Acq: 19 Feb 2019 17:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2716866

Ion Ratio Lower Upper

43 100

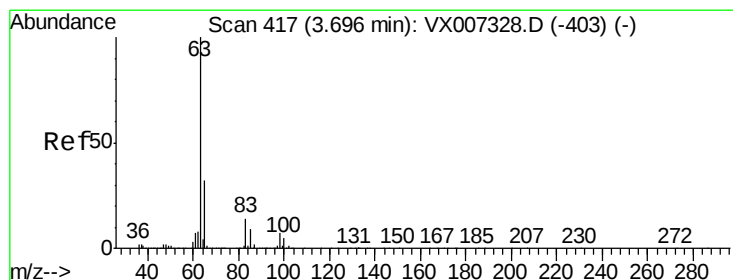
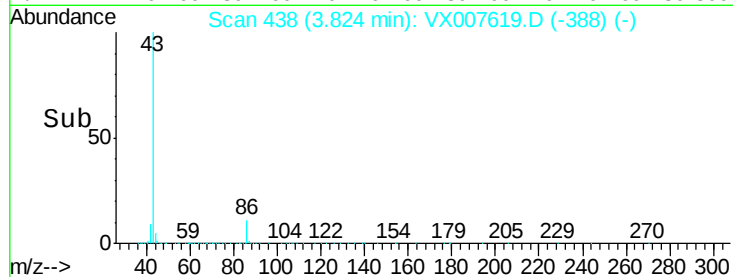
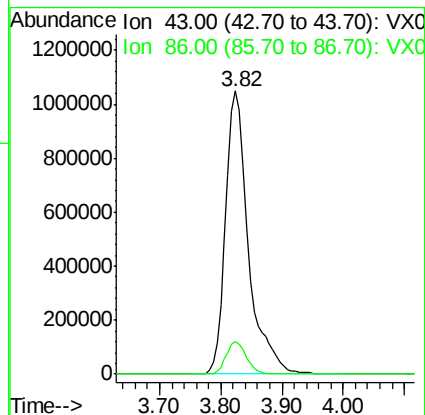
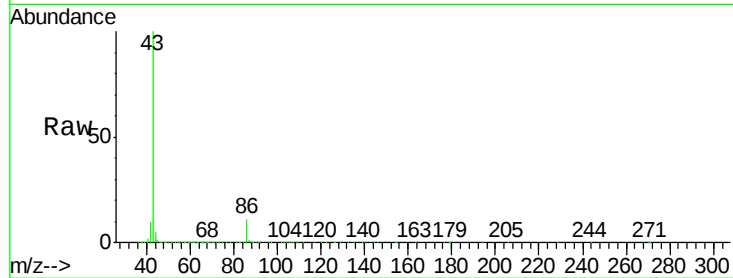
86 11.4 8.7 13.1

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#24

1,1-Dichloroethane

Concen: 46.081 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX007619.D

Acq: 19 Feb 2019 17:50

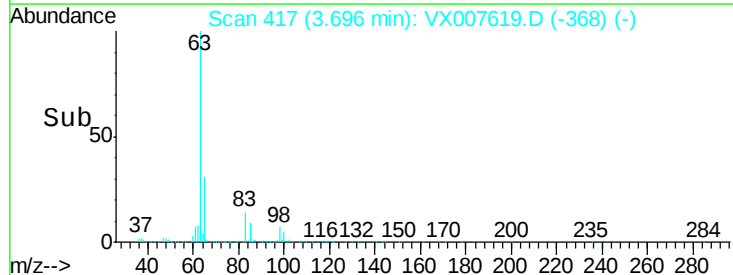
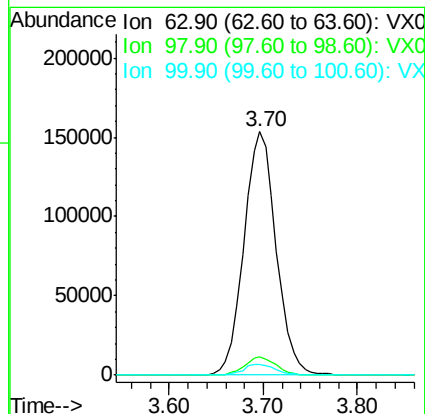
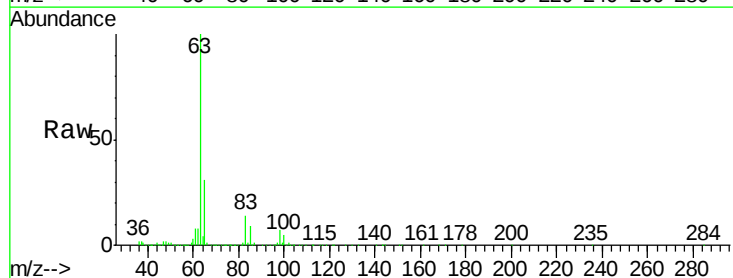
Tgt Ion: 63 Resp: 365962

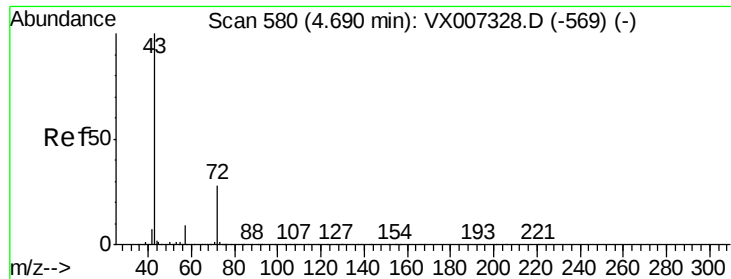
Ion Ratio Lower Upper

63 100

98 7.4 3.6 10.8

100 4.5 2.5 7.4





#25

2-Butanone

Concen: 247.468 ug/l

RT: 4.70 min Scan# 581

Delta R.T. 0.01 min

Lab File: VX007619.D

Acq: 19 Feb 2019 17:50

Tot Ion: 43 Resp: 827478

Ion Ratio Lower Upper

43 100

72 26.8 22.2 33.2

Instrument :

MSVOA_X

ClientSampleId :

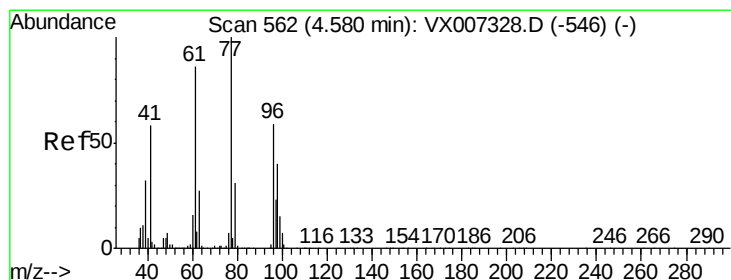
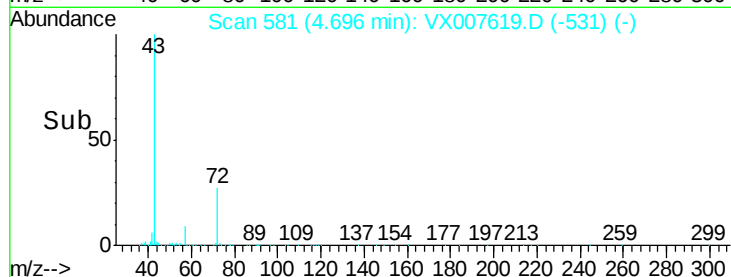
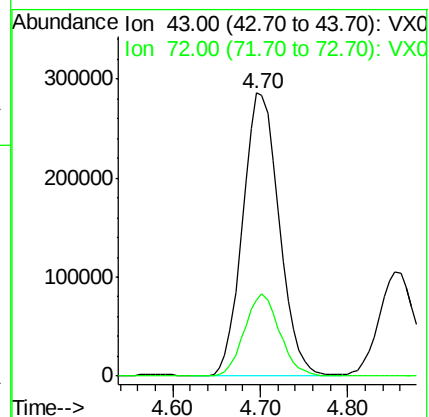
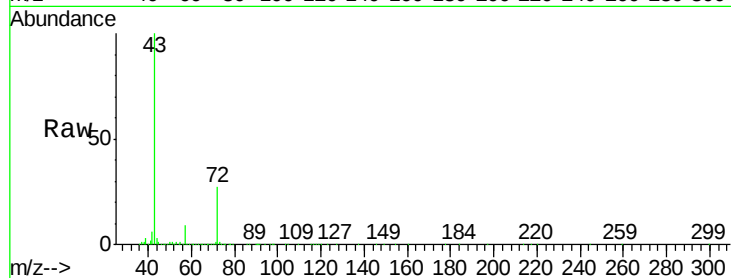
VSTDCCC050EC

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 46.802 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX007619.D

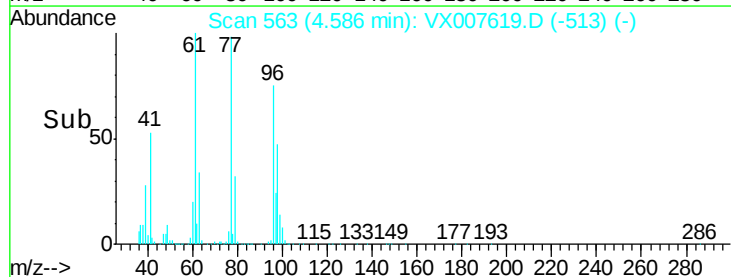
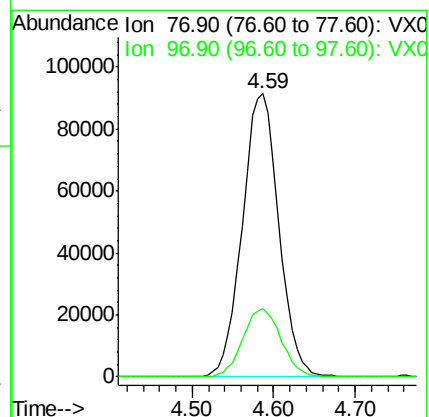
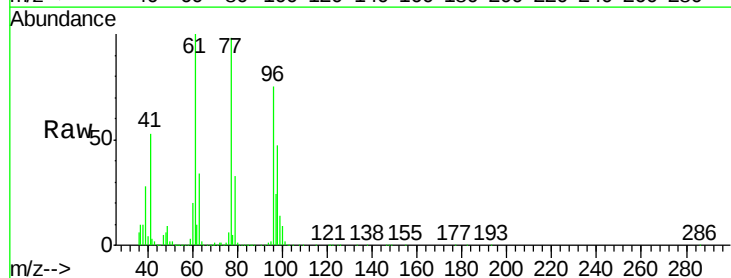
Acq: 19 Feb 2019 17:50

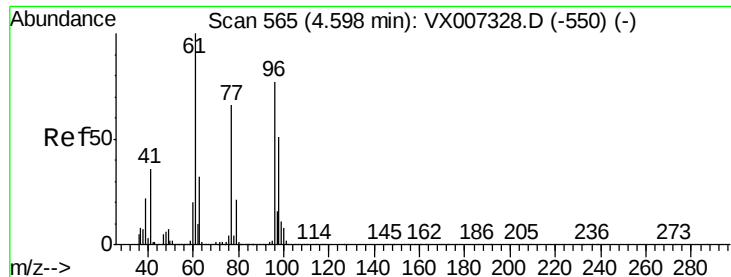
Tgt Ion: 77 Resp: 283060

Ion Ratio Lower Upper

77 100

97 25.3 12.1 36.3





#27

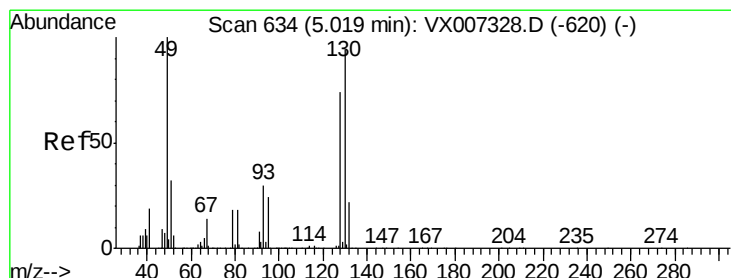
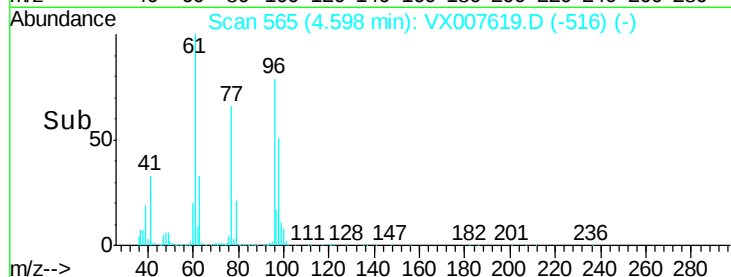
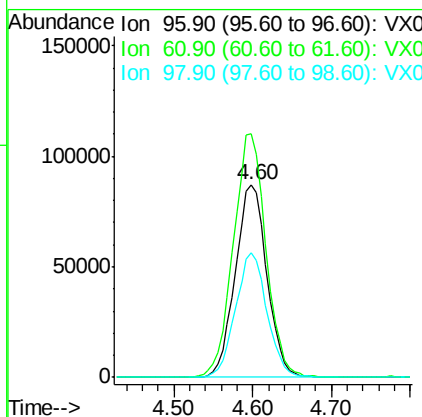
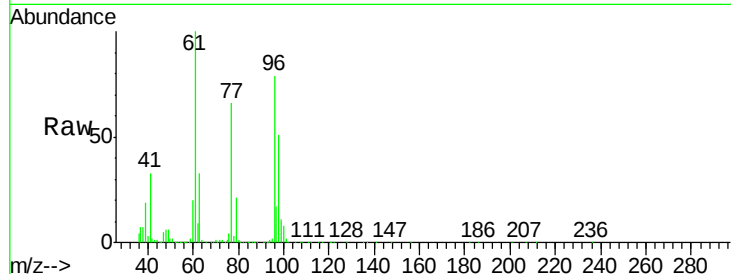
cis-1,2-Dichloroethene
 Concen: 45.331 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: VX007619.D
 Acq: 19 Feb 2019 17:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	243364		
61	130.4	0.0	265.6	
98	64.6	0.0	131.6	

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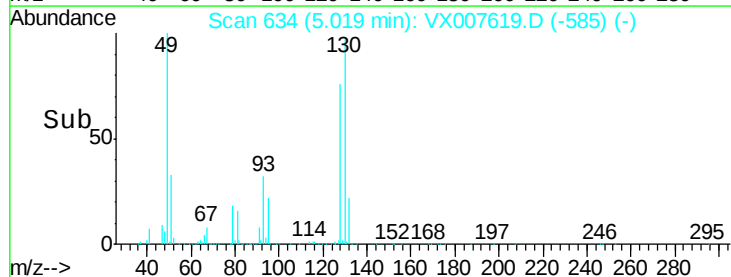
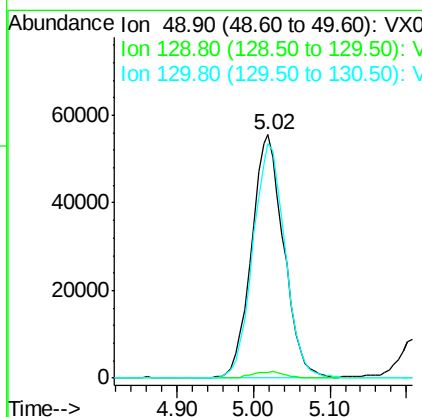
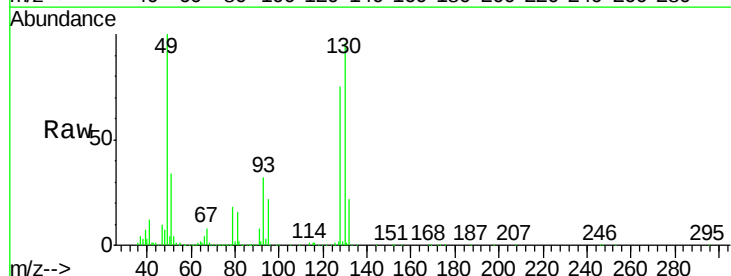
MMDadoda
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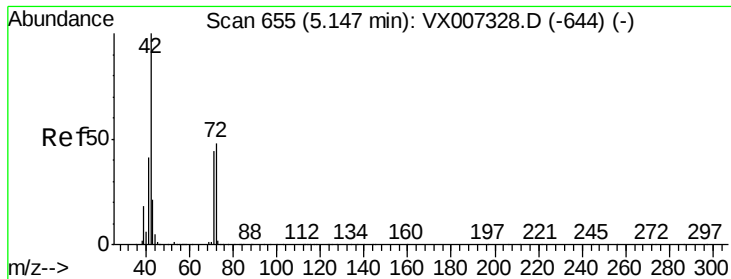


#28

Bromochloromethane
 Concen: 44.435 ug/l
 RT: 5.02 min Scan# 634
 Delta R.T. 0.00 min
 Lab File: VX007619.D
 Acq: 19 Feb 2019 17:50

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	162281		
129	2.7	0.0	5.6	
130	97.0	75.6	113.4	





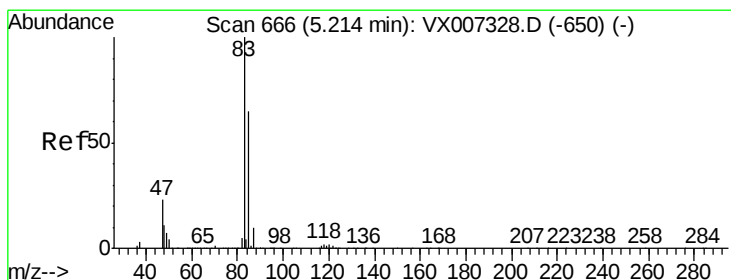
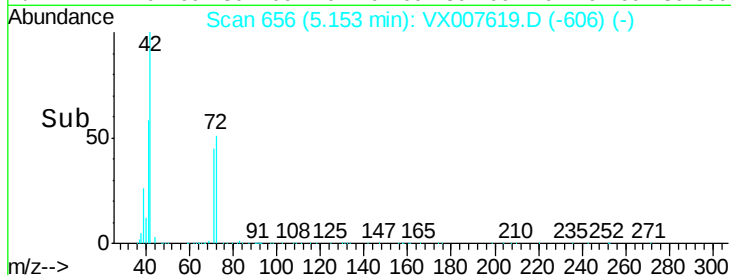
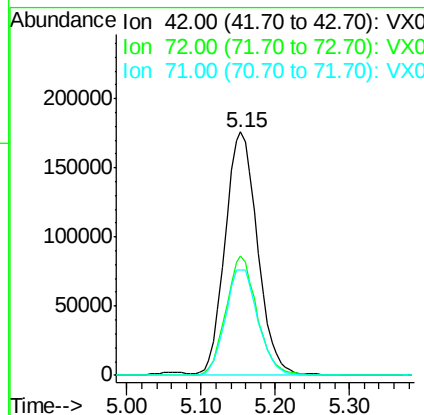
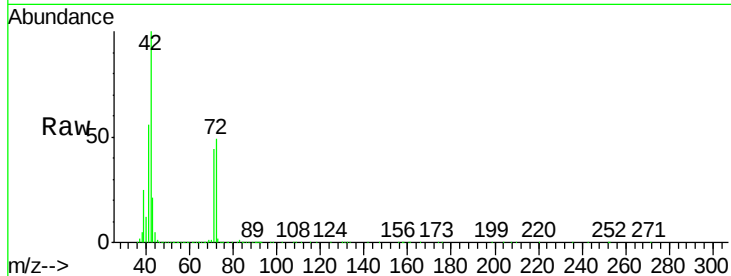
#29
Tetrahydrofuran
Concen: 253.161 ug/l
RT: 5.15 min Scan# 656
Delta R.T. 0.01 min
Lab File: VX007619.D
Acq: 19 Feb 2019 17:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.5	37.6	56.4
71	44.2	34.6	51.8

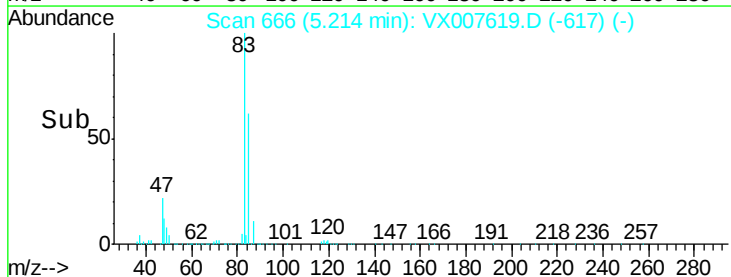
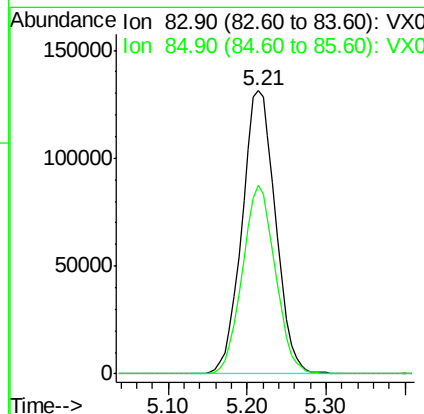
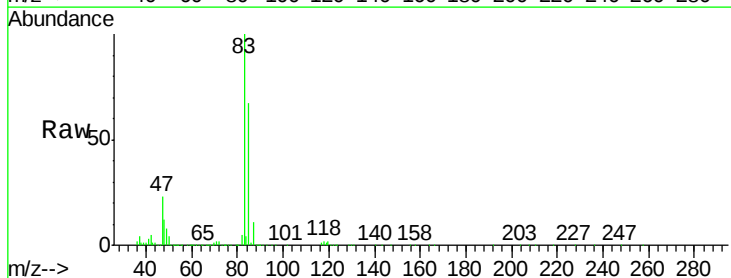
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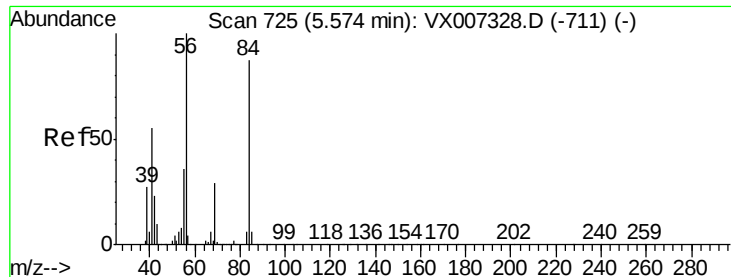
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#30
Chloroform
Concen: 46.798 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX007619.D
Acq: 19 Feb 2019 17:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.6	51.6	77.4





#31

Cyclohexane

Concen: 41.664 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.00 min

Lab File: VX007619.D

Acq: 19 Feb 2019 17:50

Instrument :

MSVOA_X

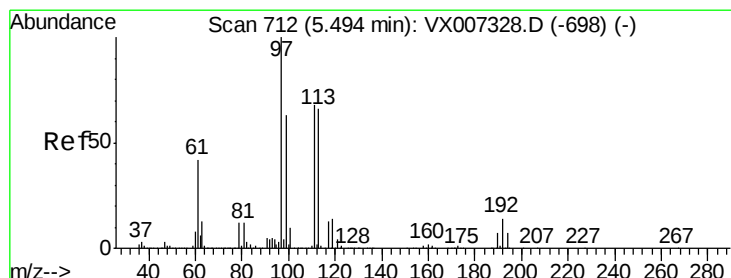
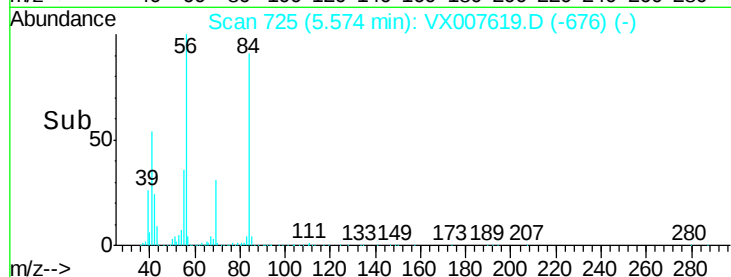
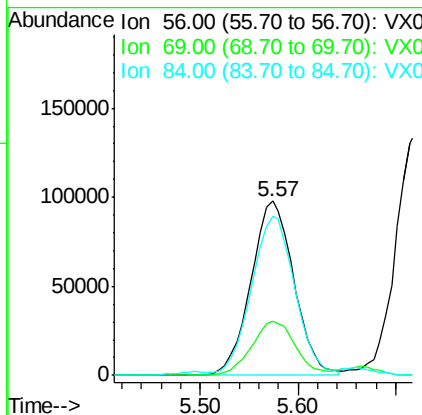
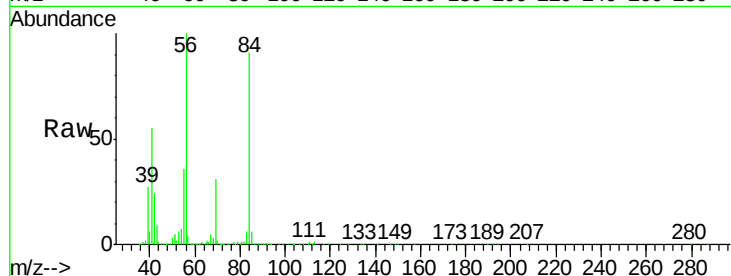
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	297173
Ion Ratio		Lower	Upper
56	100		
69	30.9	23.0	34.6
84	89.8	69.8	104.6

