

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX012619\
 Data File : VX007230.D
 Acq On : 25 Jan 2019 15:34
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 1/28/2019 12:01:36 PM

Quant Time: Jan 28 00:26:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 08 14:06:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	499520	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	708383	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	650031	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	344417	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	255744	48.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.98%	
35) Dibromofluoromethane	5.50	113	233763	51.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.06%	
50) Toluene-d8	8.71	98	856538	51.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.16%	
62) 4-Bromofluorobenzene	11.13	95	310701	53.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	182454	44.479	ug/l	99
3) Chloromethane	1.33	50	200367	41.959	ug/l	99
4) Vinyl Chloride	1.41	62	225006	43.803	ug/l	98
5) Bromomethane	1.64	94	221088	40.284	ug/l	97
6) Chloroethane	1.71	64	149252	41.612	ug/l	97
7) Trichlorofluoromethane	1.93	101	381137	45.921	ug/l	100
8) Diethyl Ether	2.19	74	150029	45.435	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	232258	46.741	ug/l	99
10) Methyl Iodide	2.51	142	333386	49.738	ug/l	100
11) Tert butyl alcohol	3.07	59	275120	223.410	ug/l	99
12) 1,1-Dichloroethene	2.37	96	205339	44.727	ug/l	97
13) Acrolein	2.30	56	130551	245.860	ug/l	99
14) Allyl chloride	2.73	41	373833	47.513	ug/l	98
15) Acrylonitrile	3.15	53	672868	238.016	ug/l	99
16) Acetone	2.45	43	614924	238.268	ug/l	99
17) Carbon Disulfide	2.57	76	449727	38.048	ug/l	99
18) Methyl Acetate	2.78	43	374642	50.127	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	760757	47.742	ug/l	99
20) Methylene Chloride	2.85	84	236837	48.228	ug/l	93
21) trans-1,2-Dichloroethene	3.17	96	222613	43.512	ug/l	98
22) Diisopropyl ether	3.87	45	712299	48.155	ug/l	98
23) Vinyl Acetate	3.82	43	2913972	233.598	ug/l	100
24) 1,1-Dichloroethane	3.70	63	401632	48.559	ug/l	99
25) 2-Butanone	4.70	43	891212	241.341	ug/l	98
26) 2,2-Dichloropropane	4.59	77	307825	48.399	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	254146	45.036	ug/l	97
28) Bromochloromethane	5.01	49	159359	43.975	ug/l	96
29) Tetrahydrofuran	5.15	42	561357	233.915	ug/l	97
30) Chloroform	5.21	83	420349	48.540	ug/l	98
31) Cyclohexane	5.57	56	328184	44.581	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	353372	48.143	ug/l	98
36) 1,1-Dichloropropene	5.79	75	293223	47.610	ug/l	99
37) Ethyl Acetate	4.85	43	325333	49.272	ug/l	97
38) Carbon Tetrachloride	5.78	117	307263	49.587	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	370454	47.182	ug/l	98
40) Benzene	6.14	78	906587	48.242	ug/l	99
41) Methacrylonitrile	5.06	41	182812	48.061	ug/l	99
42) 1,2-Dichloroethane	6.20	62	317475	48.888	ug/l	99
43) Isopropyl Acetate	6.46	43	527250	50.624	ug/l	98
44) Trichloroethene	7.21	130	274511	48.747	ug/l	93
45) 1,2-Dichloropropane	7.51	63	236037	49.960	ug/l	99
46) Dibromomethane	7.66	93	164652	49.588	ug/l	98
47) Bromodichloromethane	7.90	83	301856	53.409	ug/l	98
48) Methyl methacrylate	7.77	41	273731	51.179	ug/l	97
49) 1,4-Dioxane	7.75	88	117244	959.540	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	1743252	260.447	ug/l	99
52) Toluene	8.78	92	595486	49.301	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	336348	53.669	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	368959	53.310	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	254024	52.543	ug/l	98
56) Ethyl methacrylate	9.18	69	367204	52.028	ug/l	95
57) 1,3-Dichloropropane	9.37	76	407196	51.411	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	952530	262.488	ug/l	98
59) 2-Hexanone	9.49	43	1305955	256.035	ug/l	100
60) Dibromochloromethane	9.58	129	265524	56.560	ug/l	99
61) 1,2-Dibromoethane	9.67	107	276697	51.988	ug/l	99
64) Tetrachloroethene	9.34	164	291954	51.877	ug/l	97
65) Chlorobenzene	10.14	112	705418	49.756	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	257422	53.974	ug/l	99
67) Ethyl Benzene	10.25	91	1155968	49.389	ug/l	99
68) m/p-Xylenes	10.36	106	919574	99.722	ug/l	100
69) o-Xylene	10.69	106	445687	49.559	ug/l	97
70) Styrene	10.71	104	725425	50.931	ug/l	99
71) Bromoform	10.86	173	201415	47.468	ug/l	99
73) Isopropylbenzene	11.02	105	1207880	49.735	ug/l	99
74) N-amyl acetate	10.90	43	466718	47.731	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	367095	47.612	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	347790m	49.831	ug/l	
77) Bromobenzene	11.26	156	320049	47.827	ug/l	99
78) n-propylbenzene	11.36	91	1350316	50.647	ug/l	100
79) 2-Chlorotoluene	11.42	91	776462	48.381	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	999253	49.241	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	104385	45.503	ug/l	99
82) 4-Chlorotoluene	11.51	91	917628	49.383	ug/l	100
83) tert-Butylbenzene	11.77	119	1010606	49.914	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	1018777	49.925	ug/l	99
85) sec-Butylbenzene	11.94	105	1221922	50.534	ug/l	100
86) p-Isopropyltoluene	12.07	119	1091080	50.446	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	587939	48.609	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	591755	51.632	ug/l	100
89) n-Butylbenzene	12.39	91	963195	52.241	ug/l	99
90) Hexachloroethane	12.60	117	173043	50.109	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	579264	48.530	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	76628	50.252	ug/l	99

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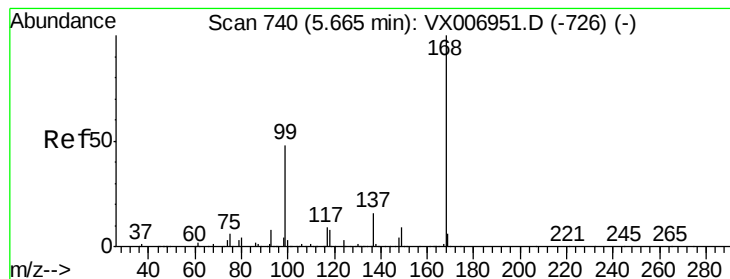
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	419514	51.228	ug/l	99
94) Hexachlorobutadiene	13.78	225	198845	54.717	ug/l	99
95) Naphthalene	13.83	128	1251887	50.449	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	408269	50.187	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX007230.D

Acq: 25 Jan 2019 15:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 499520

Ion Ratio Lower Upper

168 100

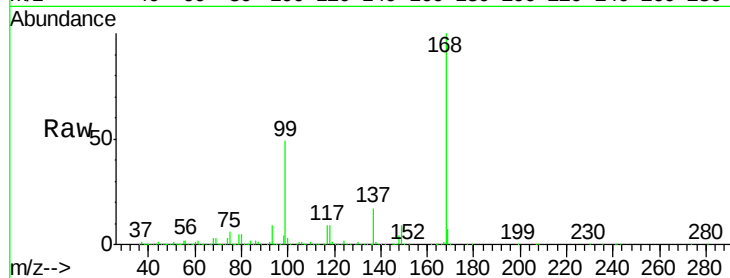
99 48.7 41.8 62.8

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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

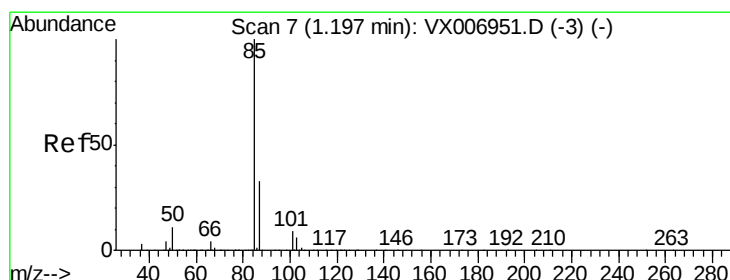
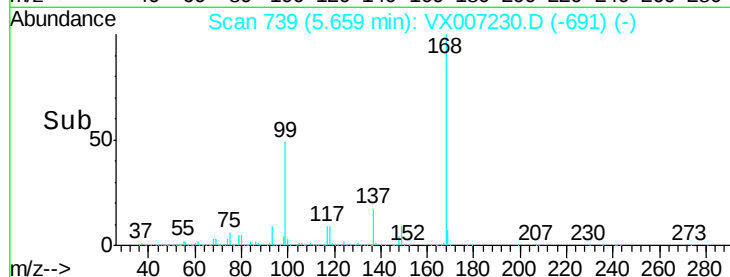
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50000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 44.479 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX007230.D

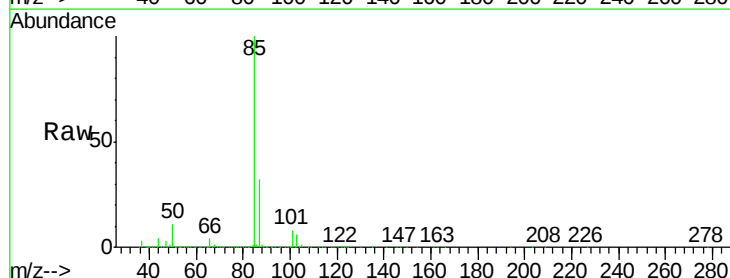
Acq: 25 Jan 2019 15:34

Tgt Ion: 85 Resp: 182454

Ion Ratio Lower Upper

85 100

87 32.3 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

200000

150000

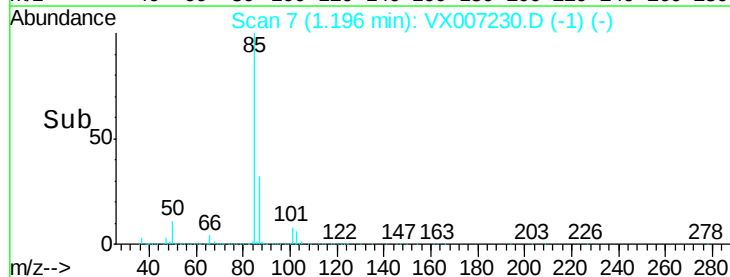
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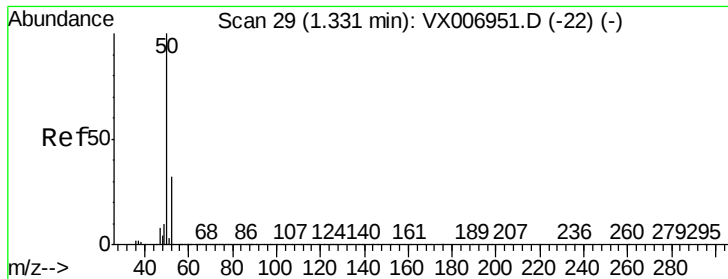
50000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 41.959 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX007230.D

Acq: 25 Jan 2019 15:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 200367

Ion Ratio Lower Upper

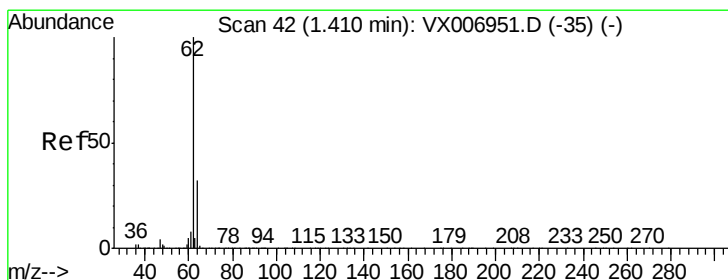
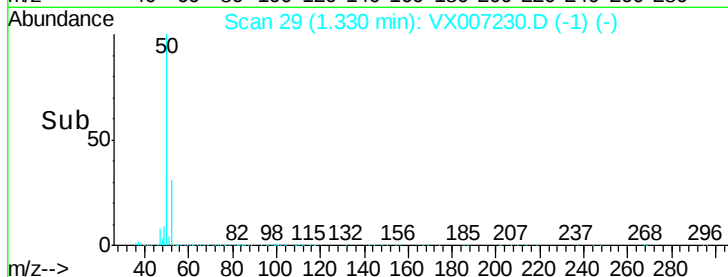
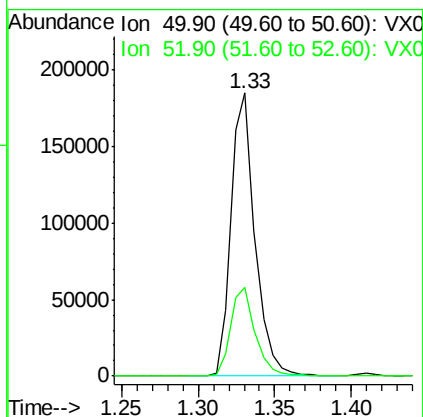
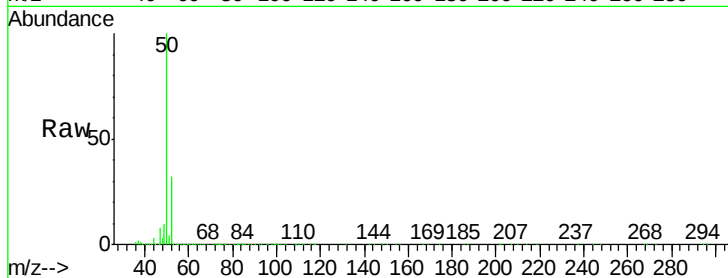
50 100

52 31.5 25.4 38.2

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#4

Vinyl Chloride

Concen: 43.803 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX007230.D

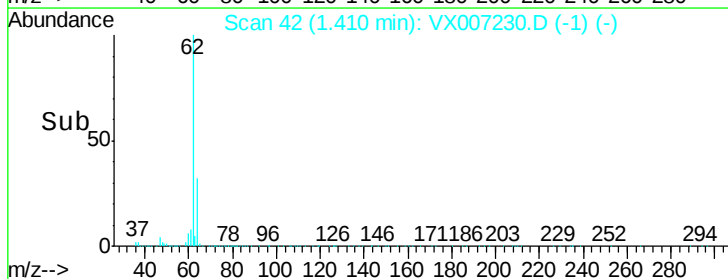
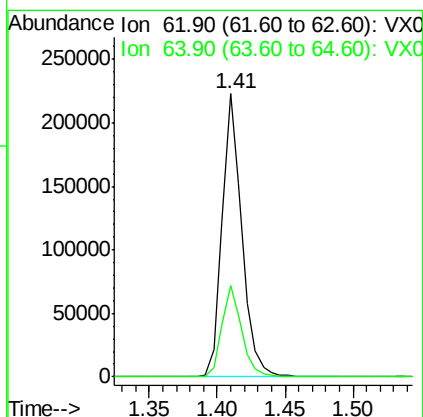
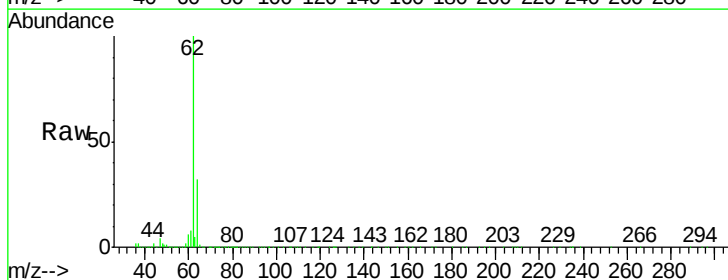
Acq: 25 Jan 2019 15:34

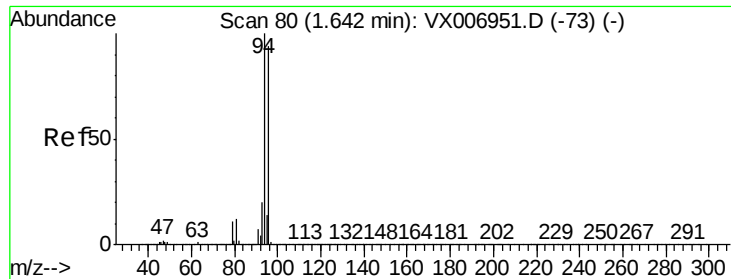
Tgt Ion: 62 Resp: 225006

Ion Ratio Lower Upper

62 100

64 32.3 25.1 37.7





#5

Bromomethane

Concen: 40.284 ug/l

RT: 1.64 min Scan# 80

Delta R.T. -0.00 min

Lab File: VX007230.D

Acq: 25 Jan 2019 15:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 221088

Ion Ratio Lower Upper

94 100

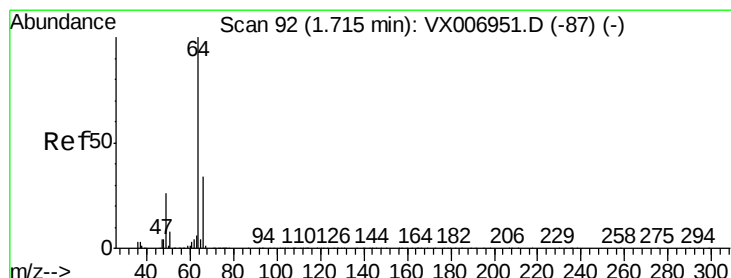
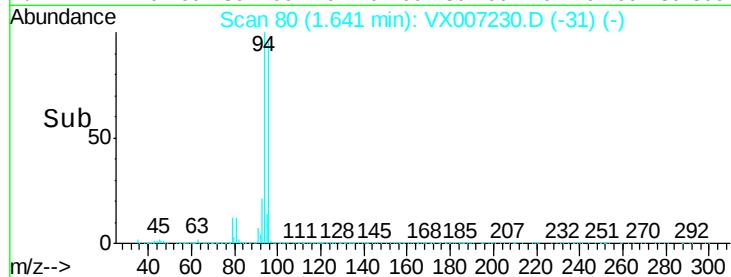
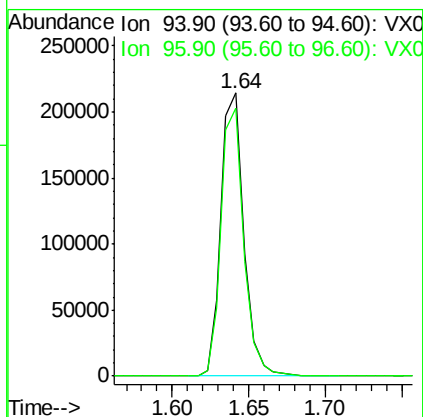
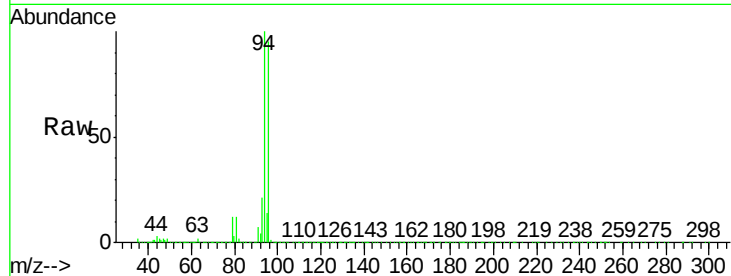
96 94.7 73.4 110.2

Manual Integrations

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#6

Chloroethane

Concen: 41.612 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.00 min

Lab File: VX007230.D

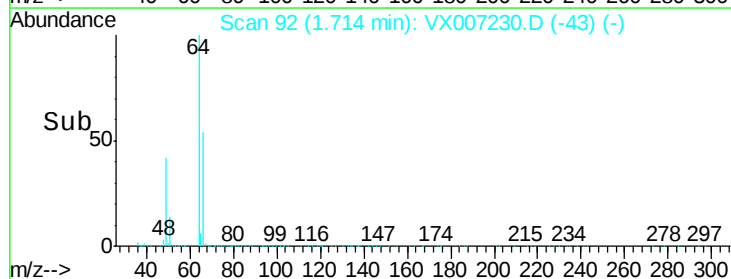
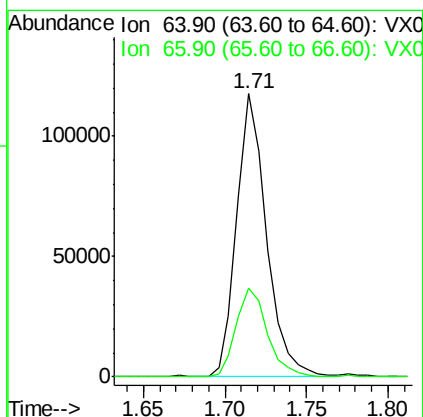
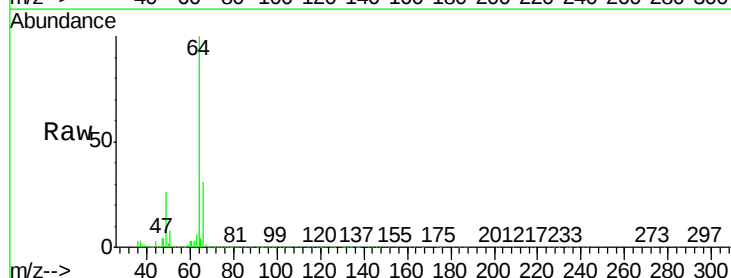
Acq: 25 Jan 2019 15:34

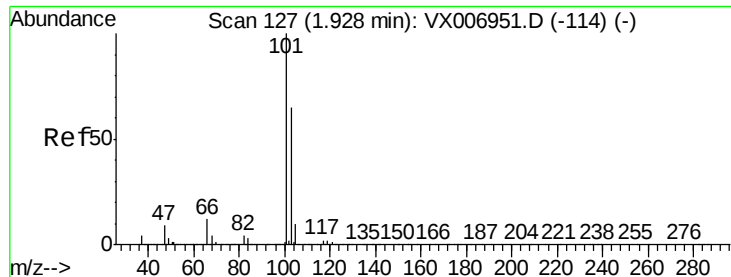
Tgt Ion: 64 Resp: 149252

Ion Ratio Lower Upper

64 100

66 31.1 26.4 39.6





#7

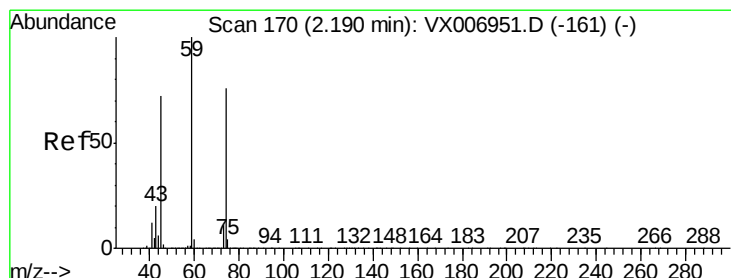
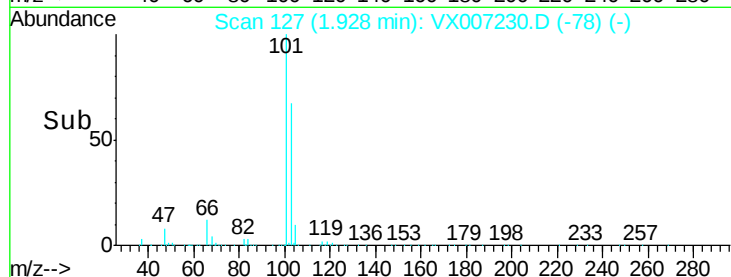
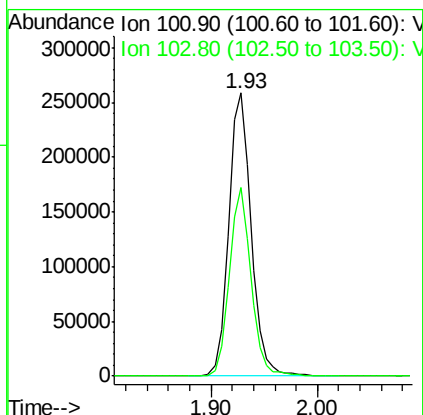
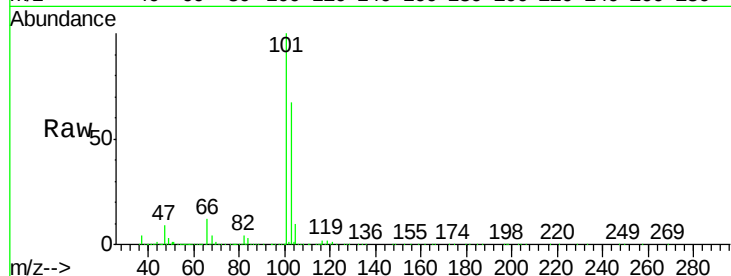
Trichlorofluoromethane
Concen: 45.921 ug/l
RT: 1.93 min Scan# 127
Delta R.T. -0.00 min
Lab File: VX007230.D
Acq: 25 Jan 2019 15:34

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ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.7	53.2	79.8

Manual Integrations
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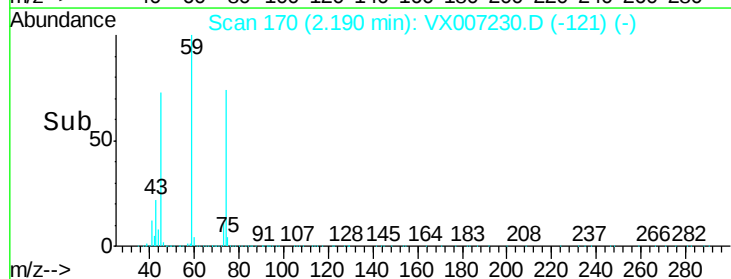
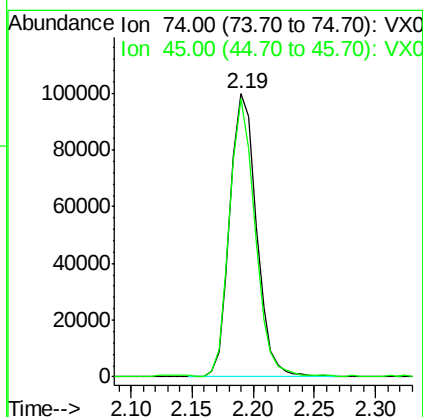
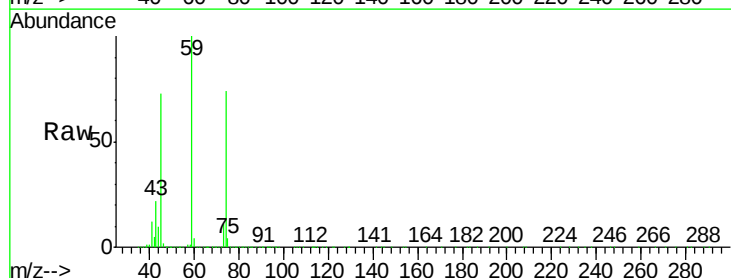
MMDadoda
1/28/2019 12:01:36 PM

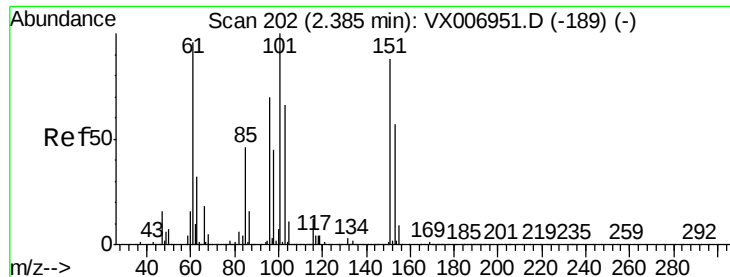


#8

Diethyl Ether
Concen: 45.435 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX007230.D
Acq: 25 Jan 2019 15:34

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.3	46.3	138.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.741 ug/l

RT: 2.39 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX007230.D

Acq: 25 Jan 2019 15:34

Instrument :

MSVOA_X

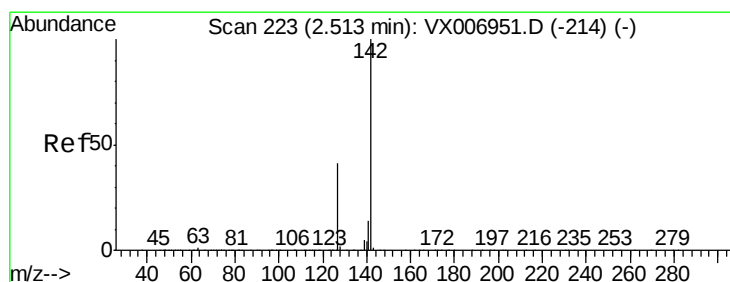
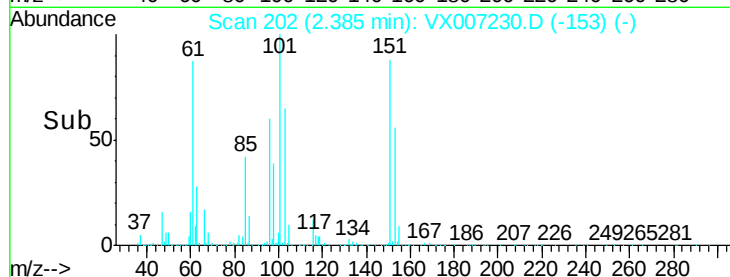
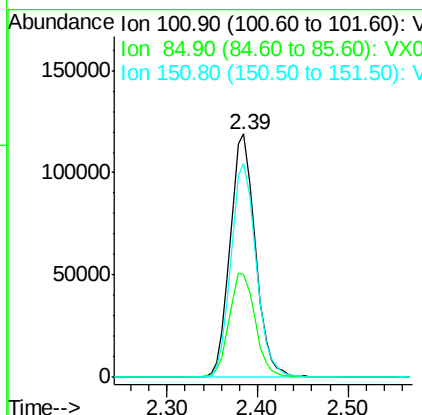
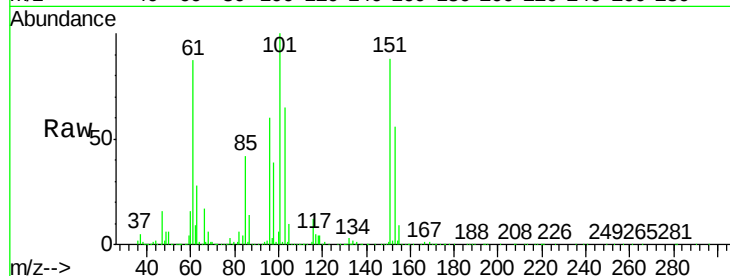
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	232258
Ion Ratio	Lower	Upper	
101	100		
85	44.0	35.1	52.7
151	87.9	68.9	103.3

Manual Integrations
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#10

Methyl Iodide

Concen: 49.738 ug/l

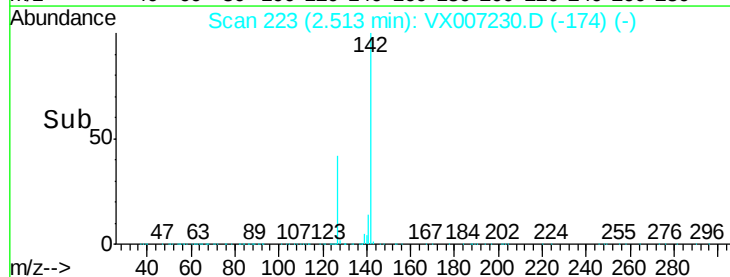
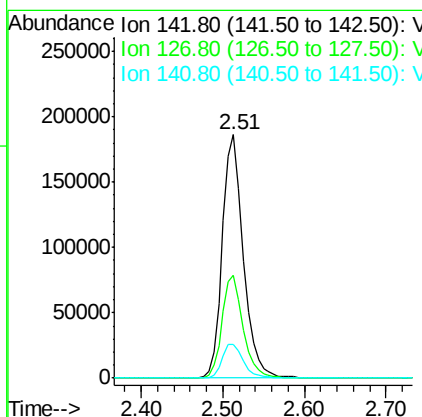
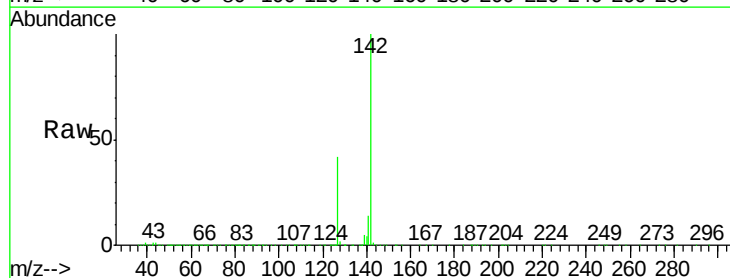
RT: 2.51 min Scan# 223

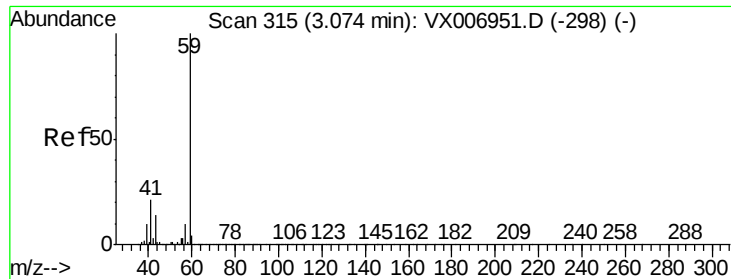
Delta R.T. -0.00 min

Lab File: VX007230.D

Acq: 25 Jan 2019 15:34

Tgt Ion:	142	Resp:	333386
Ion Ratio	Lower	Upper	
142	100		
127	42.2	33.9	50.9
141	14.2	11.4	17.0





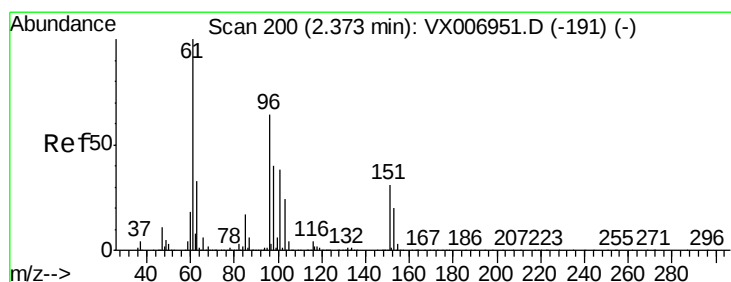
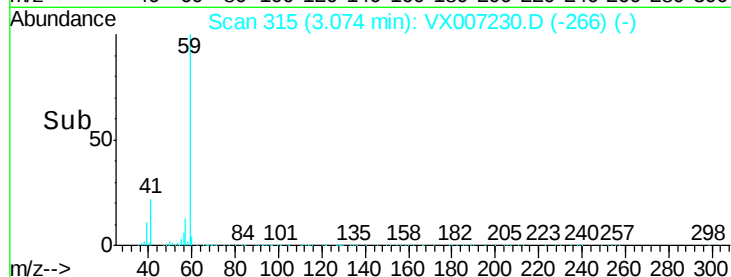
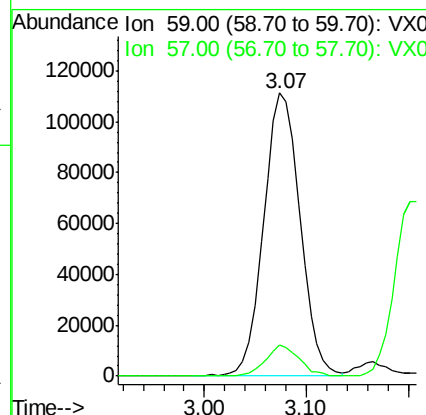
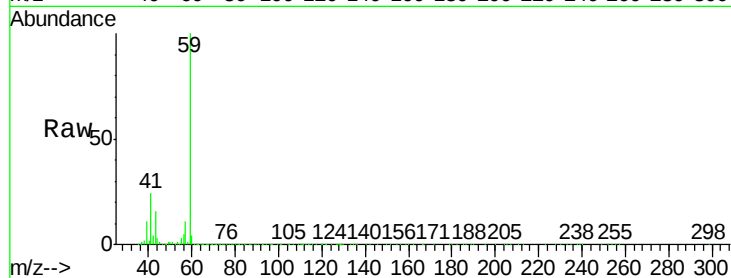
#11
Tert butyl alcohol
Concen: 223.410 ug/l
RT: 3.07 min Scan# 315
Delta R.T. -0.00 min
Lab File: VX007230.D
Acq: 25 Jan 2019 15:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 275120
Ion Ratio Lower Upper
59 100
57 10.2 8.5 12.7

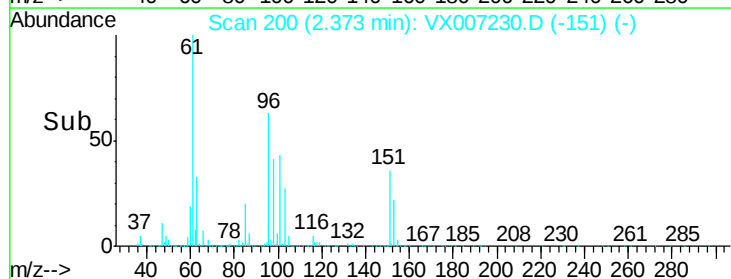
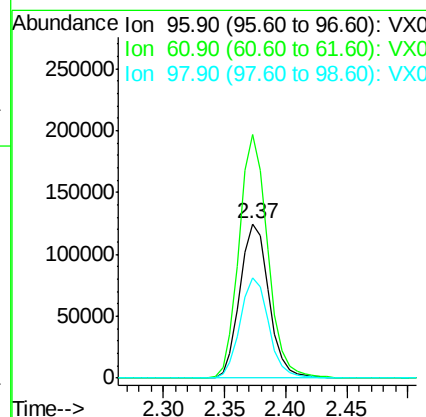
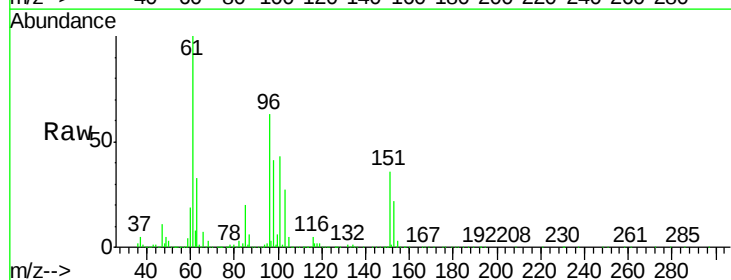
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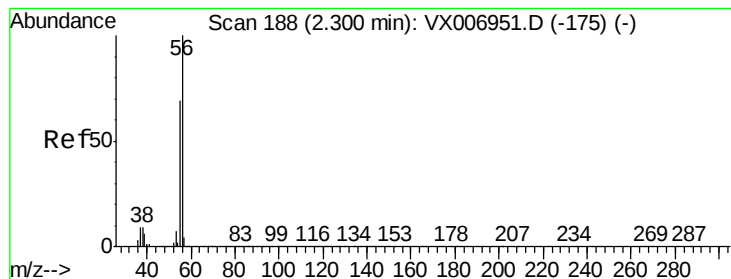
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#12
1,1-Dichloroethene
Concen: 44.727 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX007230.D
Acq: 25 Jan 2019 15:34

Tgt Ion: 96 Resp: 205339
Ion Ratio Lower Upper
96 100
61 157.8 121.4 182.2
98 65.3 51.9 77.9





#13

Acrolein

Concen: 245.860 ug/l

RT: 2.30 min Scan# 188

Delta R.T. -0.00 min

Lab File: VX007230.D

Acq: 25 Jan 2019 15:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 130551

Ion Ratio Lower Upper

56 100

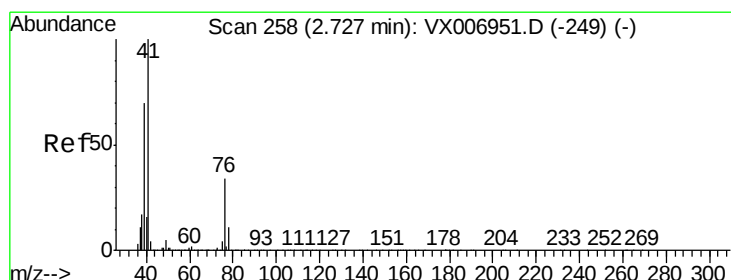
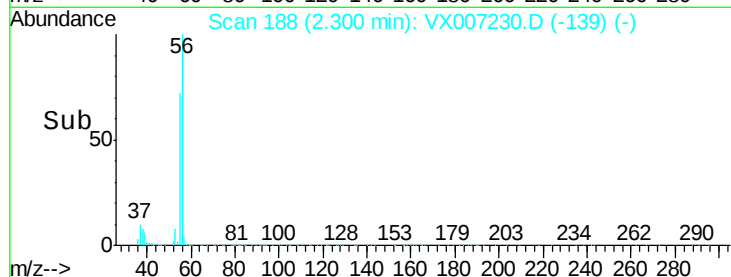
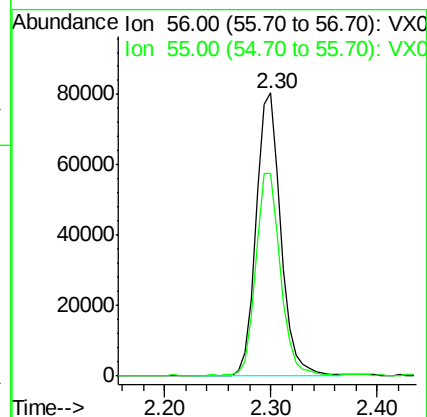
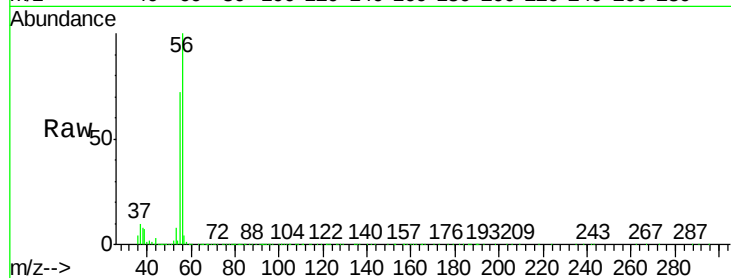
55 71.8 58.2 87.4

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#14

Allyl chloride

Concen: 47.513 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX007230.D

Acq: 25 Jan 2019 15:34

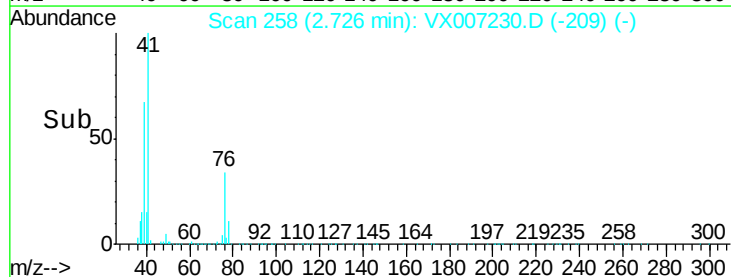
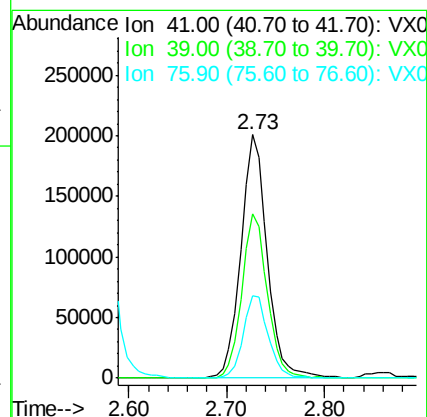
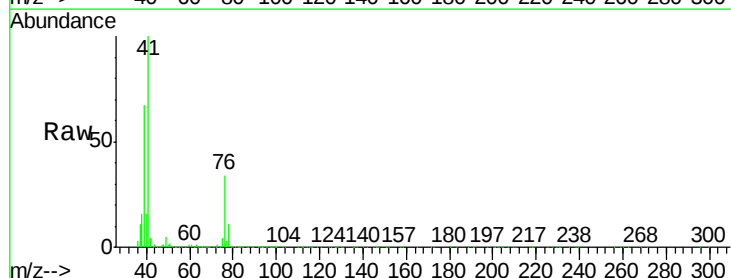
Tgt Ion: 41 Resp: 373833

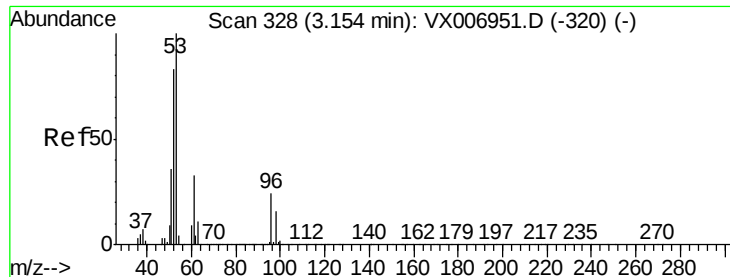
Ion Ratio Lower Upper

41 100

39 65.4 53.6 80.4

76 32.5 27.4 41.2





#15

Acrylonitrile

Concen: 238.016 ug/l

RT: 3.15 min Scan# 328

Delta R.T. -0.00 min

Lab File: VX007230.D

Acq: 25 Jan 2019 15:34

Instrument :

MSVOA_X

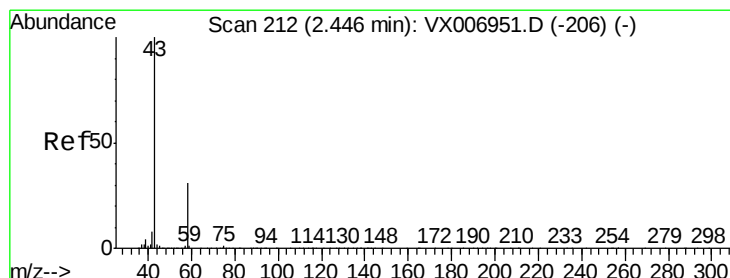
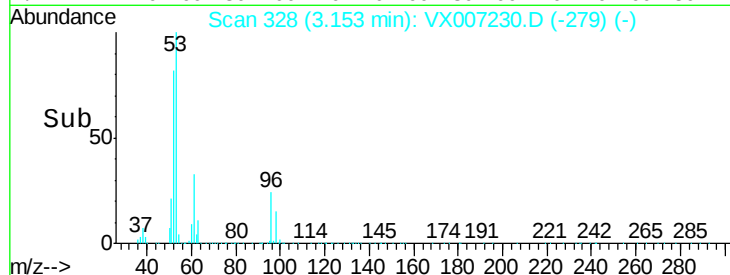
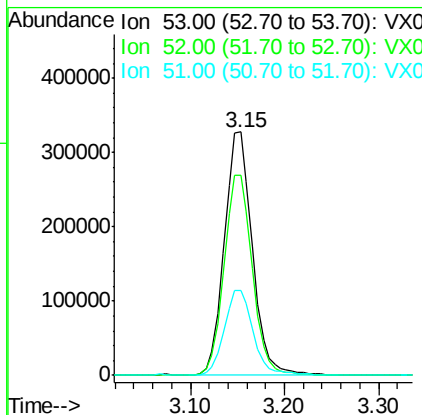
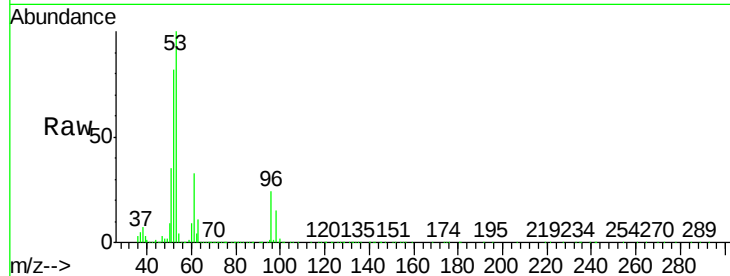
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	672868
Ion Ratio		Lower	Upper
53	100		
52	83.3	66.0	99.0
51	36.3	28.6	42.8

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#16

Acetone

Concen: 238.268 ug/l

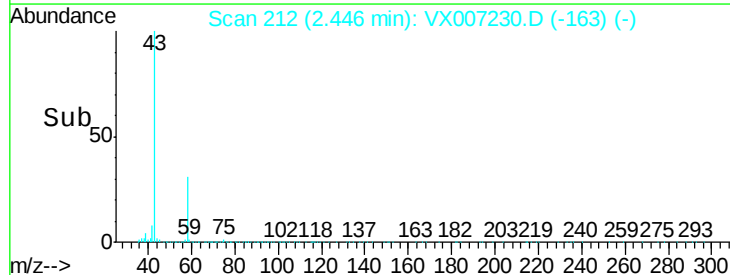
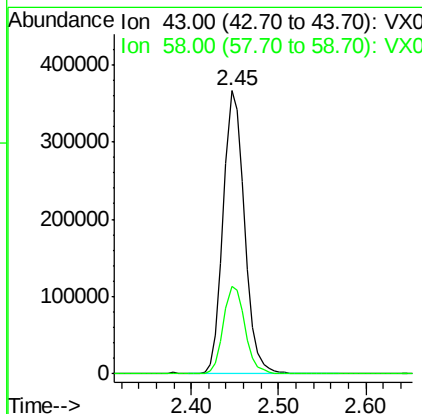
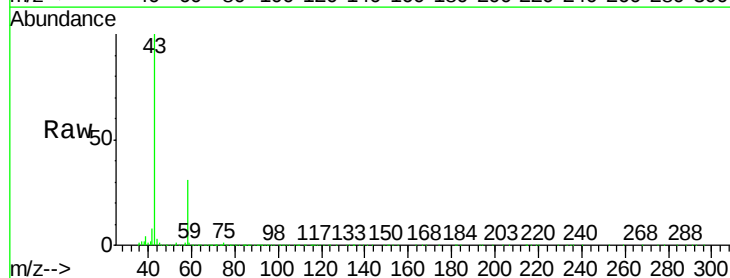
RT: 2.45 min Scan# 212

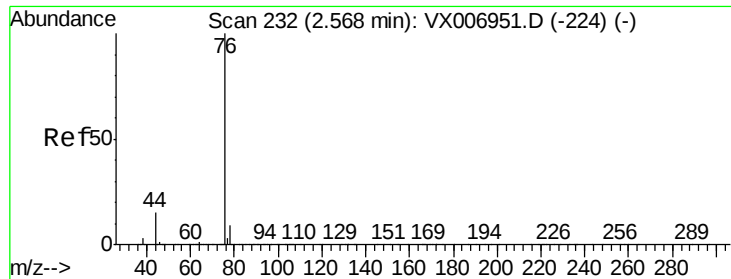
Delta R.T. -0.00 min

Lab File: VX007230.D

Acq: 25 Jan 2019 15:34

Tgt Ion:	43	Resp:	614924
Ion Ratio		Lower	Upper
43	100		
58	31.0	25.0	37.6





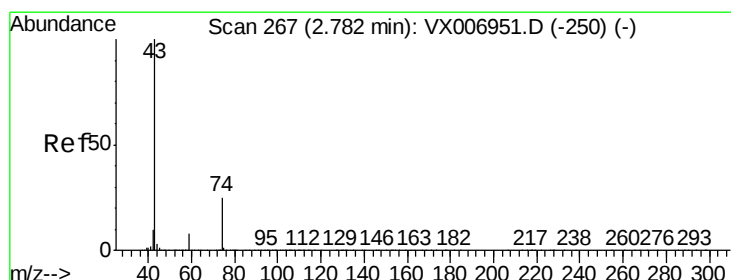
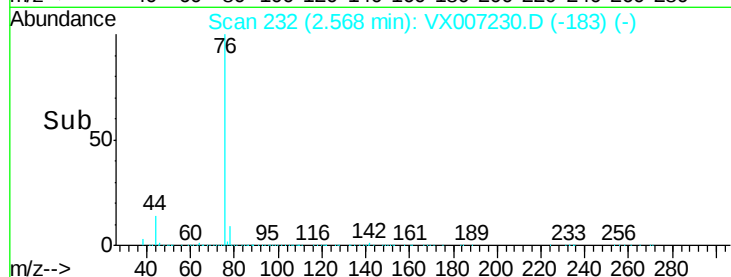
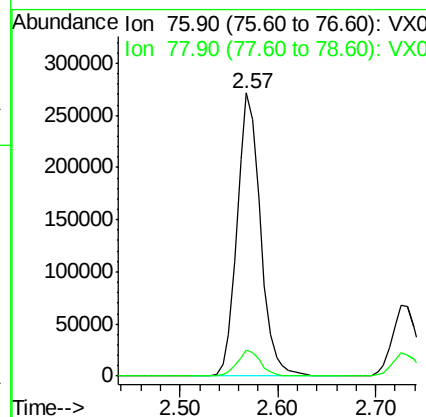
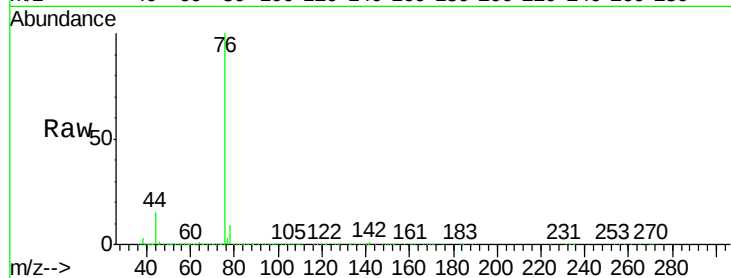
#17
Carbon Disulfide
Concen: 38.048 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX007230.D
Acq: 25 Jan 2019 15:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.0	10.6

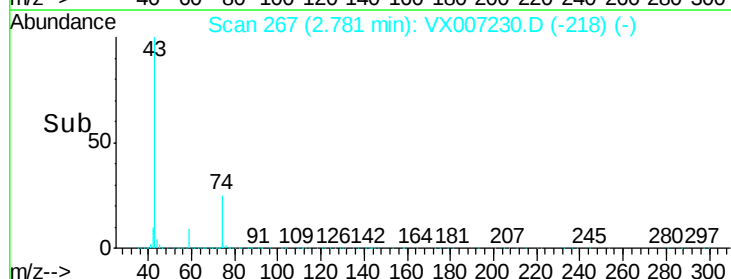
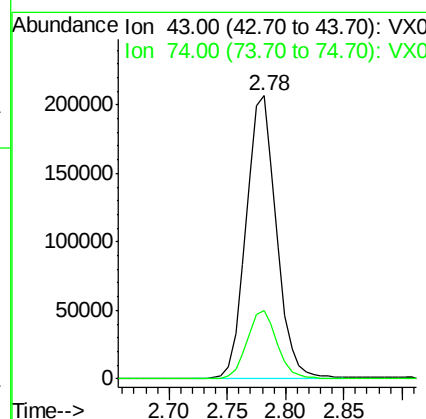
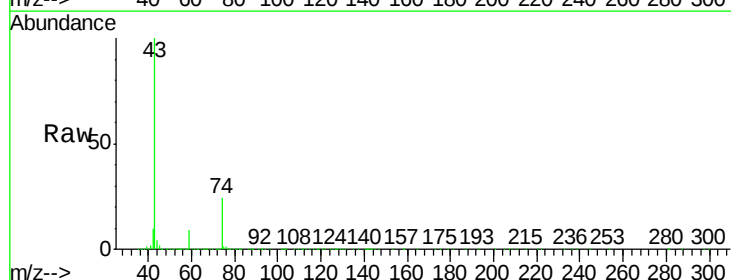
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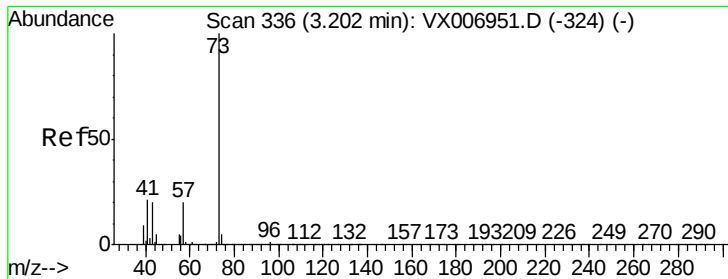
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#18
Methyl Acetate
Concen: 50.127 ug/l
RT: 2.78 min Scan# 267
Delta R.T. -0.00 min
Lab File: VX007230.D
Acq: 25 Jan 2019 15:34

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.5	18.6	28.0





#19

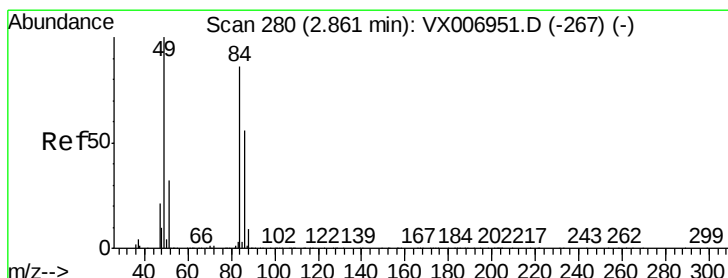
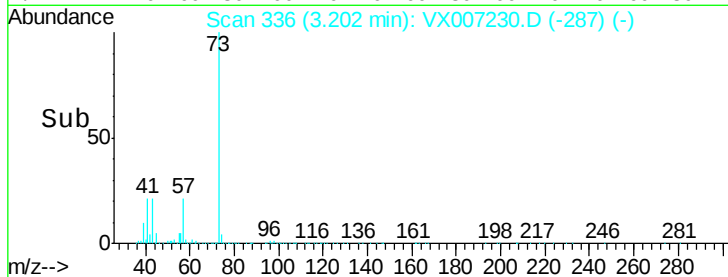
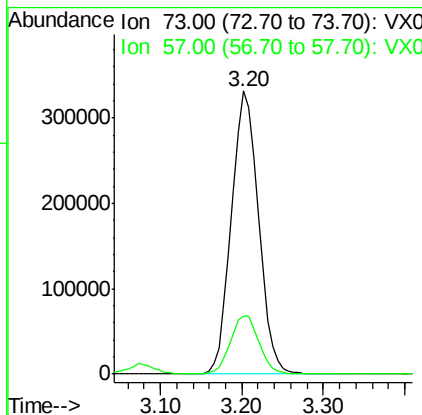
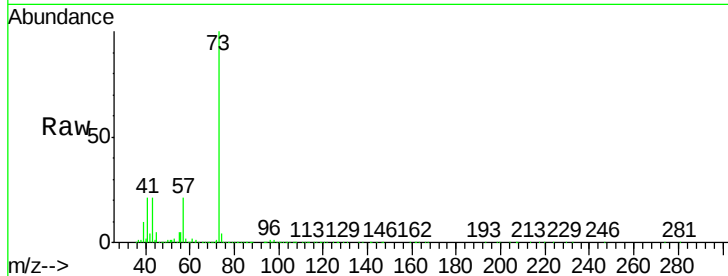
Methyl tert-butyl Ether
 Concen: 47.742 ug/l
 RT: 3.20 min Scan# 336
 Delta R.T. -0.00 min
 Lab File: VX007230.D
 Acq: 25 Jan 2019 15:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.6	16.8	25.2

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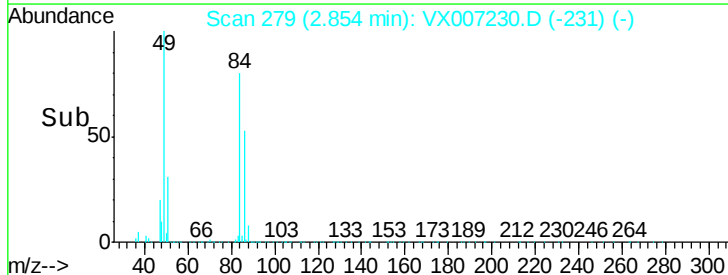
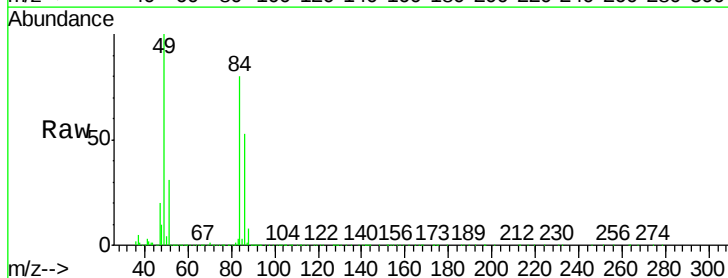
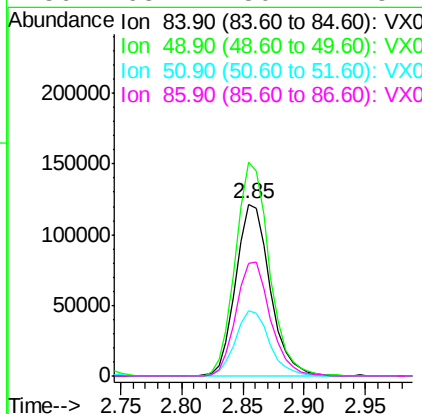
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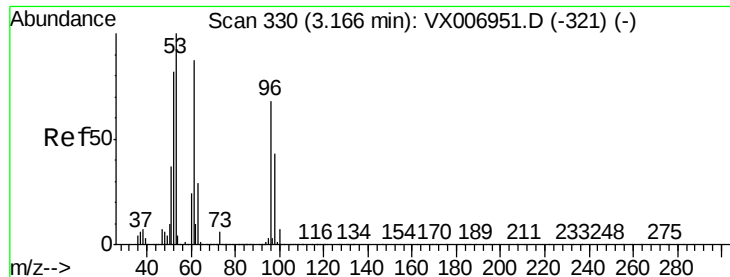


#20

Methylene Chloride
 Concen: 48.228 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. -0.01 min
 Lab File: VX007230.D
 Acq: 25 Jan 2019 15:34

Tgt Ion	Ratio	Lower	Upper
84	100		
49	124.3	91.8	137.6
51	38.2	28.5	42.7
86	65.7	50.2	75.2





#21

trans-1,2-Dichloroethene

Concen: 43.512 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX007230.D

Acq: 25 Jan 2019 15:34

Instrument :

MSVOA_X

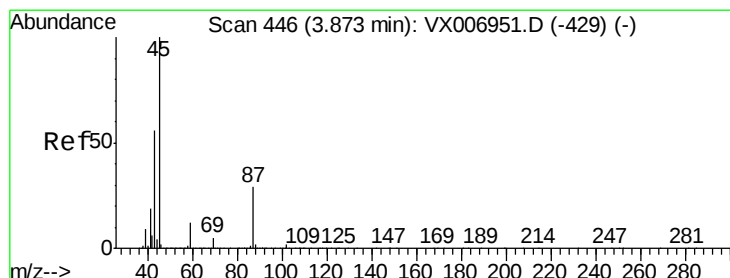
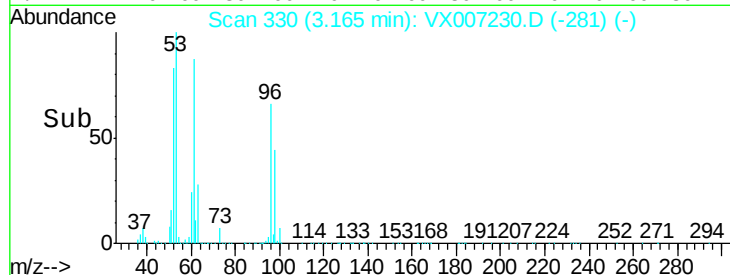
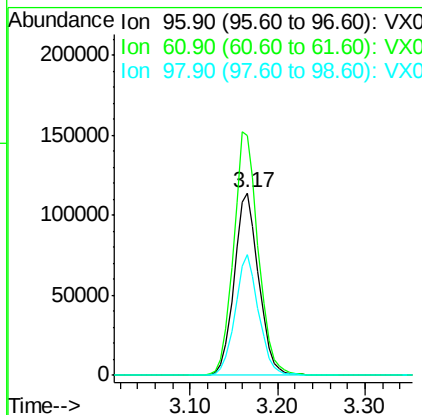
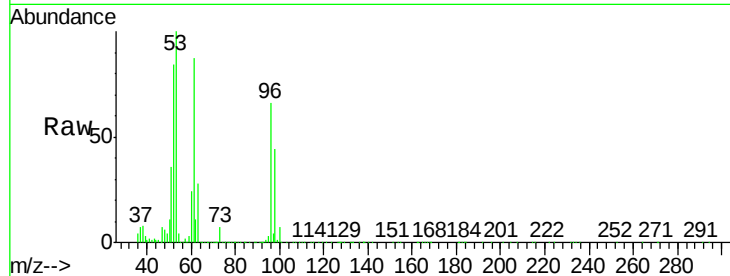
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	222613
Ion	Ratio	Lower	Upper
96	100		
61	131.2	103.7	155.5
98	66.1	51.0	76.6

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#22

Diisopropyl ether

Concen: 48.155 ug/l

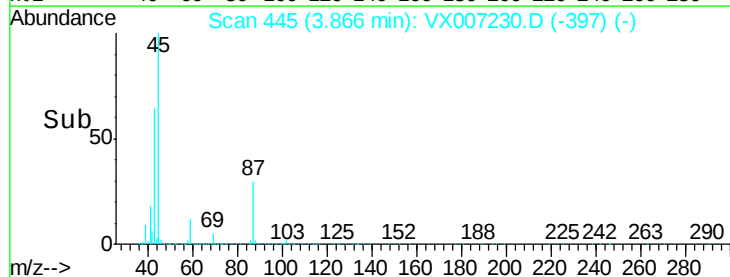
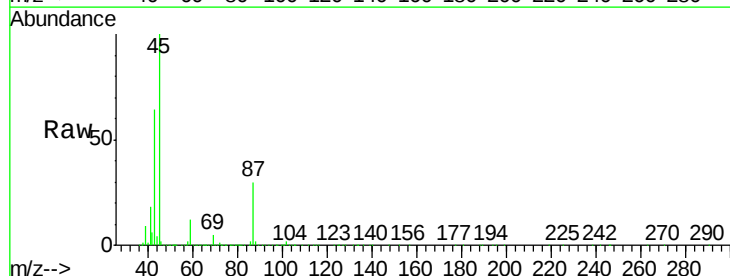
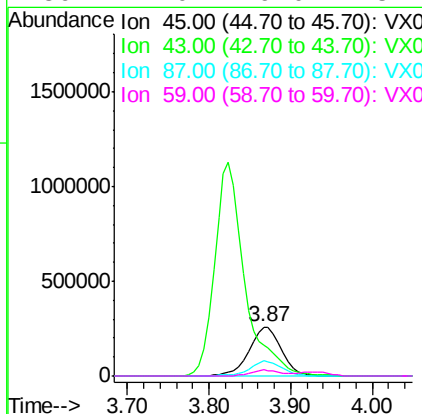
RT: 3.87 min Scan# 445