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#32

1,1,1-Trichloroethane

Concen: 47.809 ug/l

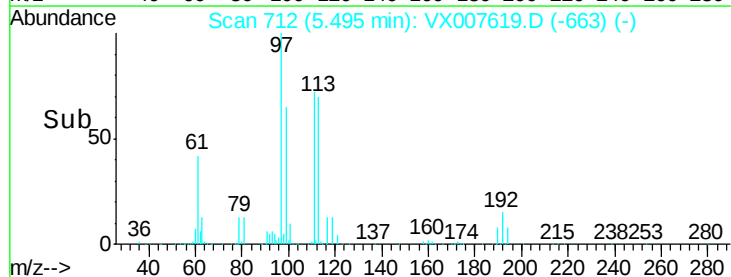
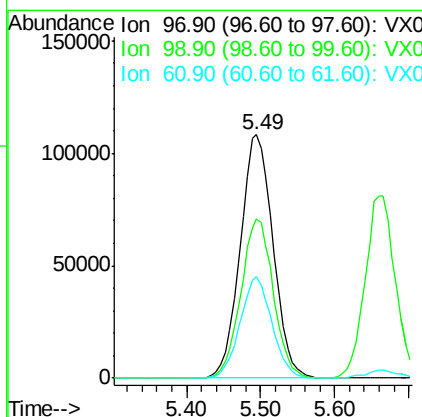
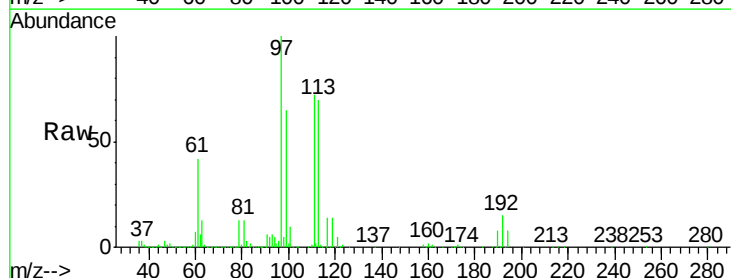
RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX007619.D

Acq: 19 Feb 2019 17:50

Tgt Ion:	97	Resp:	334430
Ion Ratio		Lower	Upper
97	100		
99	64.6	52.2	78.2
61	40.4	32.7	49.1





#33

1,2-Dichloroethane-d4

Concen: 48.805 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX007619.D

Acq: 19 Feb 2019 17:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 250338

Ion Ratio Lower Upper

65 100

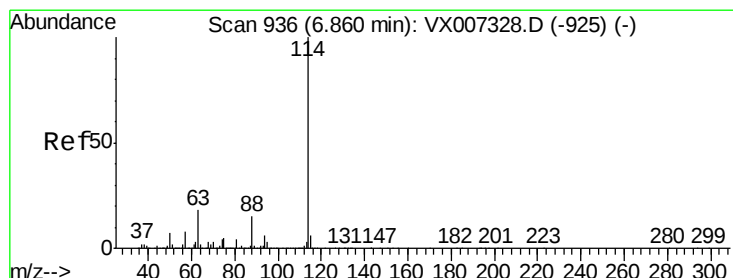
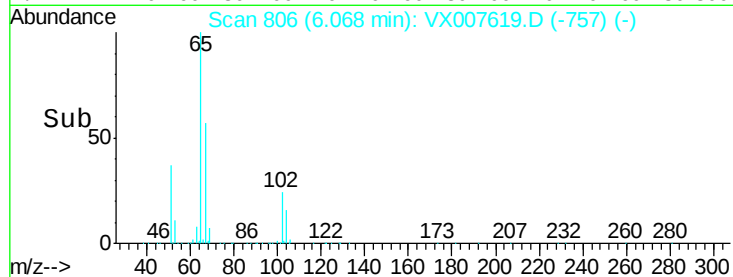
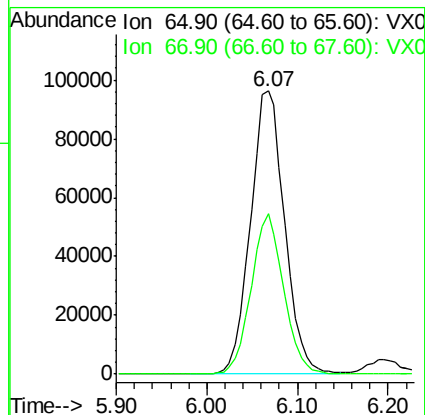
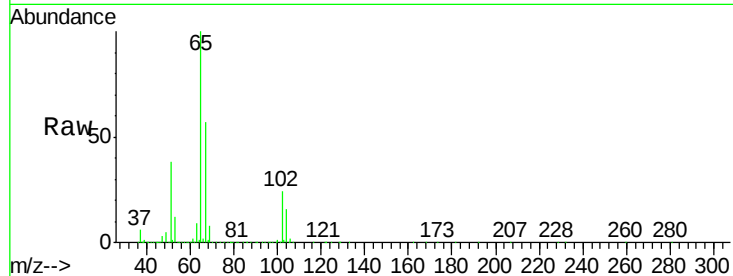
67 53.4 0.0 108.8

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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: VX007619.D

Acq: 19 Feb 2019 17:50

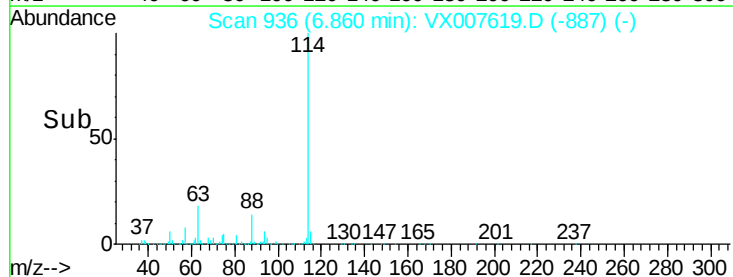
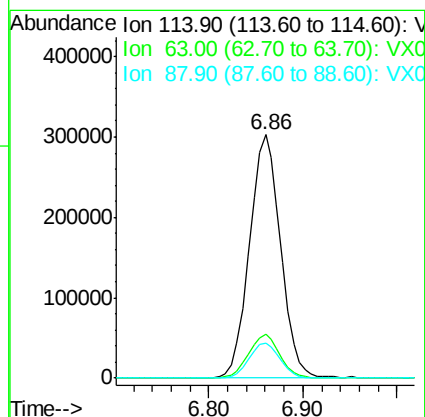
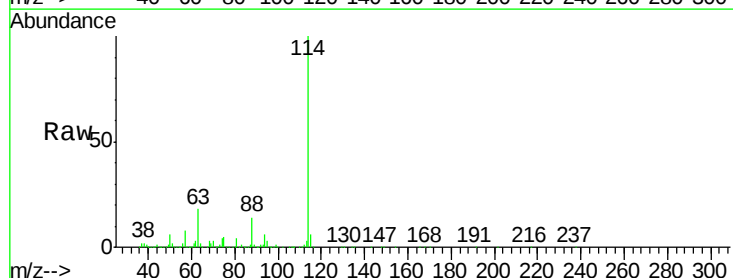
Tgt Ion: 114 Resp: 701482

Ion Ratio Lower Upper

114 100

63 18.1 0.0 35.6

88 14.4 0.0 29.6





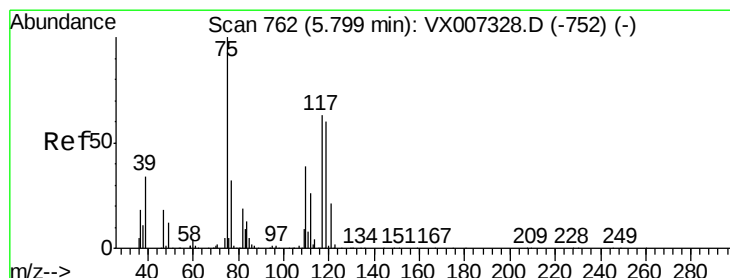
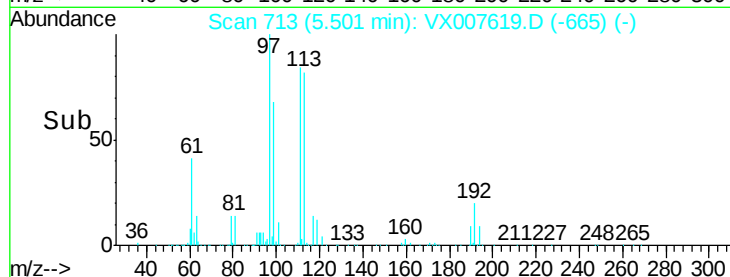
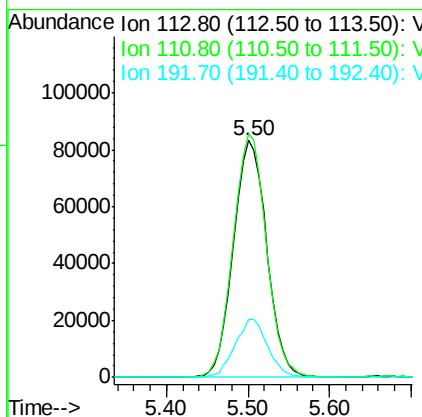
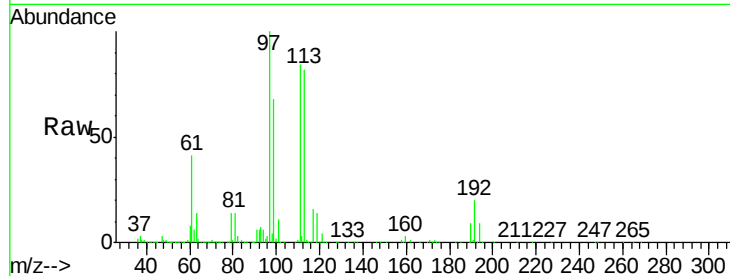
#35
 Dibromofluoromethane
 Concen: 51.744 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.01 min
 Lab File: VX007619.D
 Acq: 19 Feb 2019 17:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	236173		
111	102.2	81.8	122.8	
192	24.1	18.5	27.7	

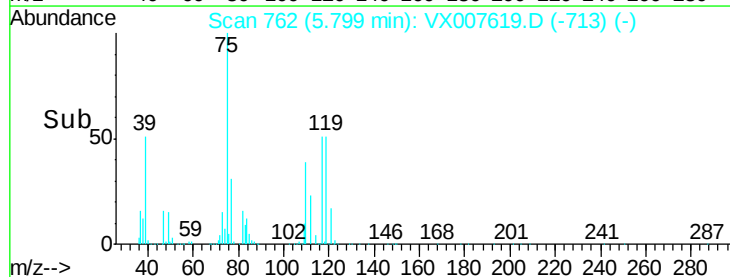
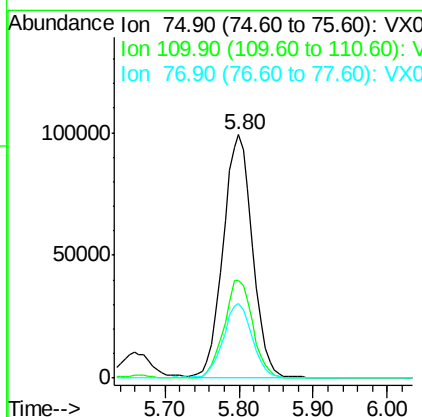
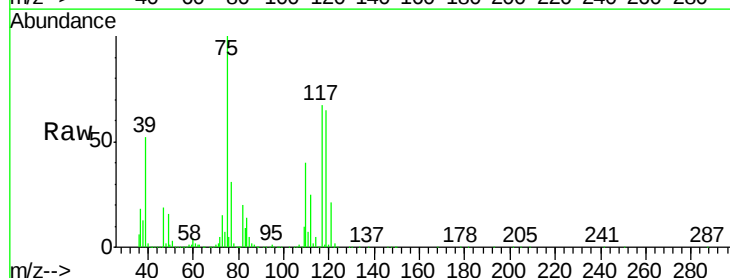
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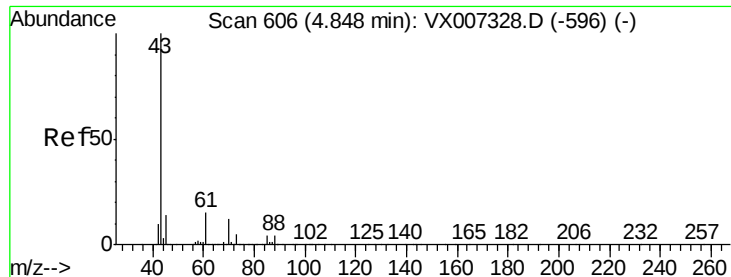
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#36
 1,1-Dichloropropene
 Concen: 43.220 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VX007619.D
 Acq: 19 Feb 2019 17:50

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	272028		
110	39.4	20.0	59.9	
77	29.8	24.7	37.1	





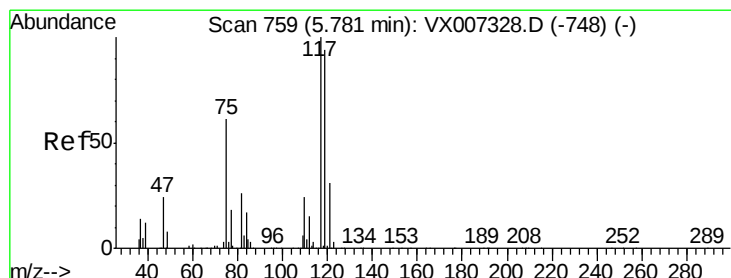
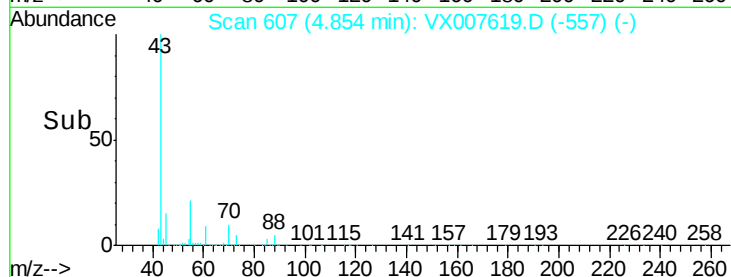
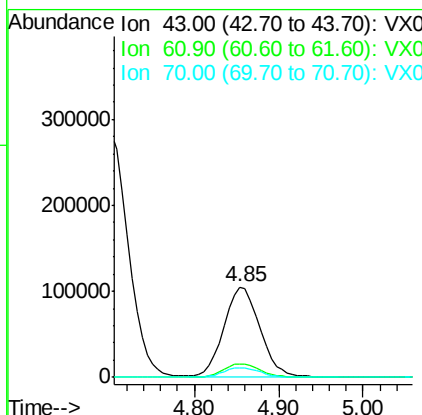
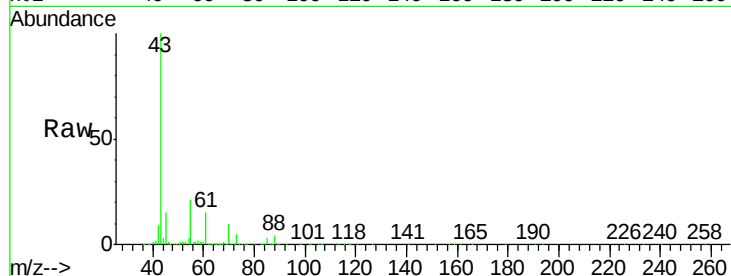
#37
Ethyl Acetate
Concen: 47.776 ug/l
RT: 4.85 min Scan# 607
Delta R.T. 0.01 min
Lab File: VX007619.D
Acq: 19 Feb 2019 17:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:	43	Resp:	303973
Ion	Ratio	Lower	Upper
43	100		
61	15.1	11.3	16.9
70	11.1	8.6	13.0

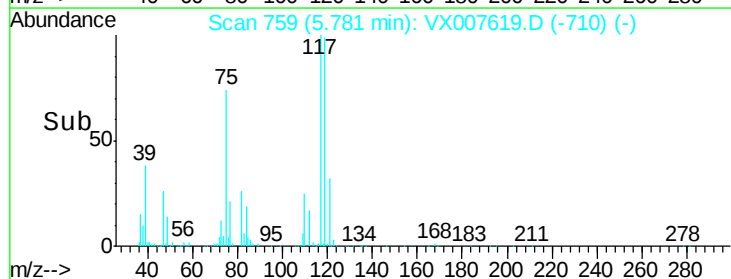
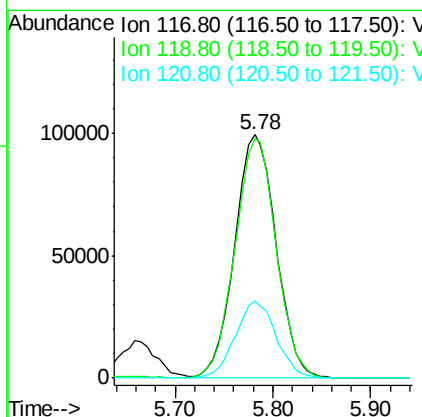
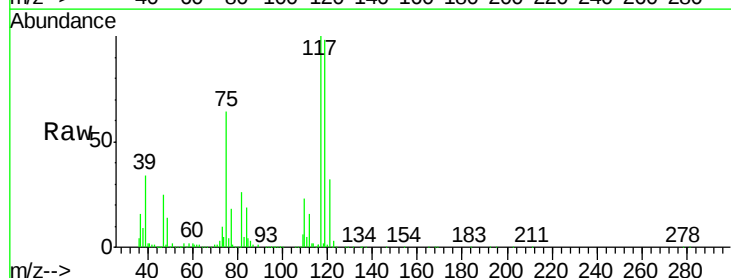
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#38
Carbon Tetrachloride
Concen: 47.698 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX007619.D
Acq: 19 Feb 2019 17:50

Tgt Ion:	117	Resp:	291248
Ion	Ratio	Lower	Upper
117	100		
119	98.3	75.3	112.9
121	31.5	25.0	37.4





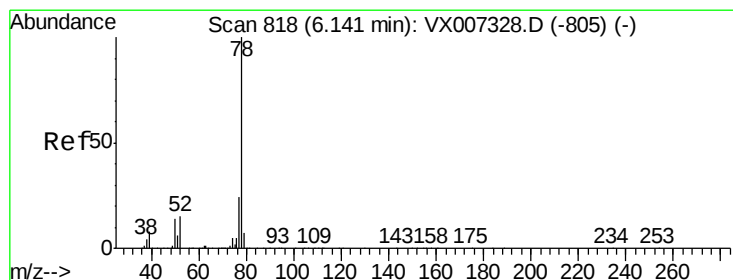
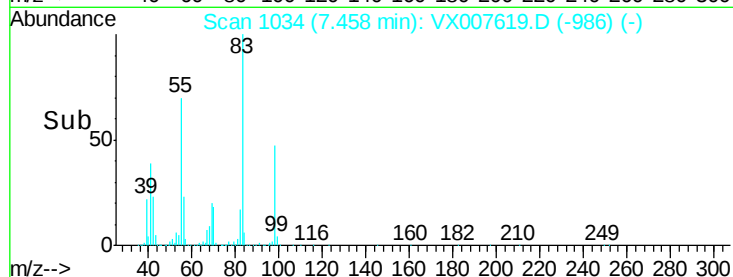
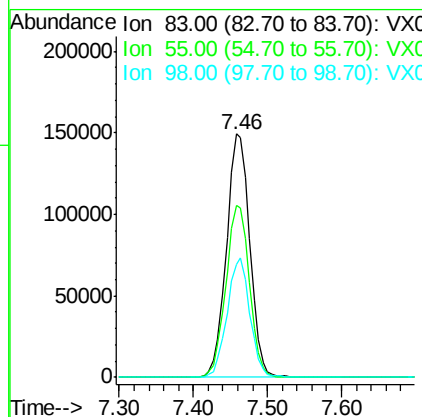
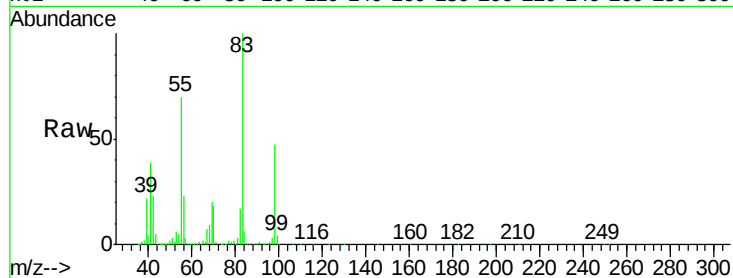
#39
Methvlcvclohexane
Concen: 43.038 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX007619.D
Acq: 19 Feb 2019 17:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	70.4	56.2	84.2
98	46.6	36.8	55.2

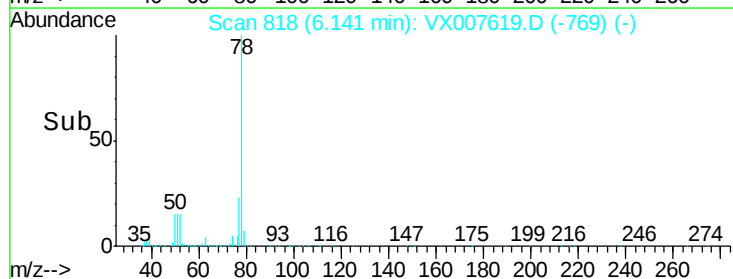
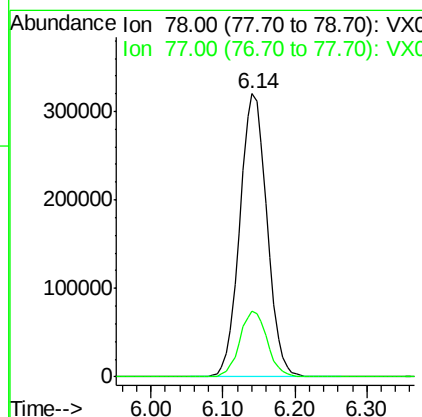
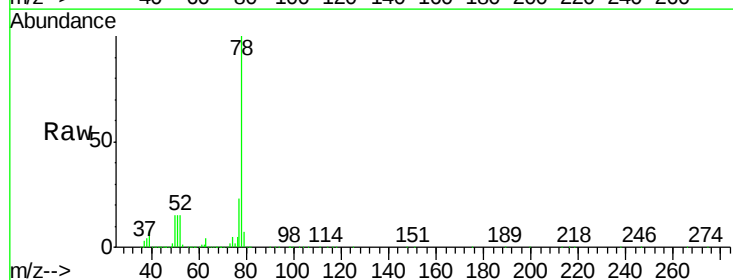
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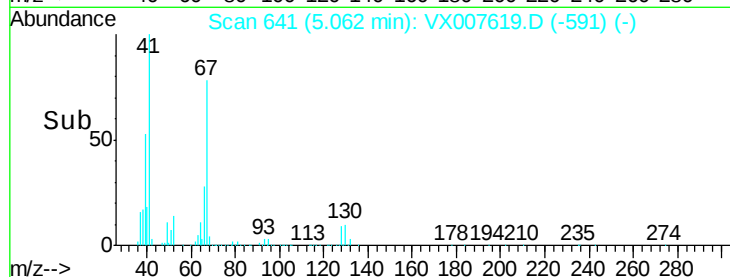
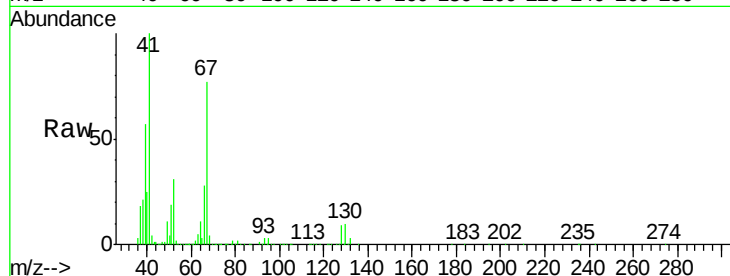
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#40
Benzene
Concen: 45.291 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX007619.D
Acq: 19 Feb 2019 17:50

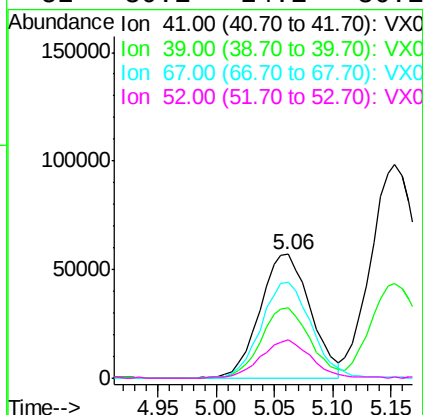
Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	19.3	28.9





#41
Methacrylonitrile
Concen: 50.029 ug/l
RT: 5.06 min Scan# 641
Delta R.T. 0.01 min
Lab File: VX007619.D
Acq: 19 Feb 2019 17:50