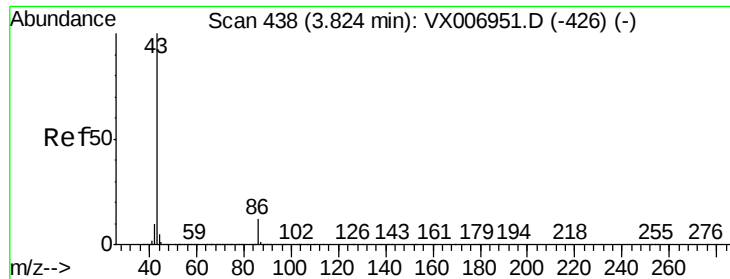
Delta R.T. -0.01 min

Lab File: VX007230.D

Acq: 25 Jan 2019 15:34

Tgt Ion:	45	Resp:	712299
Ion	Ratio	Lower	Upper
45	100		
43	62.9	51.2	76.8
87	30.5	25.8	38.6
59	12.0	9.0	13.4





#23

Vinyl Acetate

Concen: 233.598 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.00 min

Lab File: VX007230.D

Acq: 25 Jan 2019 15:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2913972

Ion Ratio Lower Upper

43 100

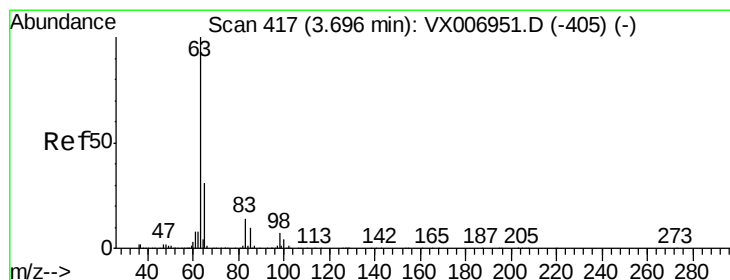
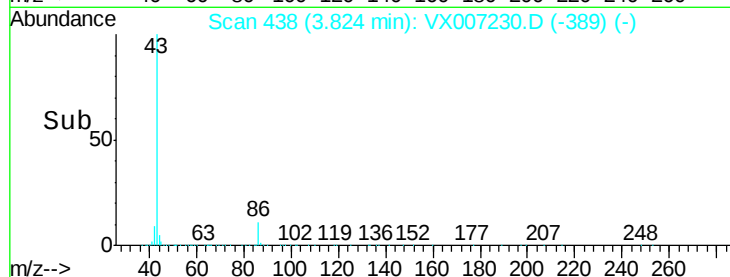
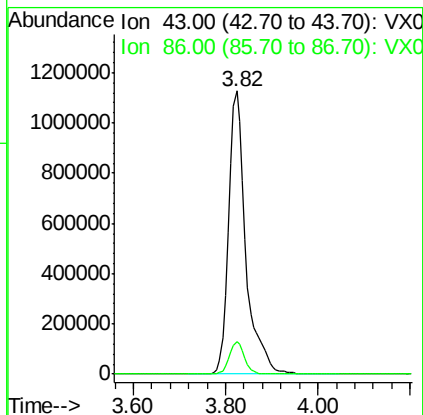
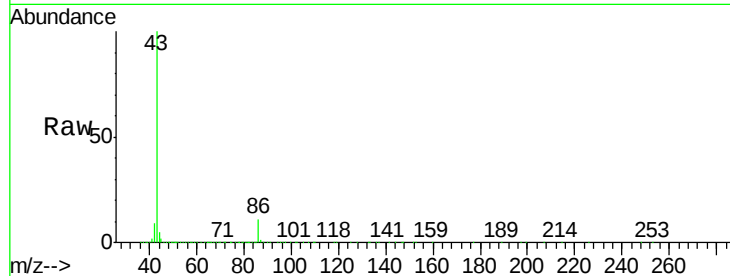
86 11.3 9.2 13.8

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#24

1,1-Dichloroethane

Concen: 48.559 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX007230.D

Acq: 25 Jan 2019 15:34

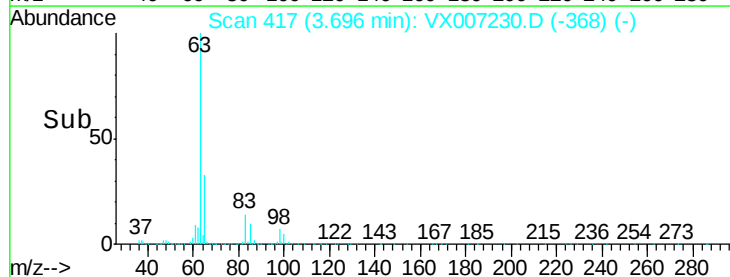
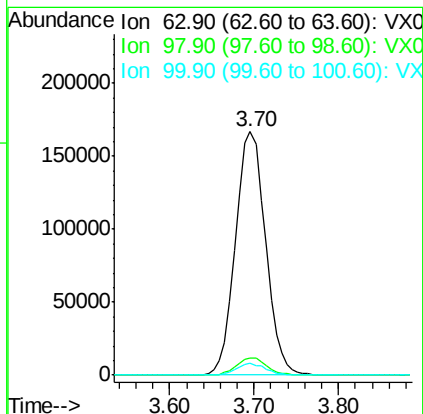
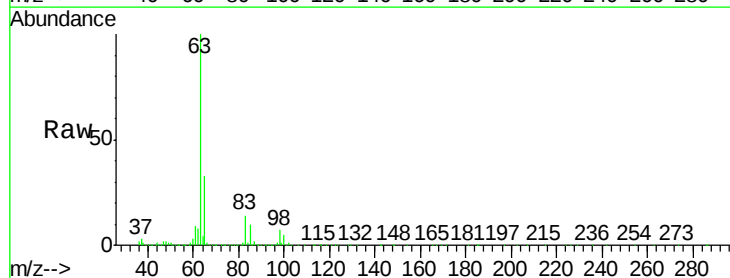
Tgt Ion: 63 Resp: 401632

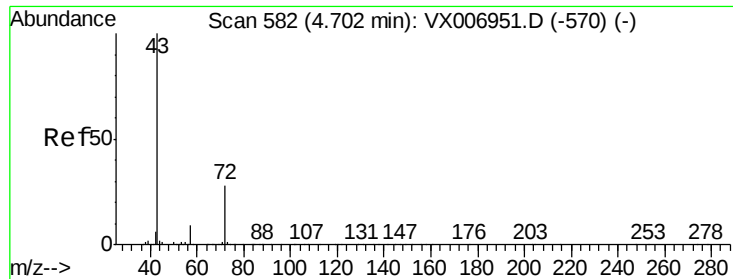
Ion Ratio Lower Upper

63 100

98 7.0 3.9 11.5

100 5.0 2.4 7.2





#25

2-Butanone

Concen: 241.341 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX007230.D

Acq: 25 Jan 2019 15:34

Tot Ion: 43 Resp: 891212

Ion Ratio Lower Upper

43 100

72 27.2 22.4 33.6

Instrument :

MSVOA_X

ClientSampleId :

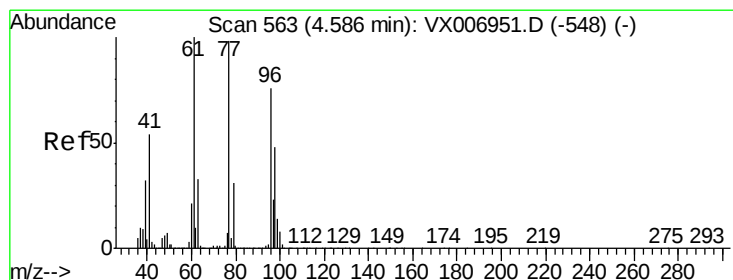
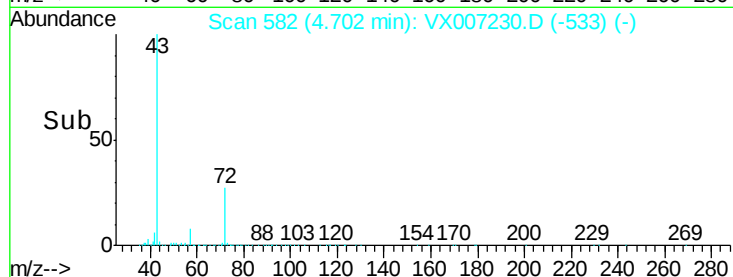
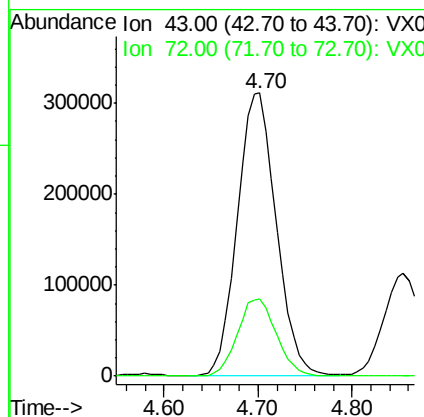
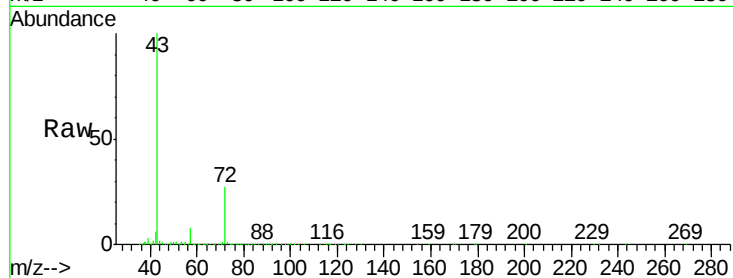
VSTDCCC050

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#26

2,2-Dichloropropane

Concen: 48.399 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.00 min

Lab File: VX007230.D

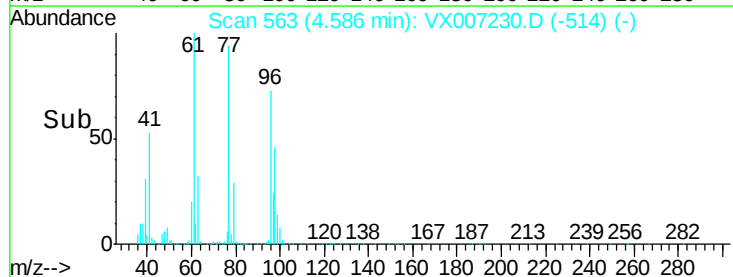
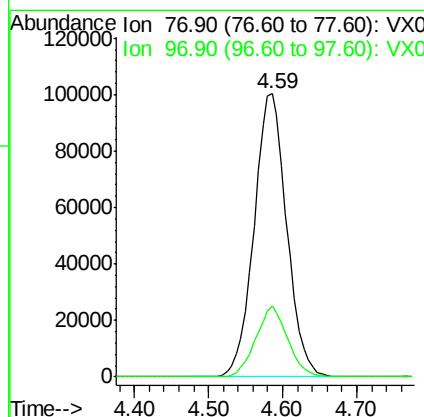
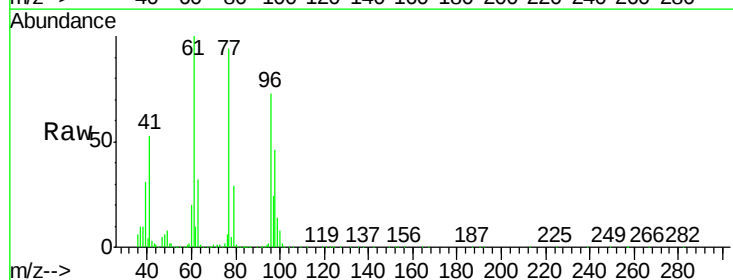
Acq: 25 Jan 2019 15:34

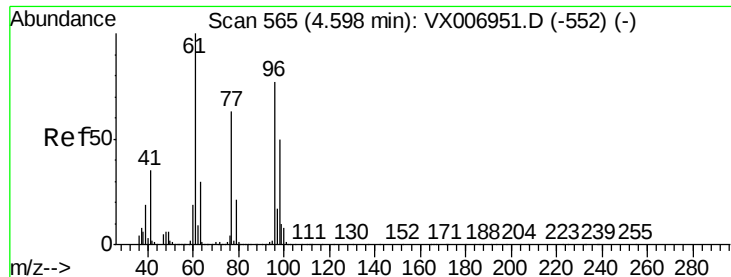
Tgt Ion: 77 Resp: 307825

Ion Ratio Lower Upper

77 100

97 24.6 12.4 37.4





#27

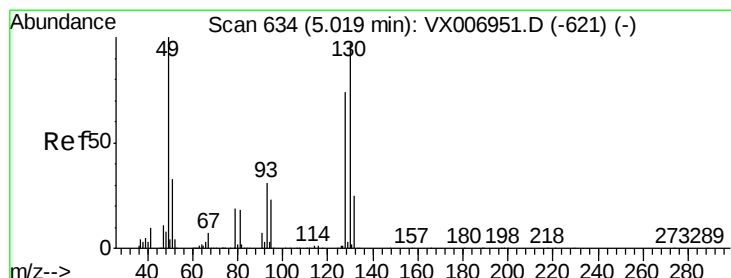
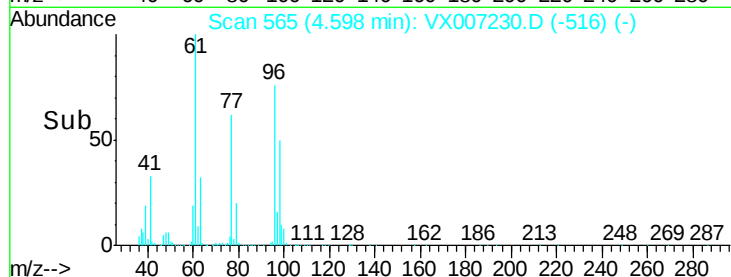
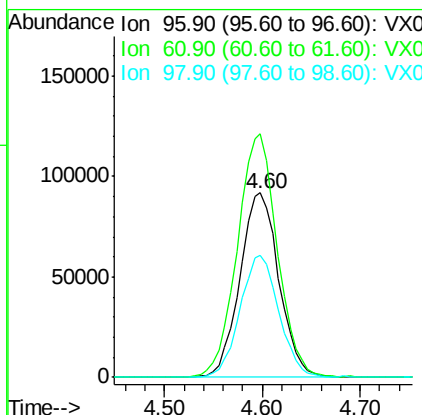
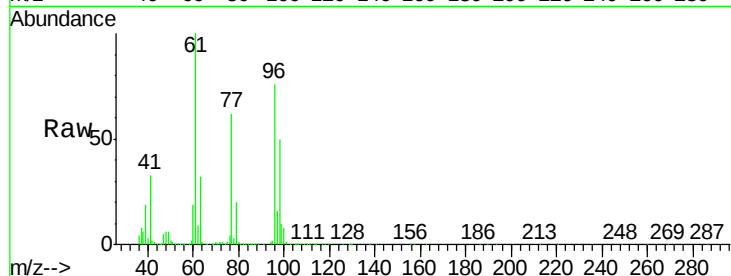
cis-1,2-Dichloroethene
Concen: 45.036 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX007230.D
Acq: 25 Jan 2019 15:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	134.8	0.0	258.6
98	65.9	0.0	132.0

Manual Integrations
APPROVED

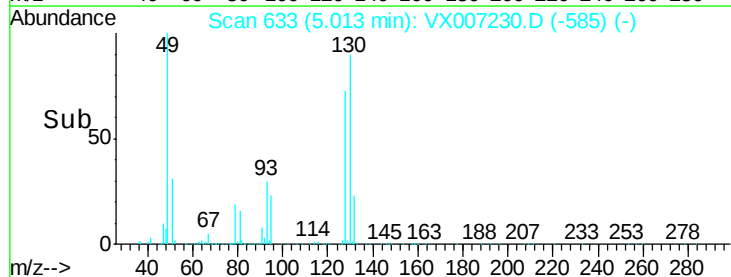
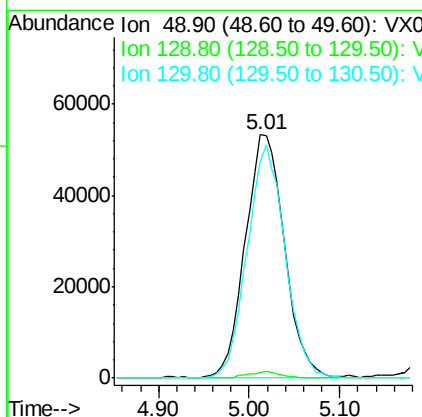
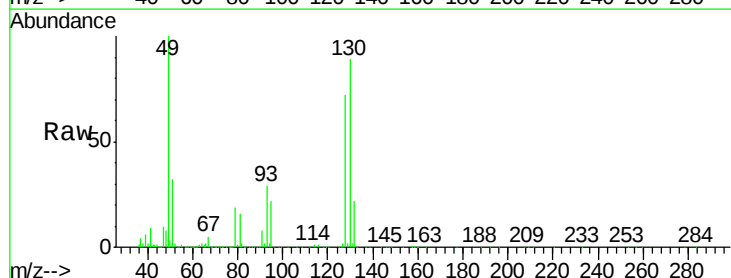
MMDadoda
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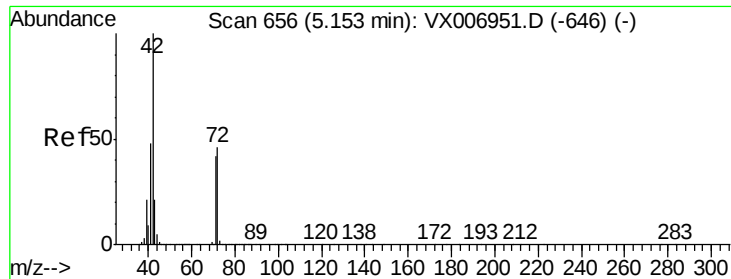


#28

Bromochloromethane
Concen: 43.975 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX007230.D
Acq: 25 Jan 2019 15:34

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	5.4
130	93.0	77.7	116.5





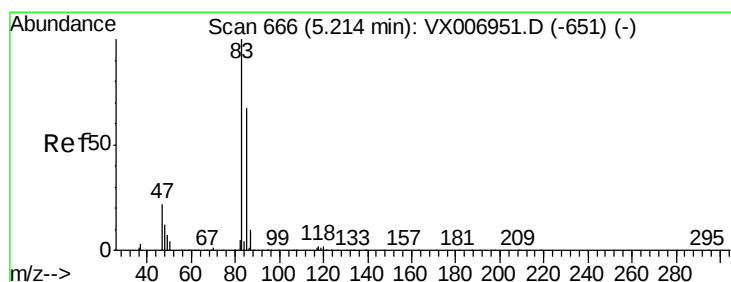
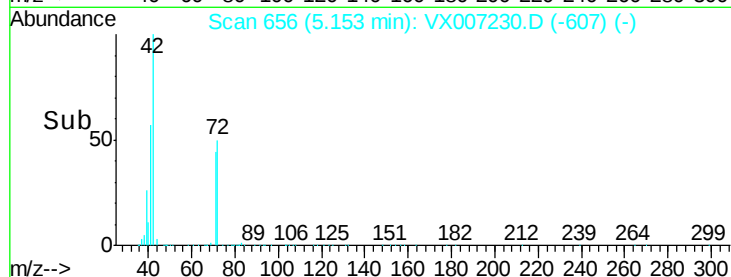
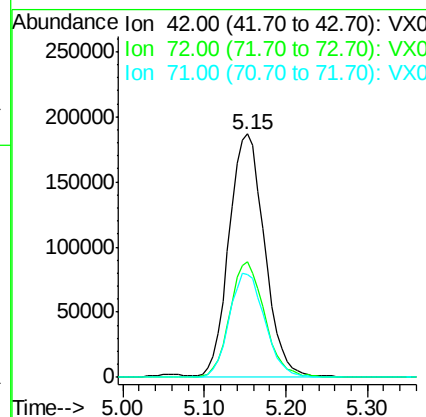
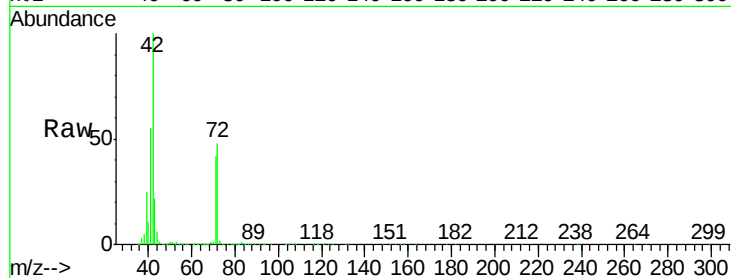
#29
Tetrahydrofuran
Concen: 233.915 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.00 min
Lab File: VX007230.D
Acq: 25 Jan 2019 15:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.4	38.9	58.3
71	43.1	36.2	54.4

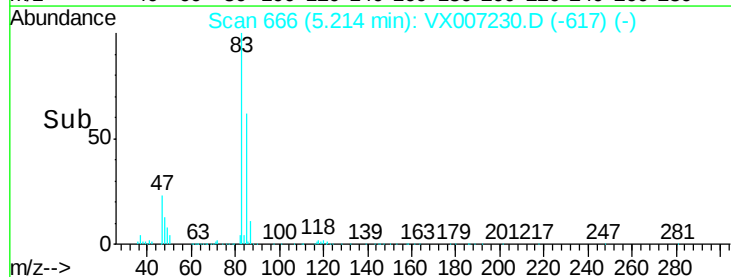
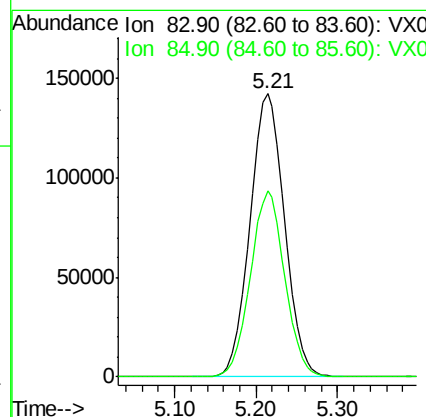
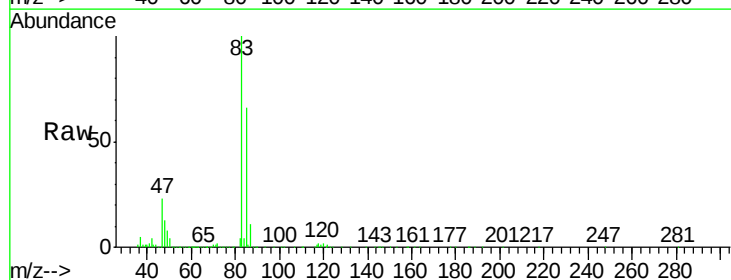
Manual Integrations
APPROVED

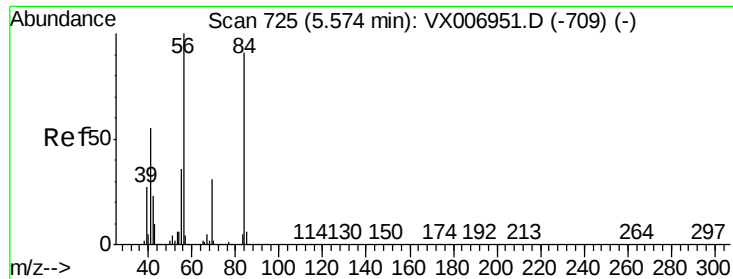
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#30
Chloroform
Concen: 48.540 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX007230.D
Acq: 25 Jan 2019 15:34

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	51.2	76.8





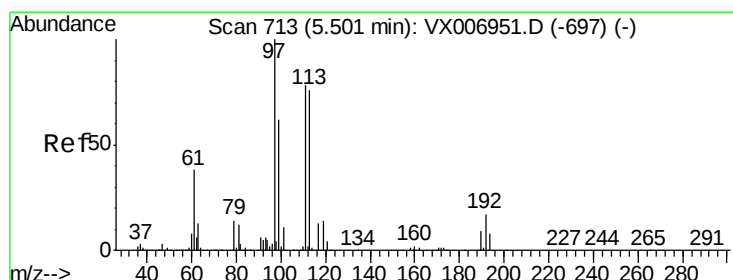
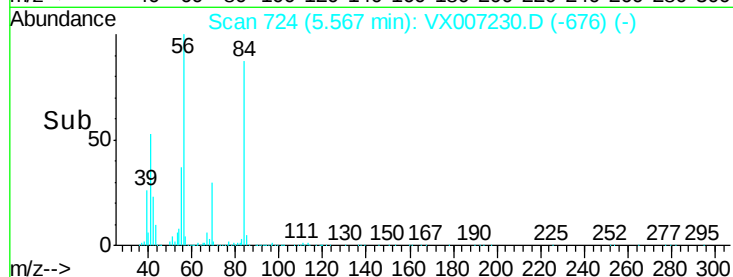
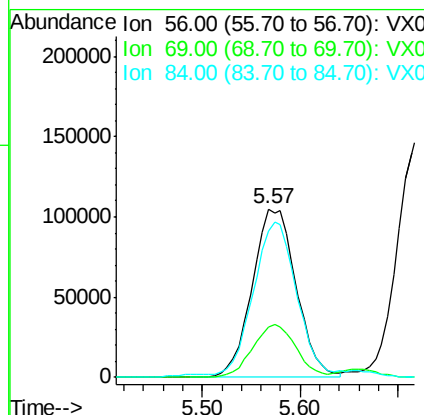
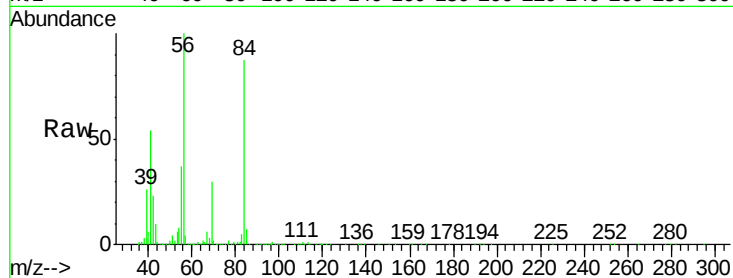
#31
Cyclohexane
Concen: 44.581 ug/l
RT: 5.57 min Scan# 724
Delta R.T. -0.01 min
Lab File: VX007230.D
Acq: 25 Jan 2019 15:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.2	24.4	36.6
84	85.3	70.0	105.0

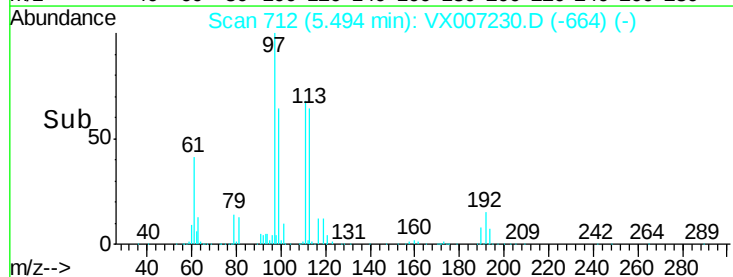
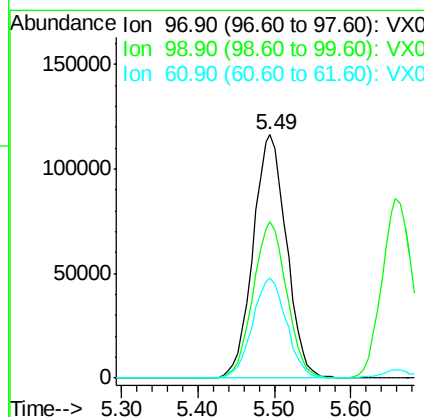
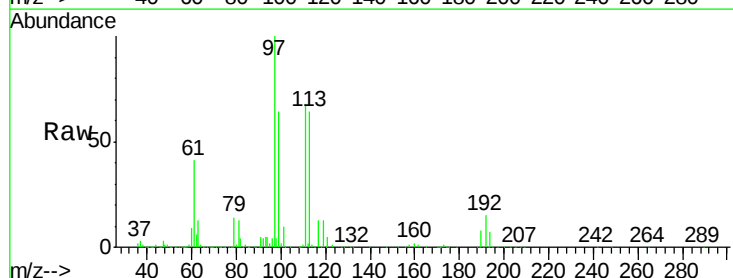
Manual Integrations
APPROVED

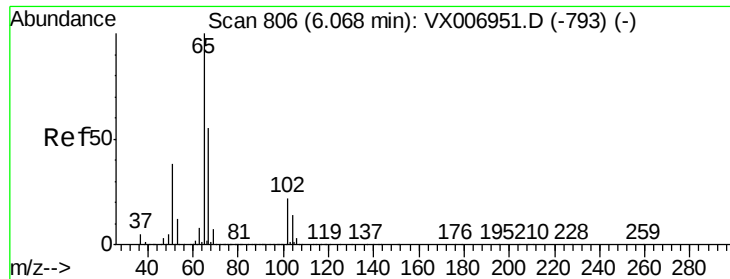
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#32
1,1,1-Trichloroethane
Concen: 48.143 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.01 min
Lab File: VX007230.D
Acq: 25 Jan 2019 15:34

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.7	77.5
61	41.6	31.3	46.9





#33

1,2-Dichloroethane-d4

Concen: 48.989 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX007230.D

Acq: 25 Jan 2019 15:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 255744

Ion Ratio Lower Upper

65 100

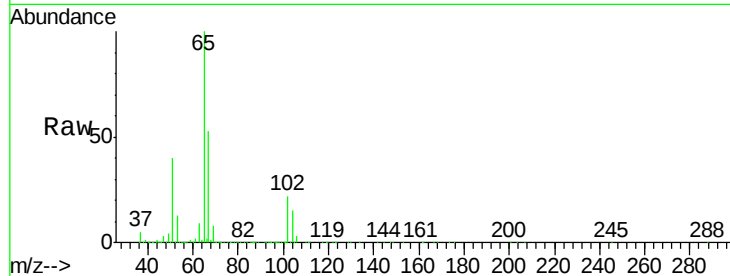
67 53.0 0.0 105.0

Manual Integrations

APPROVED

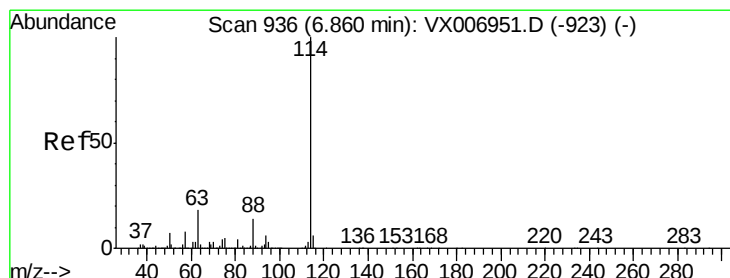
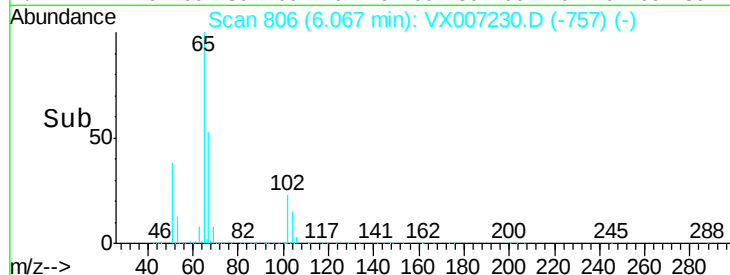
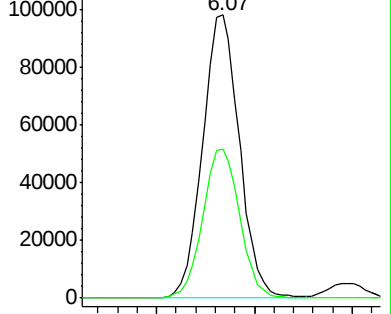
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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX007230.D

Acq: 25 Jan 2019 15:34

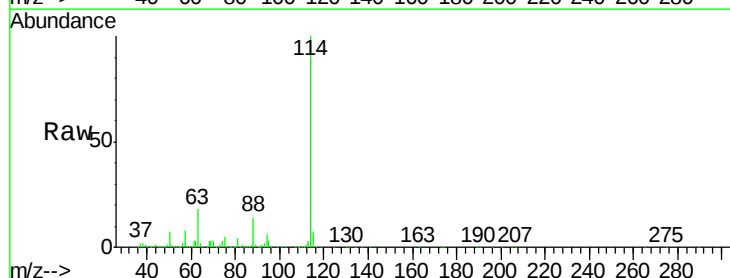
Tgt Ion: 114 Resp: 708383

Ion Ratio Lower Upper

114 100

63 17.8 0.0 34.8

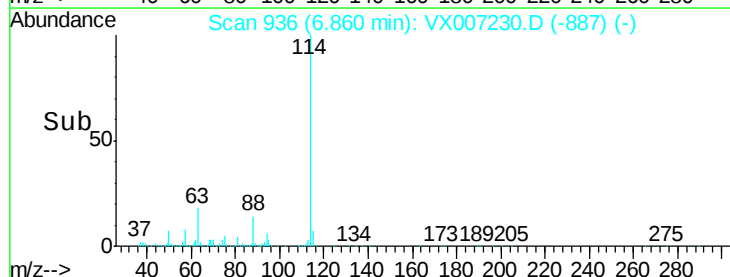
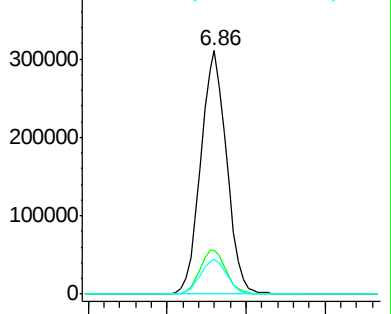
88 14.5 0.0 28.8

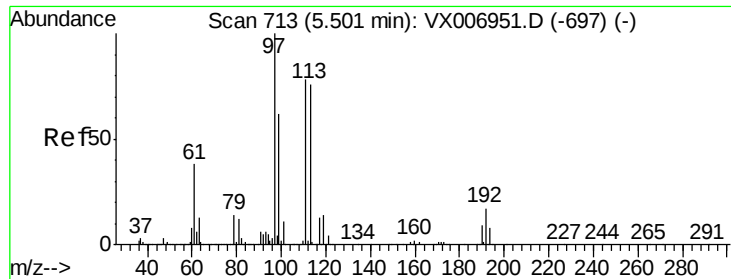


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 51.530 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX007230.D

Acq: 25 Jan 2019 15:34

Instrument :

MSVOA_X

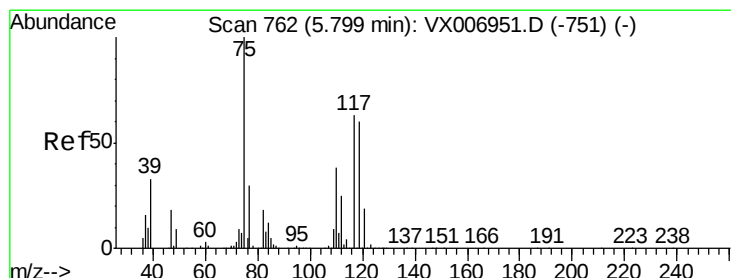
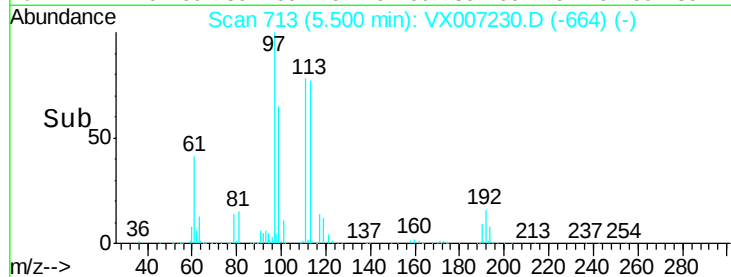
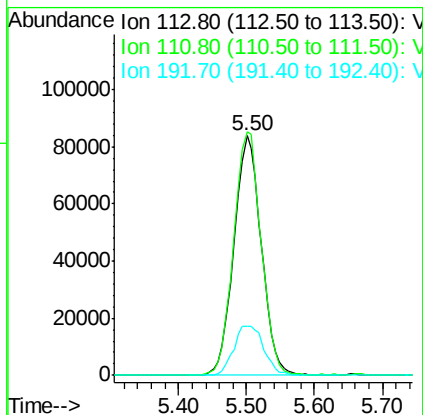
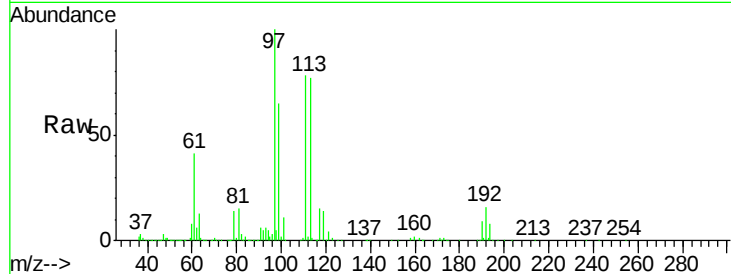
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	233763
Ion Ratio	Lower	Upper	
113	100		
111	102.2	81.6	122.4
192	22.8	16.7	25.1

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 47.610 ug/l

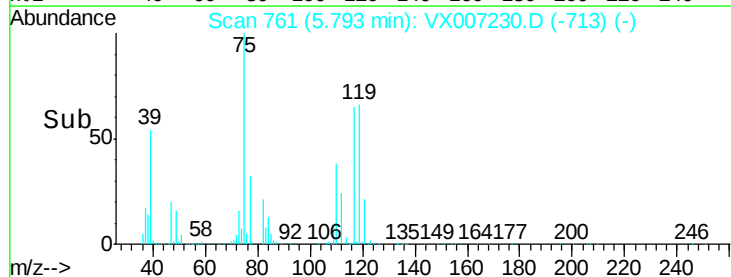
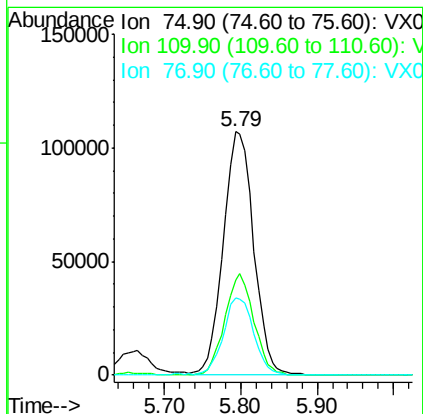
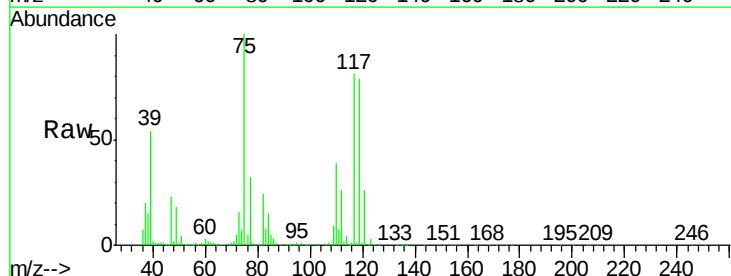
RT: 5.79 min Scan# 761

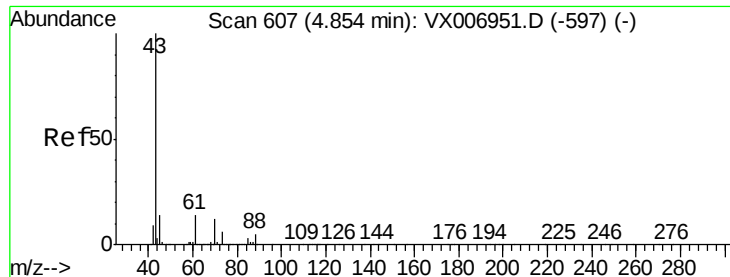
Delta R.T. -0.01 min

Lab File: VX007230.D

Acq: 25 Jan 2019 15:34

Tgt Ion:	75	Resp:	293223
Ion Ratio	Lower	Upper	
75	100		
110	40.0	20.2	60.5
77	31.5	24.8	37.2





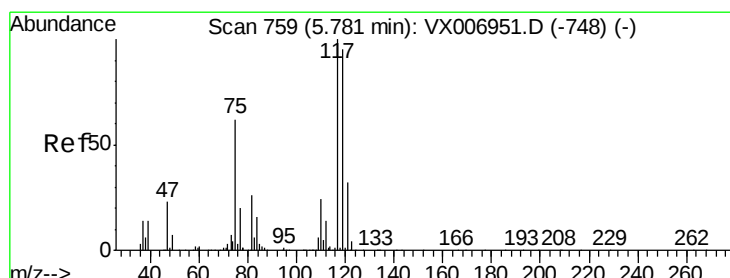
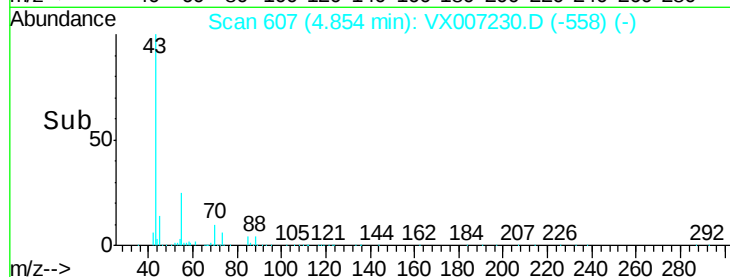
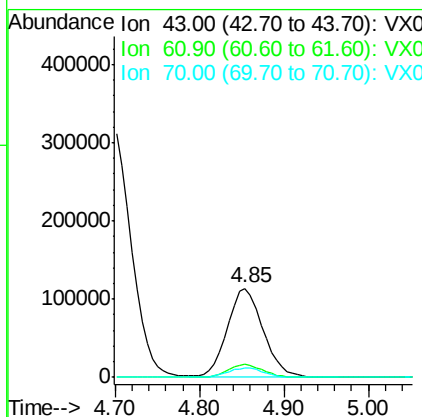
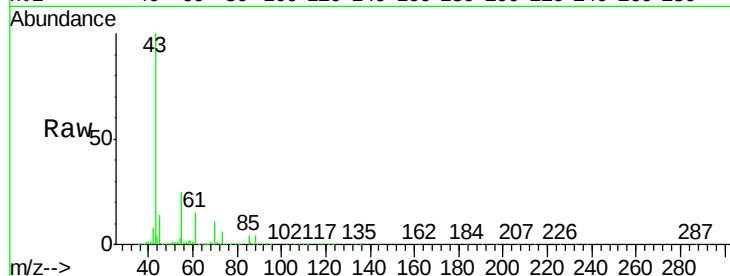
#37
Ethyl Acetate
Concen: 49.272 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.00 min
Lab File: VX007230.D
Acq: 25 Jan 2019 15:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.3	11.9	17.9
70	10.6	9.7	14.5

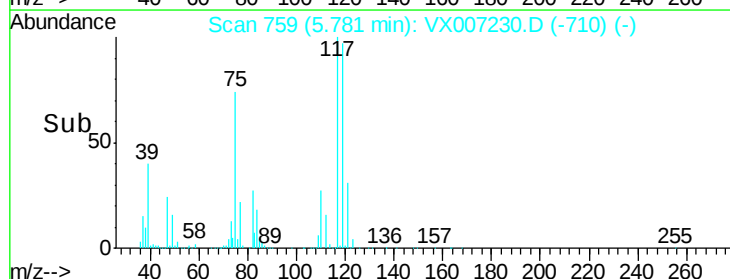
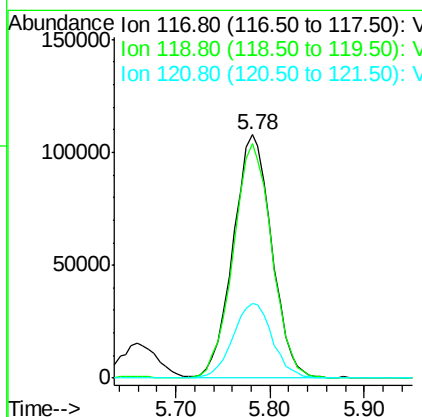
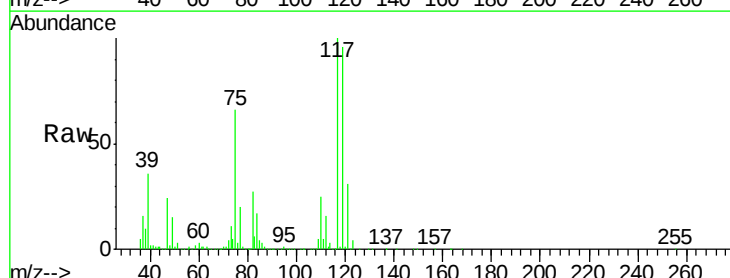
Manual Integrations
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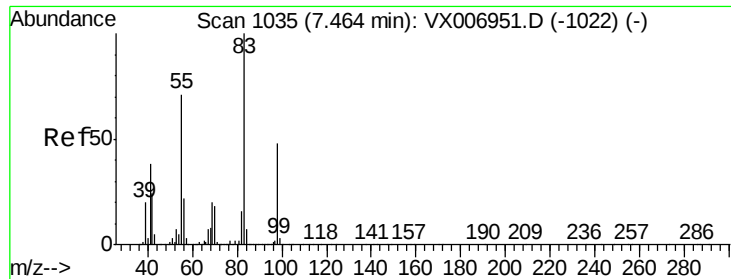
MMDadoda
1/28/2019 12:01:36 PM



#38
Carbon Tetrachloride
Concen: 49.587 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX007230.D
Acq: 25 Jan 2019 15:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.3	79.4	119.2
121	31.0	24.0	36.0





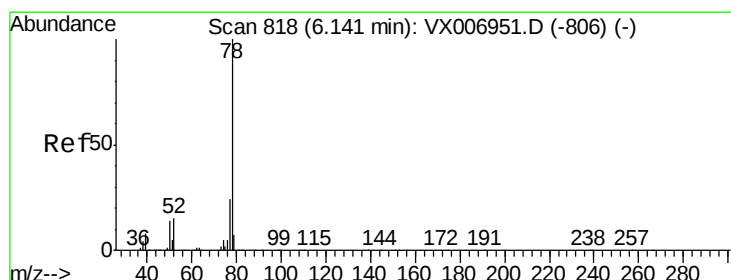
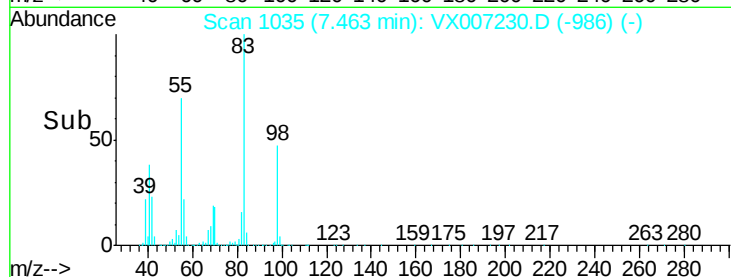
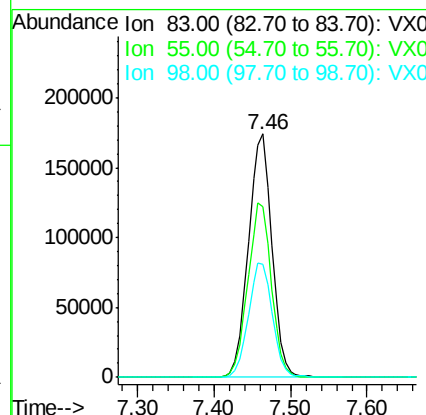
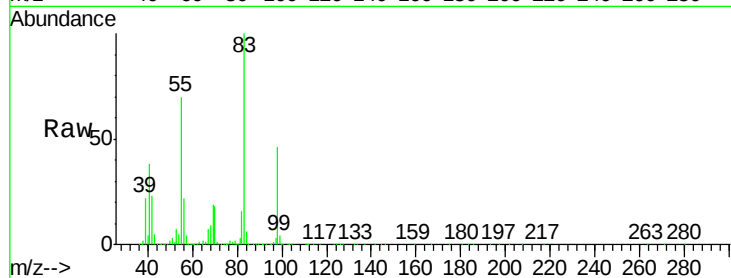
#39
Methvlcvclohexane
Concen: 47.182 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX007230.D
Acq: 25 Jan 2019 15:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	70.2	54.9	82.3
98	46.5	37.9	56.9

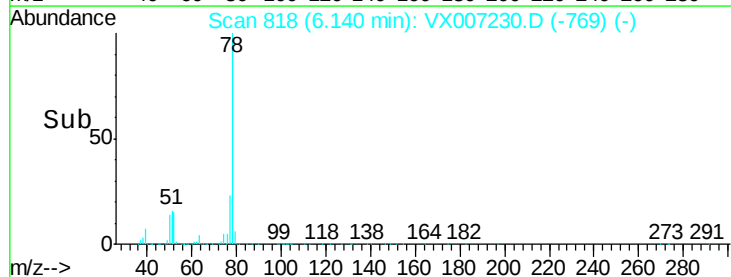
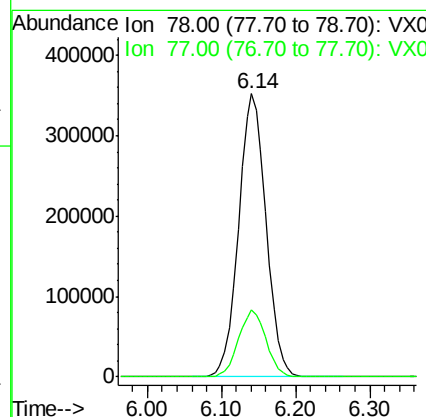
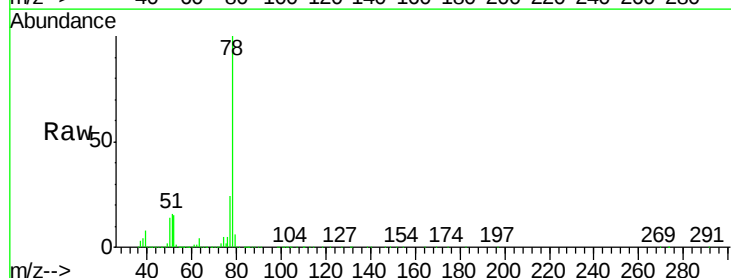
Manual Integrations
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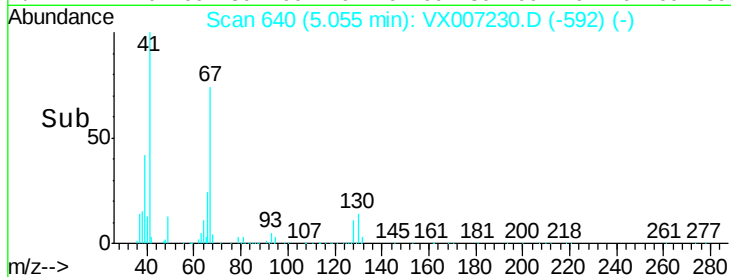
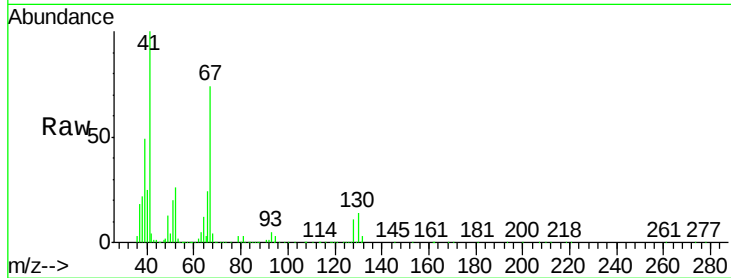
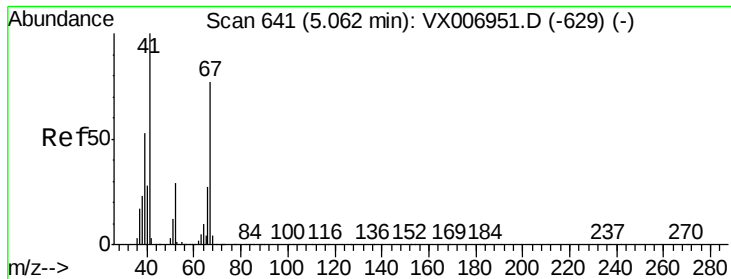
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#40
Benzene
Concen: 48.242 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX007230.D
Acq: 25 Jan 2019 15:34

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.2	28.8





#41

Methacrylonitrile

Concen: 48.061 ug/l

RT: 5.06 min Scan# 640

Delta R.T. -0.01 min

Lab File: VX007230.D

Acq: 25 Jan 2019 15:34

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		182812		
39	55.1	42.8	64.2		
67	76.4	62.1	93.1		
52	29.2	23.4	35.0		

Instrument :

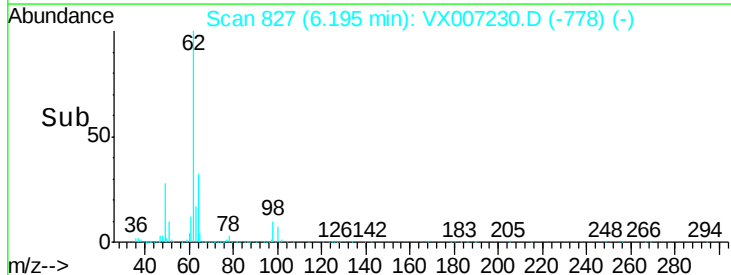
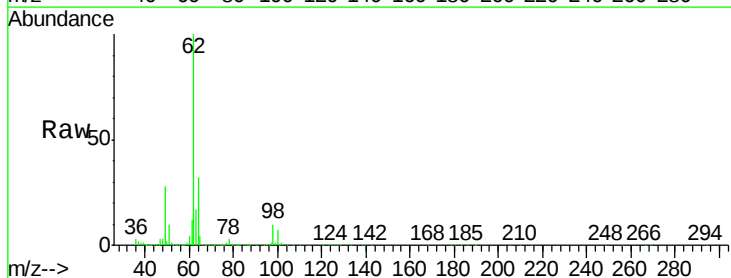
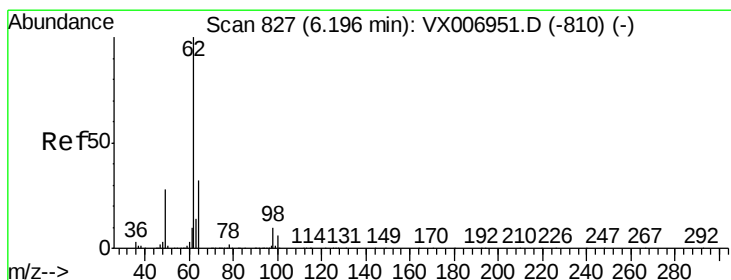
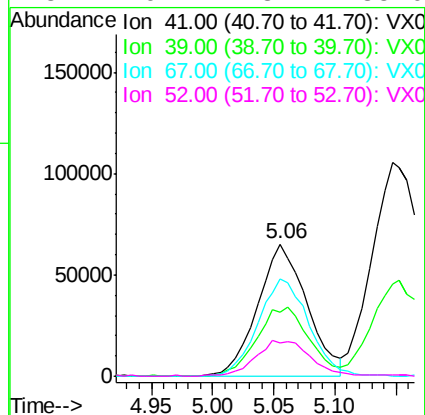
MSVOA_X

ClientSampleId :

VSTDCCC050

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 48.888 ug/l

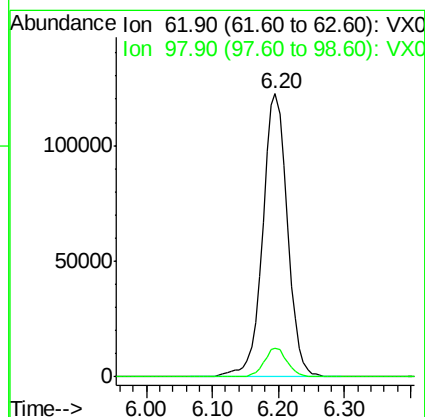
RT: 6.20 min Scan# 827

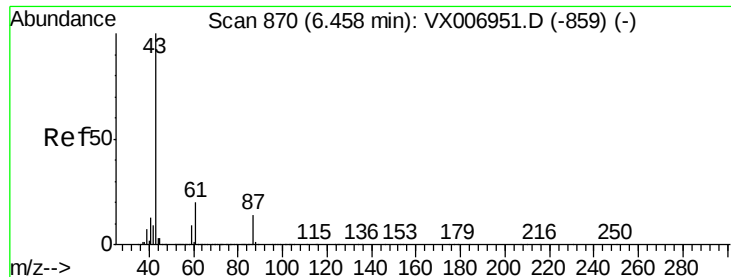
Delta R.T. -0.00 min

Lab File: VX007230.D

Acq: 25 Jan 2019 15:34

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		317475		
98	9.6	0.0	20.2		





#43

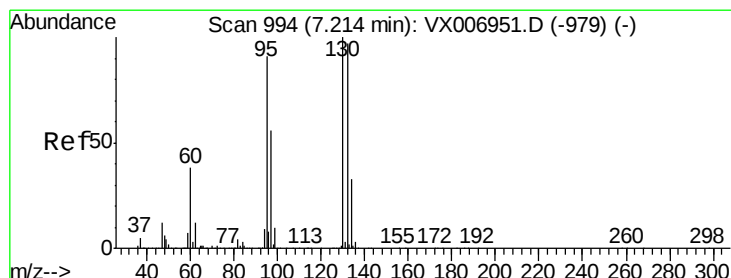
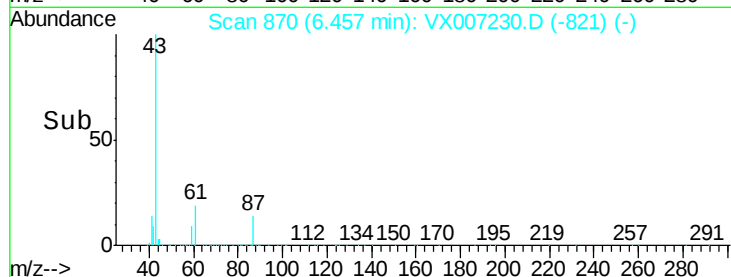
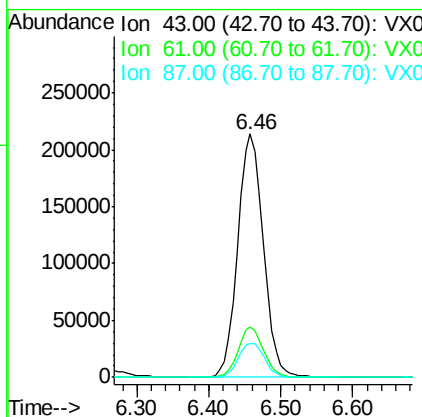
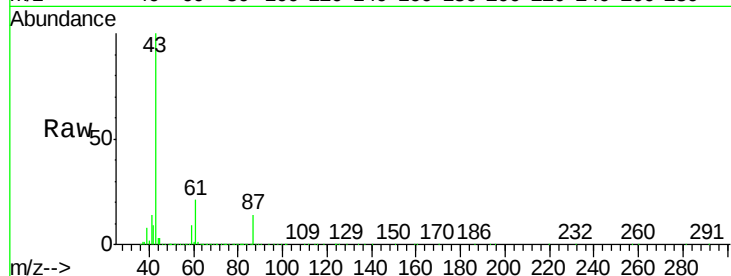
Isopropyl Acetate
 Concen: 50.624 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. -0.00 min
 Lab File: VX007230.D
 Acq: 25 Jan 2019 15:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.5	16.8	25.2
87	14.6	12.4	18.6

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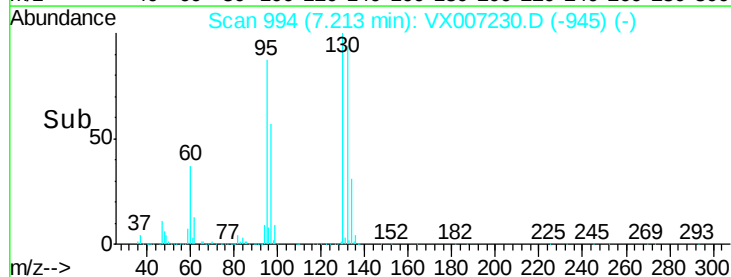
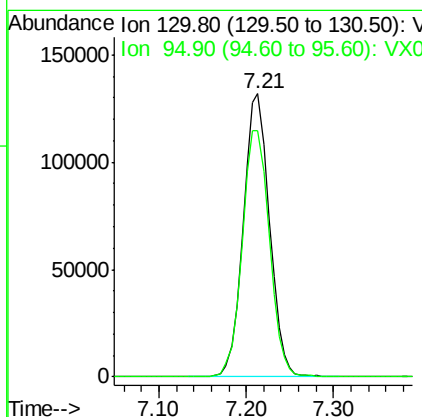
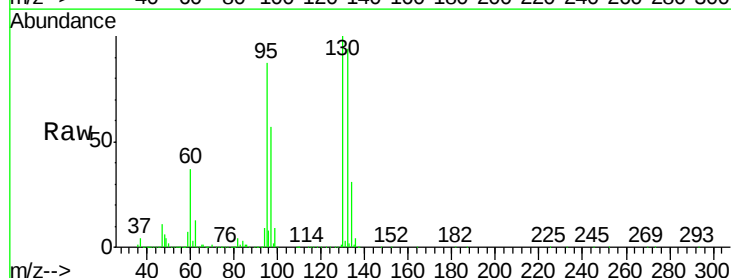
MMDadoda
 1/28/2019 12:01:36 PM

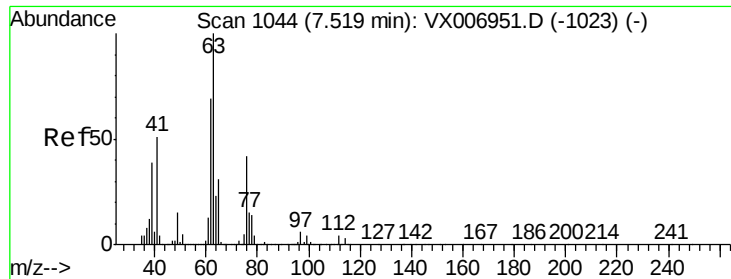


#44

Trichloroethene
 Concen: 48.747 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX007230.D
 Acq: 25 Jan 2019 15:34

Tgt Ion	Ratio	Lower	Upper
130	100		
95	87.1	0.0	187.0





#45

1,2-Dichloropropane

Concen: 49.960 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VX007230.D

Acq: 25 Jan 2019 15:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 236037

Ion Ratio Lower Upper

63 100

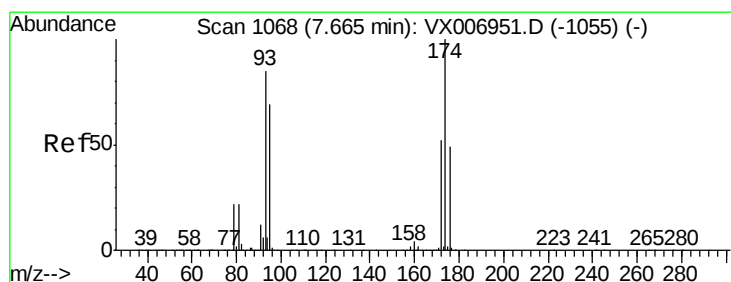
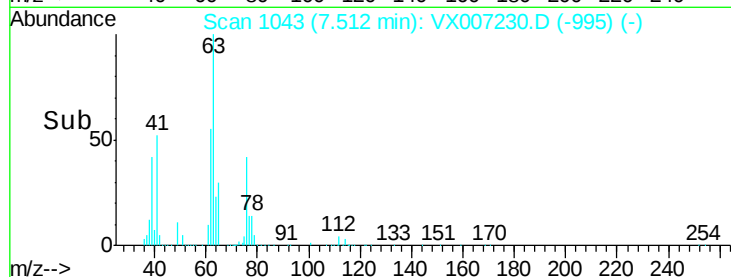
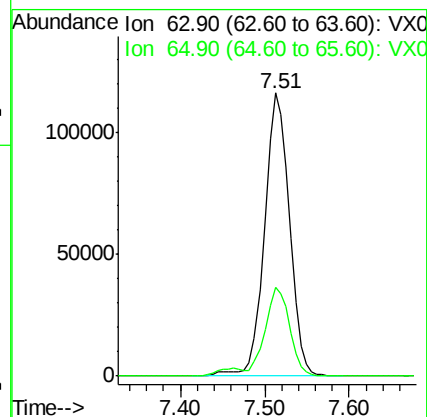
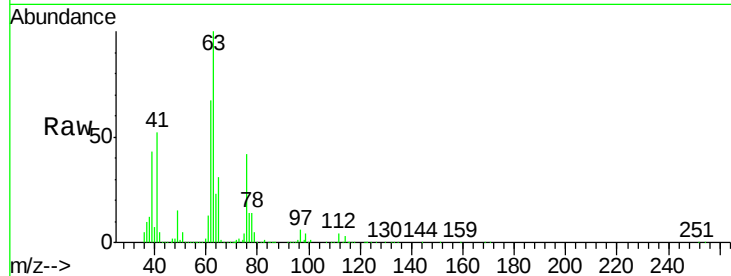
65 31.2 25.4 38.0