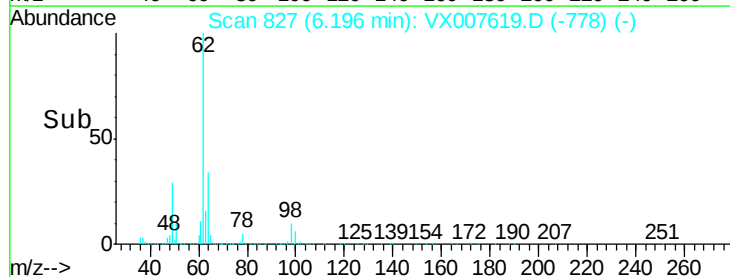
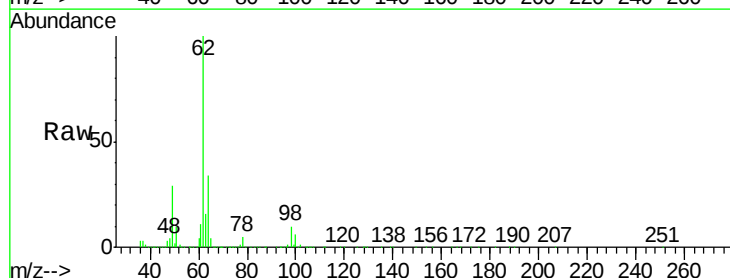
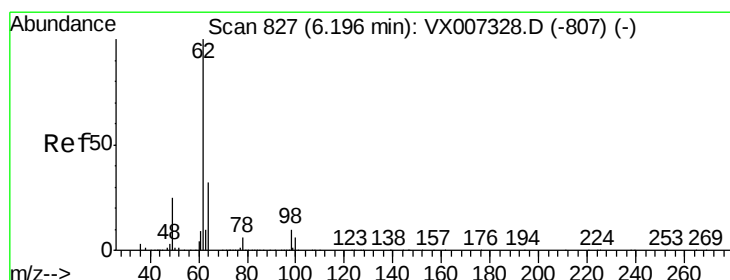
Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.4	44.5	66.7	
67	77.4	60.4	90.6	
52	30.1	24.1	36.1	



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

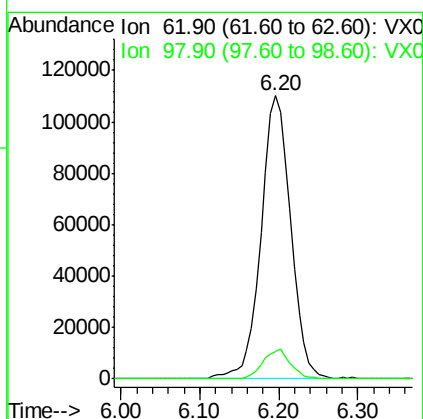
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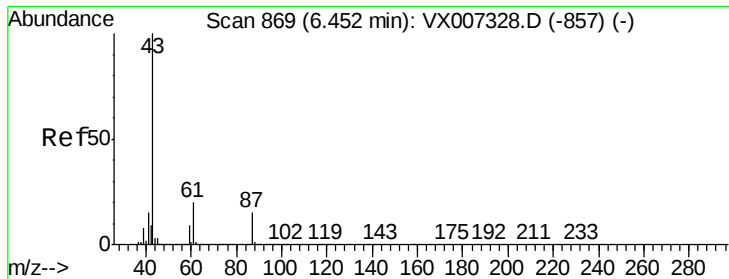
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#42
1,2-Dichloroethane
Concen: 44.977 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX007619.D
Acq: 19 Feb 2019 17:50

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.9	0.0	19.0	





#43

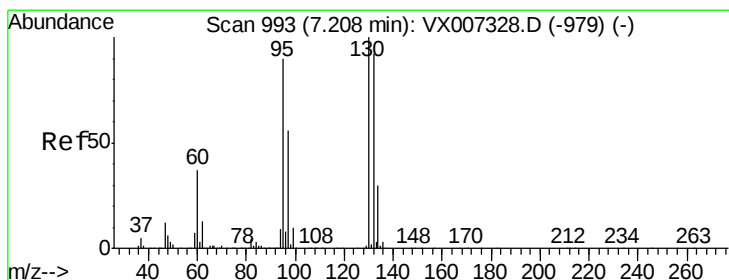
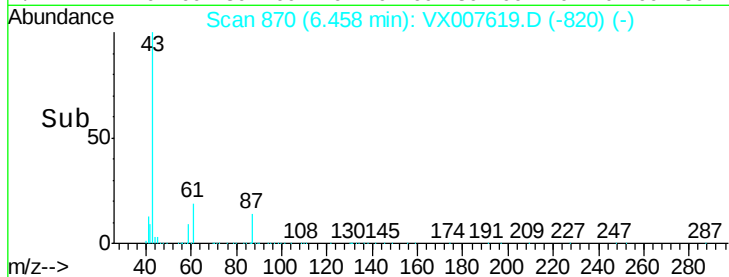
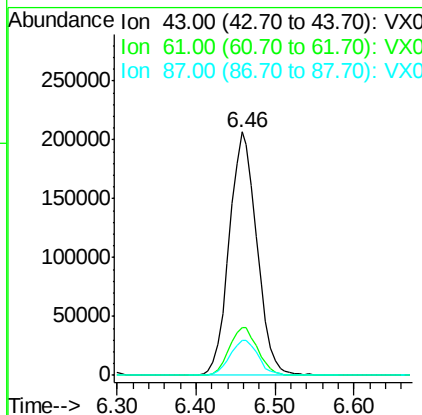
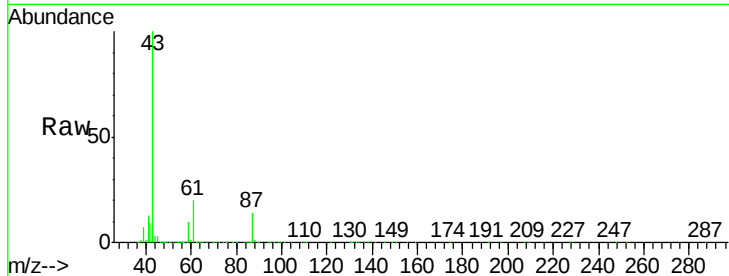
Isopropyl Acetate
 Concen: 50.957 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. 0.01 min
 Lab File: VX007619.D
 Acq: 19 Feb 2019 17:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.4	16.1	24.1
87	14.8	11.5	17.3

Manual Integrations
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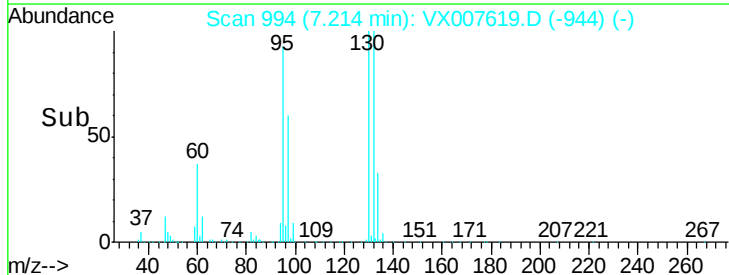
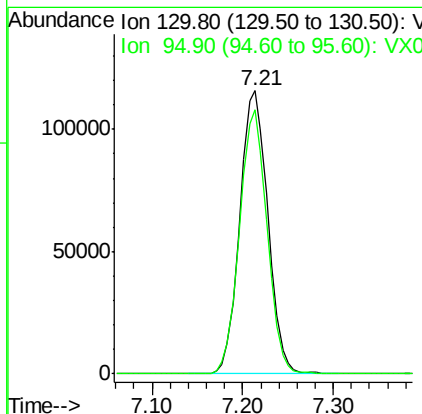
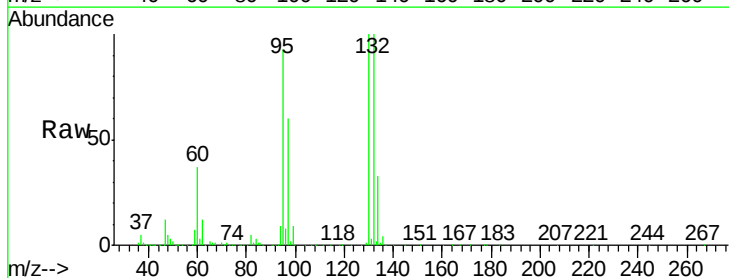
MMDadoda
 2/20/2019 10:35:14 AM

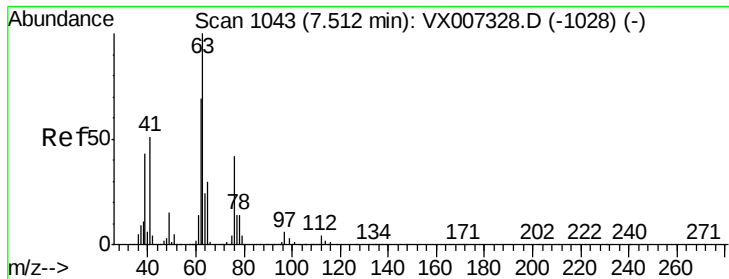


#44

Trichloroethene
 Concen: 44.536 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.01 min
 Lab File: VX007619.D
 Acq: 19 Feb 2019 17:50

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.1	0.0	180.0





#45

1,2-Dichloropropane

Concen: 47.917 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX007619.D

Acq: 19 Feb 2019 17:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 222587

Ion Ratio Lower Upper

63 100

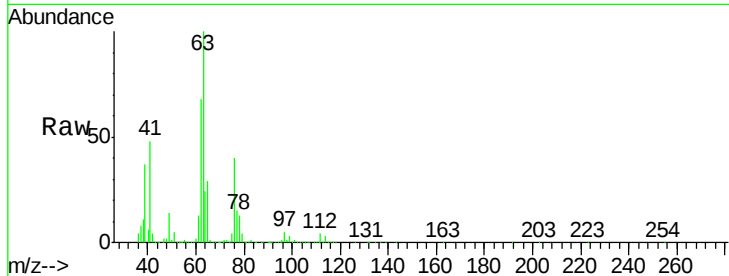
65 28.8 24.2 36.2

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.51

120000

100000

80000

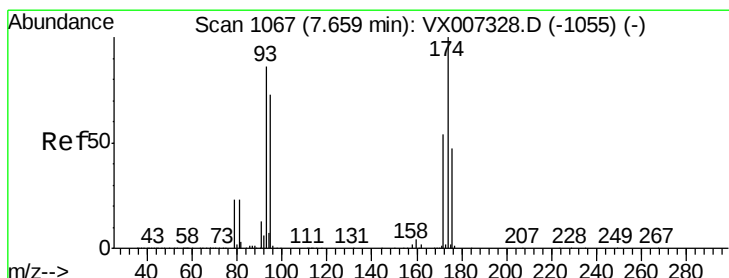
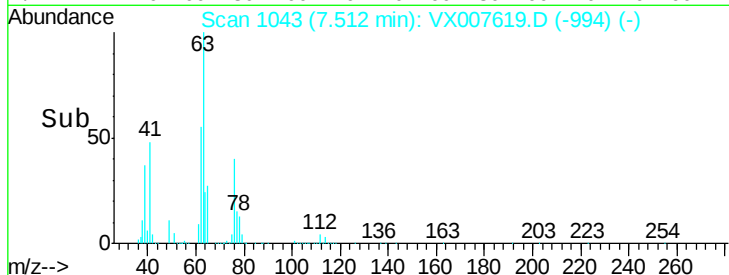
60000

40000

20000

0

Time-->



#46

Dibromomethane

Concen: 45.778 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX007619.D

Acq: 19 Feb 2019 17:50

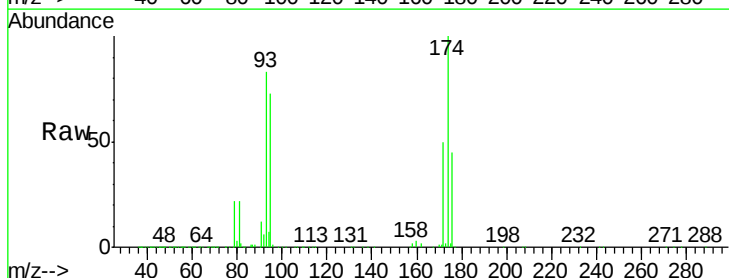
Tgt Ion: 93 Resp: 154558

Ion Ratio Lower Upper

93 100

95 84.7 67.6 101.4

174 122.1 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

120000

100000

80000

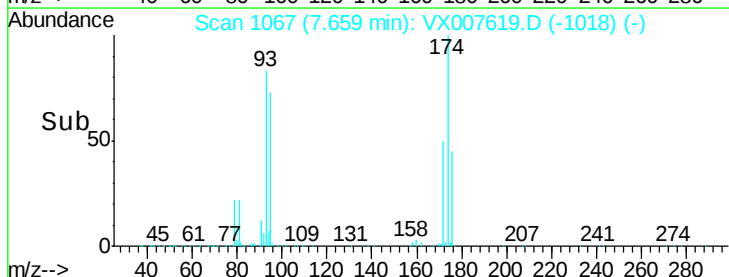
60000

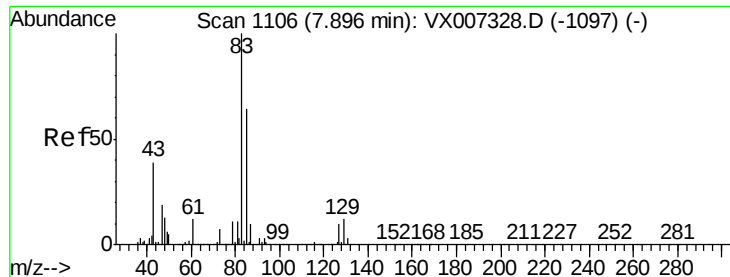
40000

20000

0

Time-->





#47

Bromodichloromethane

Concen: 49.373 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX007619.D

Acq: 19 Feb 2019 17:50

Instrument :

MSVOA_X

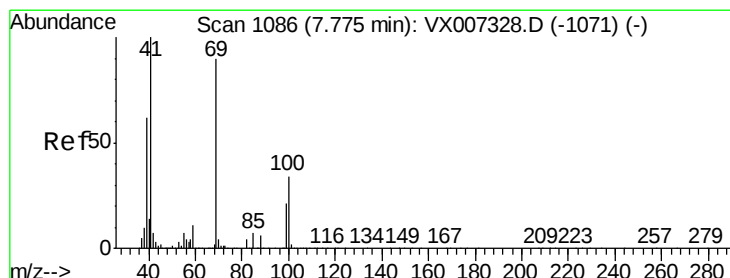
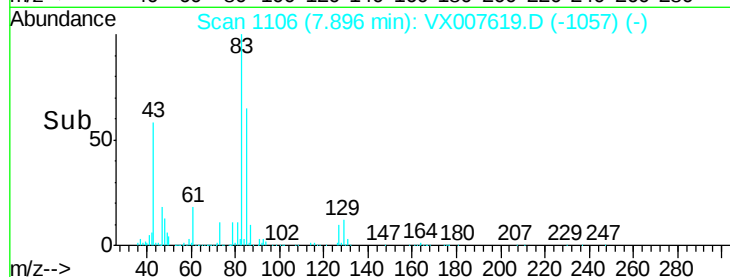
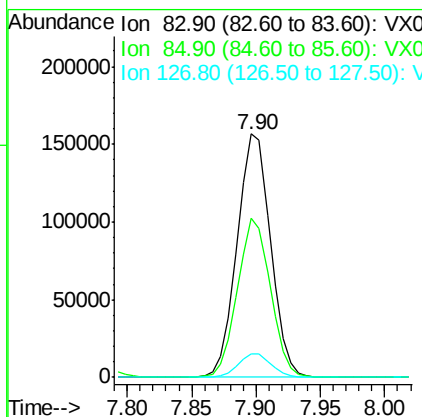
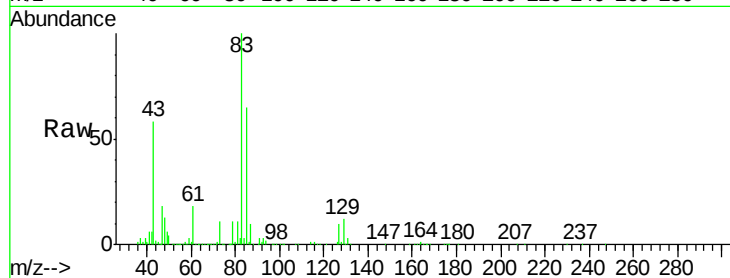
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	282508
Ion Ratio	Lower	Upper	
83	100		
85	65.2	51.4	77.0
127	9.9	8.1	12.1

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#48

Methyl methacrylate

Concen: 51.316 ug/l

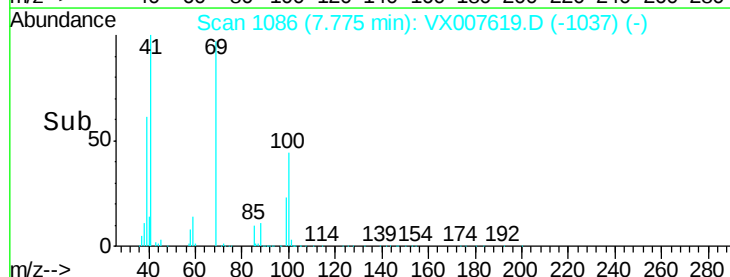
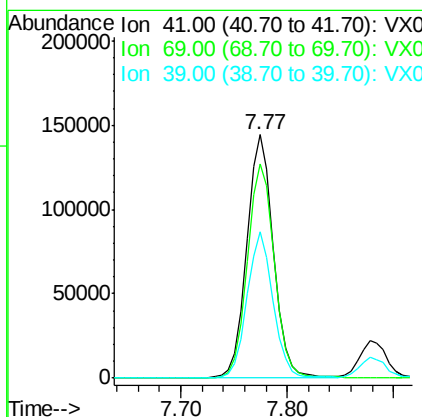
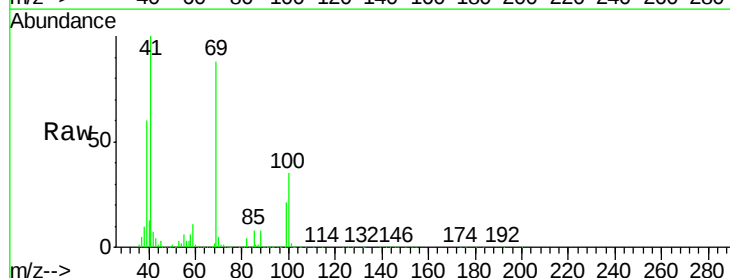
RT: 7.77 min Scan# 1086

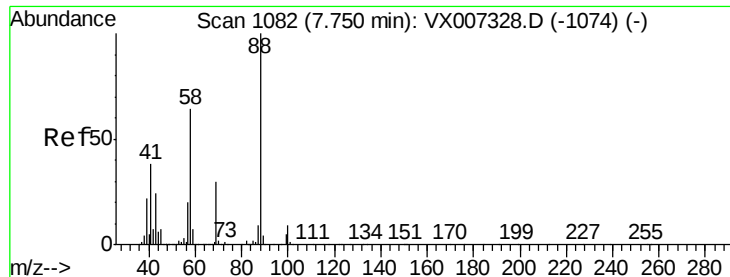
Delta R.T. 0.00 min

Lab File: VX007619.D

Acq: 19 Feb 2019 17:50

Tgt Ion:	41	Resp:	252074
Ion Ratio	Lower	Upper	
41	100		
69	90.1	70.2	105.4
39	58.6	47.4	71.0





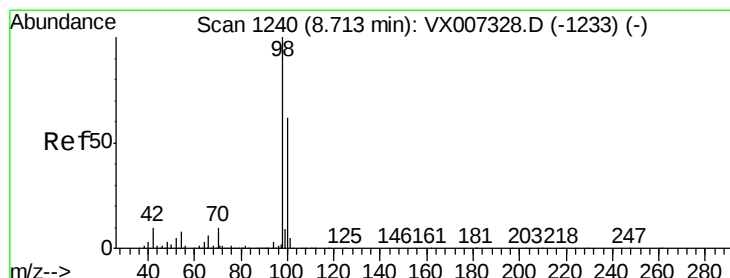
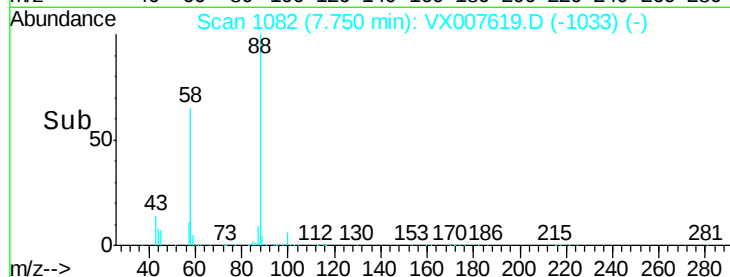
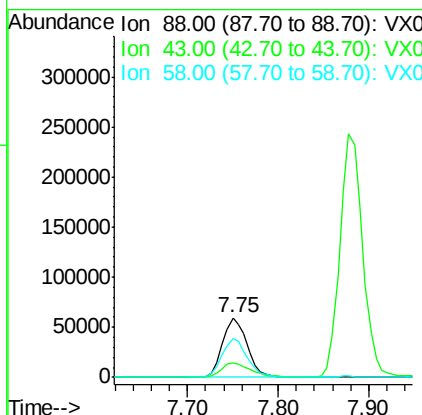
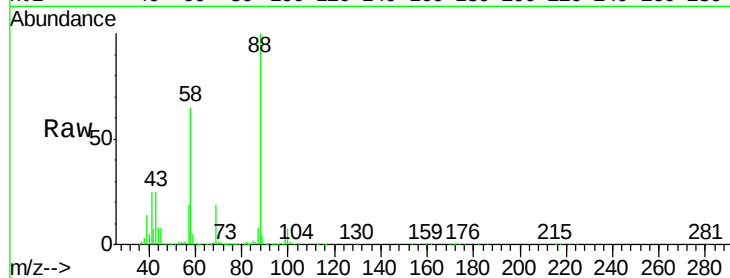
#49
1,4-Dioxane
Concen: 1012.563 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. 0.00 min
Lab File: VX007619.D
Acq: 19 Feb 2019 17:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.4	24.2	36.4
58	67.0	53.0	79.4

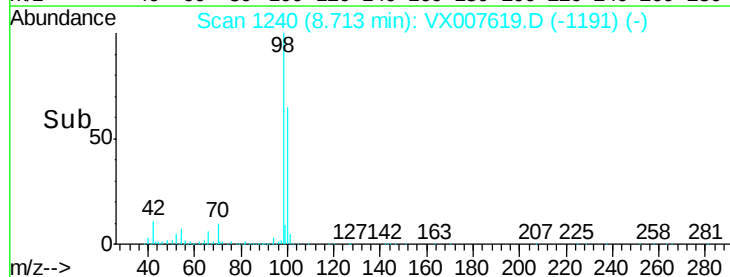
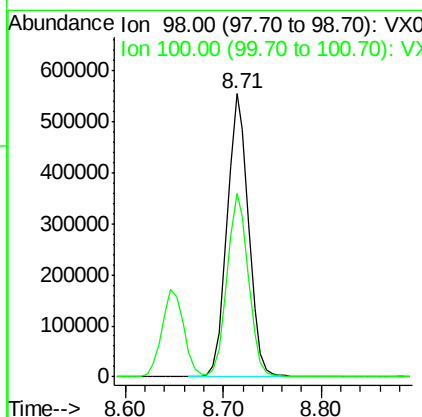
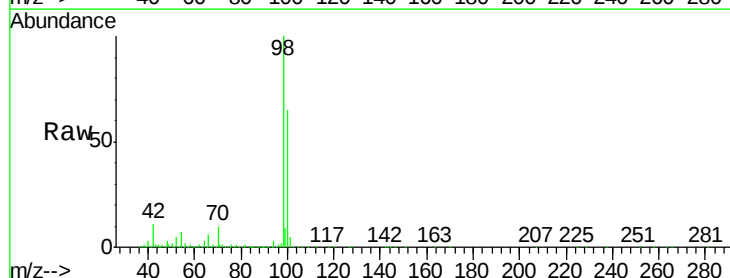
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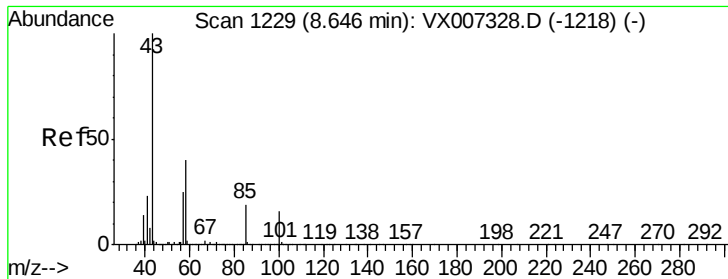
MMDadoda
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#50
Toluene-d8
Concen: 49.828 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX007619.D
Acq: 19 Feb 2019 17:50

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 254.318 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VX007619.D