Manual Integrations

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#46

Dibromomethane

Concen: 49.588 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.01 min

Lab File: VX007230.D

Acq: 25 Jan 2019 15:34

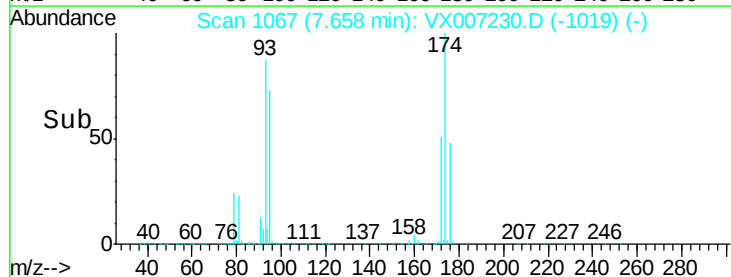
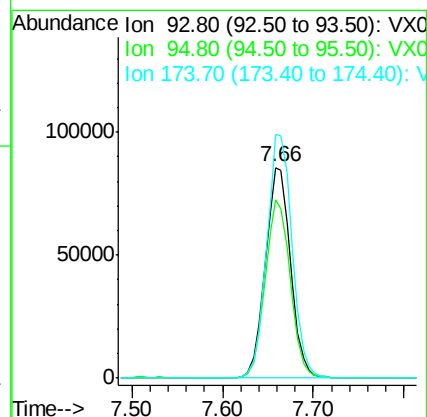
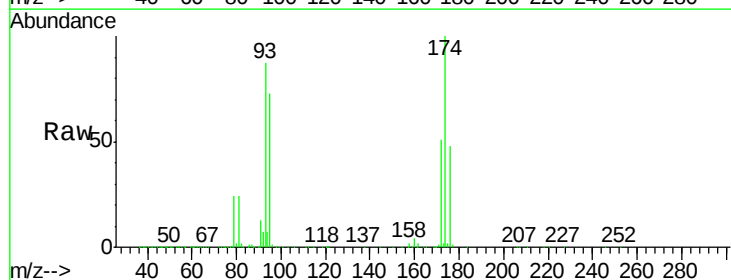
Tgt Ion: 93 Resp: 164652

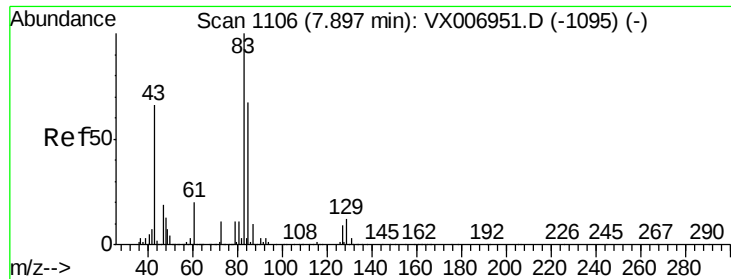
Ion Ratio Lower Upper

93 100

95 84.2 66.2 99.4

174 116.8 91.0 136.4





#47

Bromodichloromethane

Concen: 53.409 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX007230.D

Acq: 25 Jan 2019 15:34

Instrument :

MSVOA_X

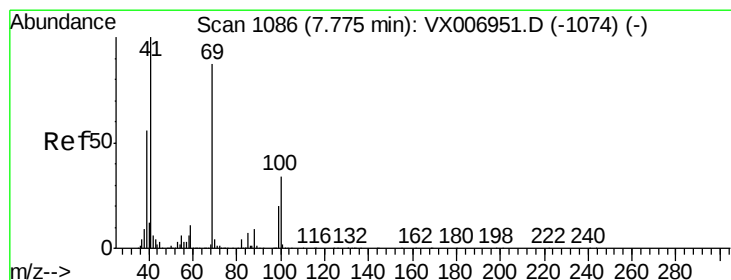
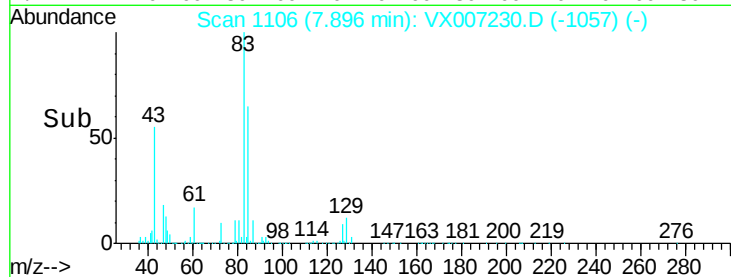
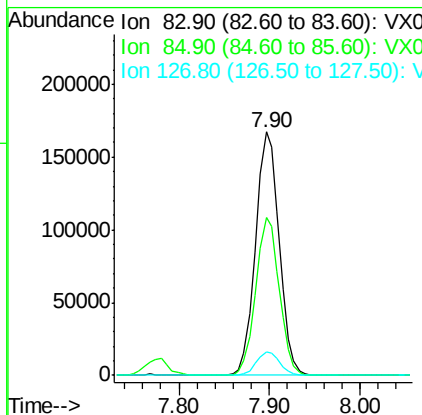
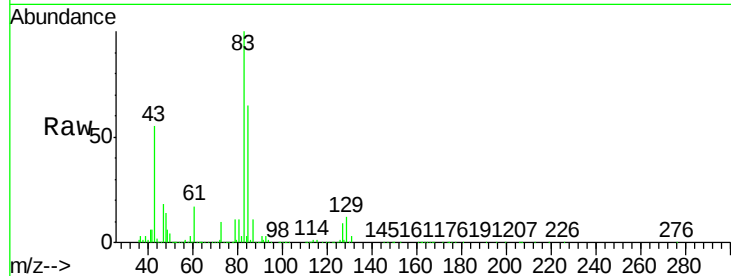
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	301856
Ion	Ratio	Lower	Upper
83	100		
85	64.8	53.2	79.8
127	9.5	7.8	11.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 51.179 ug/l

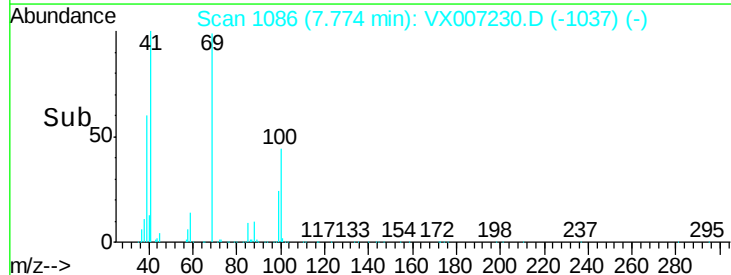
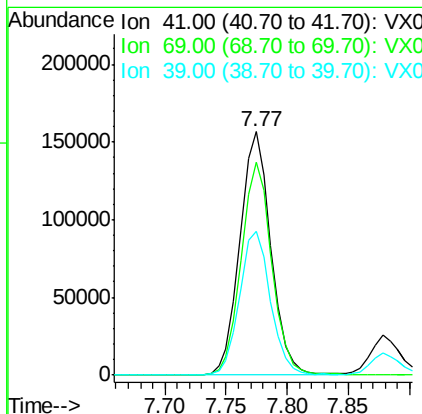
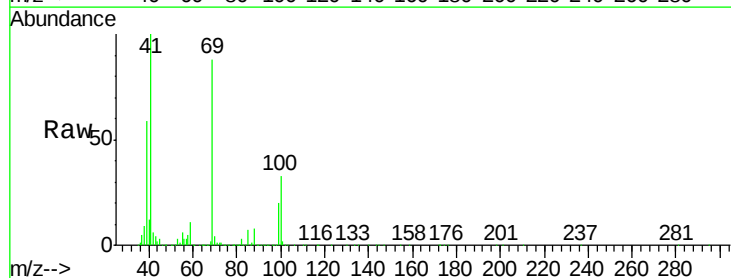
RT: 7.77 min Scan# 1086

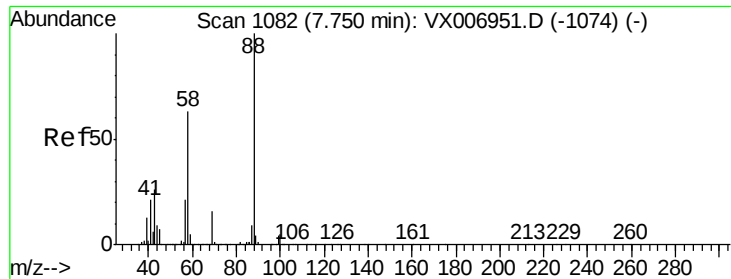
Delta R.T. -0.00 min

Lab File: VX007230.D

Acq: 25 Jan 2019 15:34

Tgt Ion:	41	Resp:	273731
Ion	Ratio	Lower	Upper
41	100		
69	86.9	72.4	108.6
39	59.2	45.8	68.8





#49

1,4-Dioxane

Concen: 959.540 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. -0.00 min

Lab File: VX007230.D

Acq: 25 Jan 2019 15:34

Instrument :

MSVOA_X

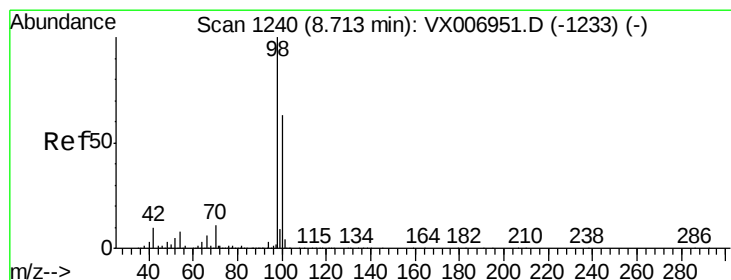
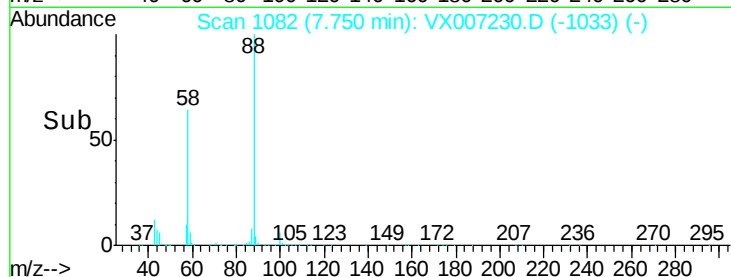
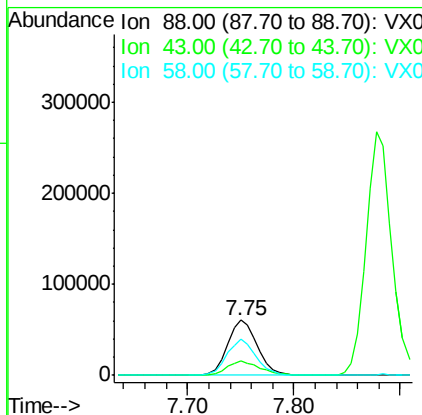
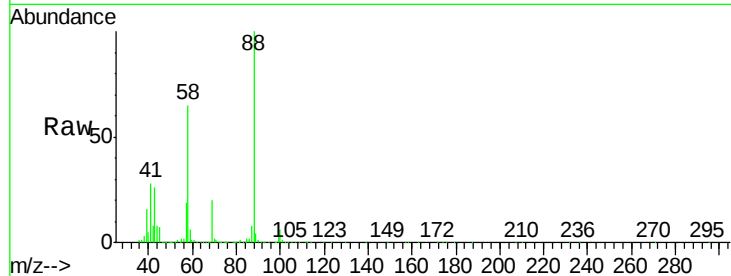
ClientSampleId :

VSTDCCC050

Tot Ion:	88	Resp:	117244
Ion	Ratio	Lower	Upper
88	100		
43	29.1	22.2	33.4
58	63.9	51.0	76.4

Manual Integrations
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#50

Toluene-d8

Concen: 51.584 ug/l

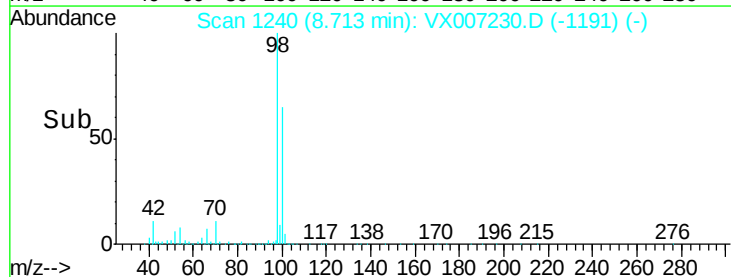
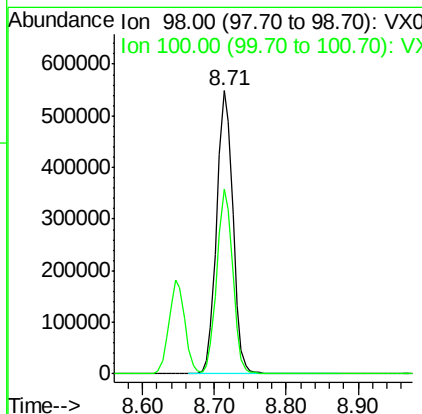
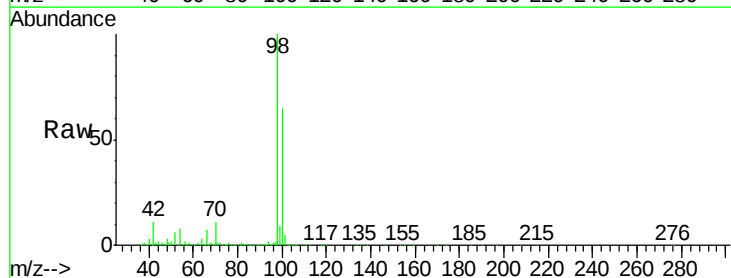
RT: 8.71 min Scan# 1240

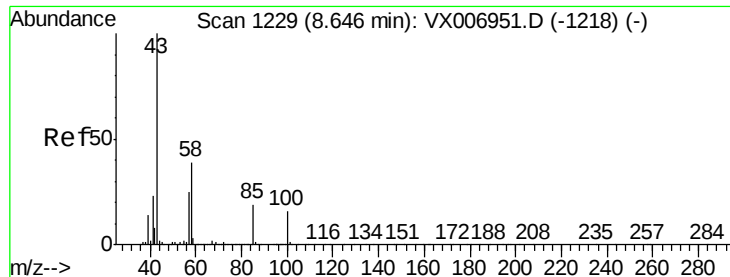
Delta R.T. -0.00 min

Lab File: VX007230.D

Acq: 25 Jan 2019 15:34

Tgt Ion:	98	Resp:	856538
Ion	Ratio	Lower	Upper
98	100		
100	63.9	52.0	78.0





#51

4-Methyl-2-Pentanone

Concen: 260.447 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VX007230.D

Acq: 25 Jan 2019 15:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1743252

Ion Ratio Lower Upper

43 100

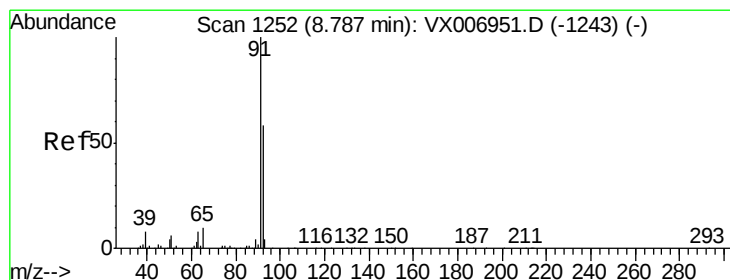
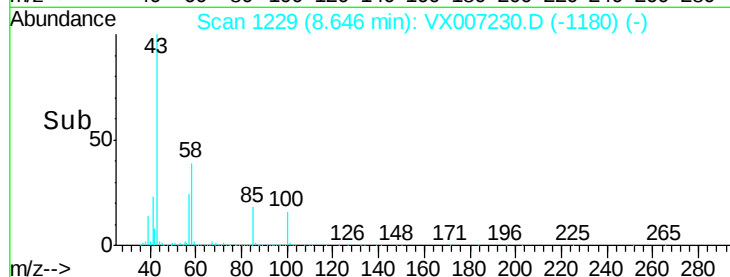
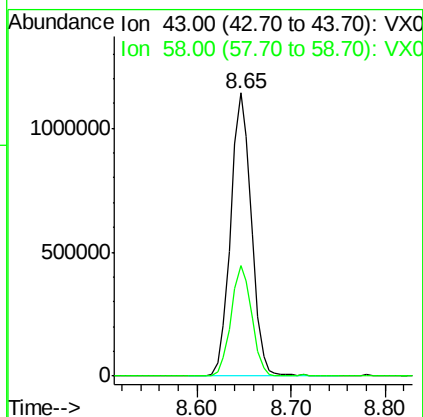
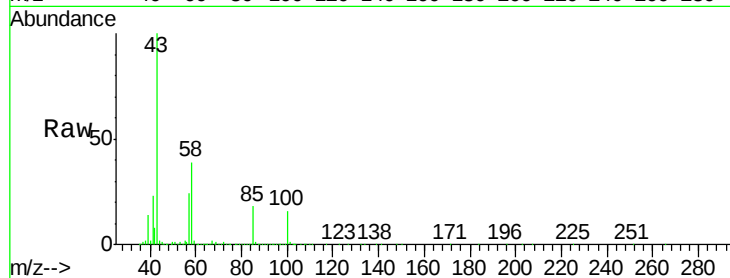
58 38.9 31.8 47.6

Manual Integrations

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#52

Toluene

Concen: 49.301 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX007230.D

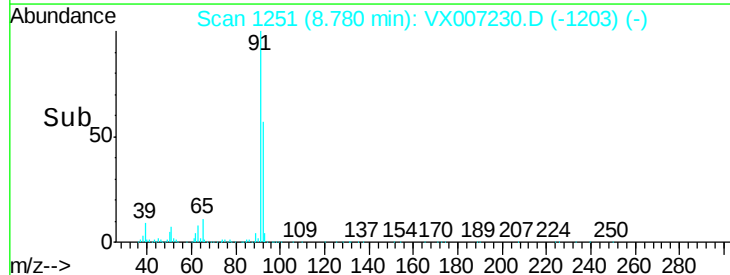
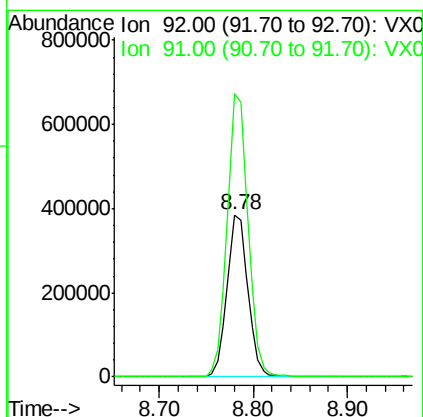
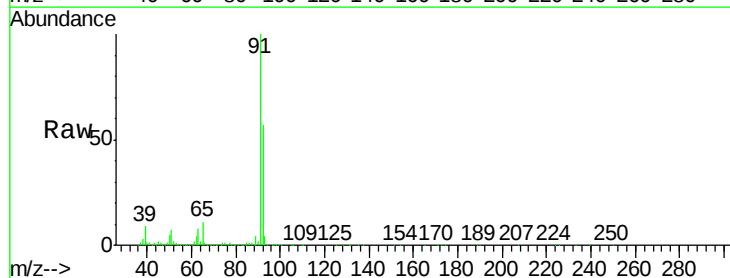
Acq: 25 Jan 2019 15:34

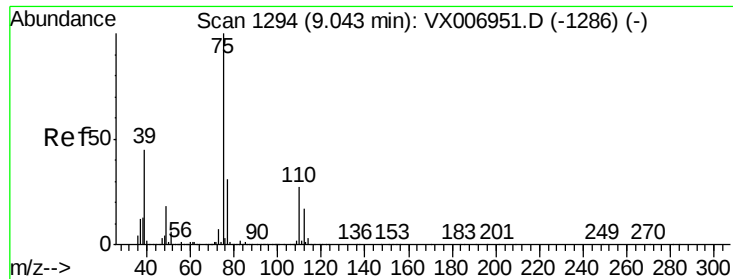
Tgt Ion: 92 Resp: 595486

Ion Ratio Lower Upper

92 100

91 175.0 137.6 206.4





#53

t-1,3-Dichloropropene

Concen: 53.669 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX007230.D

Acq: 25 Jan 2019 15:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 336348

Ion Ratio Lower Upper

75 100

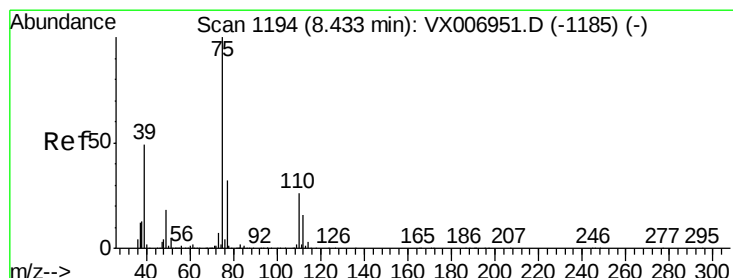
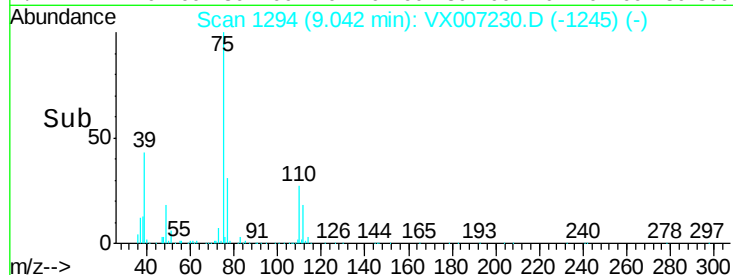
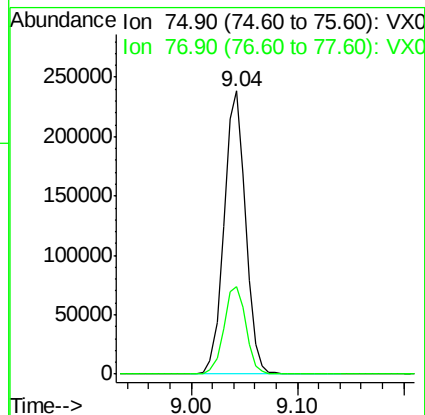
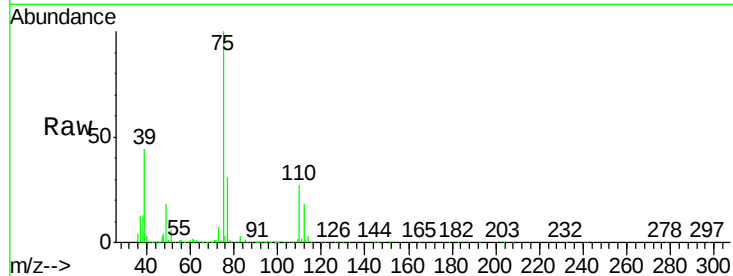
77 31.0 25.4 38.0

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 53.310 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX007230.D

Acq: 25 Jan 2019 15:34

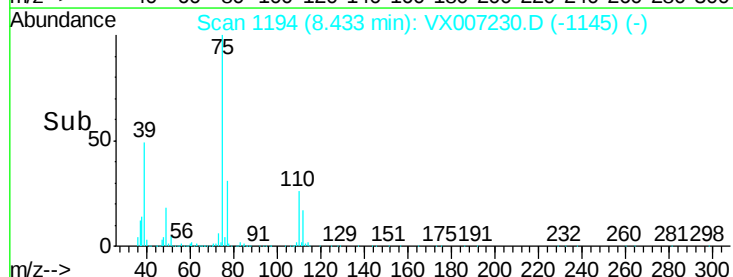
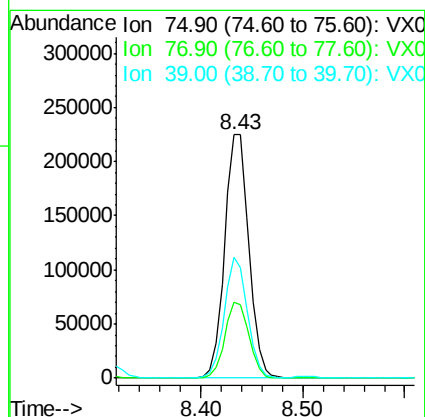
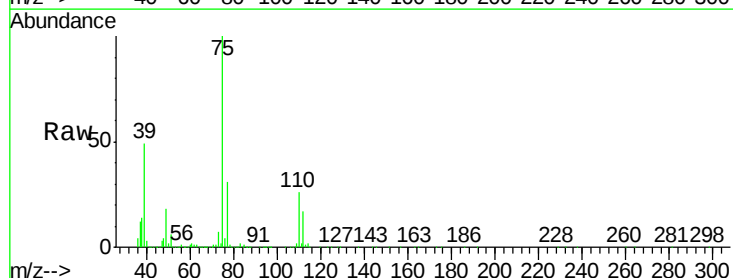
Tgt Ion: 75 Resp: 368959

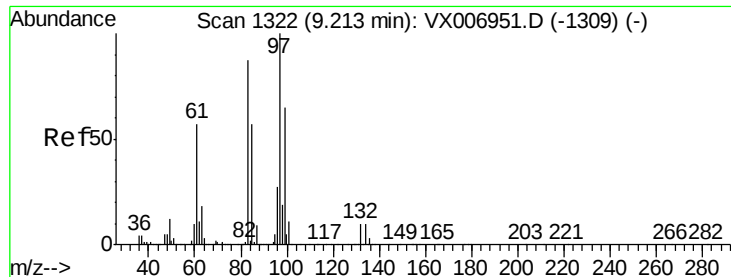
Ion Ratio Lower Upper

75 100

77 31.4 26.2 39.2

39 49.2 36.7 55.1





#55

1,1,2-Trichloroethane

Concen: 52.543 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VX007230.D

Acq: 25 Jan 2019 15:34

Instrument :

MSVOA_X

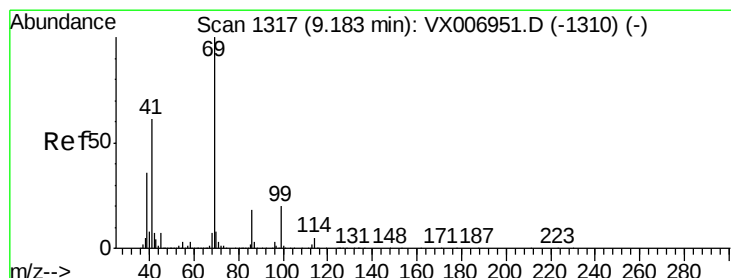
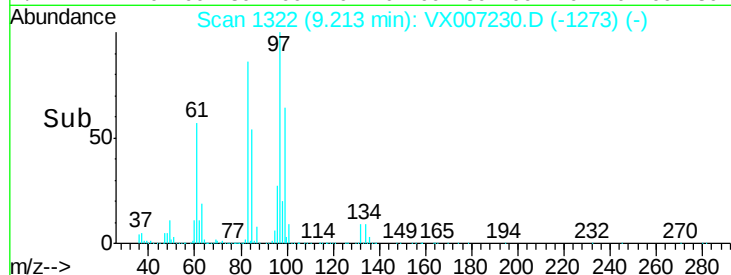
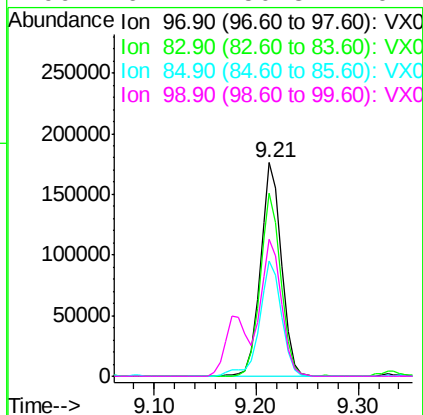
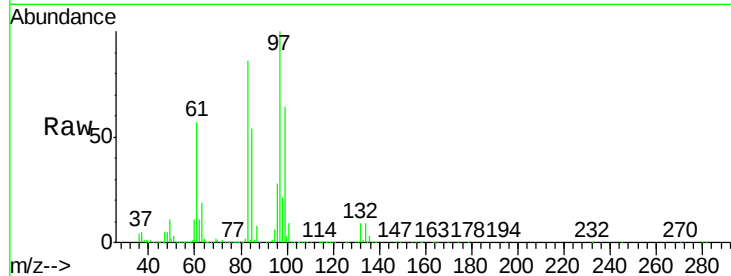
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	254024
Ion Ratio	Lower	Upper	
97	100		
83	86.0	66.6	99.8
85	54.2	42.7	64.1
99	64.4	50.8	76.2

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#56

Ethyl methacrylate

Concen: 52.028 ug/l

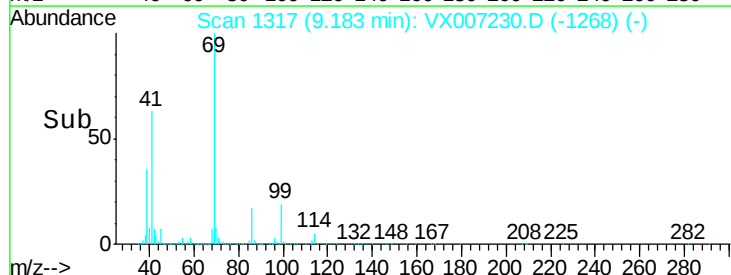
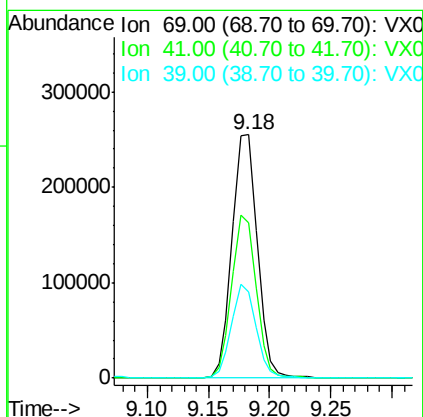
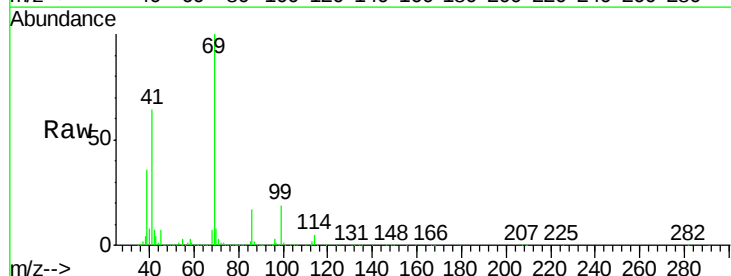
RT: 9.18 min Scan# 1317

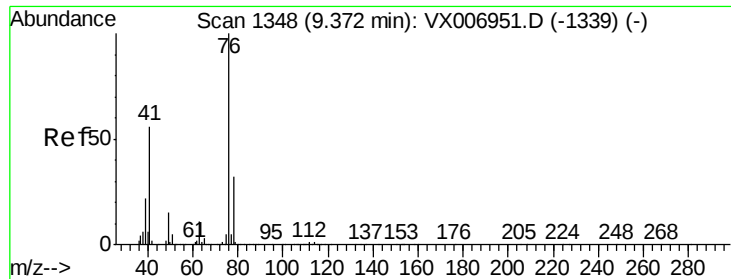
Delta R.T. -0.00 min

Lab File: VX007230.D

Acq: 25 Jan 2019 15:34

Tgt Ion:	69	Resp:	367204
Ion Ratio	Lower	Upper	
69	100		
41	64.7	48.7	73.1
39	37.0	27.0	40.6





#57

1,3-Dichloropropane

Concen: 51.411 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX007230.D

Acq: 25 Jan 2019 15:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 407196

Ion Ratio Lower Upper

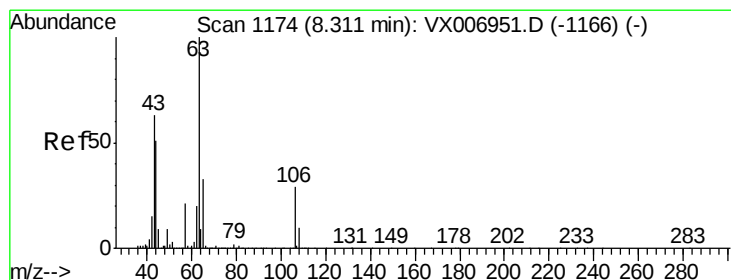
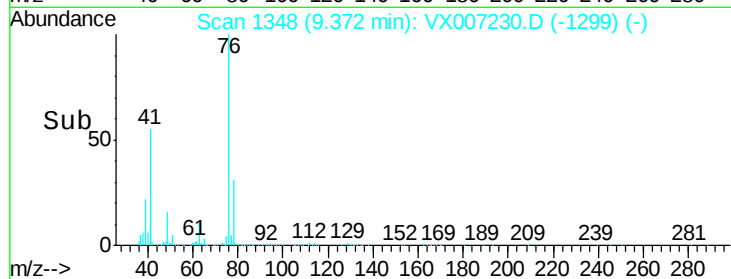
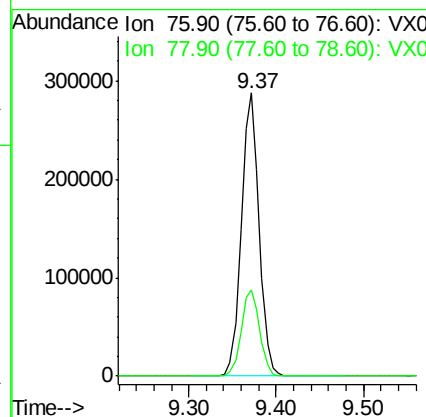
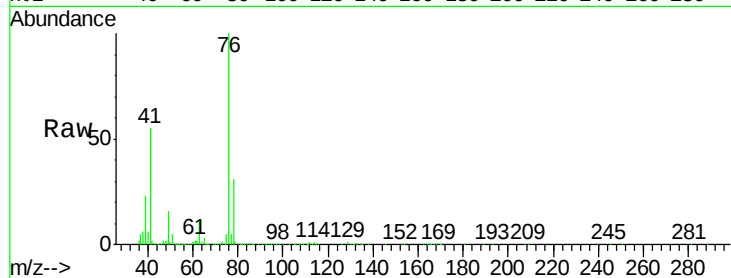
76 100

78 31.7 26.0 39.0

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 262.488 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX007230.D

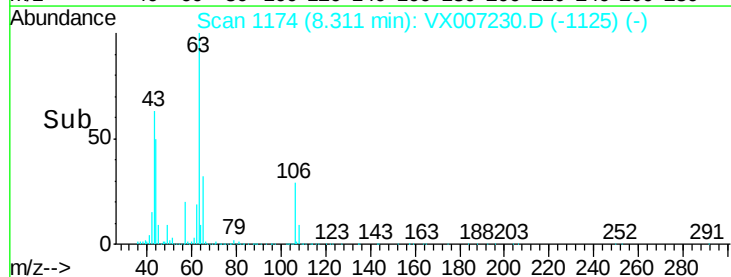
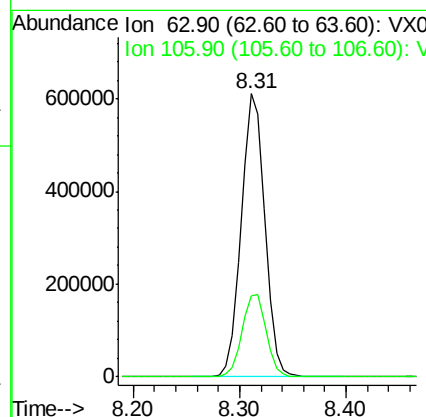
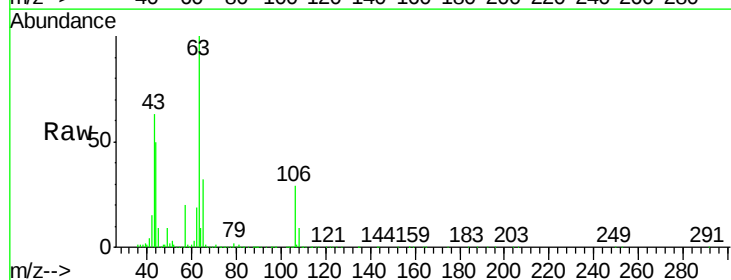
Acq: 25 Jan 2019 15:34

Tgt Ion: 63 Resp: 952530

Ion Ratio Lower Upper

63 100

106 29.9 24.6 36.8





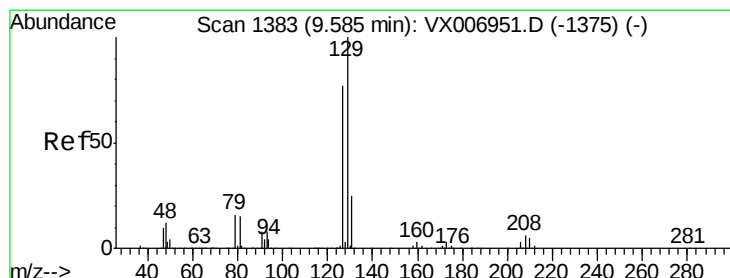
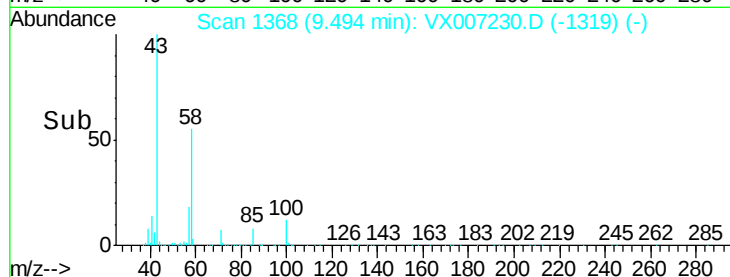
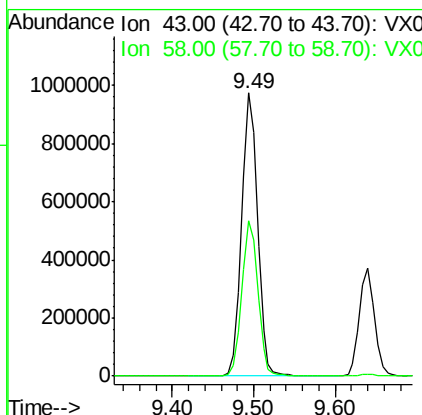
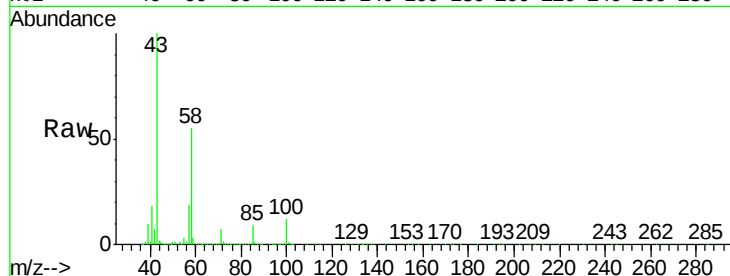
#59
2-Hexanone
Concen: 256.035 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VX007230.D
Acq: 25 Jan 2019 15:34

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion: 43 Resp: 1305955
Ion Ratio Lower Upper
43 100
58 55.1 27.7 83.1

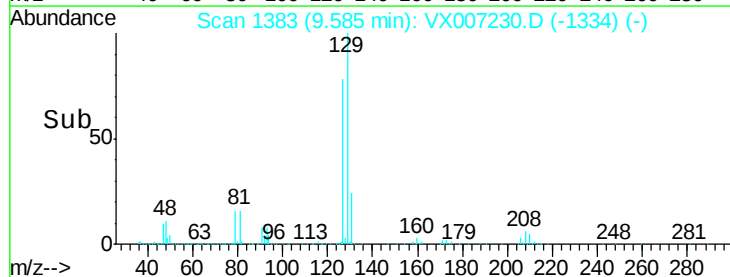
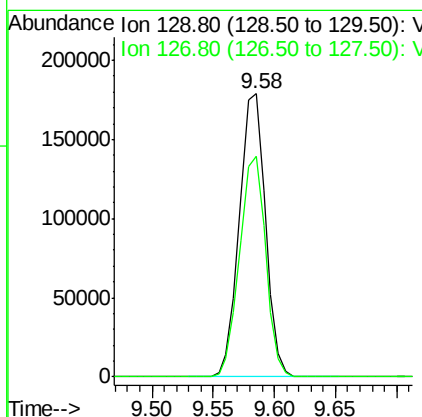
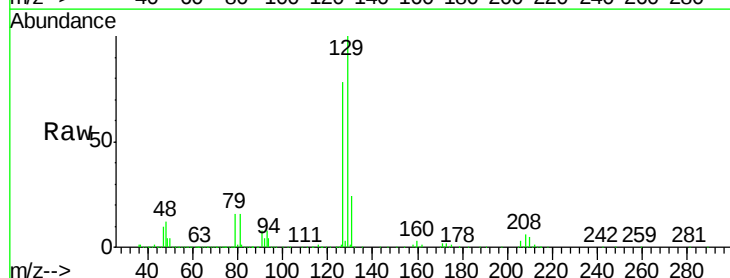
Manual Integrations
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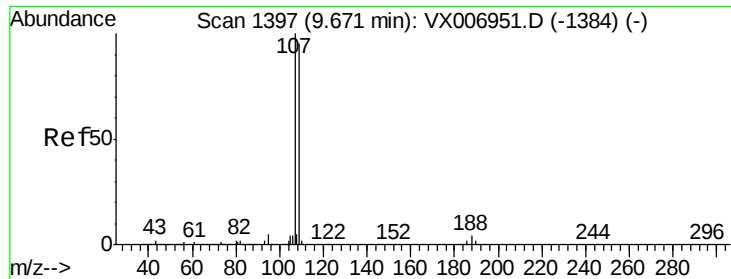
MMDadoda
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#60
Dibromochloromethane
Concen: 56.560 ug/l
RT: 9.58 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX007230.D
Acq: 25 Jan 2019 15:34

Tgt Ion: 129 Resp: 265524
Ion Ratio Lower Upper
129 100
127 77.9 39.3 117.8





#61

1,2-Dibromoethane

Concen: 51.988 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX007230.D

Acq: 25 Jan 2019 15:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 276697

Ion Ratio Lower Upper

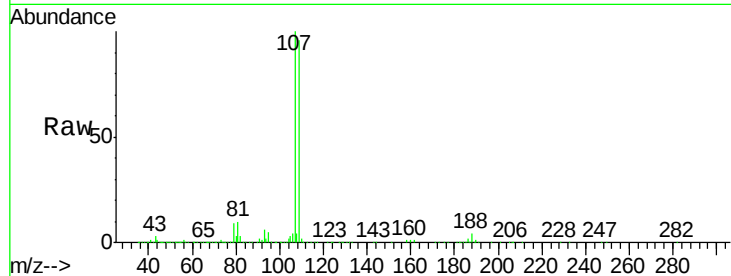
107 100

109 93.5 75.8 113.6

Manual Integrations
APPROVED

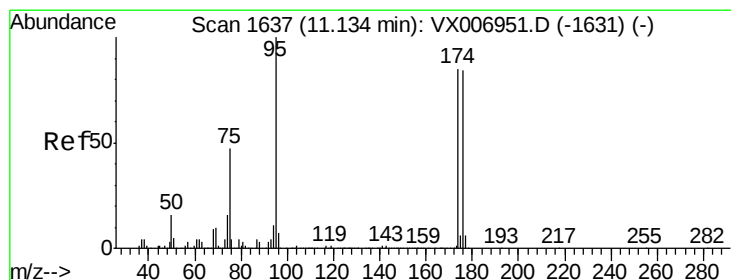
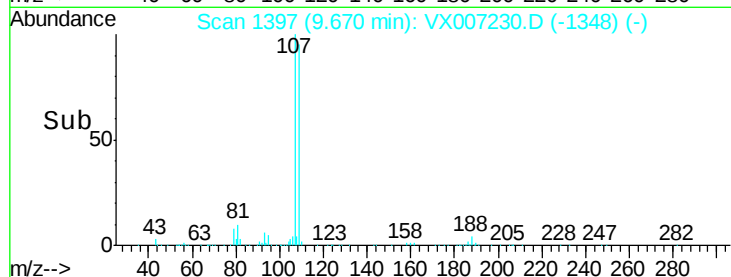
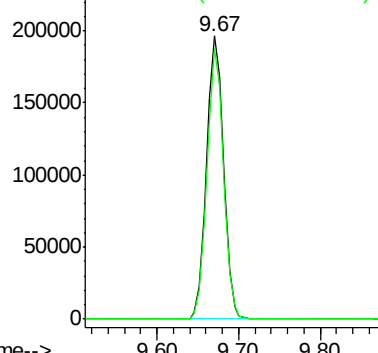
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 53.672 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007230.D

Acq: 25 Jan 2019 15:34

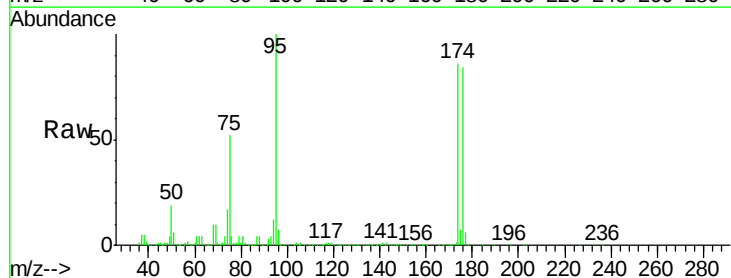
Tgt Ion: 95 Resp: 310701

Ion Ratio Lower Upper

95 100

174 94.7 0.0 182.2

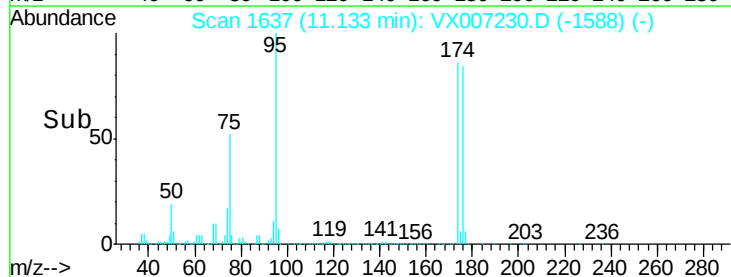
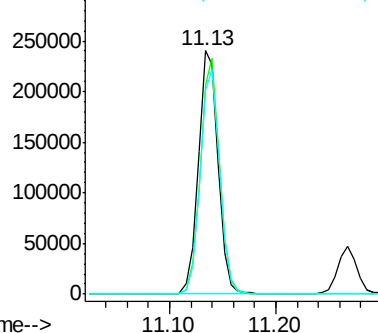
176 91.7 0.0 178.8

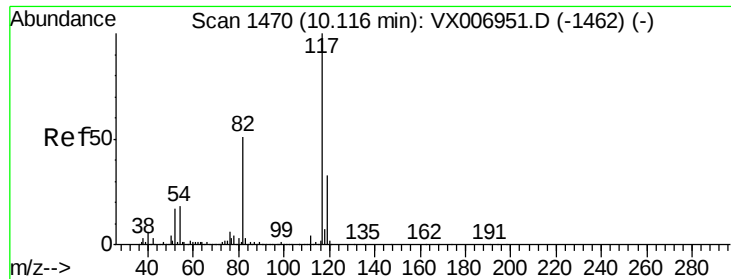


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





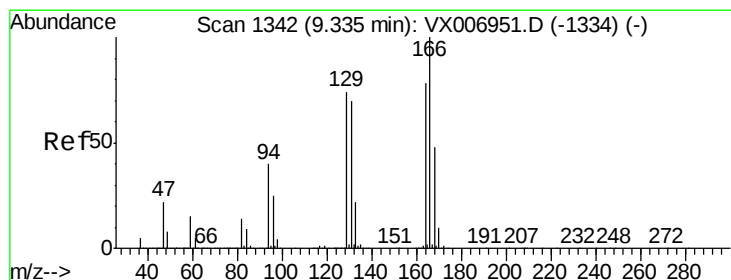
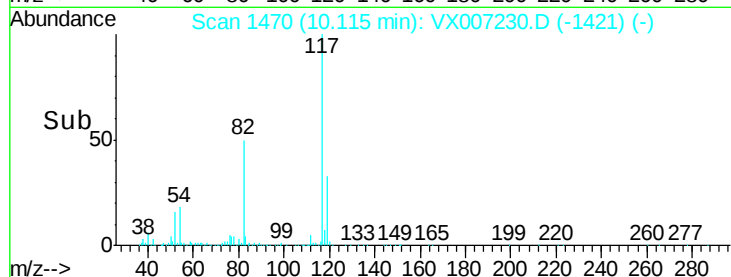
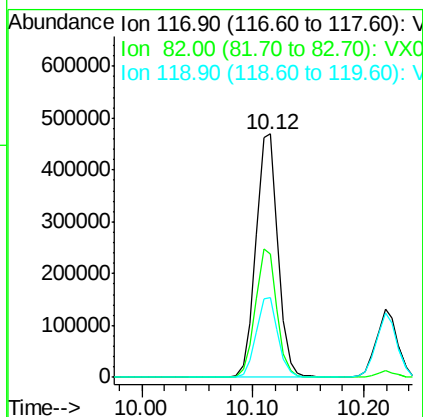
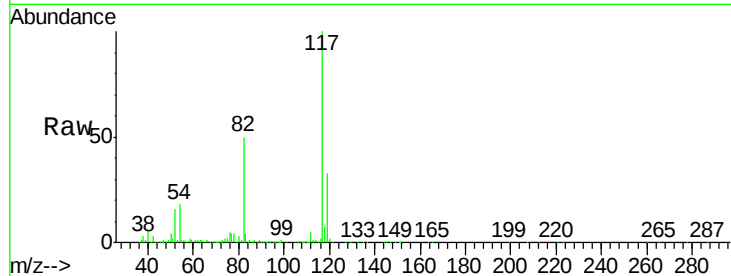
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX007230.D
Acq: 25 Jan 2019 15:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	650031		
82	50.4		41.0	61.6
119	32.8		25.4	38.0

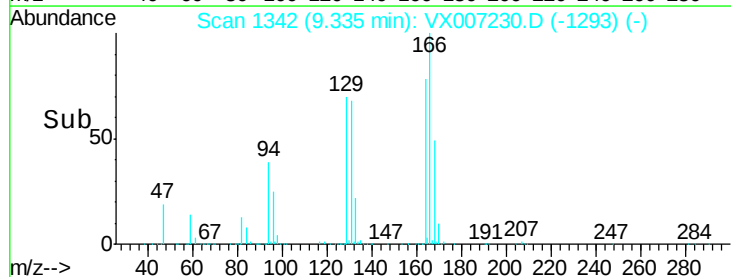
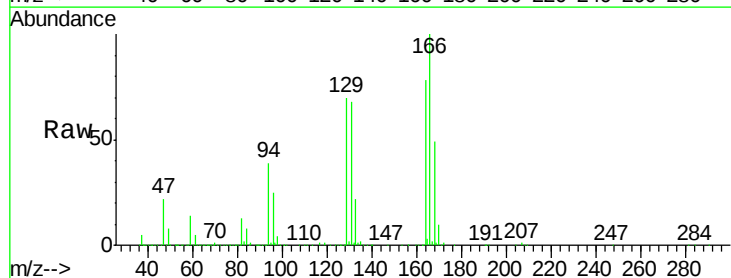
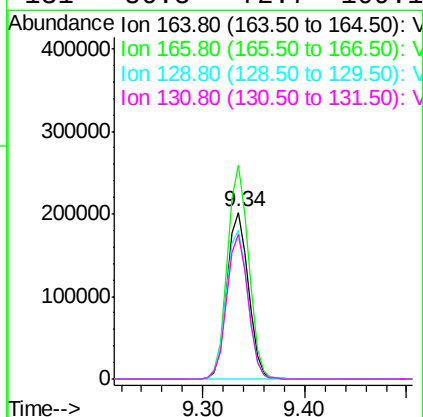
Manual Integrations
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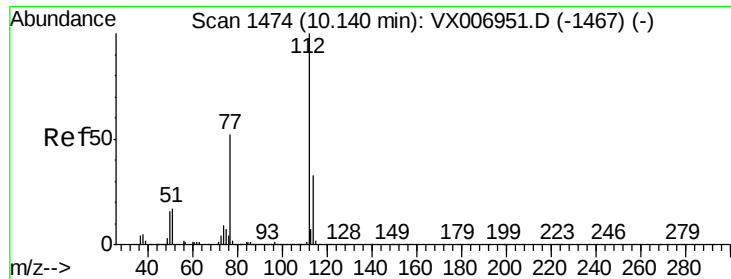
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#64
Tetrachloroethene
Concen: 51.877 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX007230.D
Acq: 25 Jan 2019 15:34

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	291954		
166	128.1		102.5	153.7
129	89.4		75.1	112.7
131	86.5		72.7	109.1





#65

Chlorobenzene

Concen: 49.756 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. -0.00 min

Lab File: VX007230.D

Acq: 25 Jan 2019 15:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 705418

Ion Ratio Lower Upper

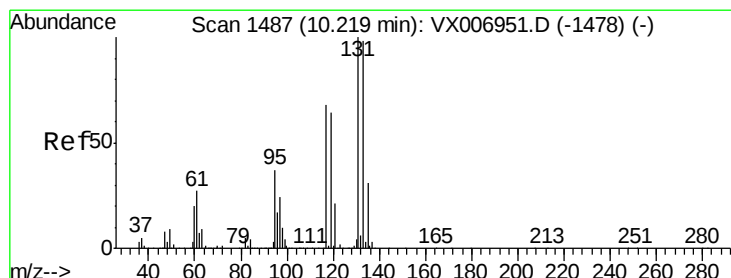
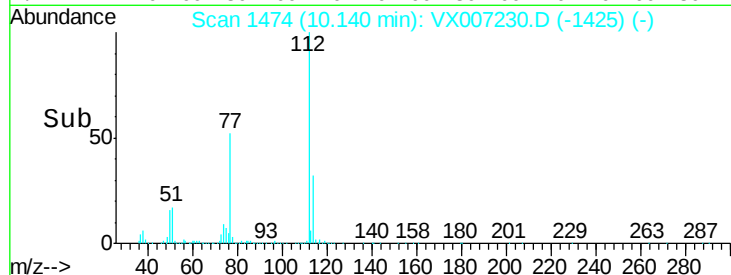
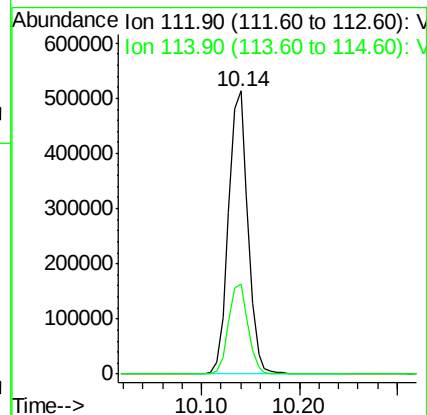
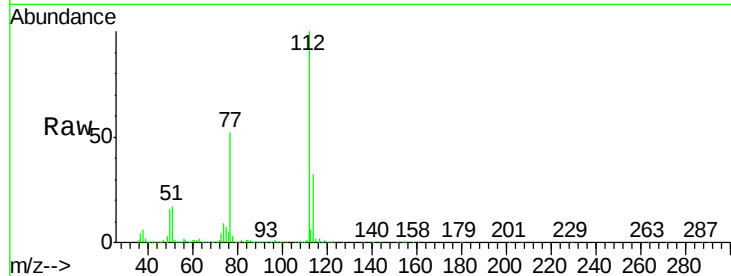
112 100

114 31.7 25.7 38.5

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 53.974 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX007230.D

Acq: 25 Jan 2019 15:34

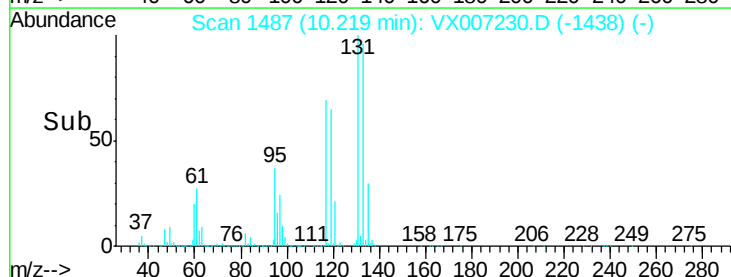
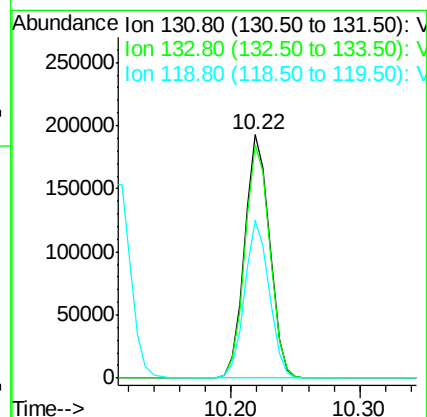
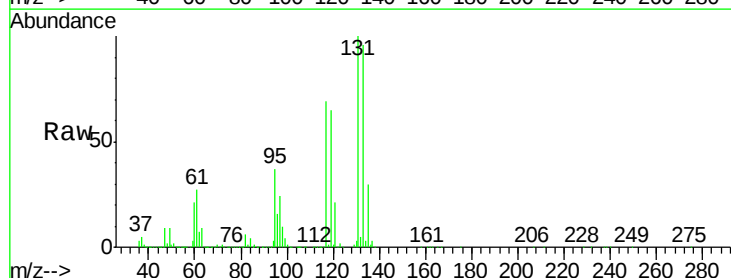
Tgt Ion:131 Resp: 257422

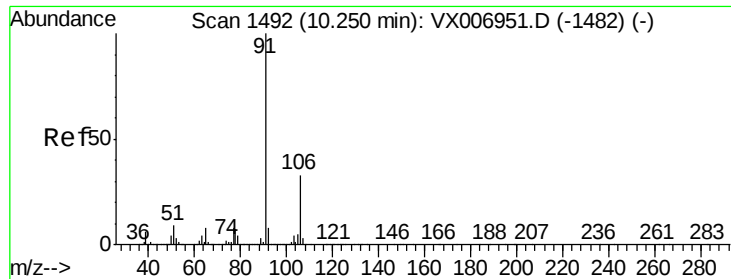
Ion Ratio Lower Upper

131 100

133 96.4 48.0 144.2

119 63.8 32.6 97.8





#67

Ethyl Benzene

Concen: 49.389 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX007230.D

Acq: 25 Jan 2019 15:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1155968

Ion Ratio Lower Upper

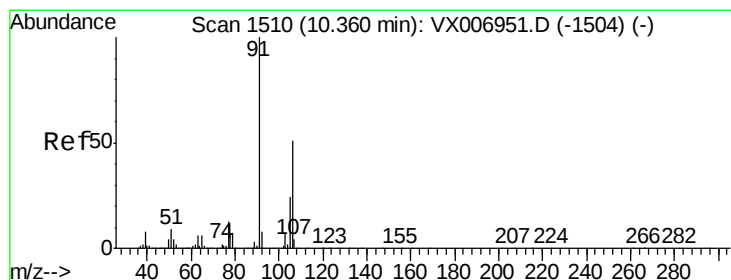
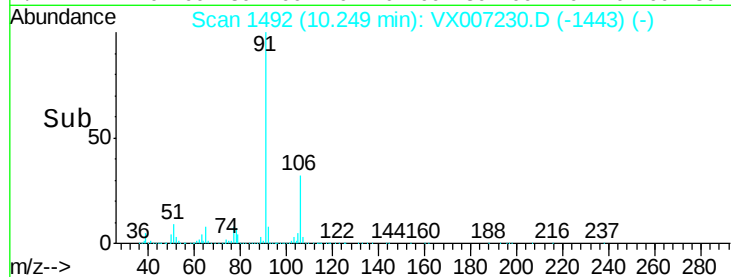
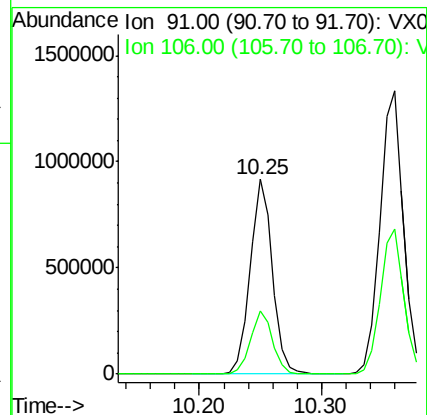
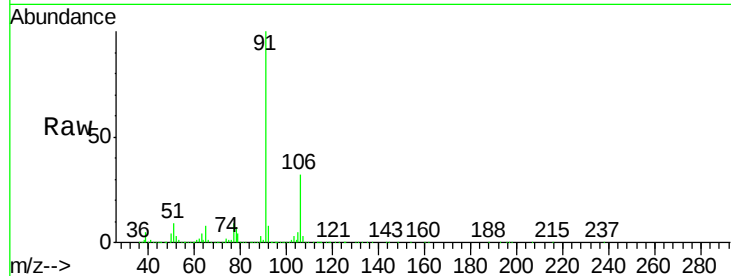
91 100

106 32.2 26.4 39.6

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#68

m/p-Xylenes

Concen: 99.722 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX007230.D

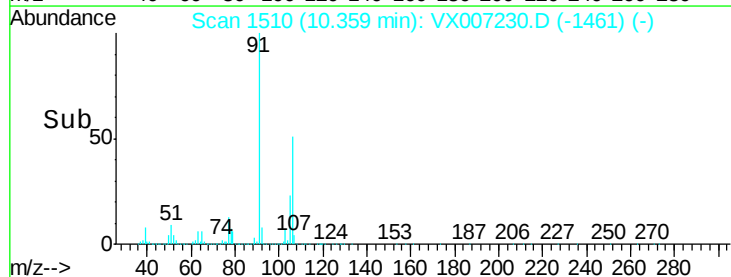
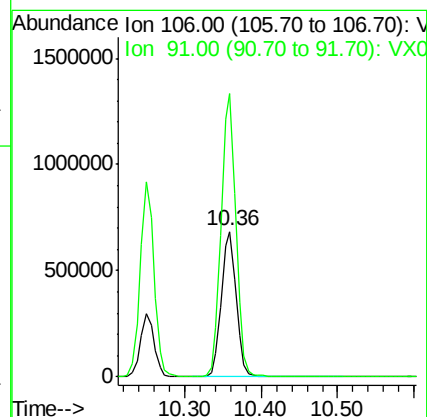
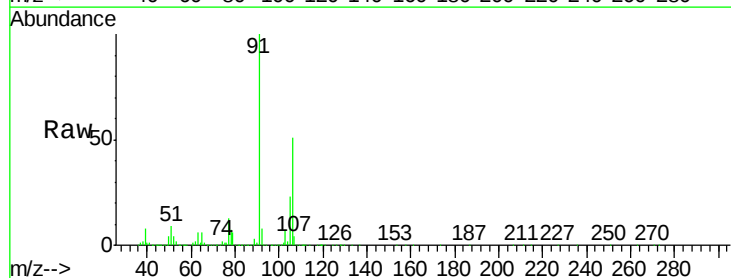
Acq: 25 Jan 2019 15:34

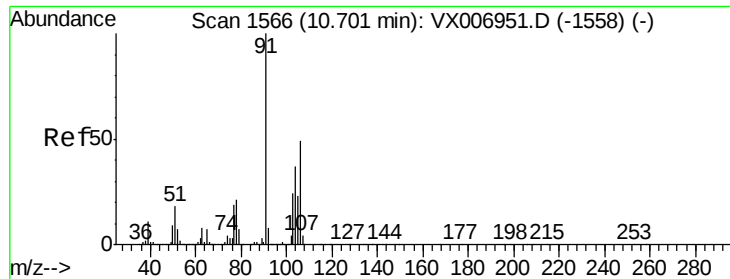
Tgt Ion: 106 Resp: 919574

Ion Ratio Lower Upper

106 100

91 194.4 155.8 233.6





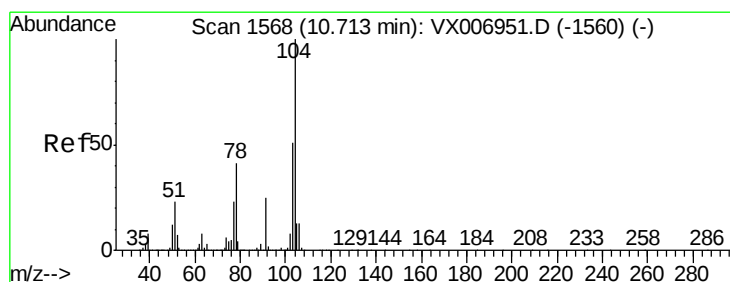
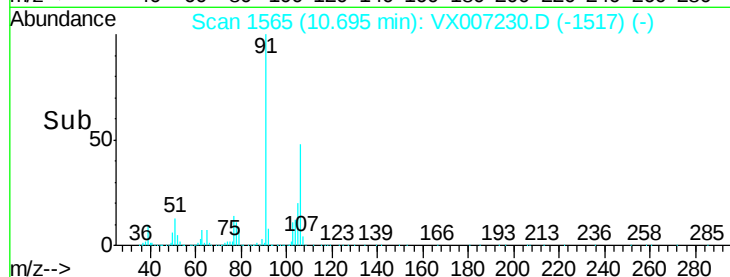
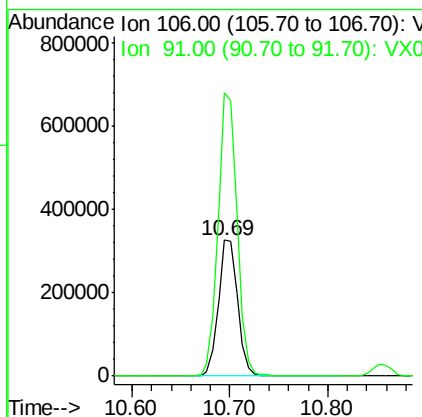
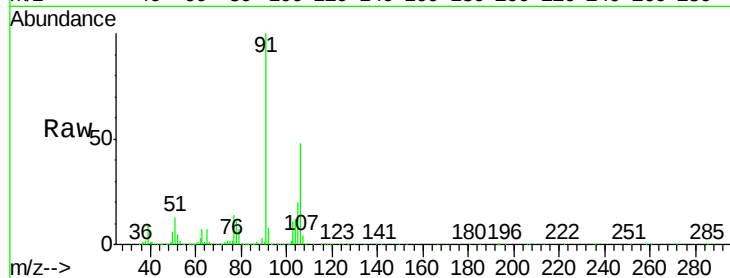
#69
o-Xylene
Concen: 49.559 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX007230.D
Acq: 25 Jan 2019 15:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	206.4	101.3	303.7