Acq: 19 Feb 2019 17:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1644137

Ion Ratio Lower Upper

43 100

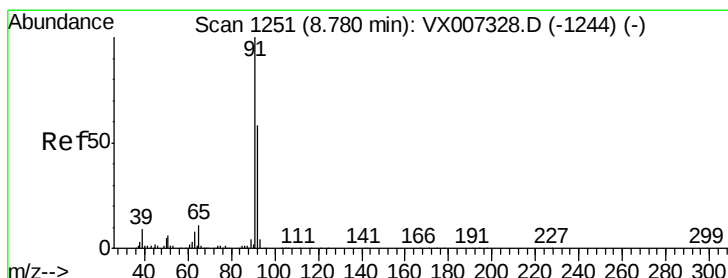
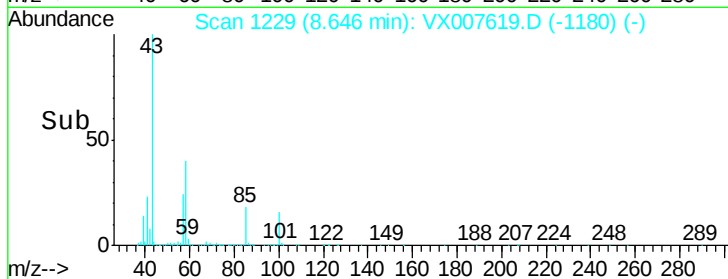
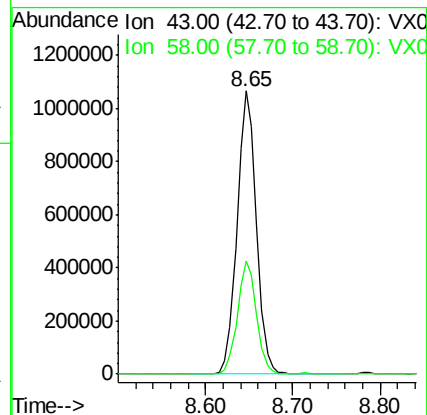
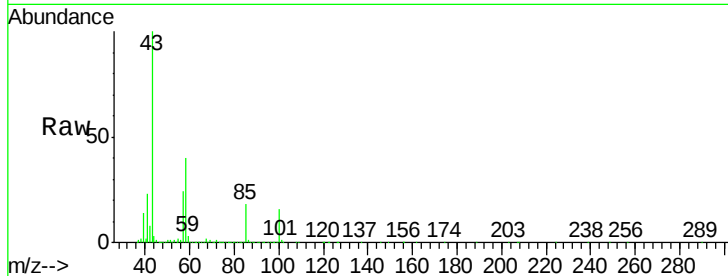
58 39.4 31.2 46.8

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#52

Toluene

Concen: 46.487 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.01 min

Lab File: VX007619.D

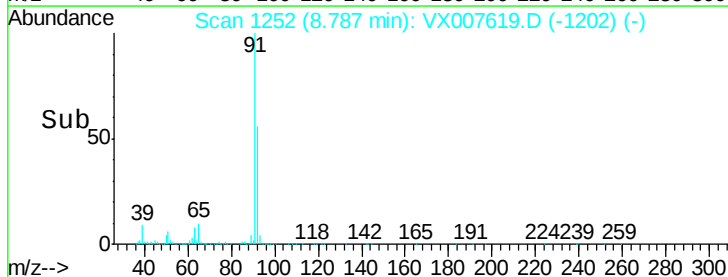
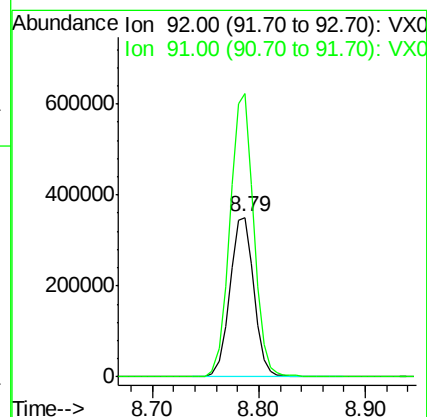
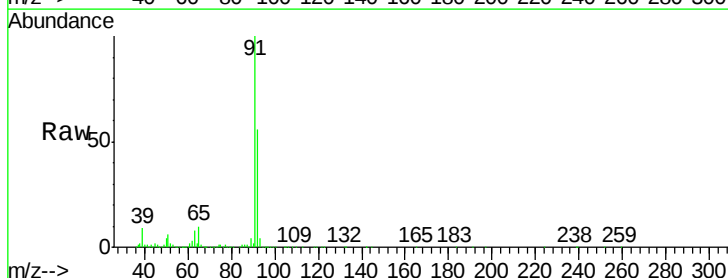
Acq: 19 Feb 2019 17:50

Tgt Ion: 92 Resp: 556073

Ion Ratio Lower Upper

92 100

91 175.1 139.1 208.7





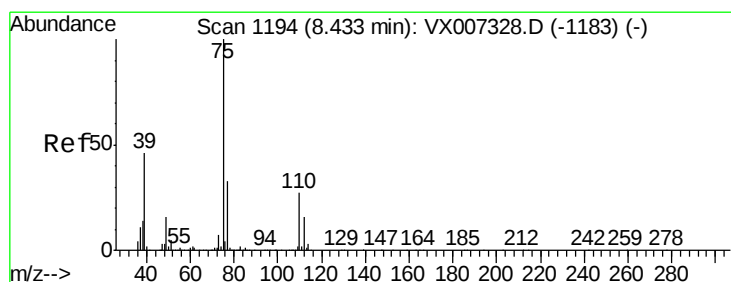
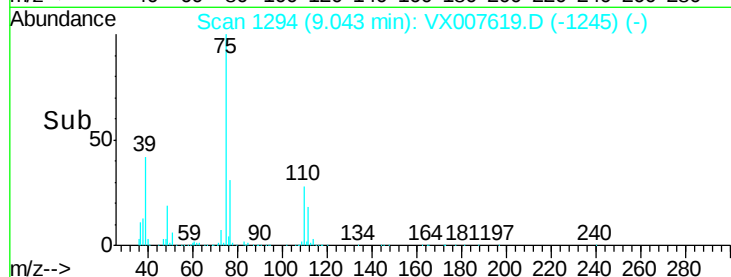
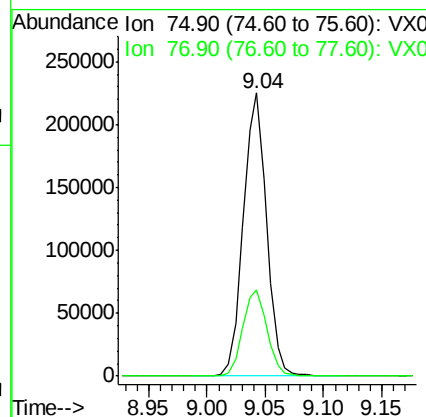
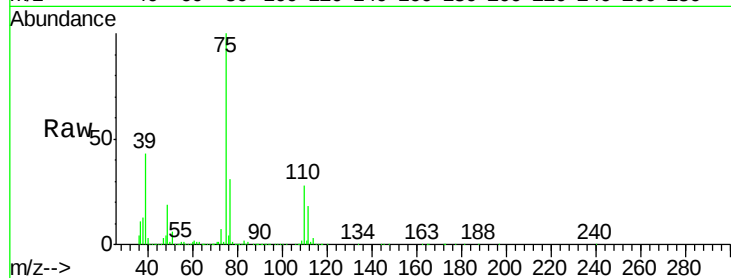
#53
t-1,3-Dichloropropene
Concen: 51.070 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX007619.D
Acq: 19 Feb 2019 17:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.5	25.2	37.8

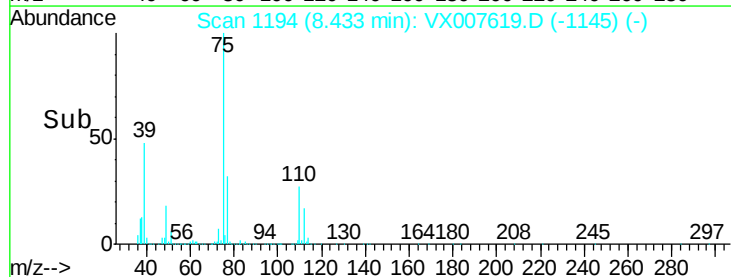
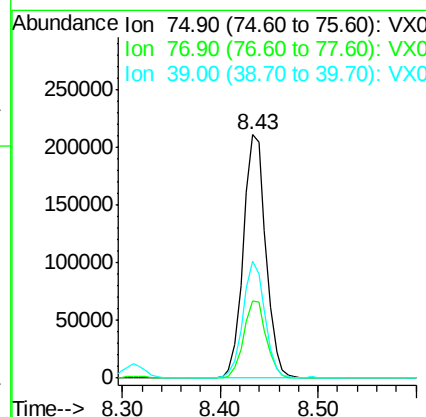
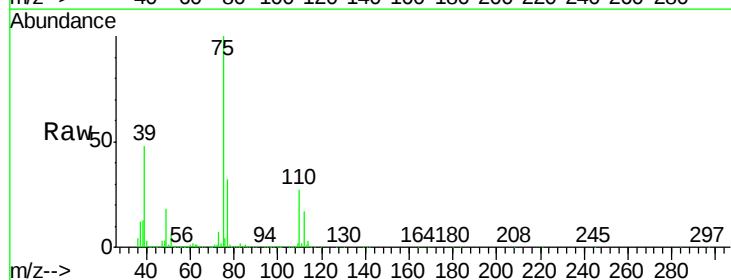
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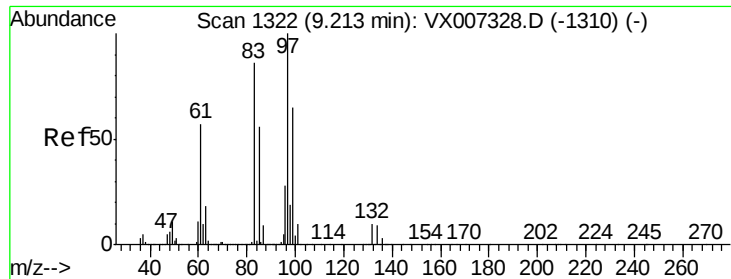
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 49.760 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX007619.D
Acq: 19 Feb 2019 17:50

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.8	26.2	39.4
39	48.1	37.1	55.7





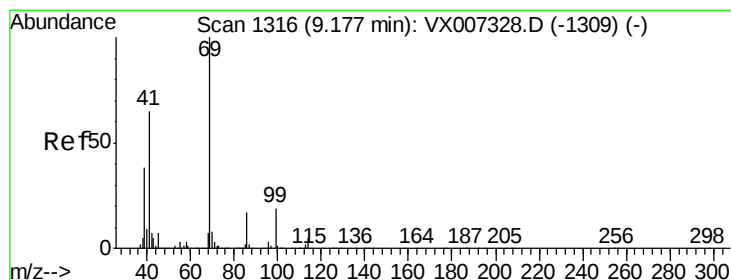
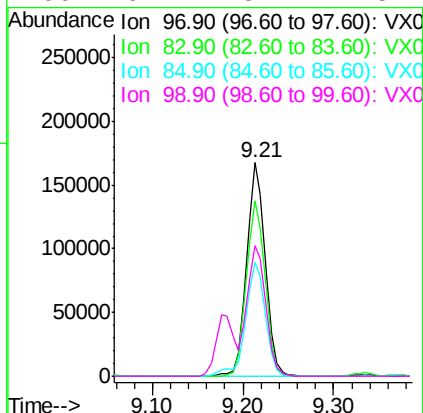
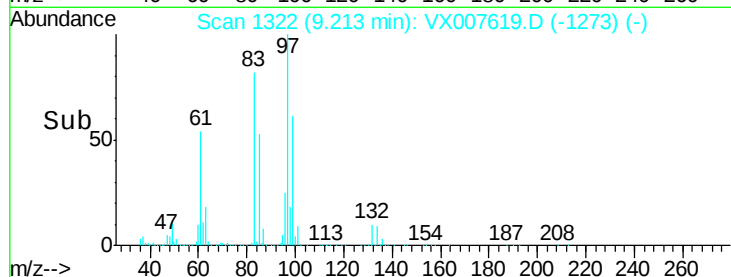
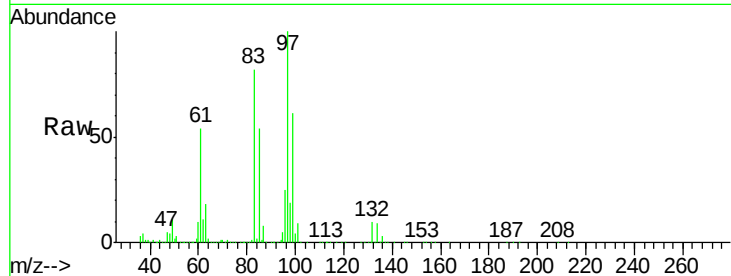
#55
1,1,2-Trichloroethane
Concen: 47.649 ug/l
RT: 9.21 min Scan# 1322
Delta R.T. 0.00 min
Lab File: VX007619.D
Acq: 19 Feb 2019 17:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		237590		
83	82.2	68.6	102.8		
85	53.6	44.5	66.7		
99	61.4	52.2	78.4		

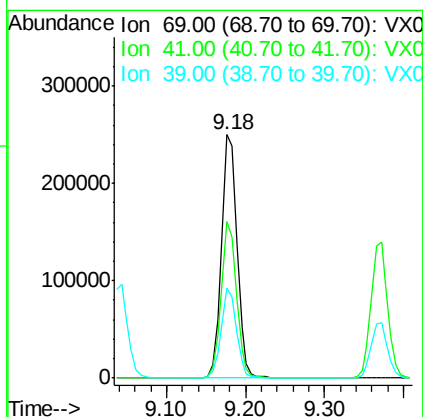
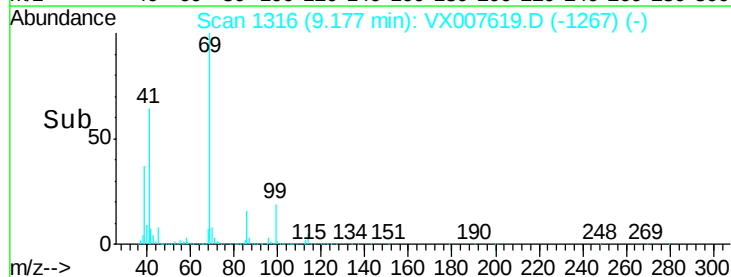
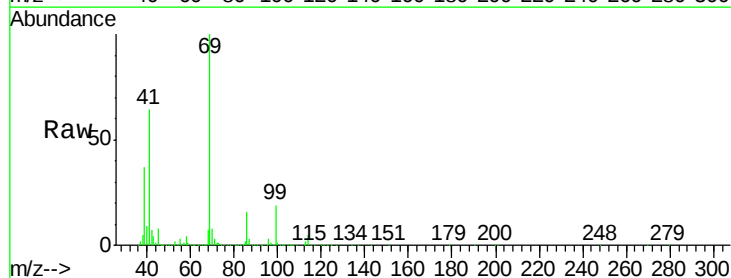
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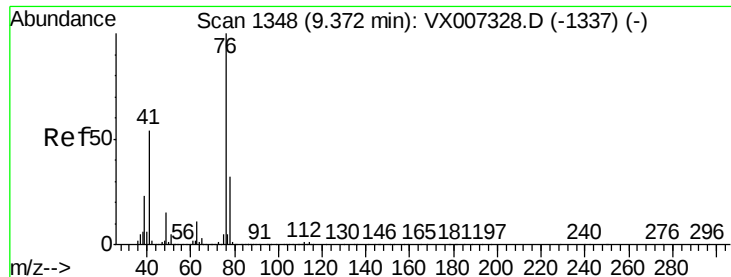
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#56
Ethyl methacrylate
Concen: 50.315 ug/l
RT: 9.18 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VX007619.D
Acq: 19 Feb 2019 17:50

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		347477		
41	62.7	52.1	78.1		
39	36.1	30.1	45.1		





#57

1,3-Dichloropropane

Concen: 47.142 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX007619.D

Acq: 19 Feb 2019 17:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 373817

Ion Ratio Lower Upper

76 100

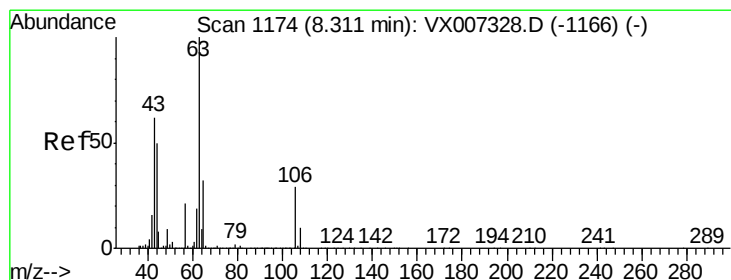
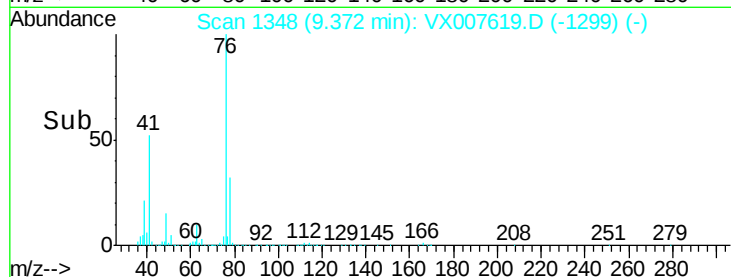
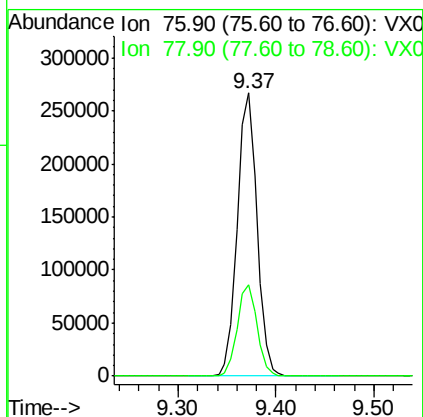
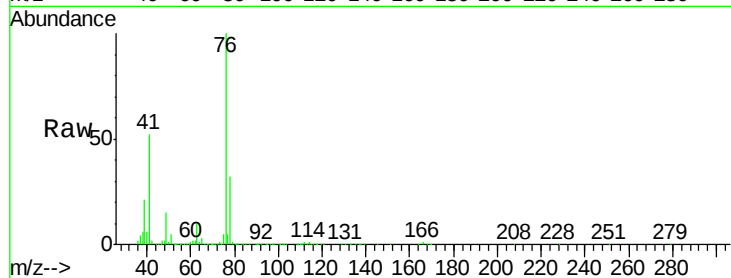
78 32.5 25.8 38.8

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#58

2-Chloroethyl Vinyl ether

Concen: 258.555 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX007619.D

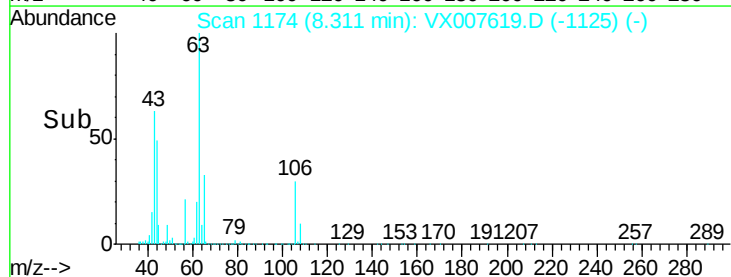
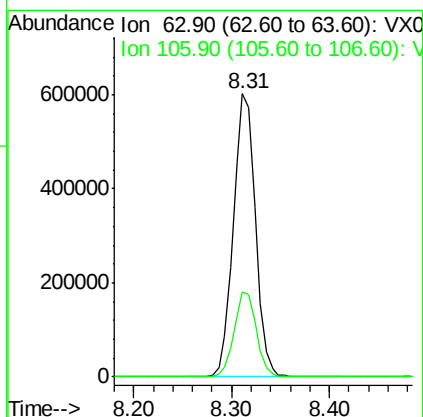
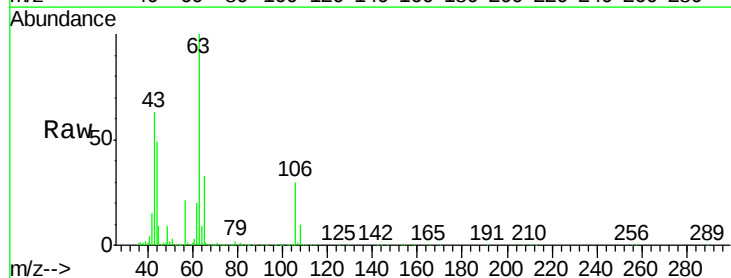
Acq: 19 Feb 2019 17:50

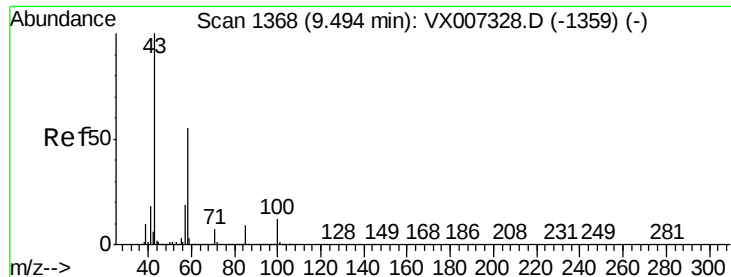
Tgt Ion: 63 Resp: 941148

Ion Ratio Lower Upper

63 100

106 30.5 23.6 35.4





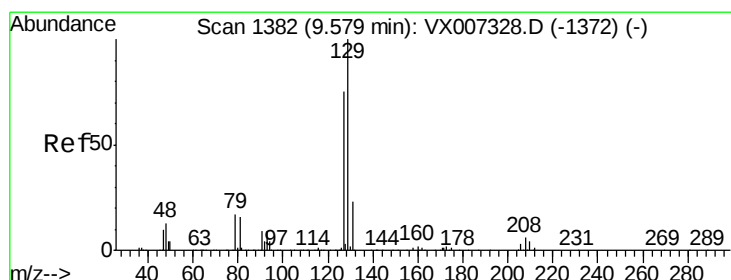
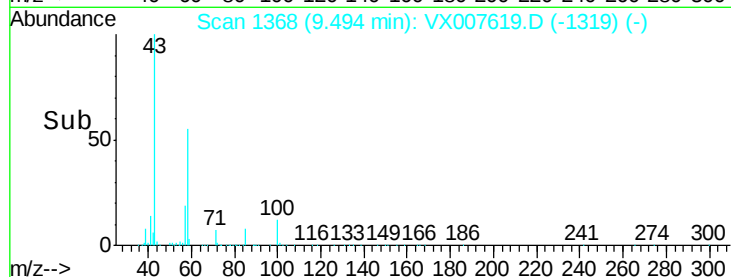
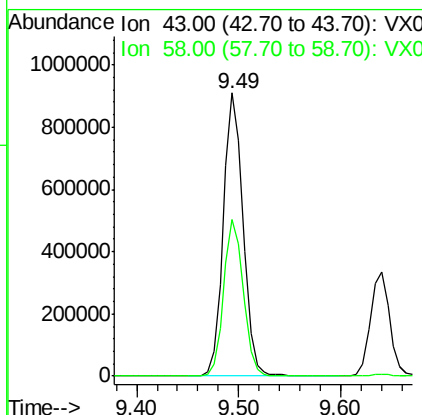
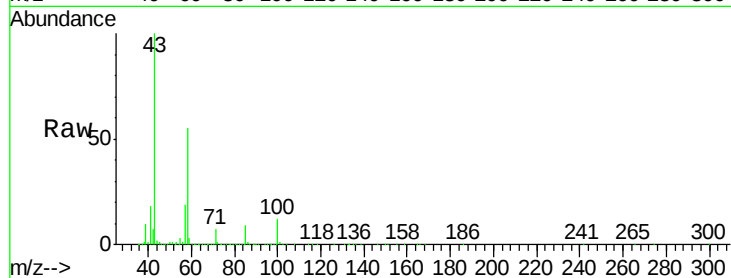
#59
2-Hexanone
Concen: 243.171 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX007619.D
Acq: 19 Feb 2019 17:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1223332
Ion Ratio Lower Upper
43 100
58 55.0 27.1 81.3