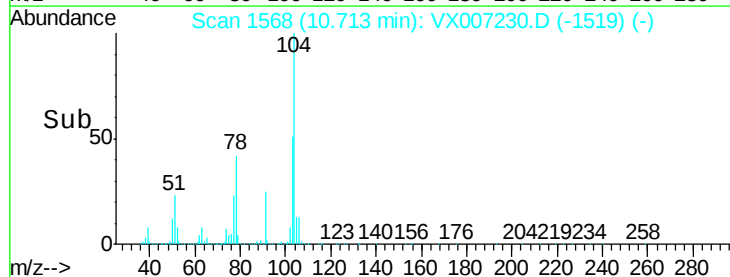
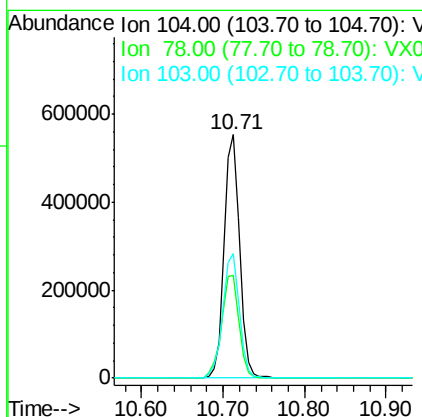
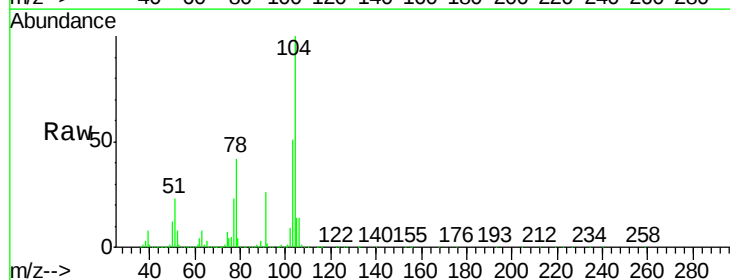
Manual Integrations
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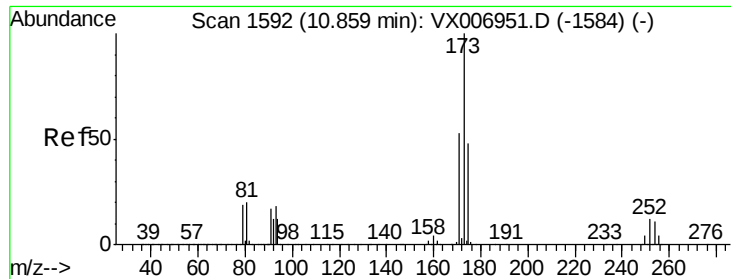
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#70
Styrene
Concen: 50.931 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX007230.D
Acq: 25 Jan 2019 15:34

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.0	37.7	56.5
103	55.7	43.8	65.8





#71

Bromoform

Concen: 47.468 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX007230.D

Acq: 25 Jan 2019 15:34

Instrument :

MSVOA_X

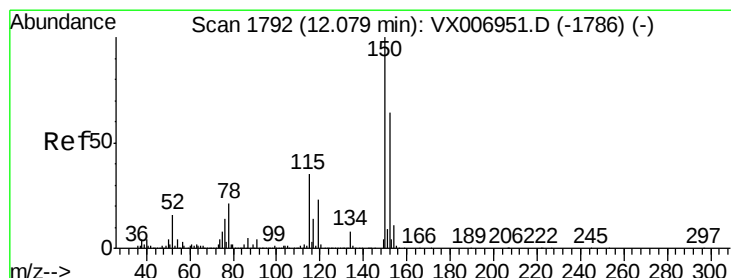
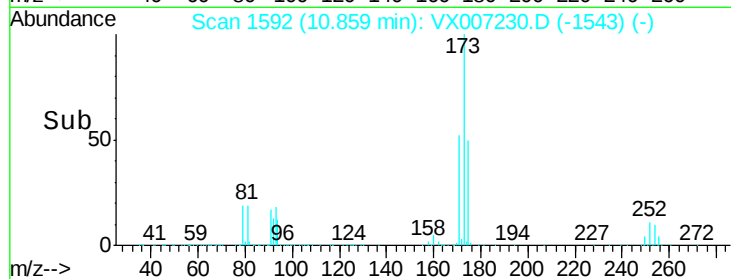
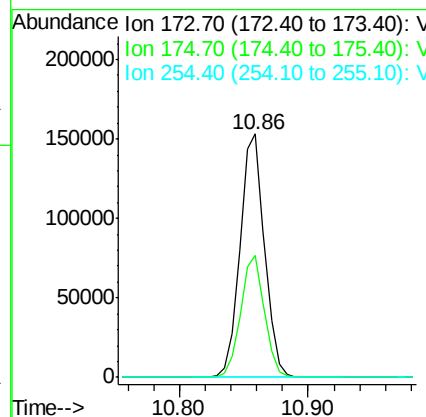
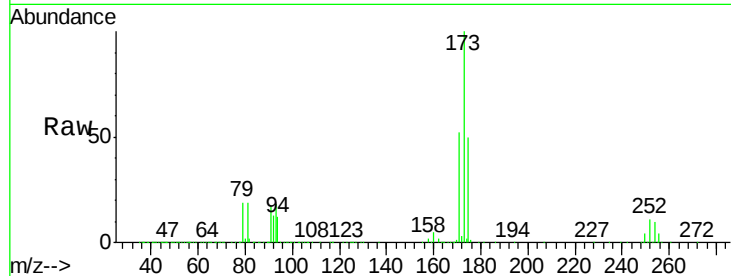
ClientSampleId :

VSTDCCC050

Tot Ion:	173	Resp:	201415
Ion Ratio	Lower	Upper	
173	100		
175	48.7	24.7	74.1
254	0.2	0.2	0.2

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

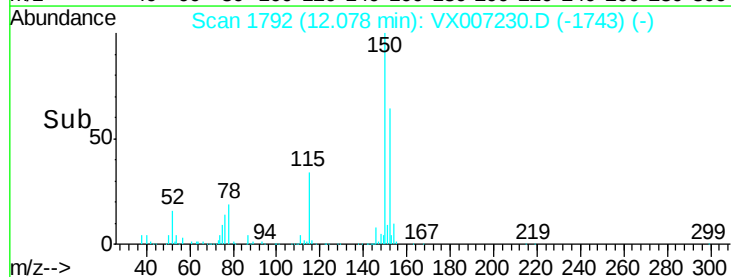
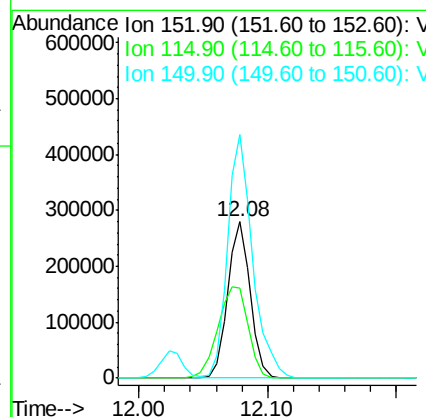
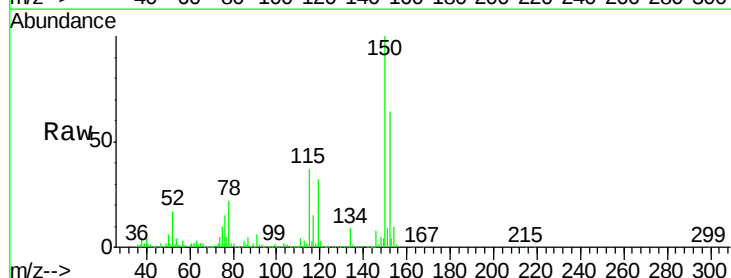
RT: 12.08 min Scan# 1792

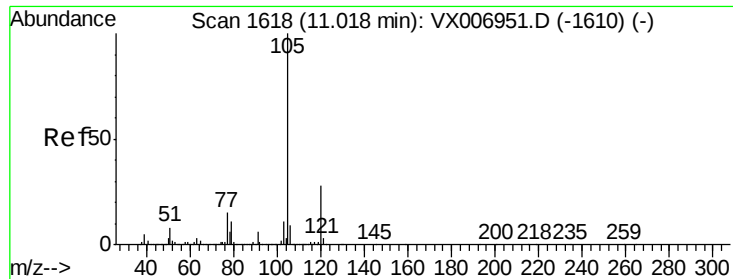
Delta R.T. -0.00 min

Lab File: VX007230.D

Acq: 25 Jan 2019 15:34

Tgt Ion:	152	Resp:	344417
Ion Ratio	Lower	Upper	
152	100		
115	78.7	39.1	117.2
150	173.3	0.0	344.8





#73

Isopropylbenzene

Concen: 49.735 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX007230.D

Acq: 25 Jan 2019 15:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1207880

Ion Ratio Lower Upper

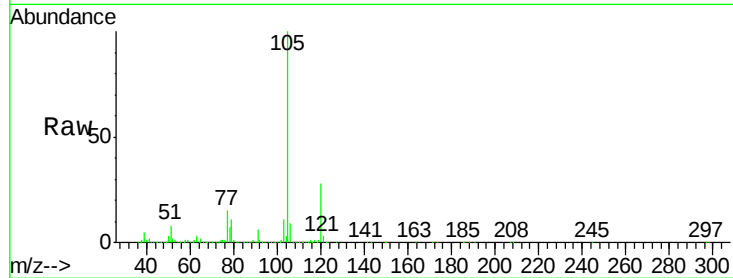
105 100

120 27.6 14.1 42.4

Manual Integrations
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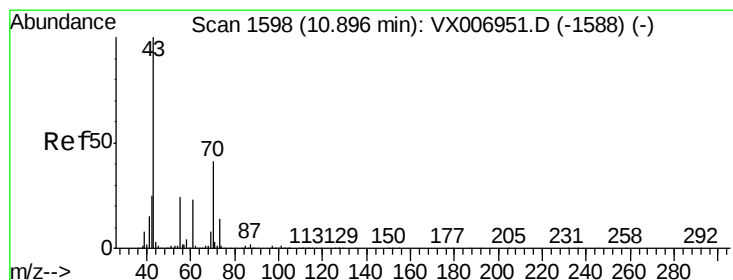
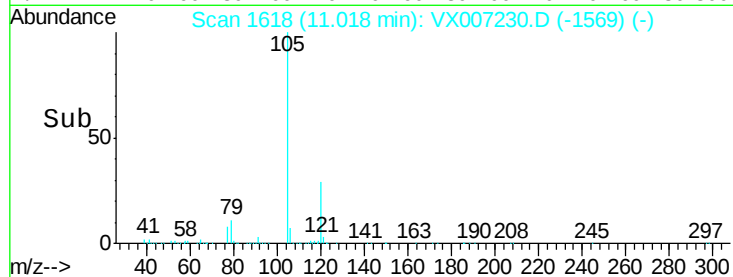
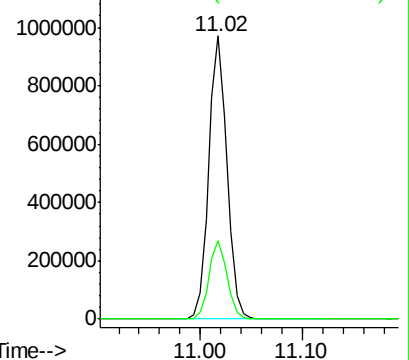
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 47.731 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX007230.D

Acq: 25 Jan 2019 15:34

Tgt Ion: 43 Resp: 466718

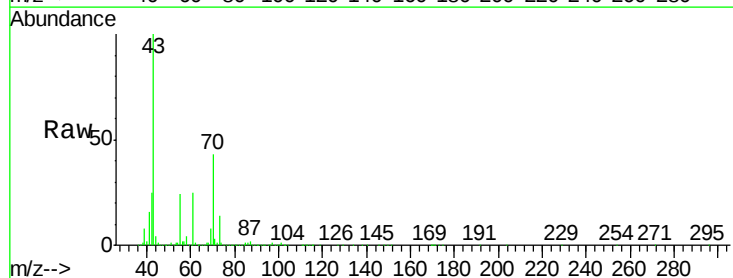
Ion Ratio Lower Upper

43 100

70 43.3 35.8 53.8

55 24.6 19.4 29.0

61 24.5 20.1 30.1

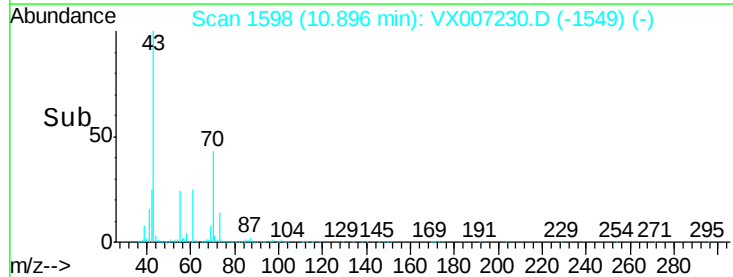
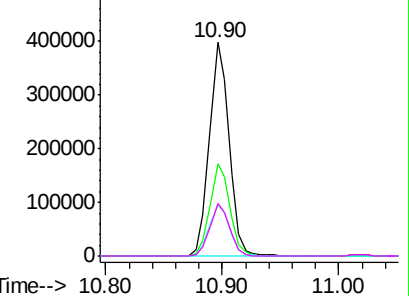


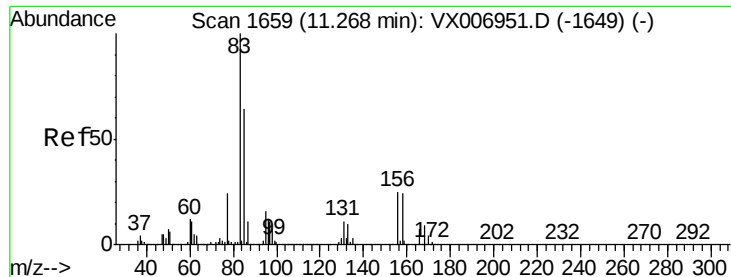
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 47.612 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX007230.D

Acq: 25 Jan 2019 15:34

Instrument :

MSVOA_X

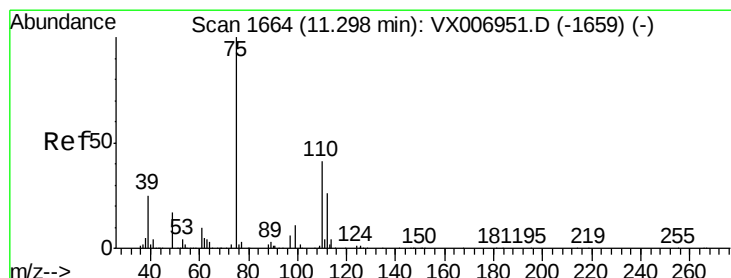
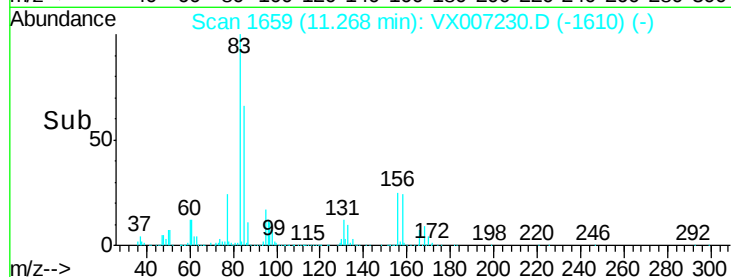
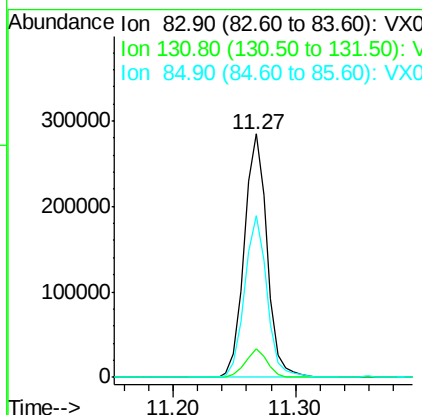
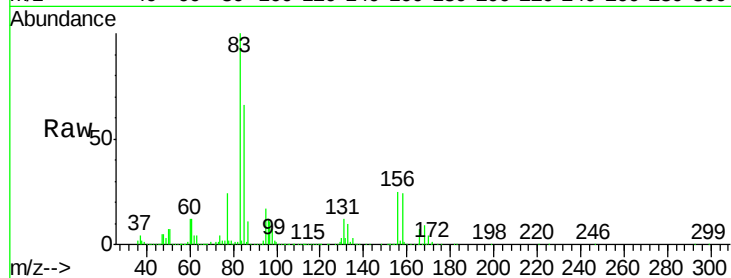
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	367095
Ion Ratio	Lower	Upper	
83	100		
131	11.4	5.7	17.1
85	65.6	32.2	96.6

Manual Integrations
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1/28/2019 12:01:36 PM



#76

1,2,3-Trichloropropane

Concen: 49.831 ug/l m

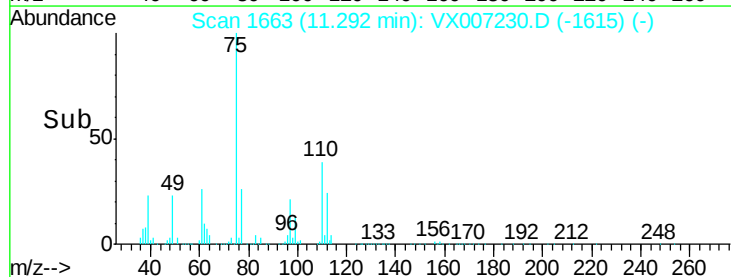
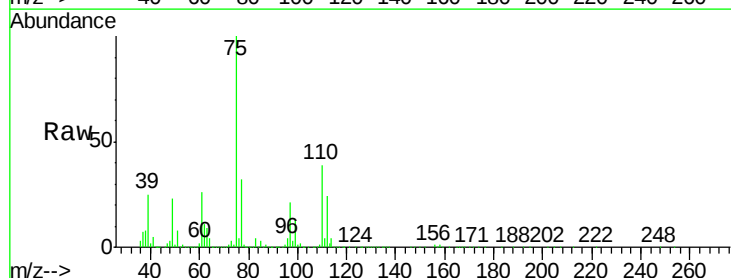
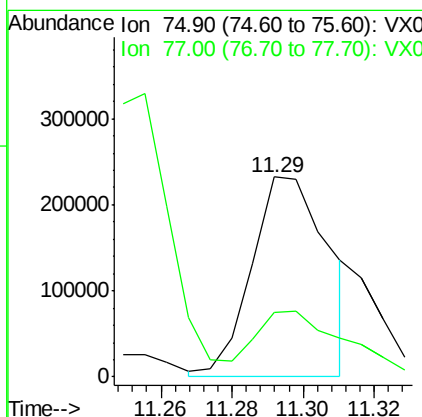
RT: 11.29 min Scan# 1663

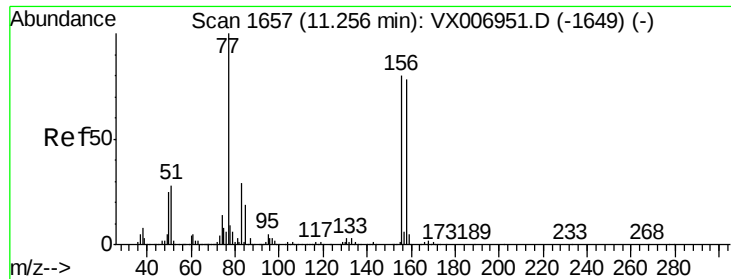
Delta R.T. -0.01 min

Lab File: VX007230.D

Acq: 25 Jan 2019 15:34

Tgt Ion:	75	Resp:	347790
Ion Ratio	Lower	Upper	
75	100		
77	38.5	18.5	55.5





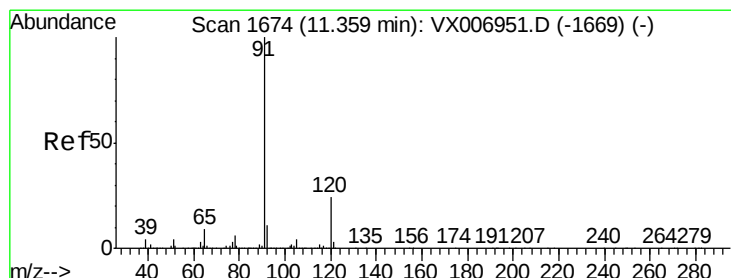
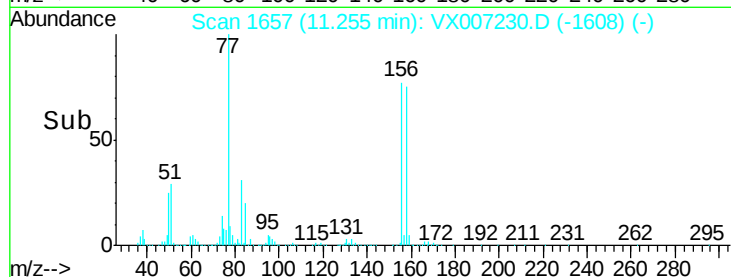
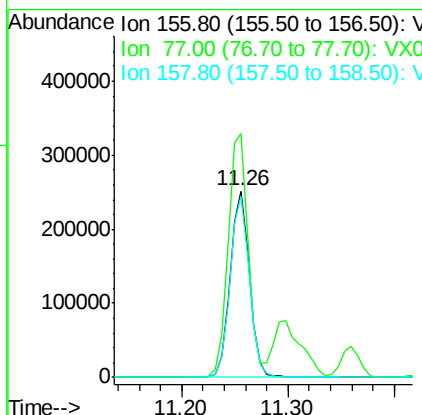
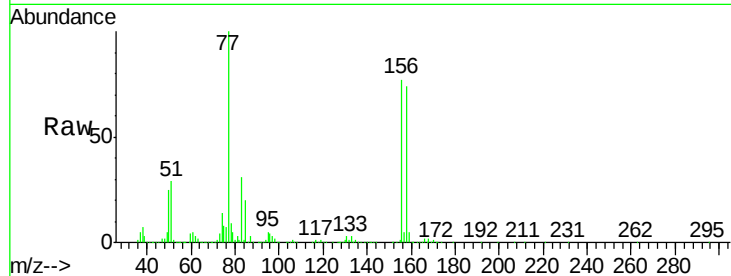
#77
Bromobenzene
Concen: 47.827 ug/l
RT: 11.26 min Scan# 1657
Delta R.T. -0.00 min
Lab File: VX007230.D
Acq: 25 Jan 2019 15:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	137.2	68.0	204.0
158	97.4	48.3	144.8

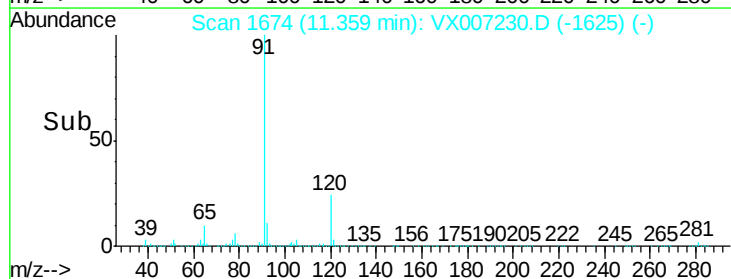
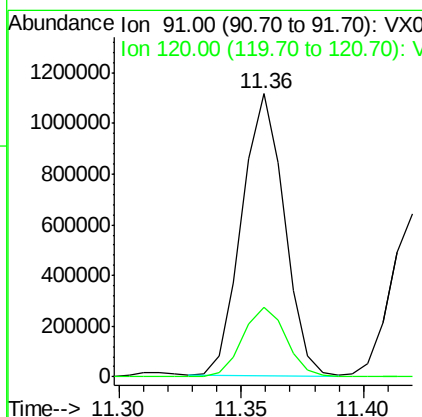
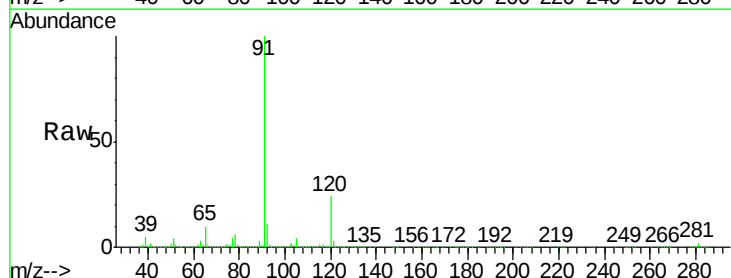
Manual Integrations
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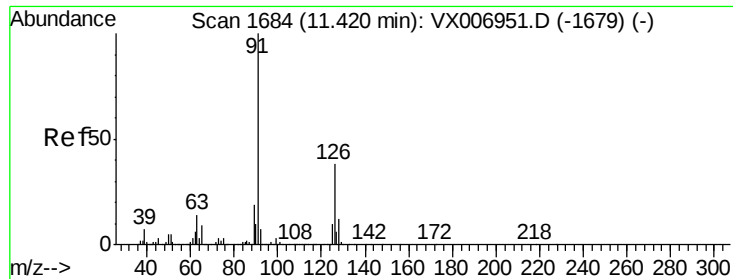
MMDadoda
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#78
n-propylbenzene
Concen: 50.647 ug/l
RT: 11.36 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VX007230.D
Acq: 25 Jan 2019 15:34

Tgt Ion	Ratio	Lower	Upper
91	100		
120	25.2	12.7	38.0





#79

2-Chlorotoluene

Concen: 48.381 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX007230.D

Acq: 25 Jan 2019 15:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 776462

Ion Ratio Lower Upper

91 100

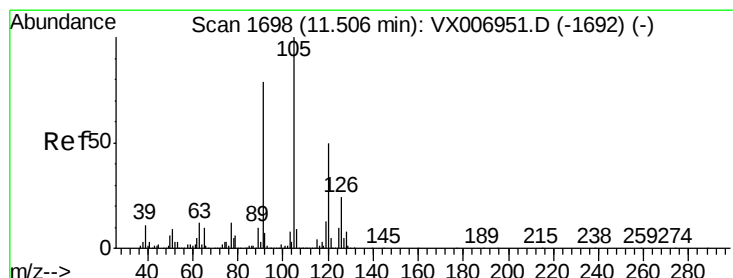
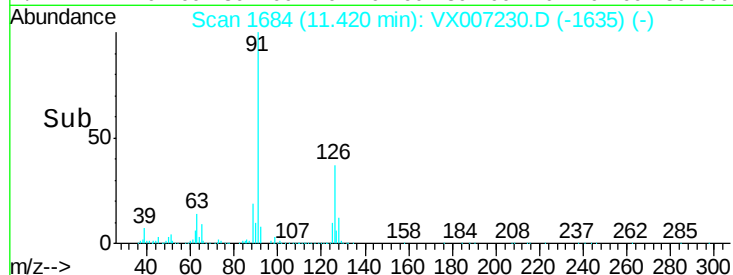
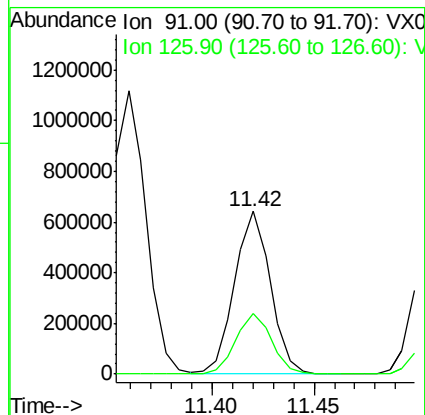
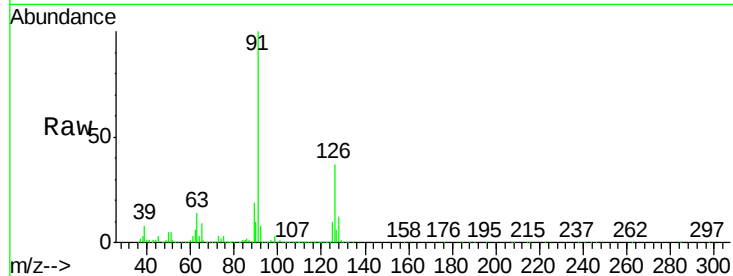
126 37.6 18.6 56.0

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#80

1,3,5-Trimethylbenzene

Concen: 49.241 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX007230.D

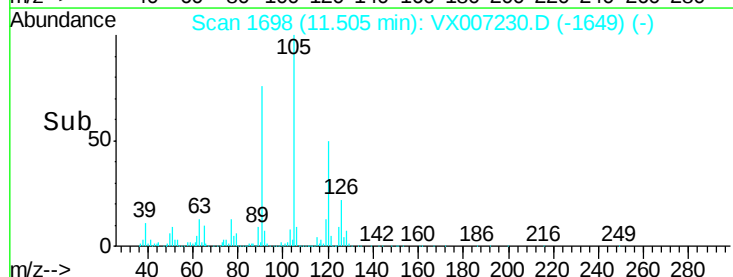
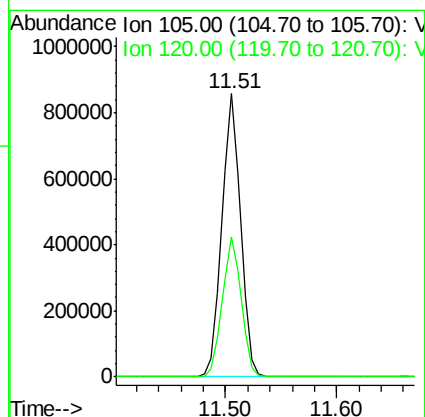
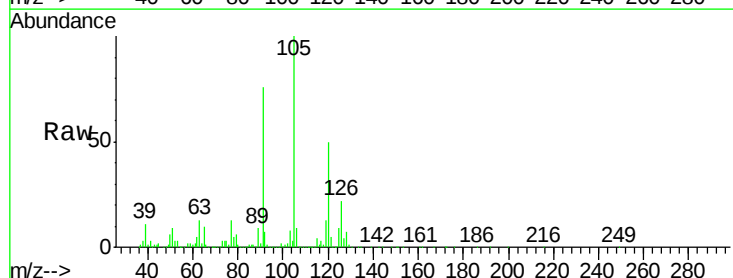
Acq: 25 Jan 2019 15:34

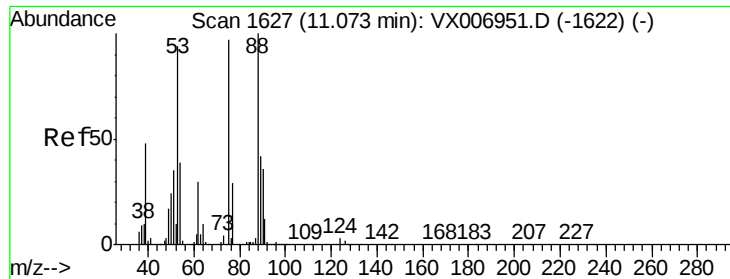
Tgt Ion: 105 Resp: 999253

Ion Ratio Lower Upper

105 100

120 50.0 25.1 75.3





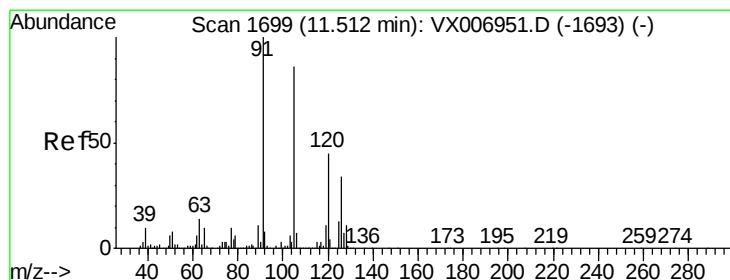
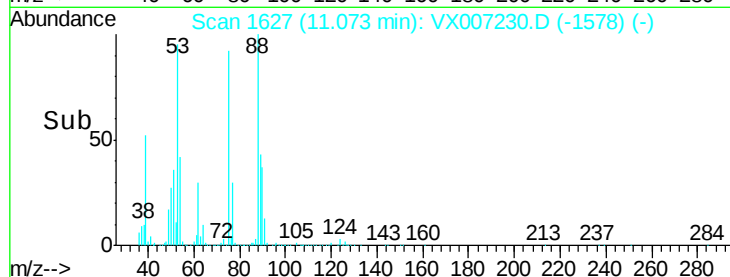
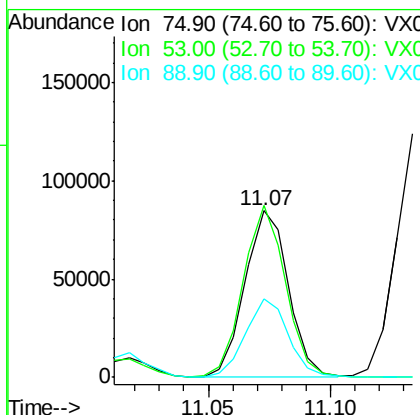
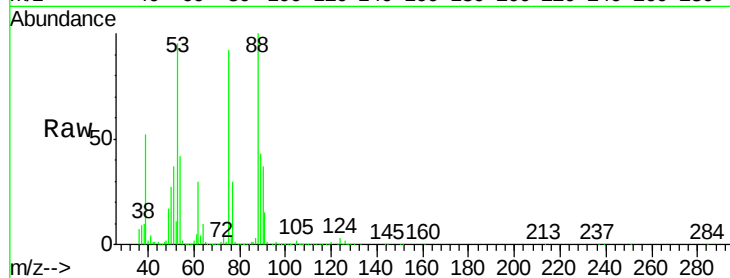
#81
trans-1,4-Dichloro-2-butene
Concen: 45.503 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX007230.D
Acq: 25 Jan 2019 15:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	100.2	79.7	119.5
89	46.6	38.0	57.0