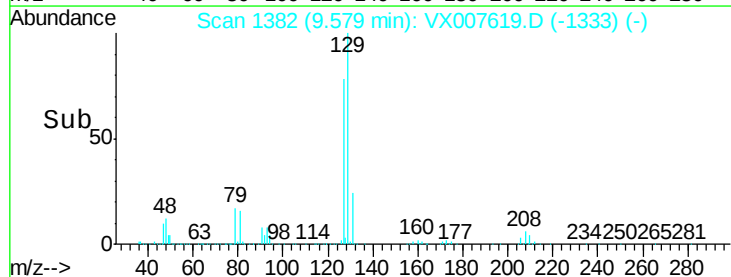
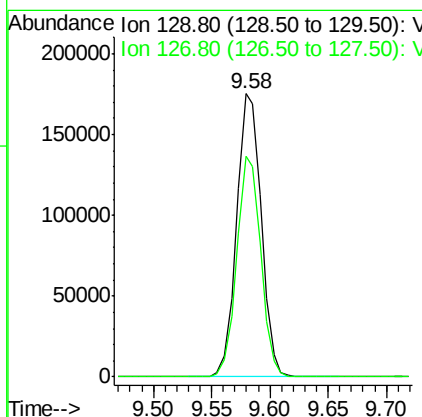
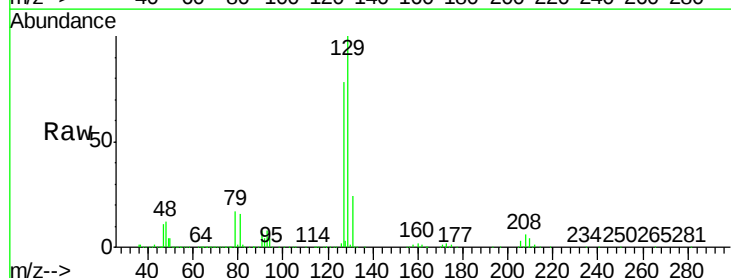
Manual Integrations
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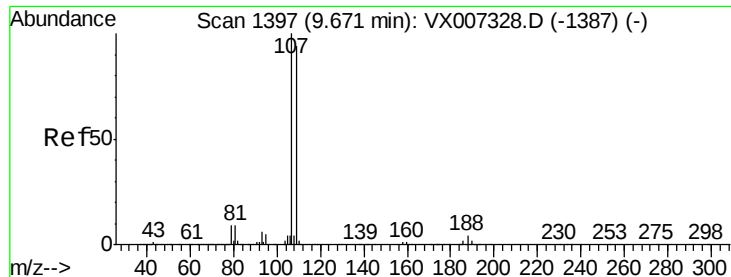
MMDadoda
2/20/2019 10:35:14 AM



#60
Dibromochloromethane
Concen: 54.892 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX007619.D
Acq: 19 Feb 2019 17:50

Tgt Ion: 129 Resp: 258860
Ion Ratio Lower Upper
129 100
127 76.1 37.8 113.4





#61

1,2-Dibromoethane

Concen: 47.460 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX007619.D

Acq: 19 Feb 2019 17:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 250611

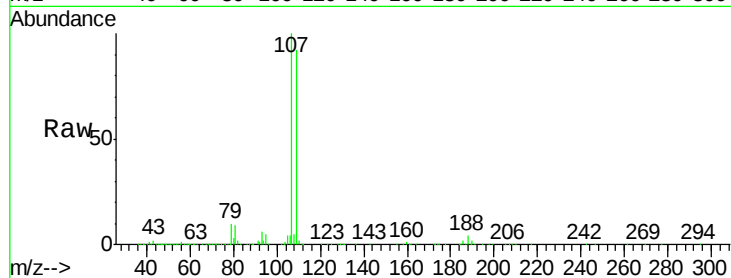
Ion Ratio Lower Upper

107 100

109 95.0 75.1 112.7

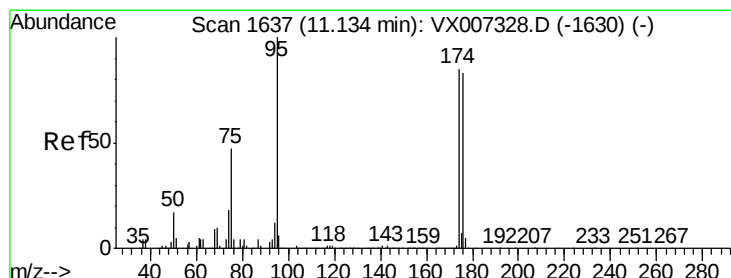
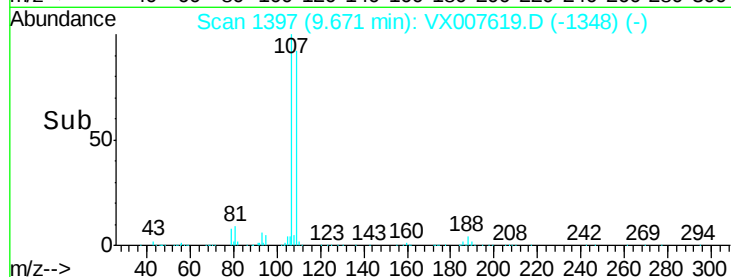
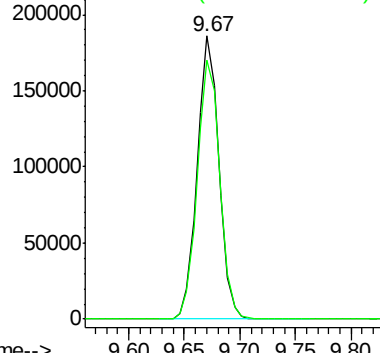
Manual Integrations
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.113 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007619.D

Acq: 19 Feb 2019 17:50

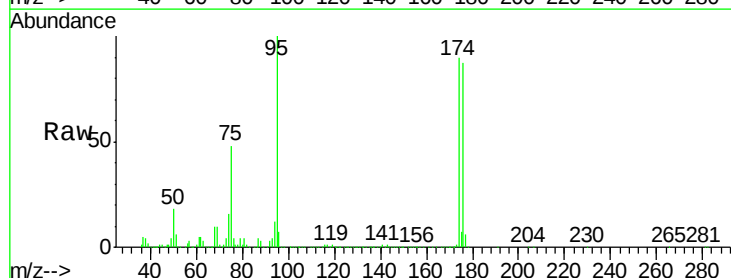
Tgt Ion: 95 Resp: 303654

Ion Ratio Lower Upper

95 100

174 96.6 0.0 189.2

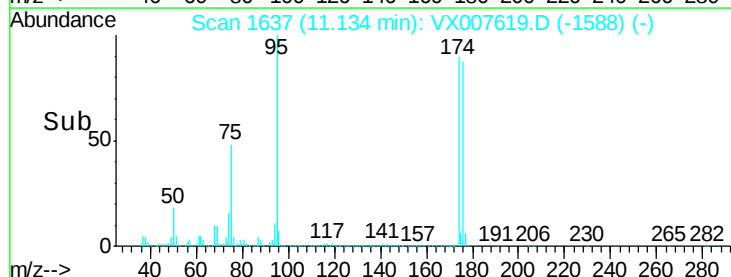
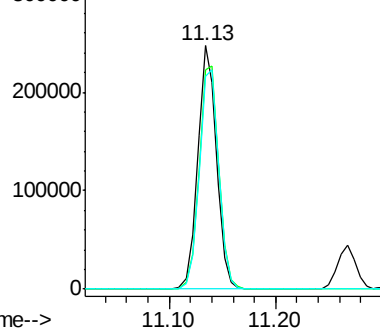
176 94.4 0.0 186.2

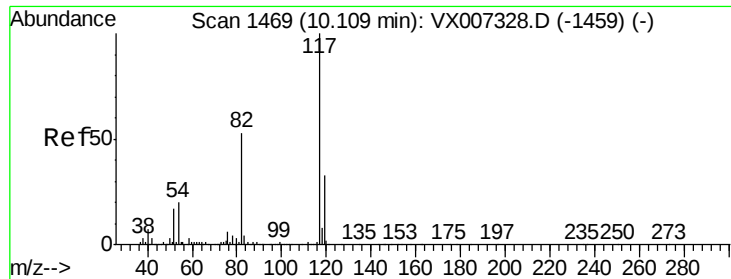


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





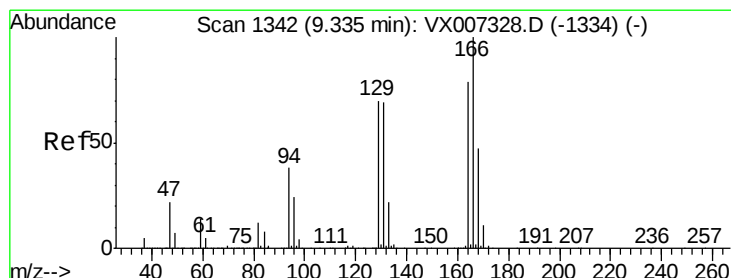
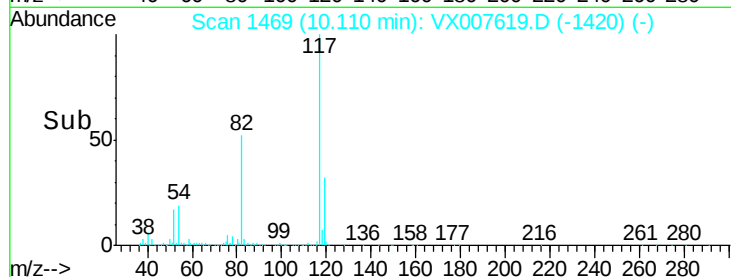
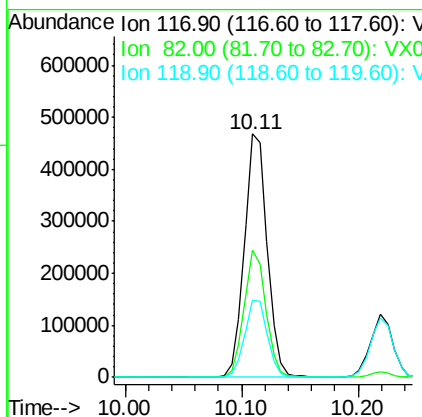
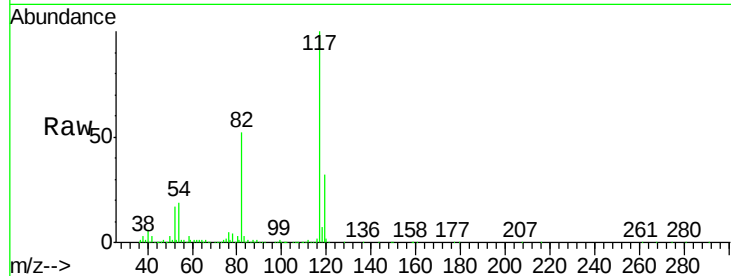
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX007619.D
Acq: 19 Feb 2019 17:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.0	42.1	63.1
119	31.8	26.5	39.7

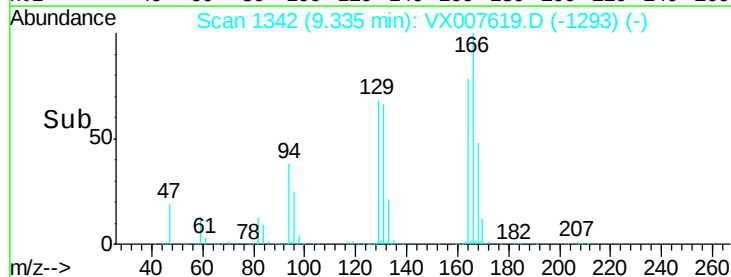
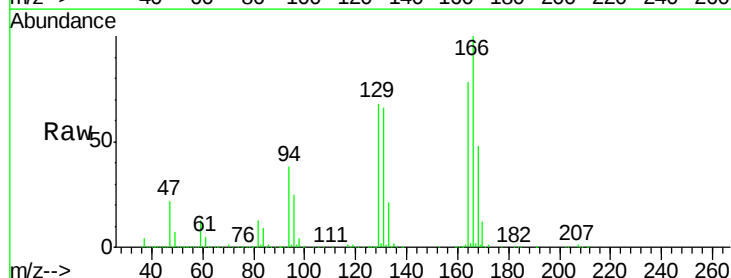
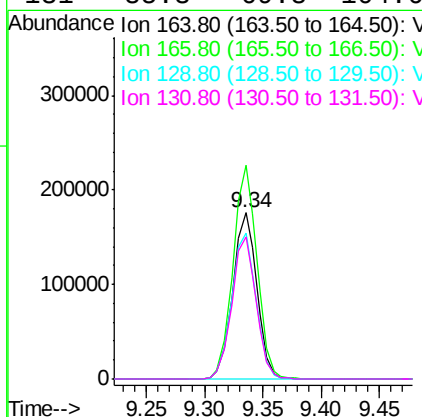
Manual Integrations
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#64
Tetrachloroethene
Concen: 41.732 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX007619.D
Acq: 19 Feb 2019 17:50

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.7	101.0	151.4
129	88.1	70.5	105.7
131	85.3	69.8	104.6





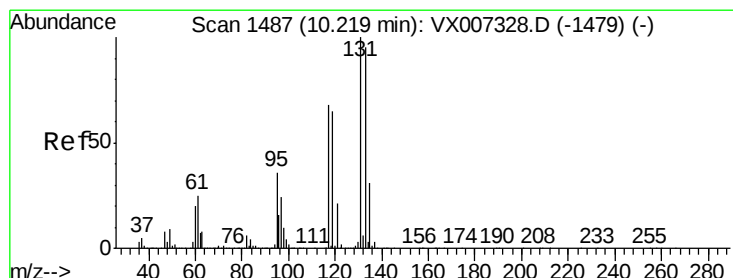
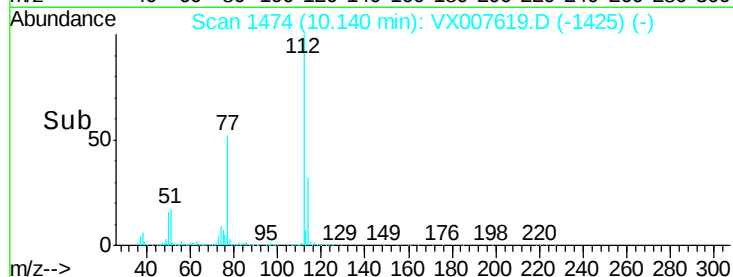
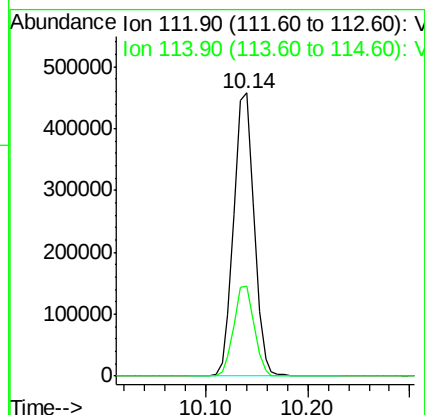
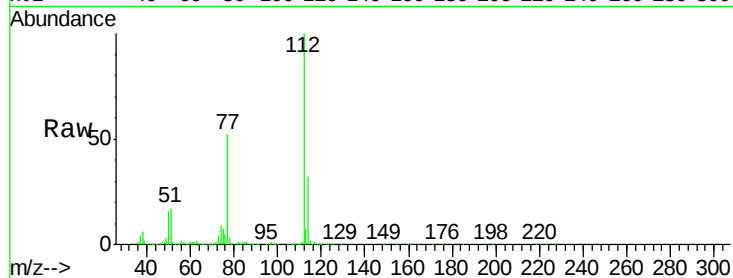
#65
Chlorobenzene
Concen: 44.956 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX007619.D
Acq: 19 Feb 2019 17:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 630636
Ion Ratio Lower Upper
112 100
114 31.9 25.8 38.6

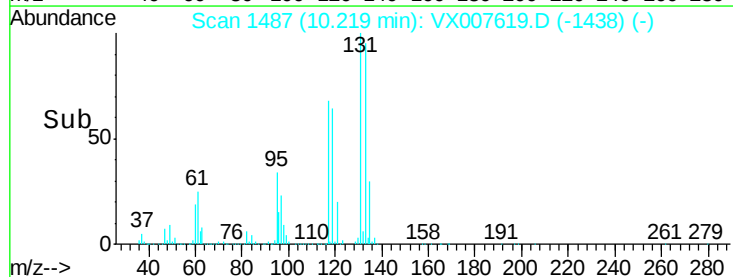
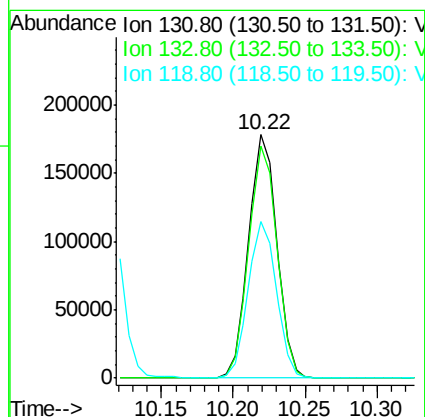
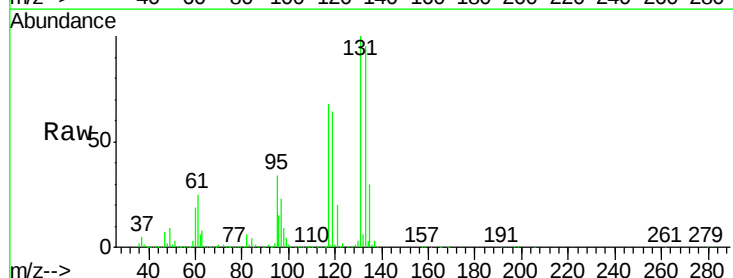
Manual Integrations
APPROVED

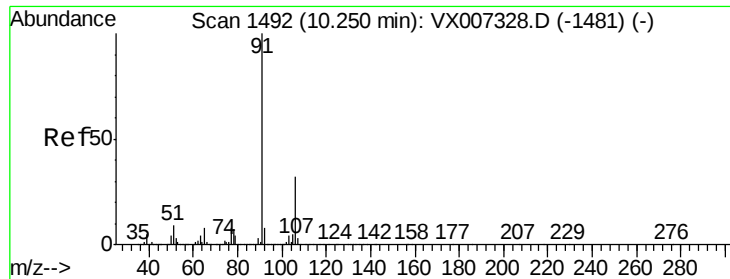
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.526 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX007619.D
Acq: 19 Feb 2019 17:50

Tgt Ion:131 Resp: 242334
Ion Ratio Lower Upper
131 100
133 95.4 48.0 144.2
119 64.4 32.0 96.0





#67

Ethyl Benzene

Concen: 47.449 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX007619.D

Acq: 19 Feb 2019 17:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1071880

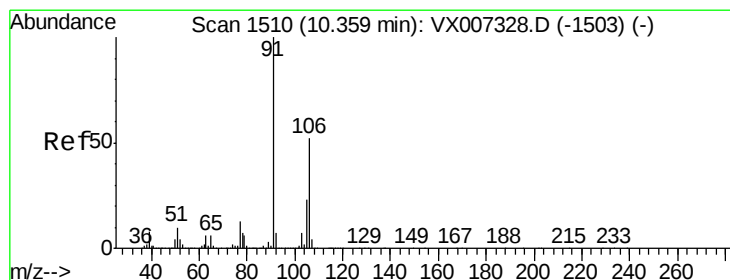
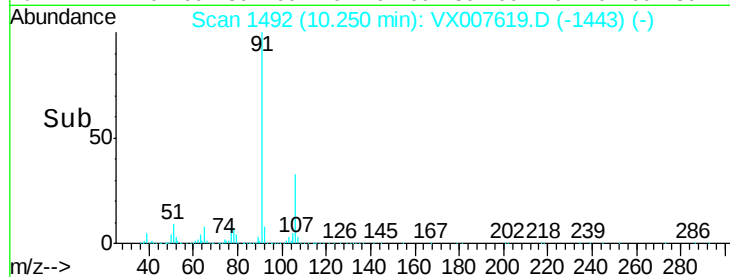
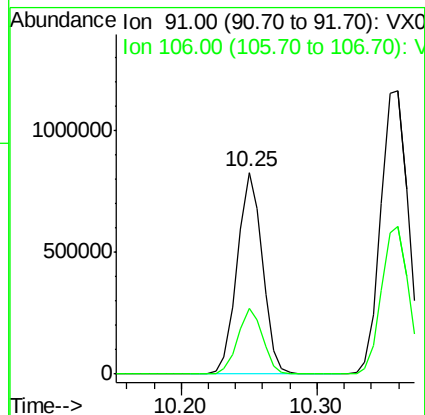
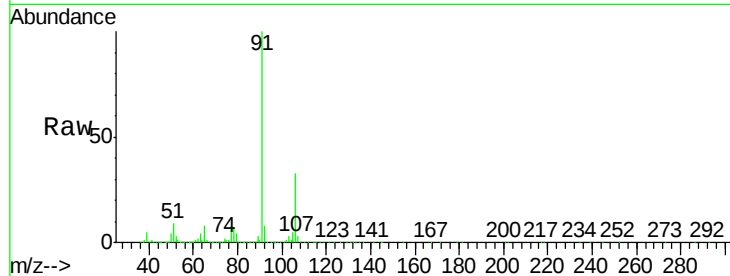
Ion Ratio Lower Upper

91 100

106 32.8 25.4 38.0

Manual Integrations
APPROVED

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#68

m/p-Xylenes

Concen: 93.670 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX007619.D

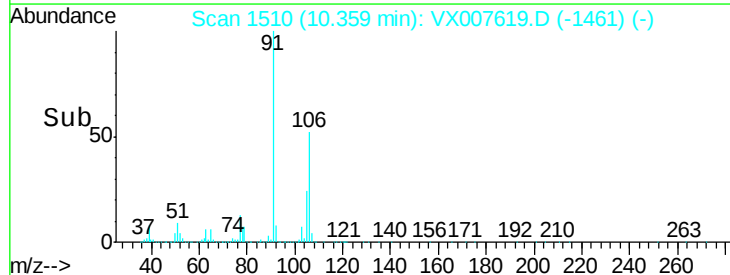
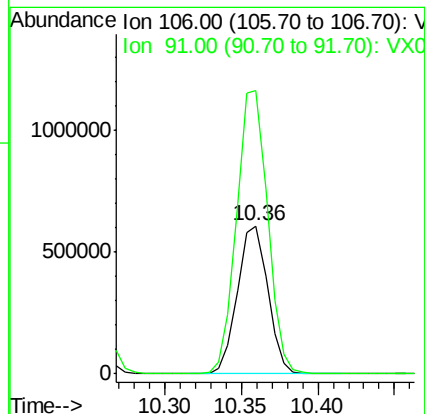
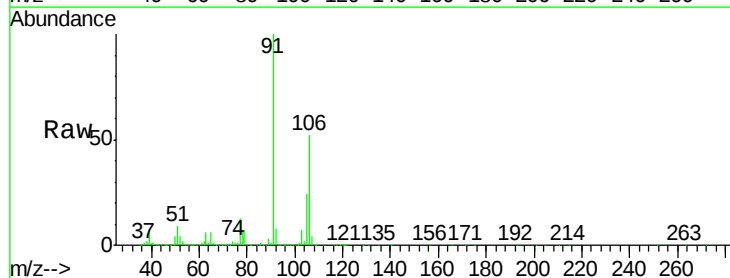
Acq: 19 Feb 2019 17:50

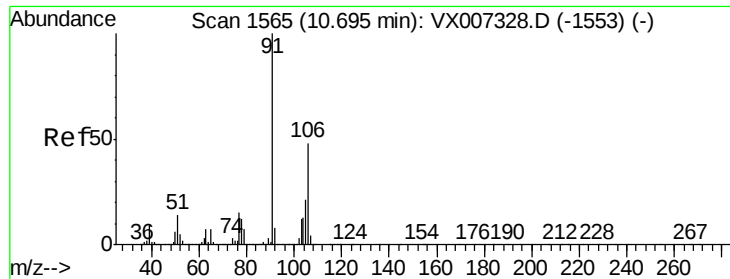
Tgt Ion: 106 Resp: 841143

Ion Ratio Lower Upper

106 100

91 195.5 156.6 234.8





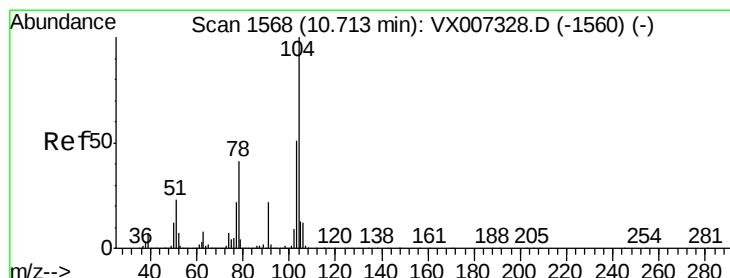
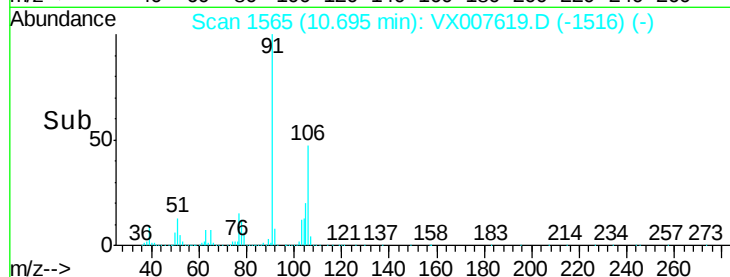
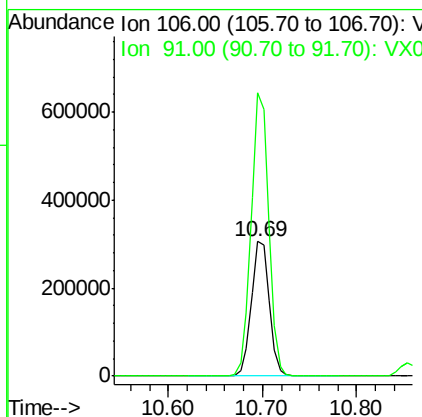
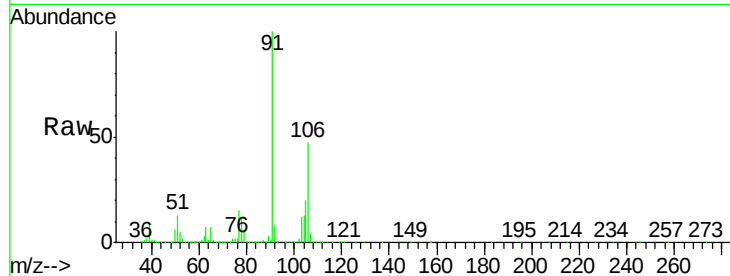
#69
o-Xylene
Concen: 47.530 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX007619.D
Acq: 19 Feb 2019 17:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	206.0	102.9	308.7	

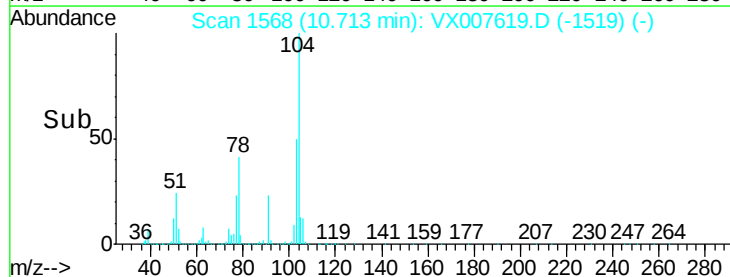
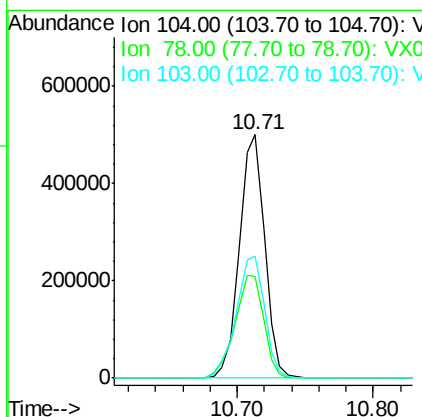
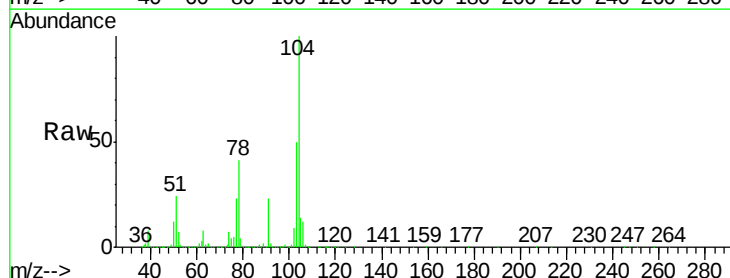
Manual Integrations
APPROVED

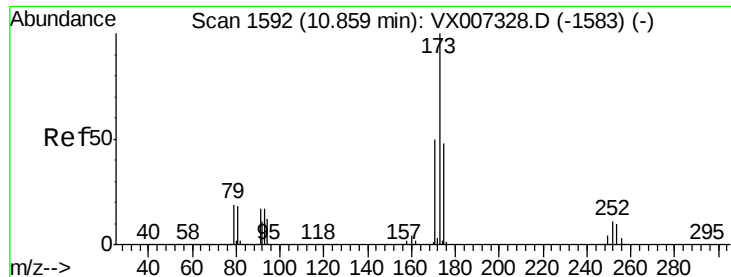
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#70
Styrene
Concen: 46.441 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX007619.D
Acq: 19 Feb 2019 17:50

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	48.0	38.3	57.5	
103	56.2	44.6	67.0	





#71

Bromoform

Concen: 48.255 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX007619.D

Acq: 19 Feb 2019 17:50

Instrument :

MSVOA_X

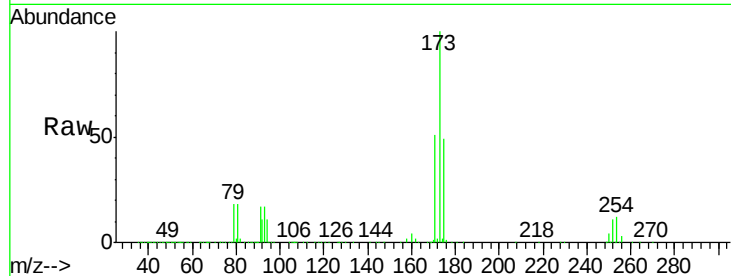
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.2	72.6
254	0.1	0.2	0.2

Manual Integrations
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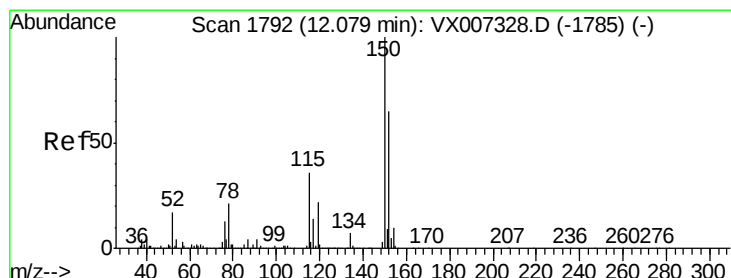
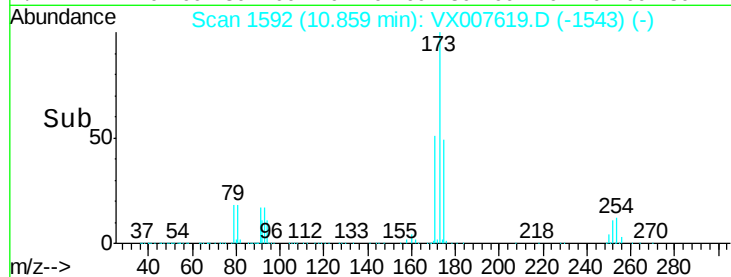
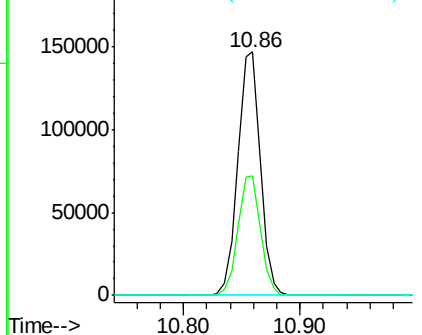


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

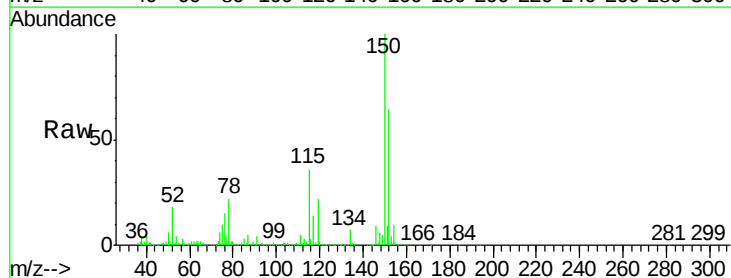
RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX007619.D

Acq: 19 Feb 2019 17:50

Tgt Ion	Ratio	Lower	Upper
152	100		
115	77.7	38.0	114.0
150	171.6	0.0	346.4

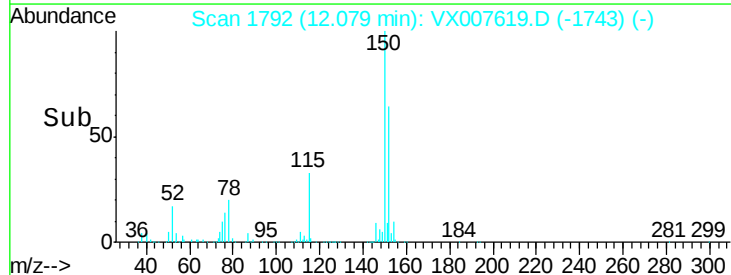
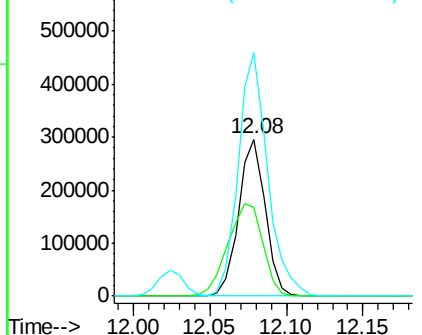


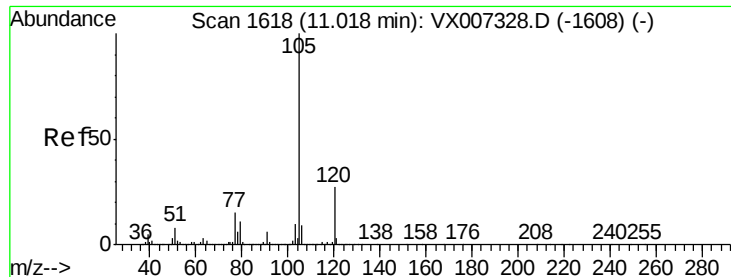
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 44.519 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX007619.D

Acq: 19 Feb 2019 17:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1076225

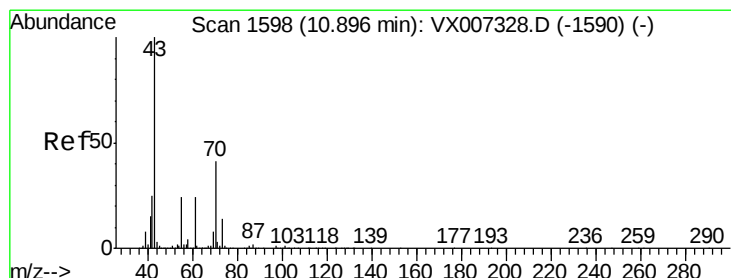
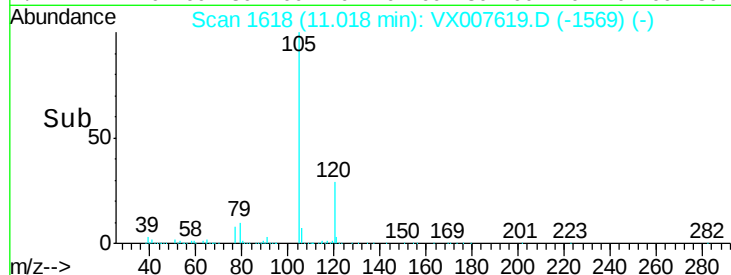
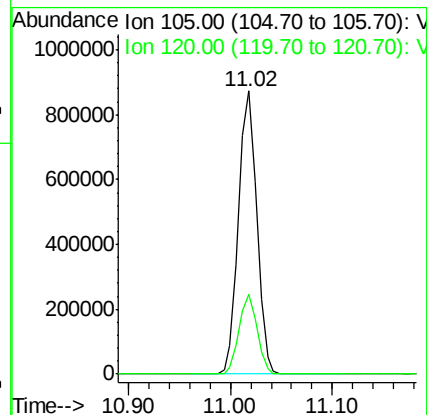
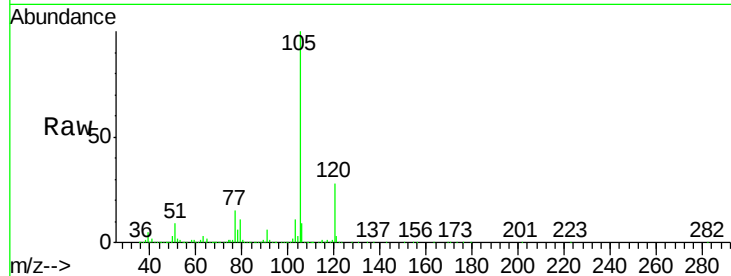
Ion Ratio Lower Upper

105 100

120 27.7 13.6 40.7

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#74

N-ethyl acetate

Concen: 47.104 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX007619.D

Acq: 19 Feb 2019 17:50

Tgt Ion: 43 Resp: 440451

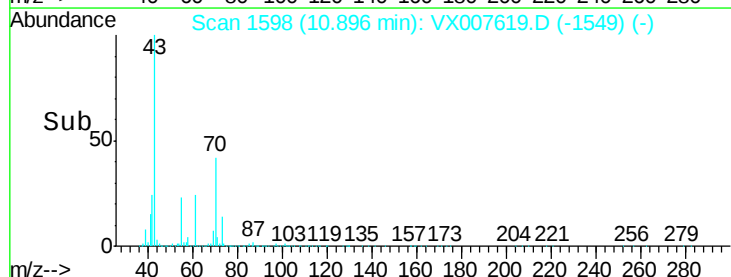
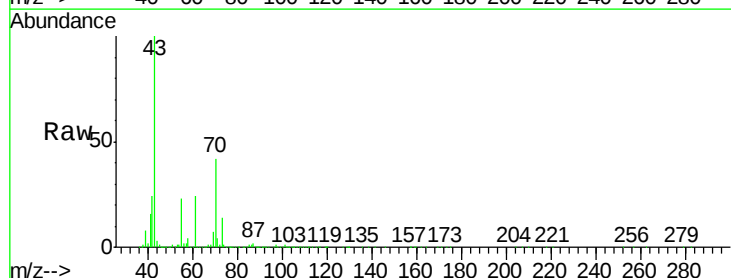
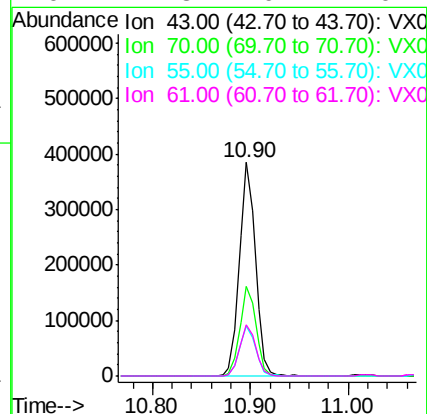
Ion Ratio Lower Upper

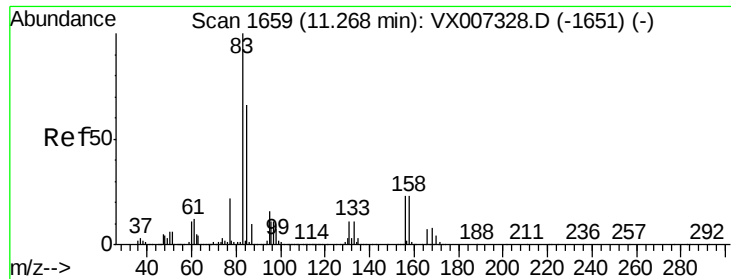
43 100

70 42.4 33.8 50.6

55 23.5 19.5 29.3

61 24.3 19.4 29.2





#75

1,1,2,2-Tetrachloroethane

Concen: 46.552 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX007619.D

Acq: 19 Feb 2019 17:50

Instrument :

MSVOA_X

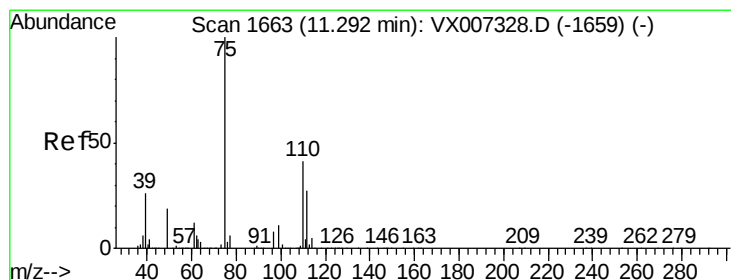
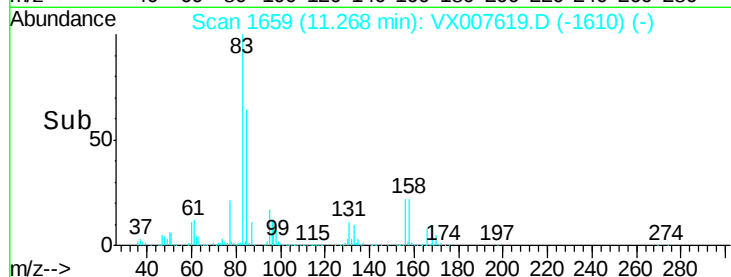
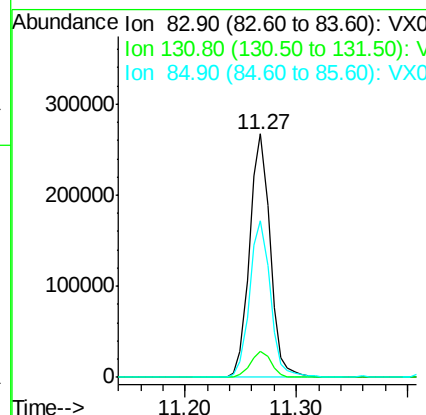
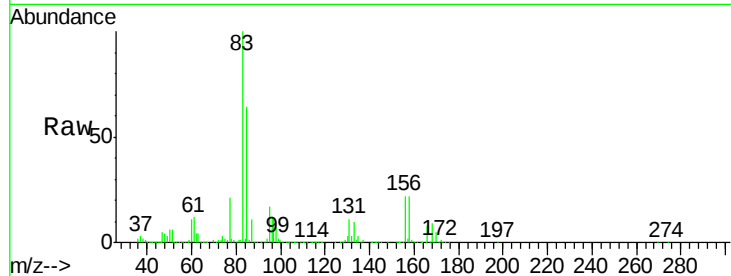
ClientSampled :

VSTDCCC050EC

Tot Ion:	83	Resp:	342975
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.7	17.0
85	64.7	32.8	98.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 41.628 ug/l m

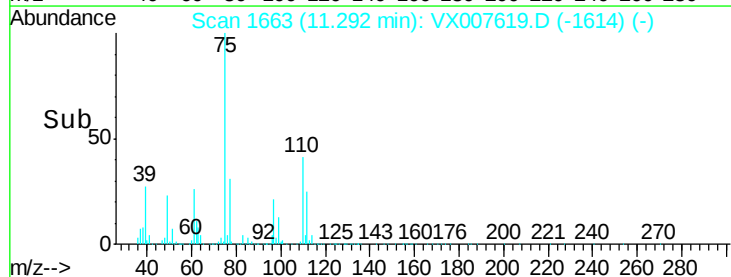
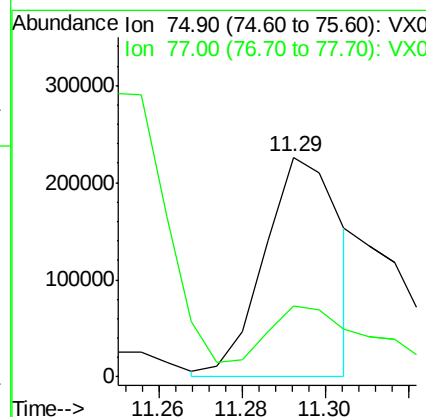
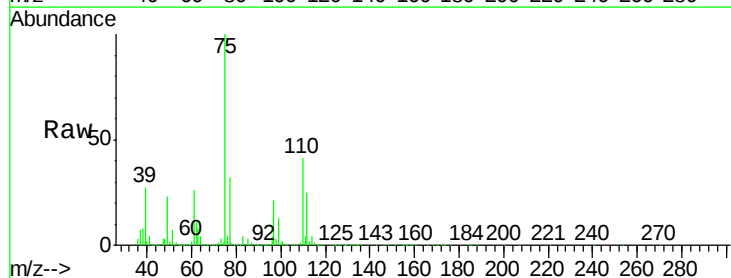
RT: 11.29 min Scan# 1663

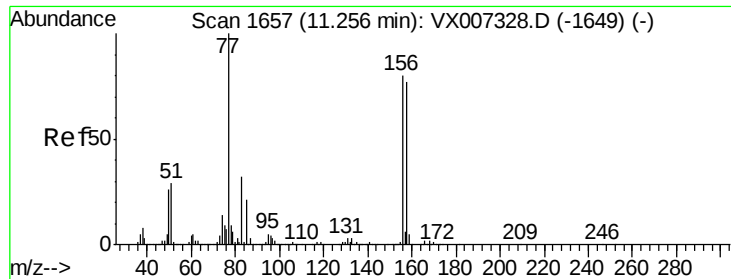
Delta R.T. 0.00 min

Lab File: VX007619.D

Acq: 19 Feb 2019 17:50

Tgt Ion:	75	Resp:	288053
Ion Ratio	Lower	Upper	
75	100		
77	46.1	23.0	69.0





#77

Bromobenzene

Concen: 43.175 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX007619.D

Acq: 19 Feb 2019 17:50

Instrument :

MSVOA_X

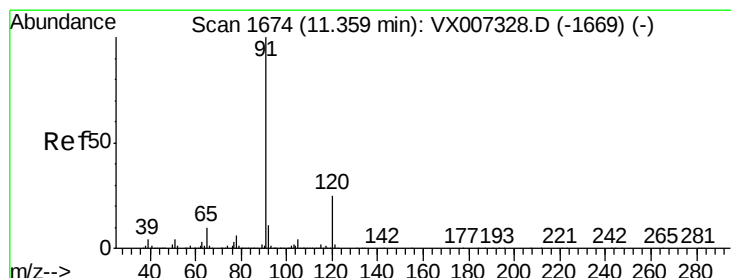
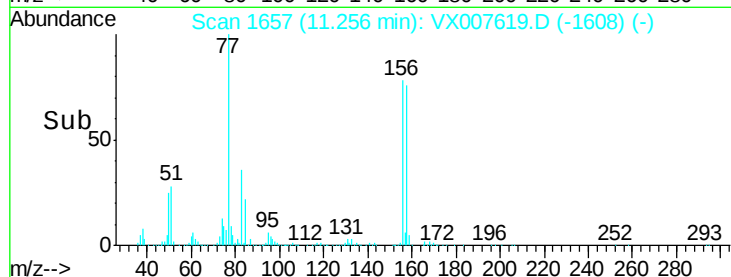
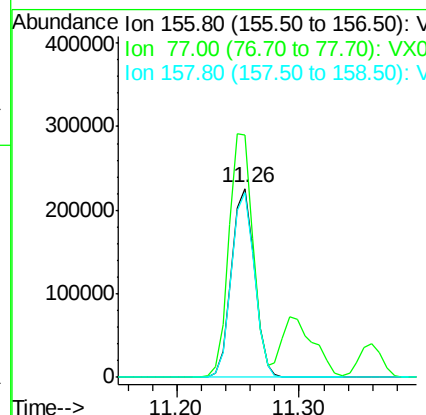
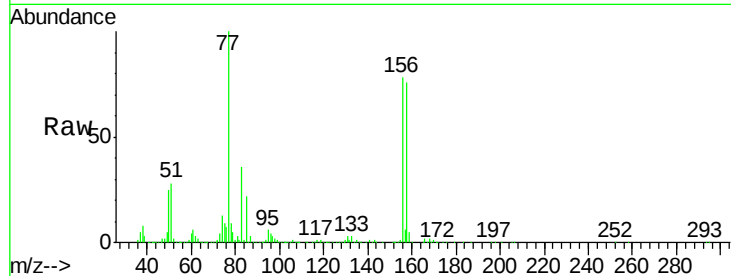
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	294082
Ion Ratio	Lower	Upper	
156	100		
77	134.0	66.8	200.6
158	98.0	47.9	143.8

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#78

n-propylbenzene

Concen: 49.222 ug/l

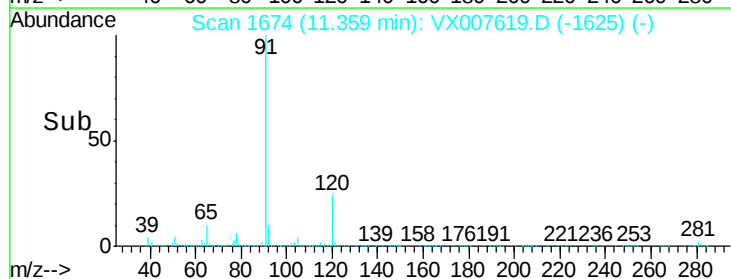
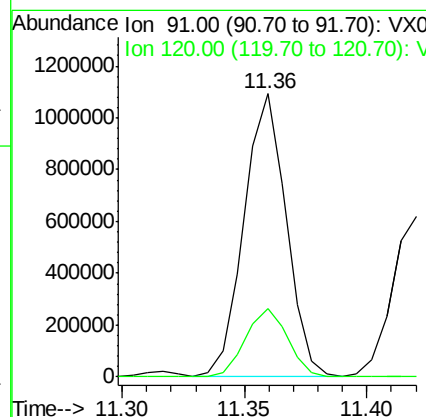
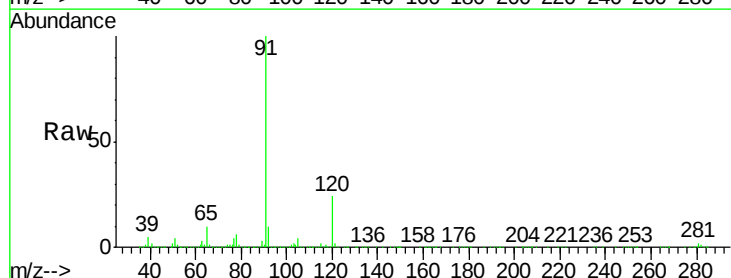
RT: 11.36 min Scan# 1674

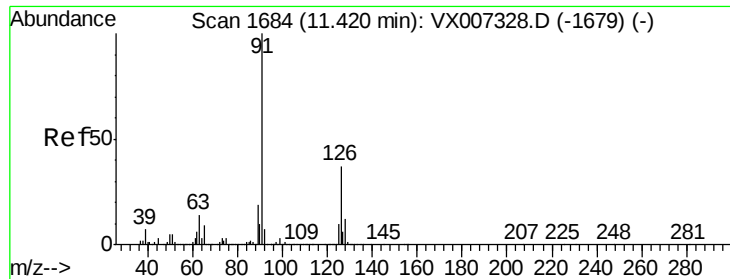
Delta R.T. 0.00 min

Lab File: VX007619.D

Acq: 19 Feb 2019 17:50

Tgt Ion:	91	Resp:	1304833
Ion Ratio	Lower	Upper	
91	100		
120	24.2	12.4	37.2





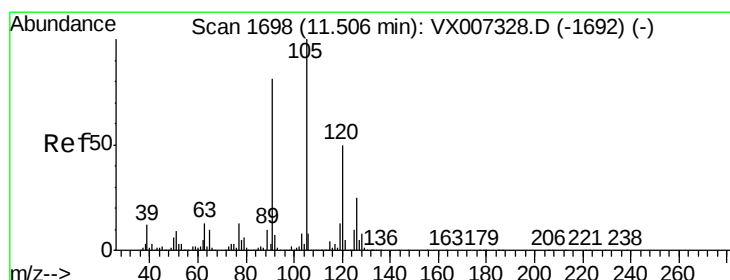
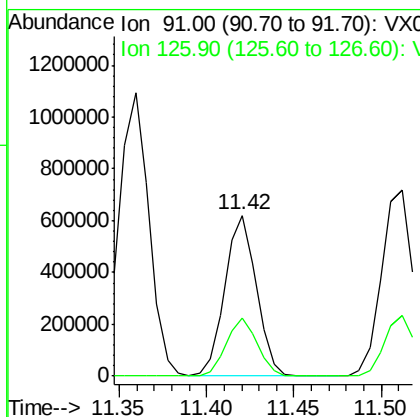
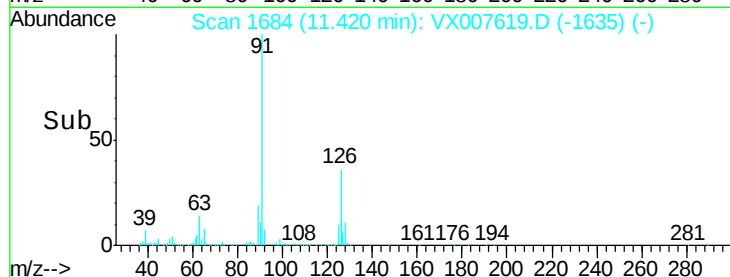
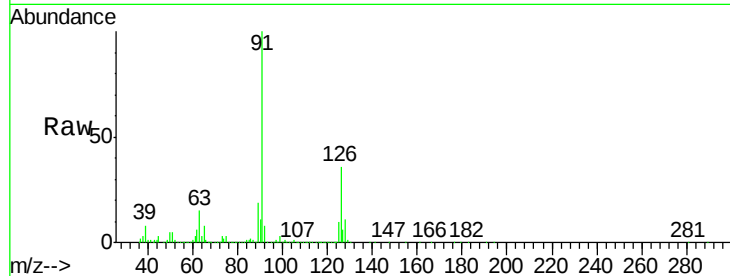
#79
2-Chlorotoluene
Concen: 48.097 ug/l
RT: 11.42 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VX007619.D
Acq: 19 Feb 2019 17:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 773651
Ion Ratio Lower Upper
91 100
126 35.9 18.7 56.1

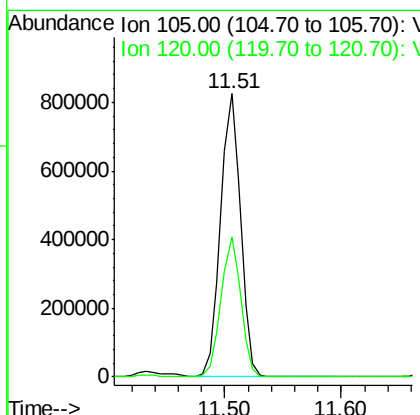
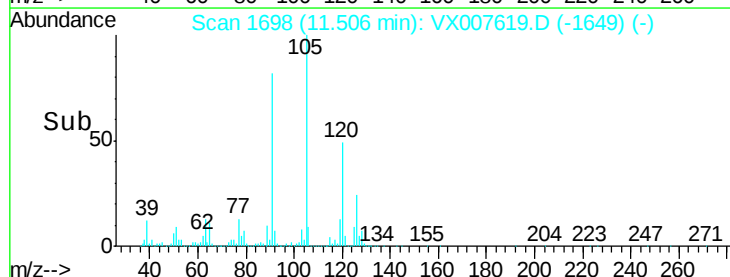
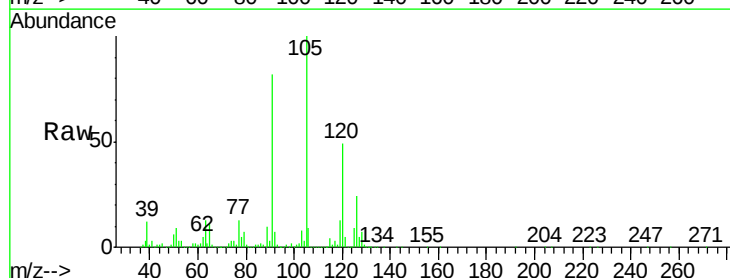
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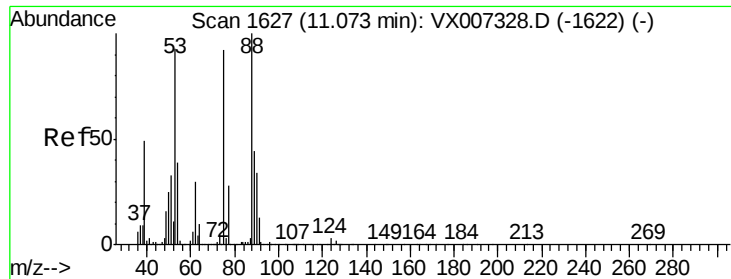
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 49.252 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX007619.D
Acq: 19 Feb 2019 17:50

Tgt Ion: 105 Resp: 974106
Ion Ratio Lower Upper
105 100
120 49.0 25.3 75.8





#81

trans-1,4-Dichloro-2-butene

Concen: 46.268 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX007619.D

Acq: 19 Feb 2019 17:50

Instrument :

MSVOA_X

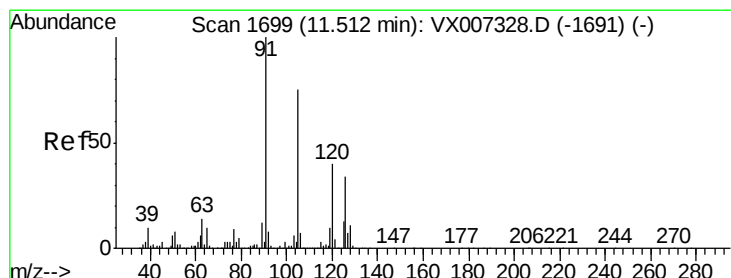
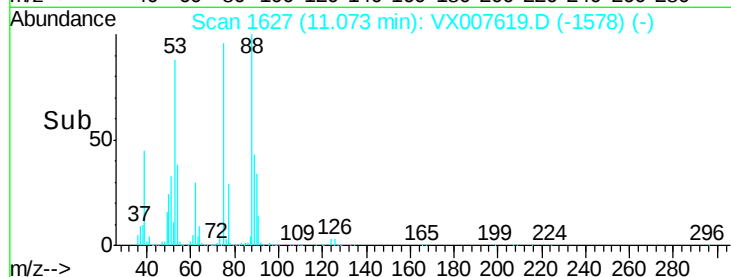
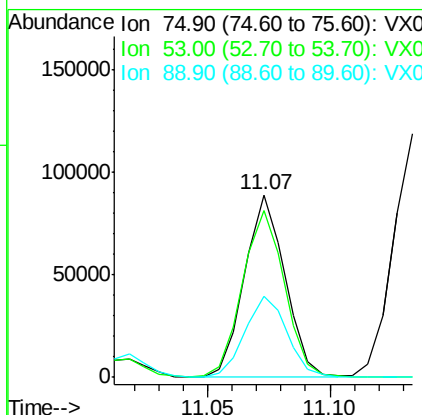
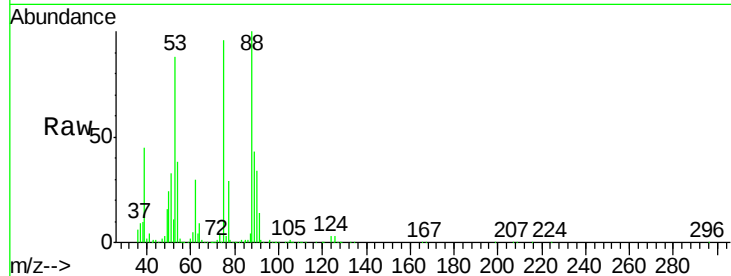
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	102810
Ion Ratio	Lower	Upper	
75	100		
53	94.4	81.0	121.6
89	46.6	41.4	62.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 48.362 ug/l

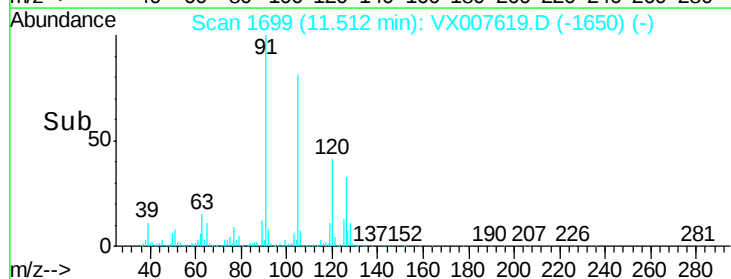
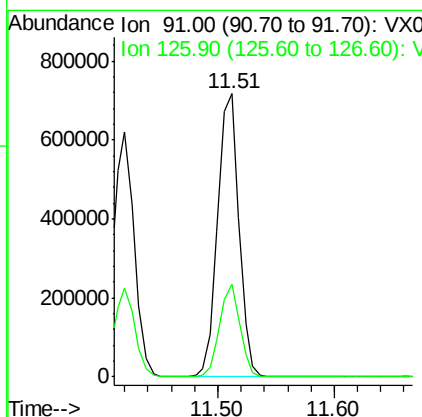
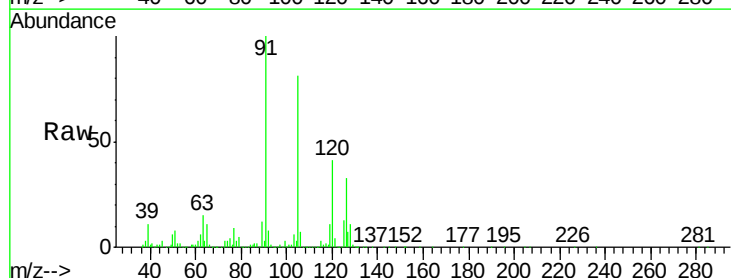
RT: 11.51 min Scan# 1699

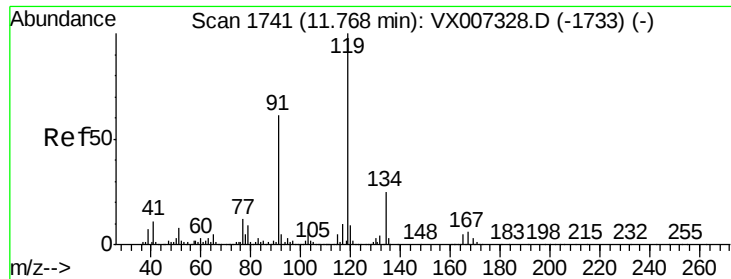
Delta R.T. 0.00 min

Lab File: VX007619.D

Acq: 19 Feb 2019 17:50

Tgt Ion:	91	Resp:	900135
Ion Ratio	Lower	Upper	
91	100		
126	31.6	16.2	48.5





#83

tert-Butylbenzene

Concen: 48.614 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX007619.D

Acq: 19 Feb 2019 17:50

Instrument :

MSVOA_X

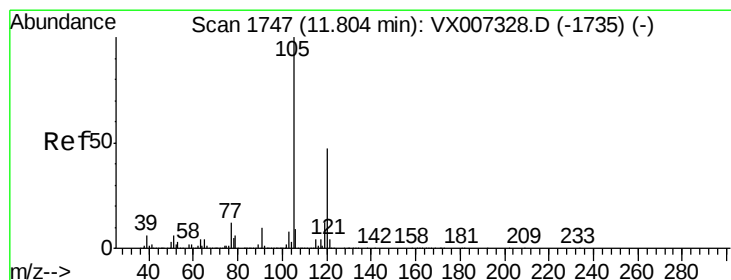
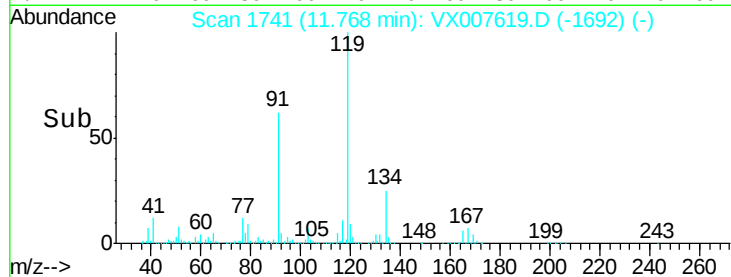
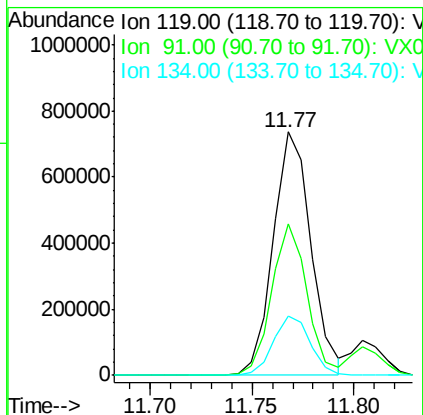
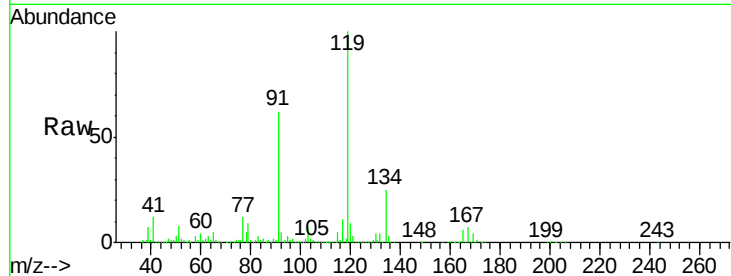
ClientSampleId :

VSTDCCC050EC

Tot Ion:	119	Resp:	951915
Ion Ratio	Lower	Upper	
119	100		
91	58.3	28.5	85.6
134	24.0	12.0	36.0

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#84

1,2,4-Trimethylbenzene

Concen: 49.551 ug/l

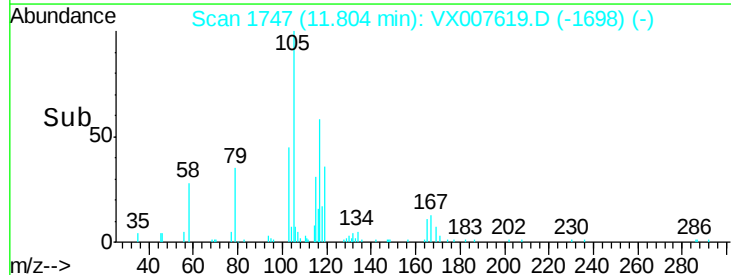
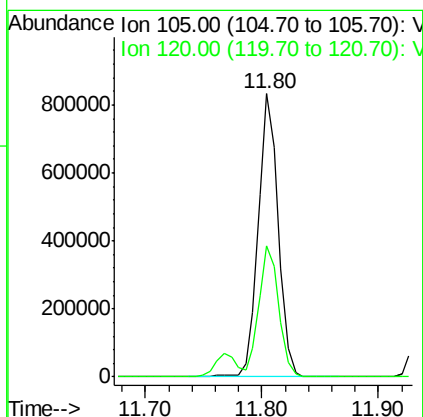
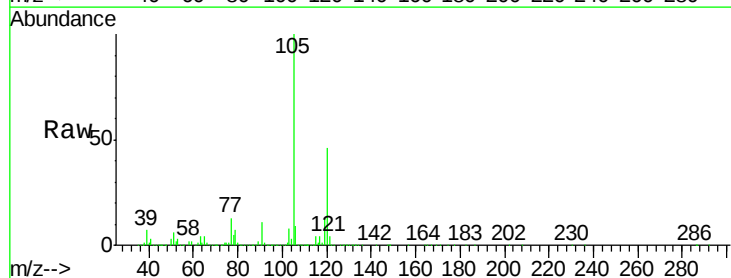
RT: 11.80 min Scan# 1747

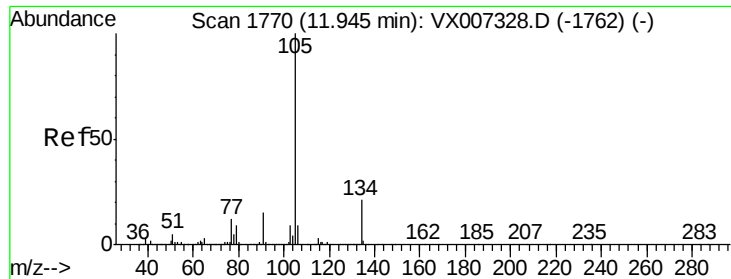
Delta R.T. 0.00 min

Lab File: VX007619.D

Acq: 19 Feb 2019 17:50

Tgt Ion:	105	Resp:	994949
Ion Ratio	Lower	Upper	
105	100		
120	45.7	23.1	69.3





#85

sec-Butylbenzene

Concen: 49.367 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX007619.D

Acq: 19 Feb 2019 17:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1169981

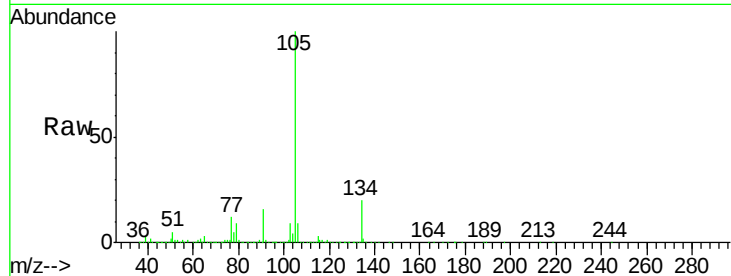
Ion Ratio Lower Upper

105 100

134 20.7 10.6 31.8

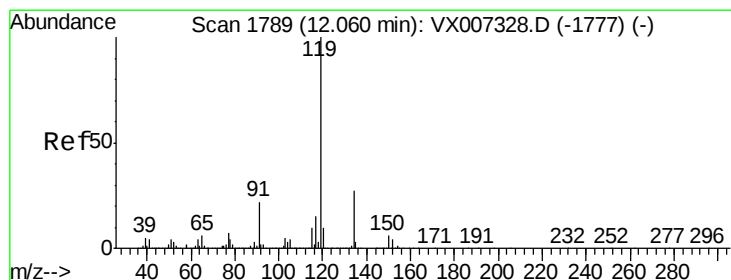
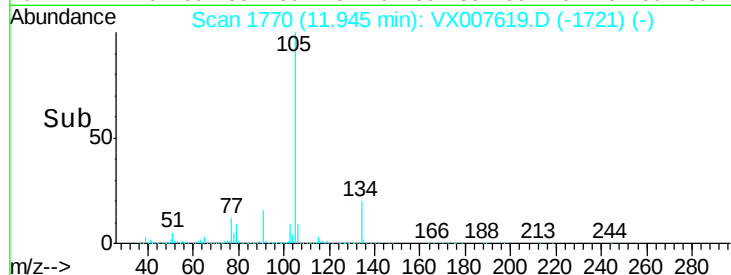
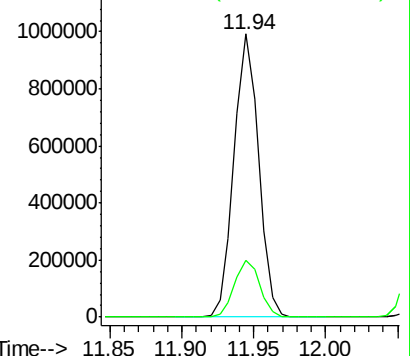
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 49.477 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX007619.D

Acq: 19 Feb 2019 17:50

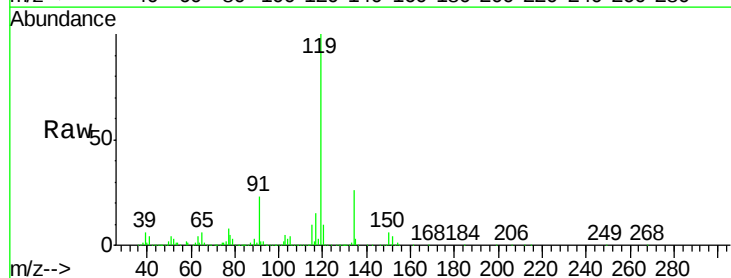
Tgt Ion:119 Resp: 1058493

Ion Ratio Lower Upper

119 100

134 27.1 13.7 41.1

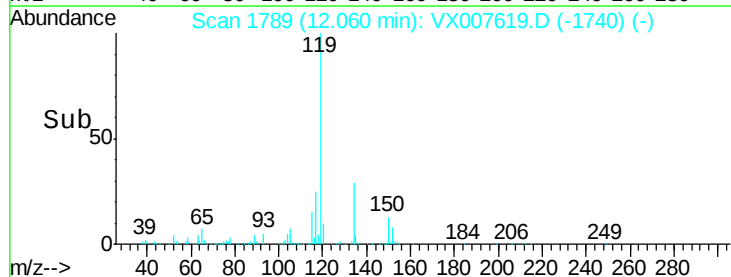
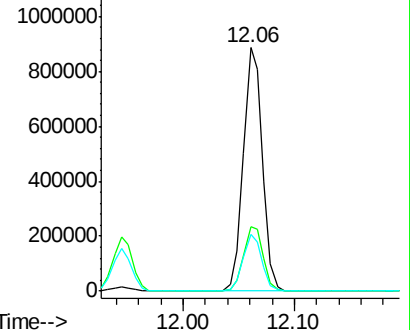
91 23.0 11.2 33.5

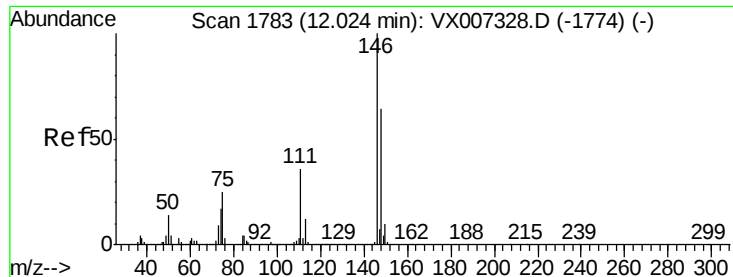


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 44.880 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VX007619.D

Acq: 19 Feb 2019 17:50

Instrument :

MSVOA_X

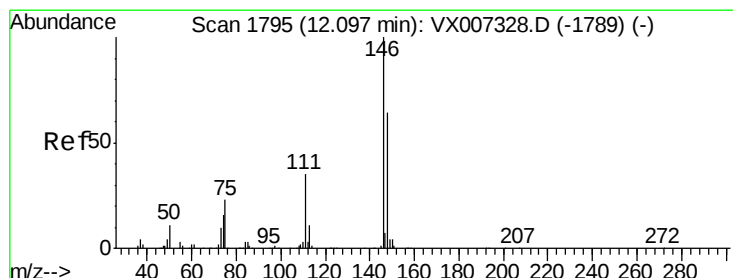
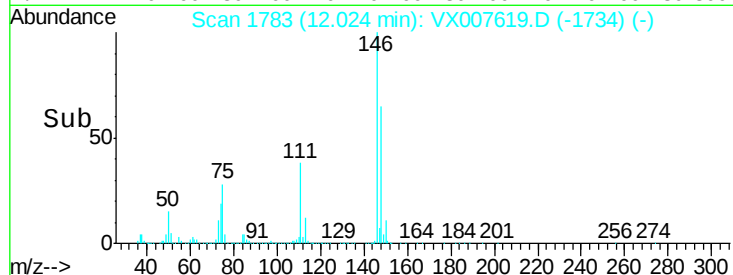
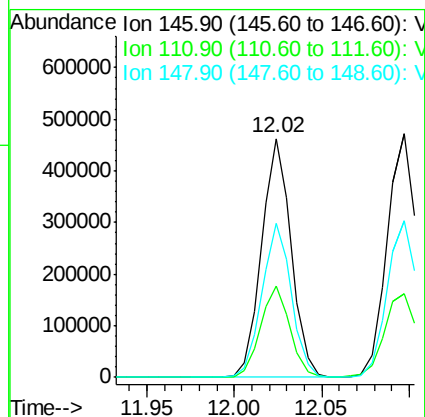
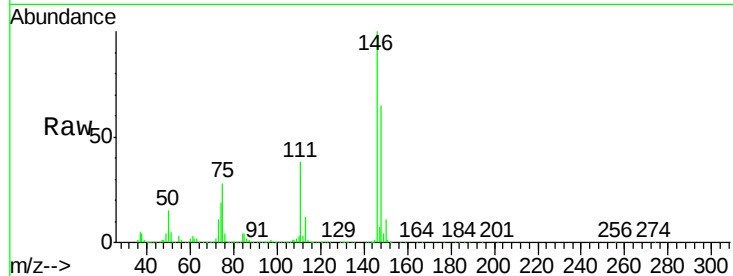
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	548614
Ion Ratio	Lower	Upper	
146	100		
111	37.9	18.1	54.1
148	64.3	32.0	96.2

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#88

1,4-Dichlorobenzene

Concen: 45.184 ug/l

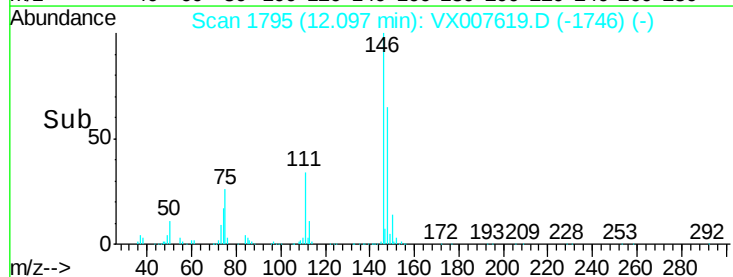
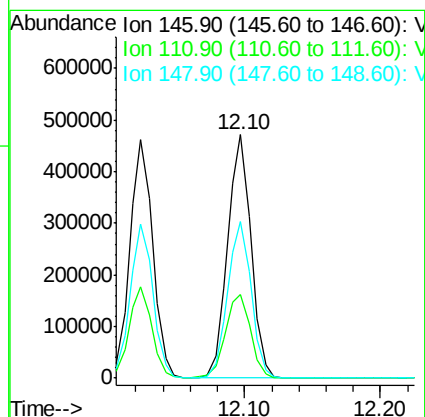
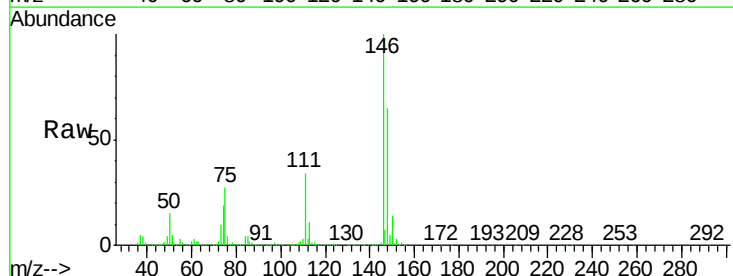
RT: 12.10 min Scan# 1795

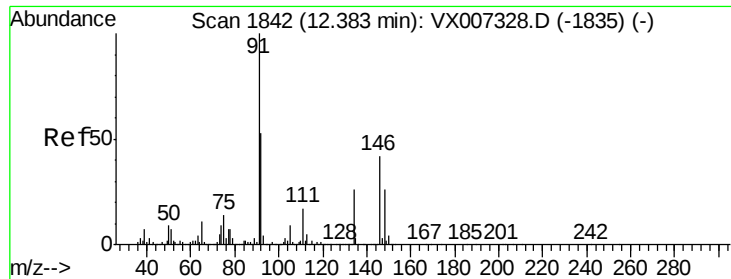
Delta R.T. 0.00 min

Lab File: VX007619.D

Acq: 19 Feb 2019 17:50

Tgt Ion:	146	Resp:	560365
Ion Ratio	Lower	Upper	
146	100		
111	37.0	18.1	54.1
148	64.8	32.3	96.9





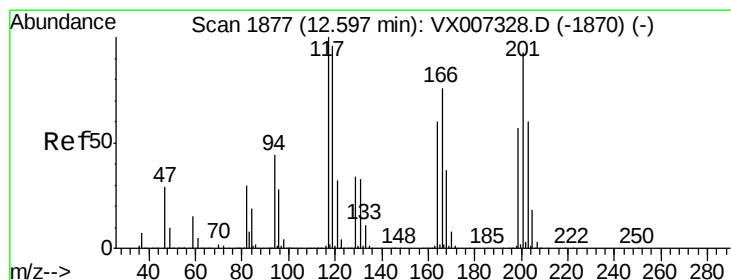
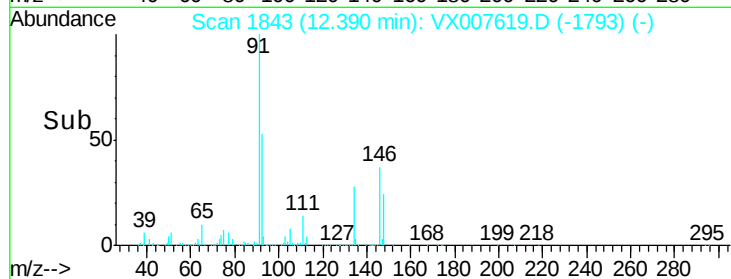
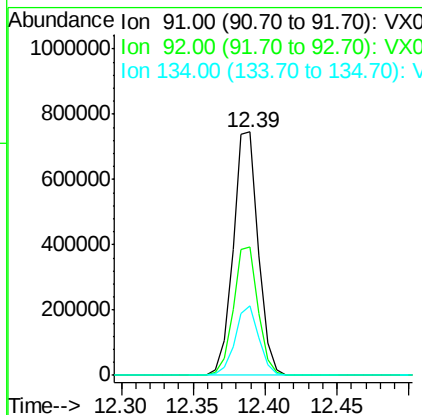
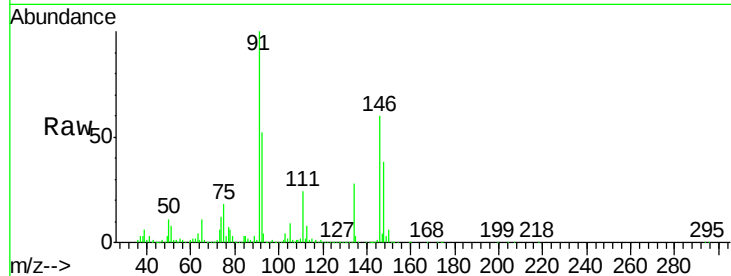
#89
n-Butylbenzene
Concen: 49.334 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.01 min
Lab File: VX007619.D
Acq: 19 Feb 2019 17:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.3	78.9
134	27.1	13.9	41.6

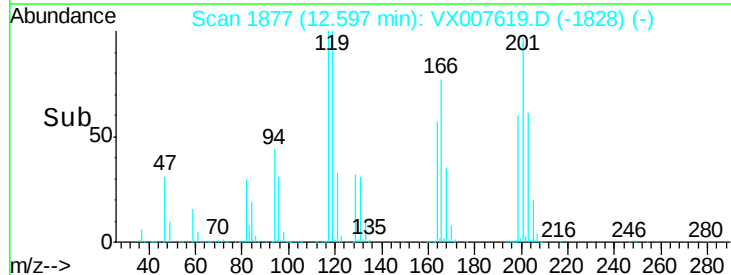
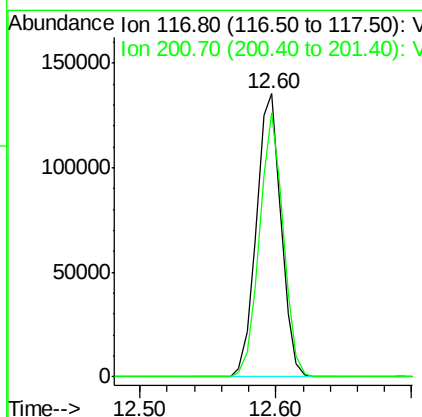
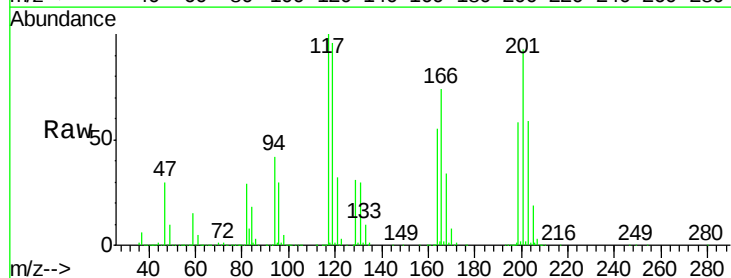
Manual Integrations
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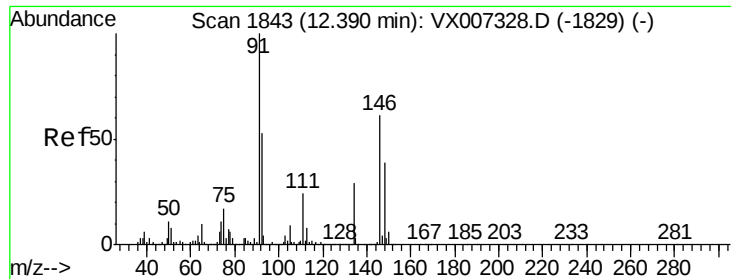
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#90
Hexachloroethane
Concen: 54.215 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX007619.D
Acq: 19 Feb 2019 17:50

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.5	44.9	134.7





#91

1,2-Dichlorobenzene

Concen: 45.532 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX007619.D

Acq: 19 Feb 2019 17:50

Instrument :

MSVOA_X

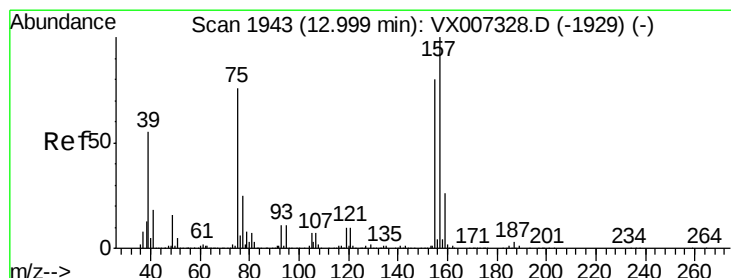
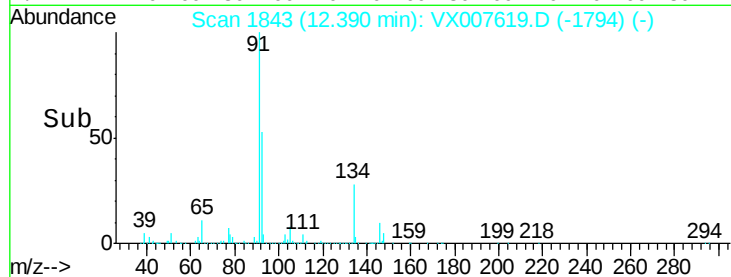
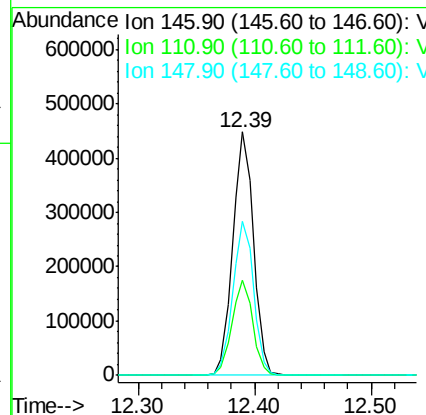
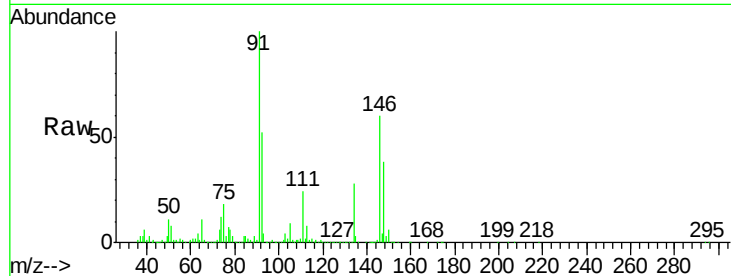
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	553916
Ion Ratio	Lower	Upper	
146	100		
111	38.9	19.1	57.3
148	63.6	32.1	96.3

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 54.204 ug/l

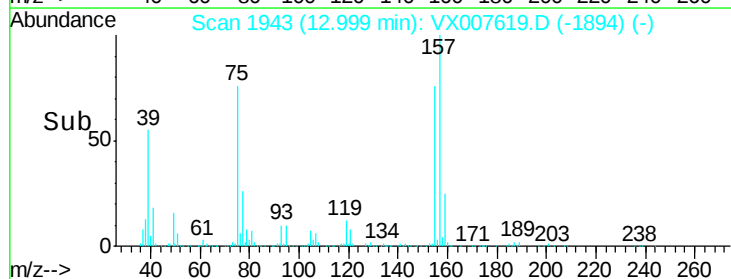
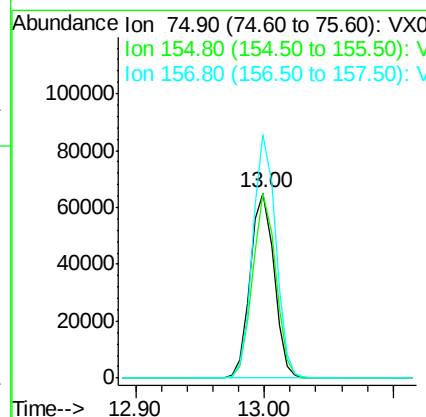
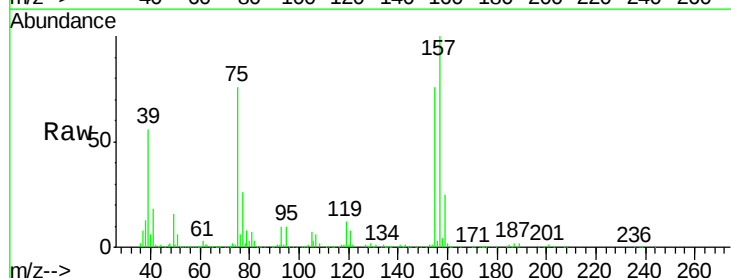
RT: 13.00 min Scan# 1943

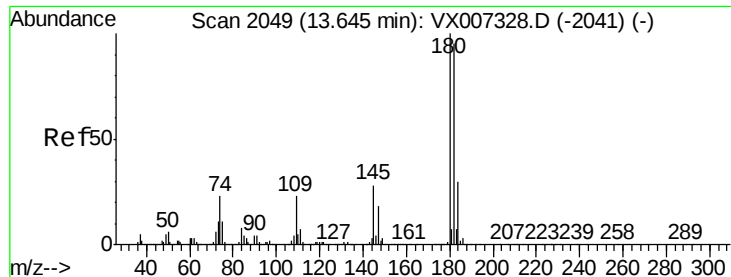
Delta R.T. 0.00 min

Lab File: VX007619.D

Acq: 19 Feb 2019 17:50

Tgt Ion:	75	Resp:	83036
Ion Ratio	Lower	Upper	
75	100		
155	96.4	49.6	149.0
157	125.9	65.1	195.3





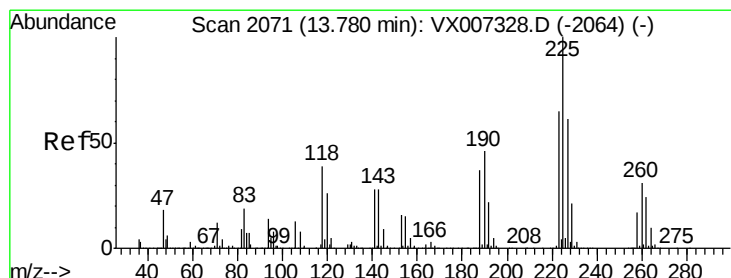
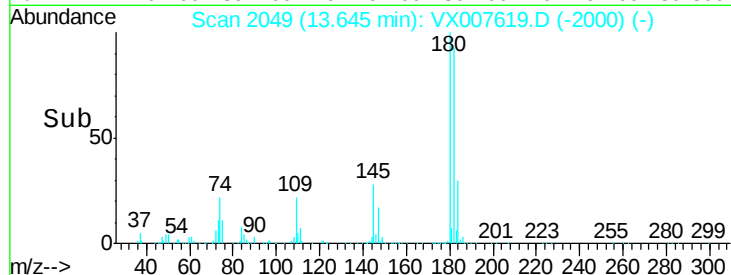
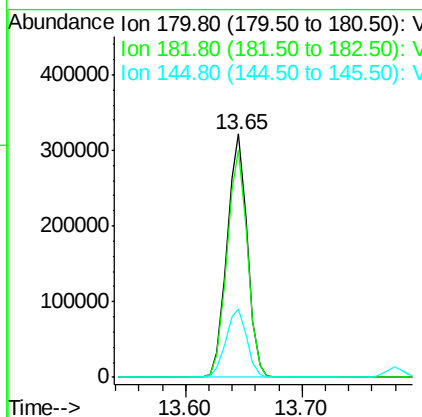
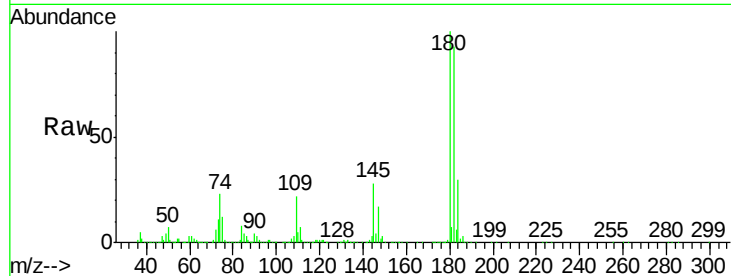
#93
1,2,4-Trichlorobenzene
Concen: 47.141 ug/l
RT: 13.65 min Scan# 2049
Delta R.T. 0.00 min
Lab File: VX007619.D
Acq: 19 Feb 2019 17:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	386750		
182	94.0		47.8	143.3
145	28.9		14.1	42.2

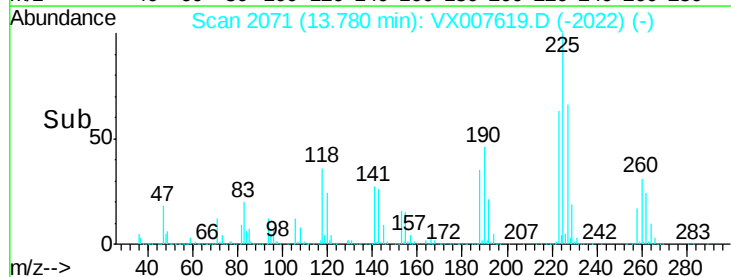
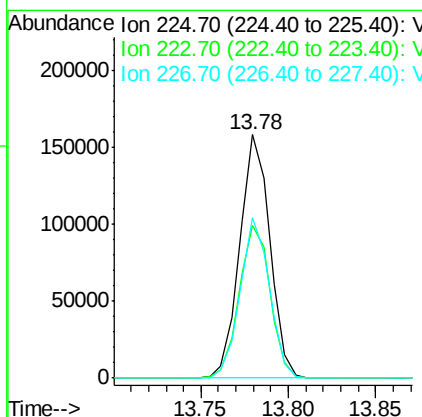
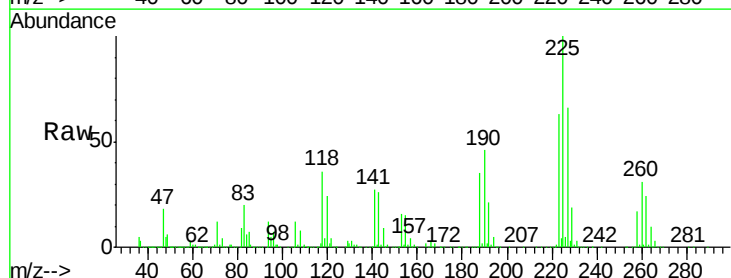
Manual Integrations
APPROVED

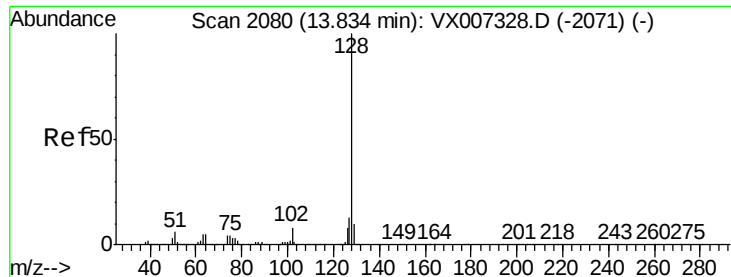
MMDadoda
2/20/2019 10:35:14 AM



#94
Hexachlorobutadiene
Concen: 47.496 ug/l
RT: 13.78 min Scan# 2071
Delta R.T. 0.00 min
Lab File: VX007619.D
Acq: 19 Feb 2019 17:50

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	189213		
223	64.4		31.6	94.8
227	64.1		32.1	96.3





#95

Naphthalene

Concen: 49.887 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX007619.D

Acq: 19 Feb 2019 17:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:128 Resp: 1196874

Ion Ratio Lower Upper

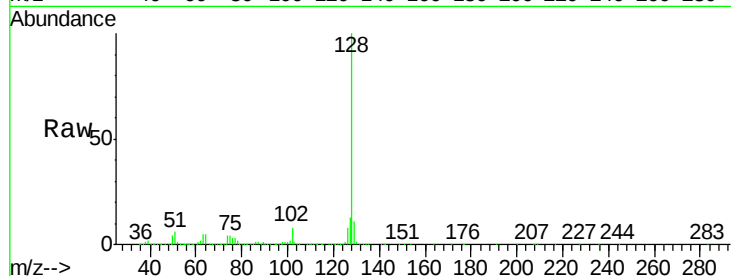
128 100

127 13.1 10.5 15.7

129 10.9 8.7 13.1

Manual Integrations
APPROVED

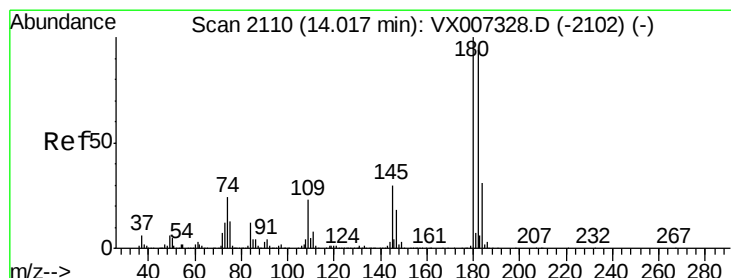
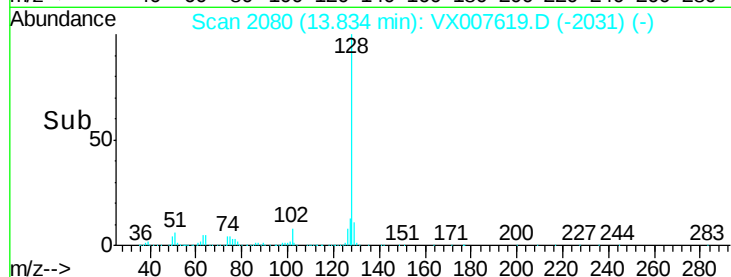
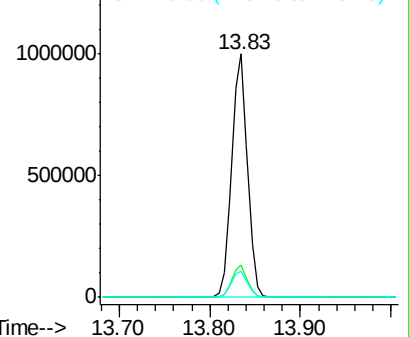
MMDadoda
2/20/2019 10:35:14 AM



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: 46.736 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX007619.D

Acq: 19 Feb 2019 17:50

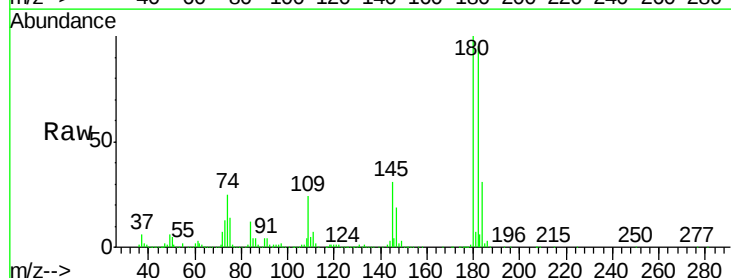
Tgt Ion:180 Resp: 385957

Ion Ratio Lower Upper

180 100

182 94.4 47.5 142.6

145 30.6 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