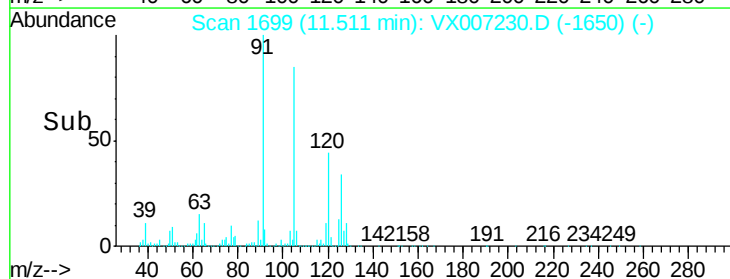
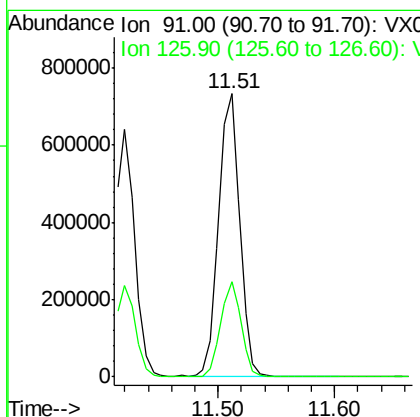
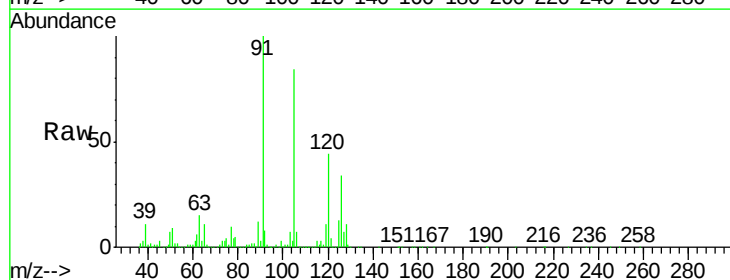
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#82
4-Chlorotoluene
Concen: 49.383 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX007230.D
Acq: 25 Jan 2019 15:34

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.6	16.3	48.9





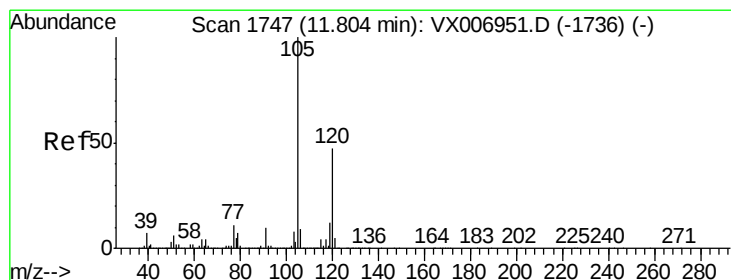
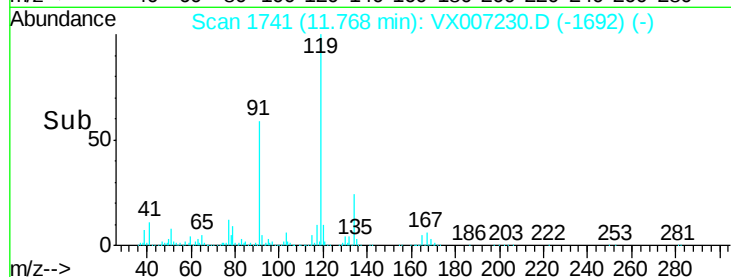
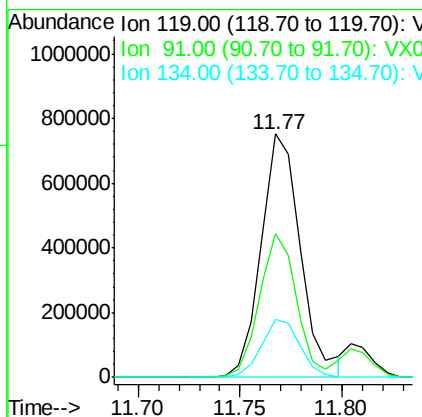
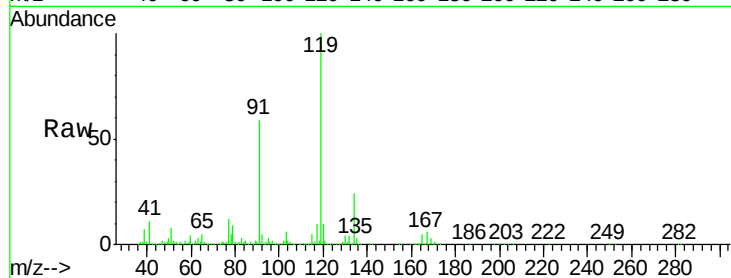
#83
tert-Butylbenzene
Concen: 49.914 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX007230.D
Acq: 25 Jan 2019 15:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:119 Resp: 1010606
Ion Ratio Lower Upper
119 100
91 55.5 27.7 83.1
134 23.3 11.9 35.5

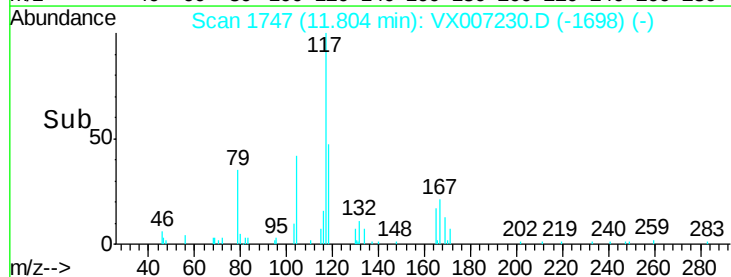
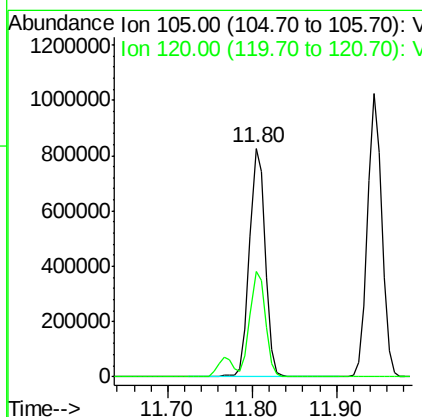
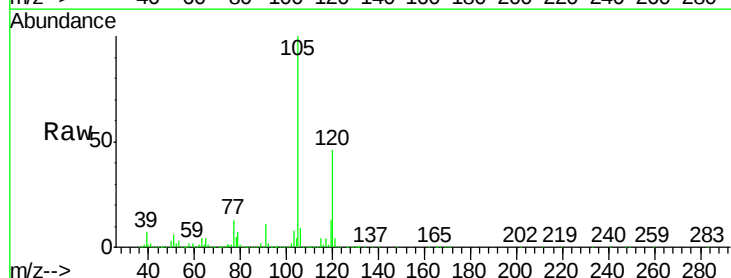
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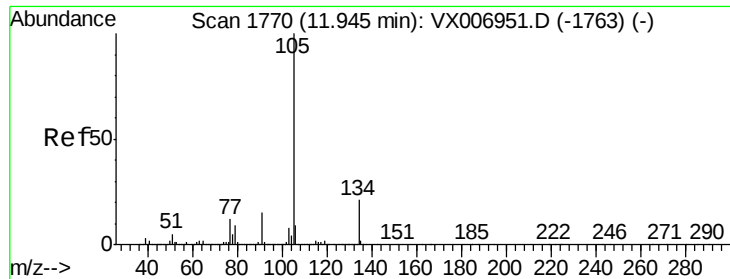
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#84
1,2,4-Trimethylbenzene
Concen: 49.925 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX007230.D
Acq: 25 Jan 2019 15:34

Tgt Ion:105 Resp: 1018777
Ion Ratio Lower Upper
105 100
120 45.6 23.2 69.6





#85

sec-Butylbenzene

Concen: 50.534 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX007230.D

Acq: 25 Jan 2019 15:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1221922

Ion Ratio Lower Upper

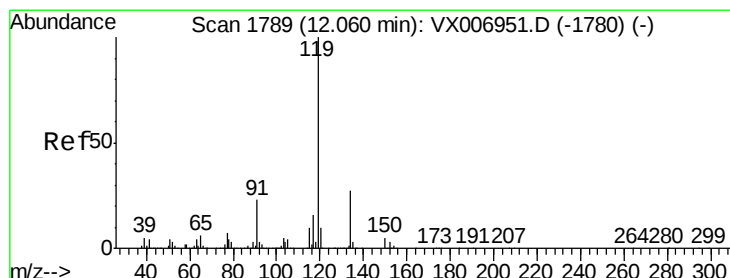
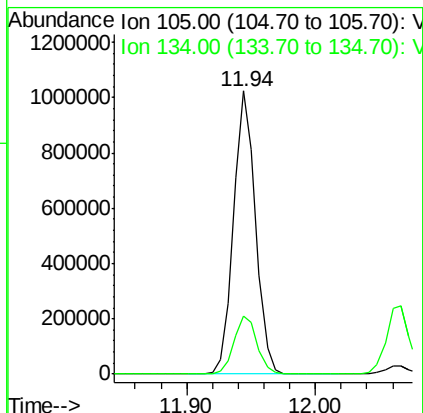
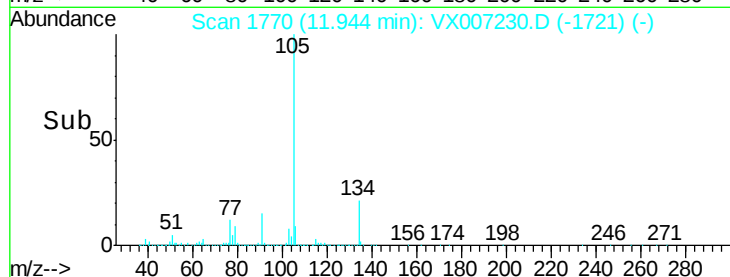
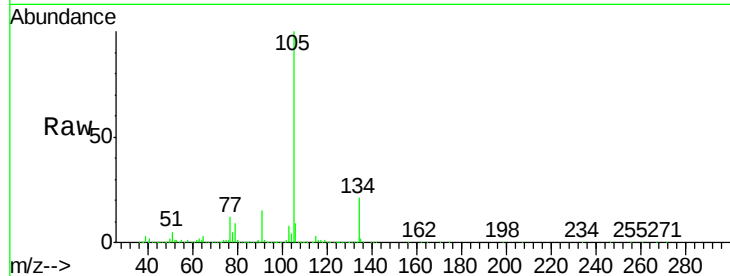
105 100

134 21.4 10.7 31.9

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#86

p-Isopropyltoluene

Concen: 50.446 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.01 min

Lab File: VX007230.D

Acq: 25 Jan 2019 15:34

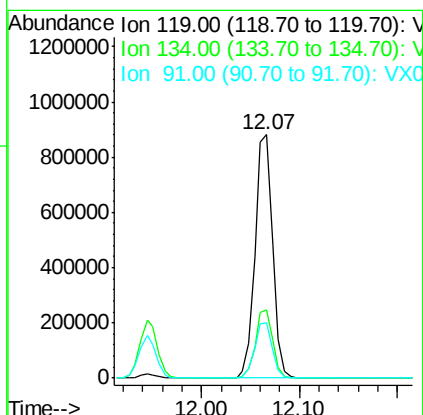
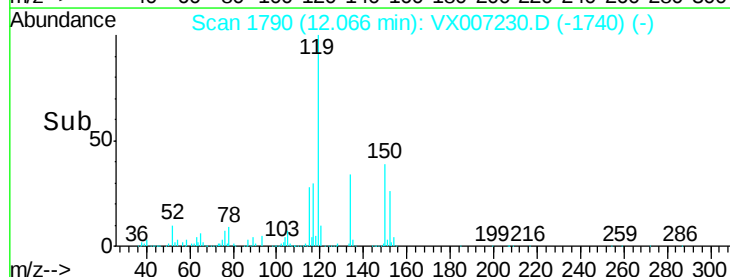
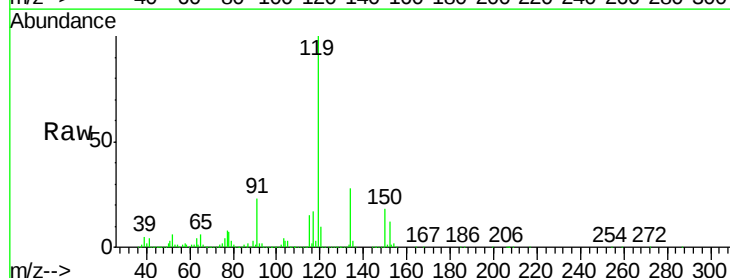
Tgt Ion:119 Resp: 1091080

Ion Ratio Lower Upper

119 100

134 27.7 14.0 41.9

91 22.8 11.3 33.9





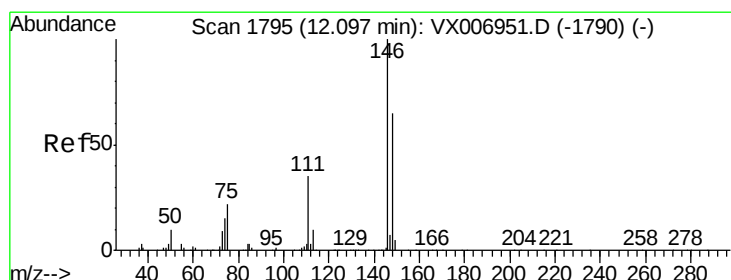
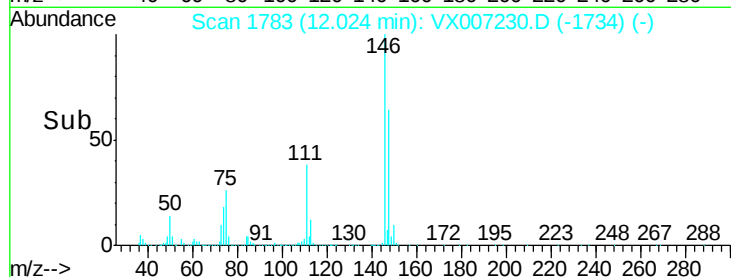
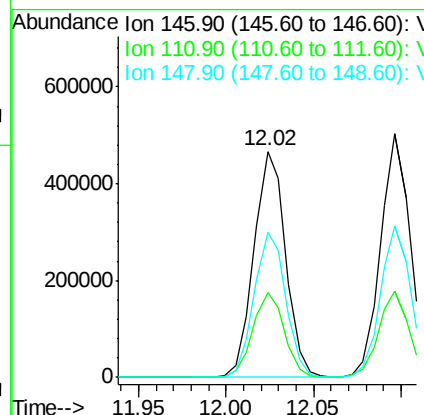
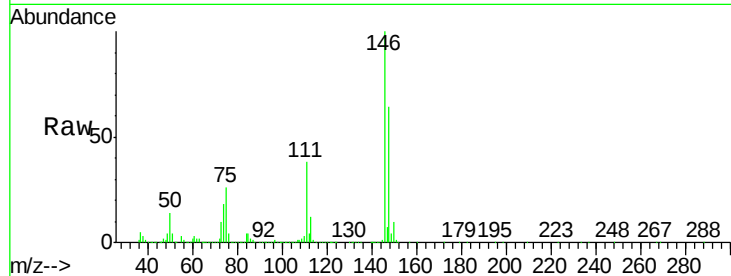
#87
 1,3-Dichlorobenzene
 Concen: 48.609 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX007230.D
 Acq: 25 Jan 2019 15:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.6	55.8
148	64.4	31.8	95.3

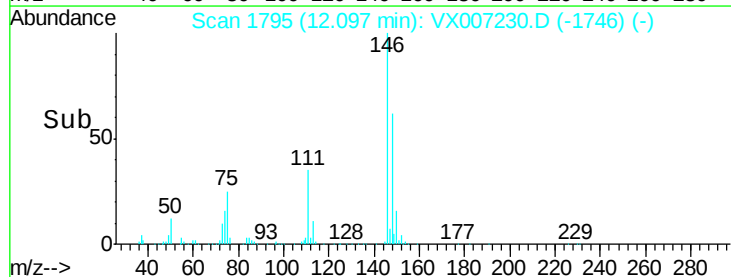
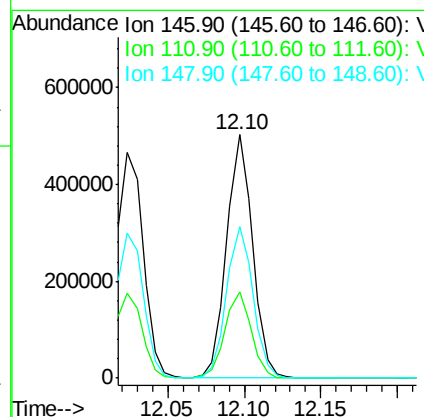
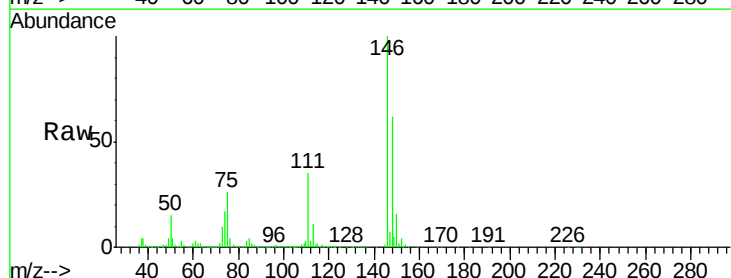
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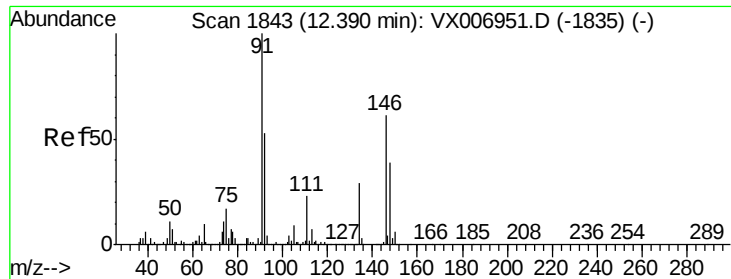
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 51.632 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX007230.D
 Acq: 25 Jan 2019 15:34

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.2	18.1	54.1
148	63.7	31.9	95.9





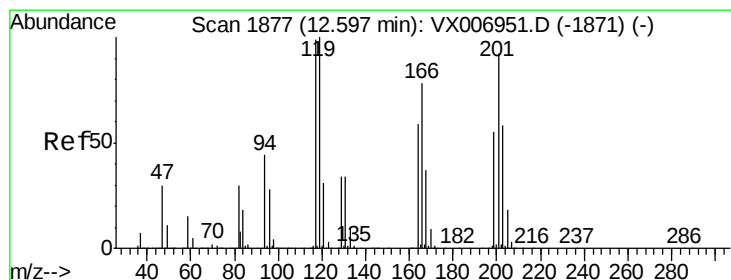
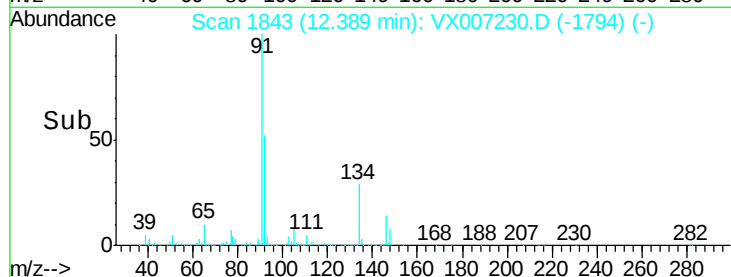
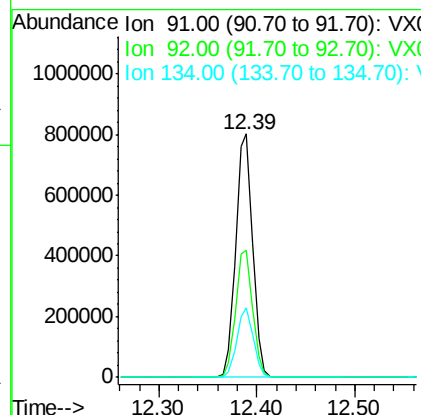
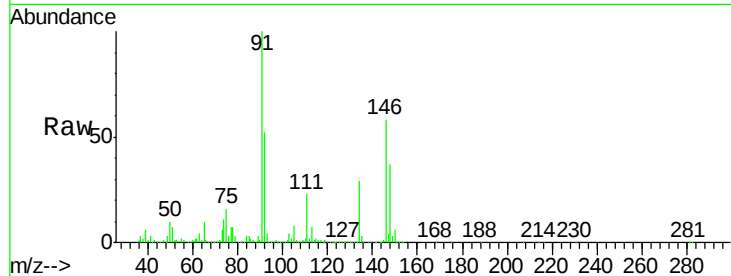
#89
n-Butylbenzene
Concen: 52.241 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX007230.D
Acq: 25 Jan 2019 15:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100	963195		
92	52.6		26.8	80.4
134	28.0		14.4	43.2

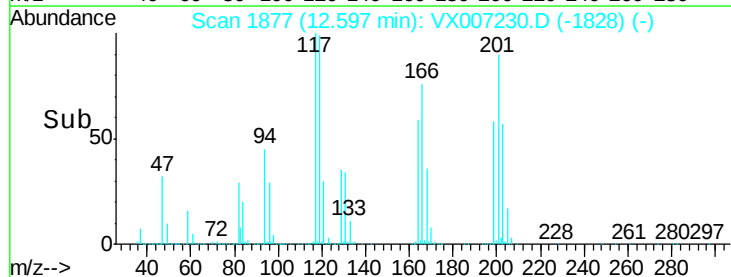
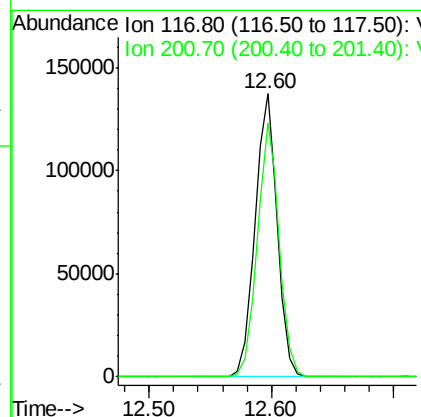
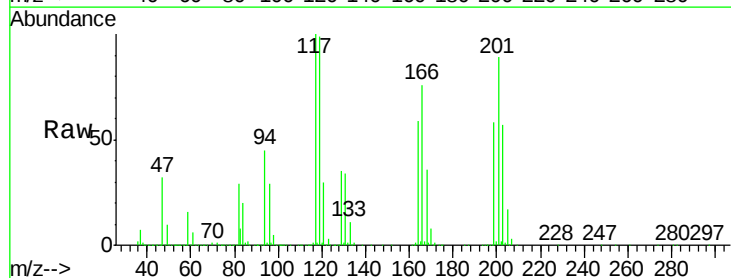
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#90
Hexachloroethane
Concen: 50.109 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX007230.D
Acq: 25 Jan 2019 15:34

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	173043		
201	88.5		42.9	128.7





#91

1,2-Dichlorobenzene

Concen: 48.530 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX007230.D

Acq: 25 Jan 2019 15:34

Instrument :

MSVOA_X

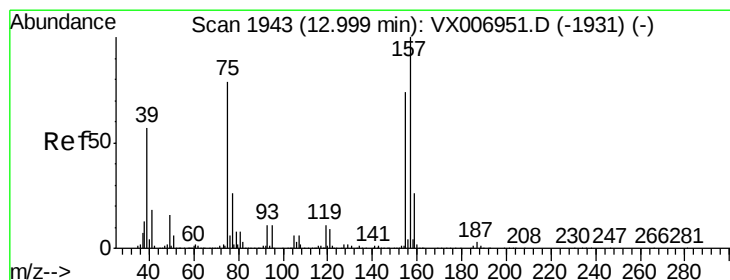
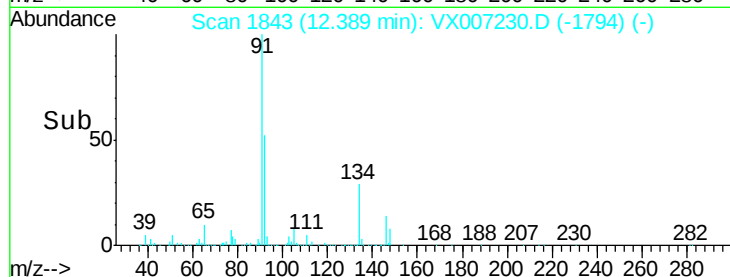
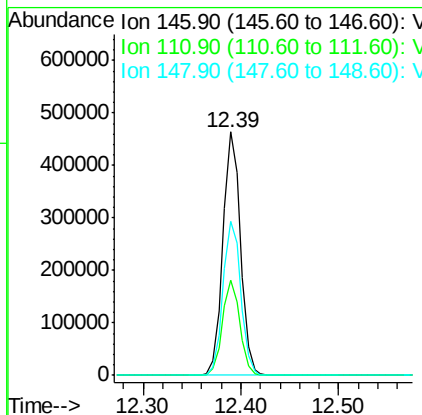
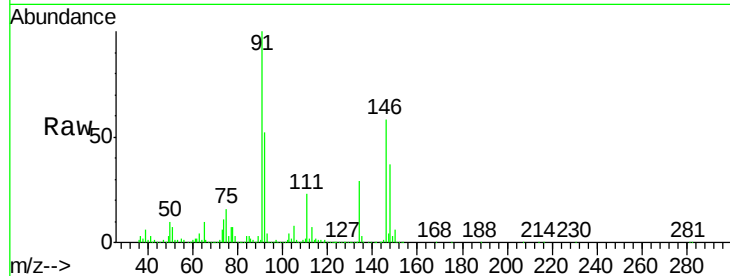
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	579264
Ion Ratio	Lower	Upper	
146	100		
111	38.5	19.4	58.2
148	64.1	32.3	96.9

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 50.252 ug/l

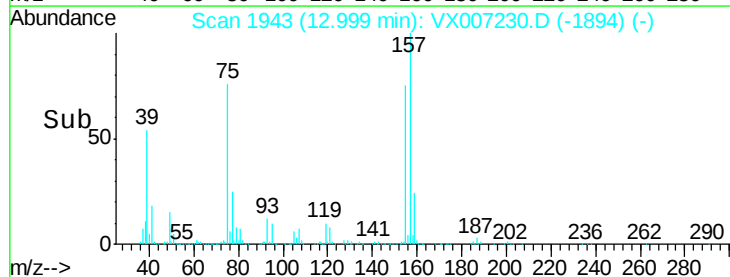
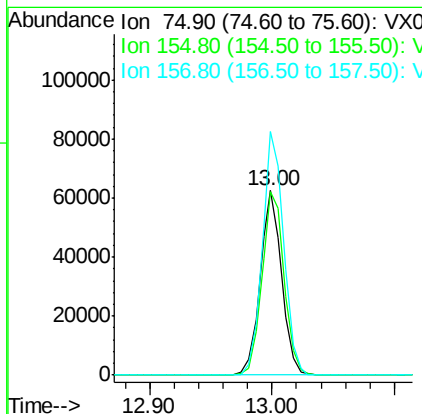
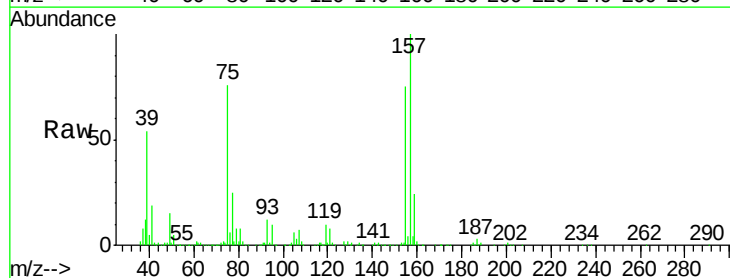
RT: 13.00 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VX007230.D

Acq: 25 Jan 2019 15:34

Tgt Ion:	75	Resp:	76628
Ion Ratio	Lower	Upper	
75	100		
155	102.2	50.6	151.8
157	131.3	64.6	193.8





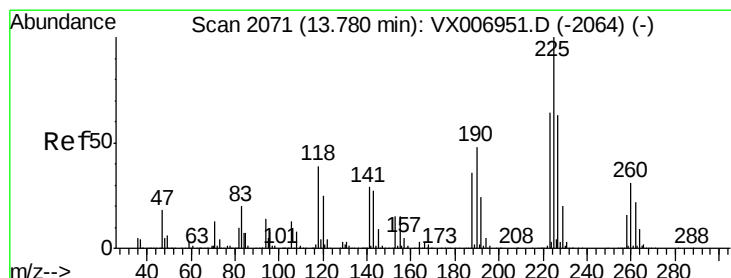
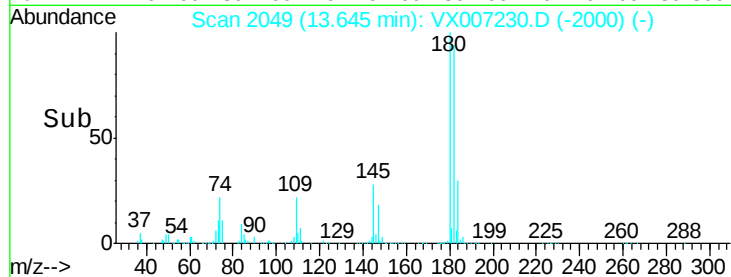
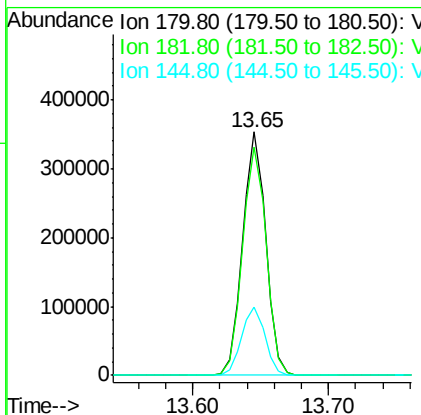
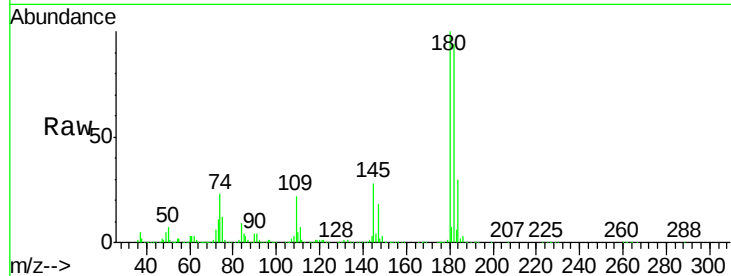
#93
 1,2,4-Trichlorobenzene
 Concen: 51.228 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX007230.D
 Acq: 25 Jan 2019 15:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	419514		
182	96.1	47.3	142.0	
145	28.6	14.8	44.3	

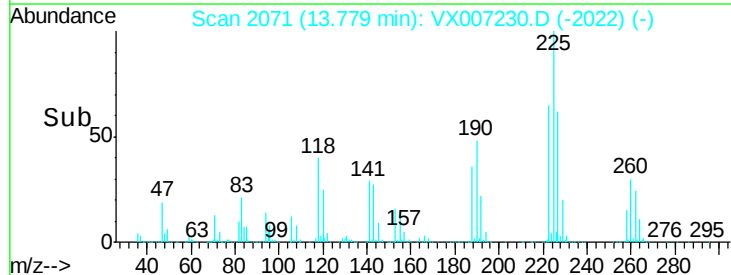
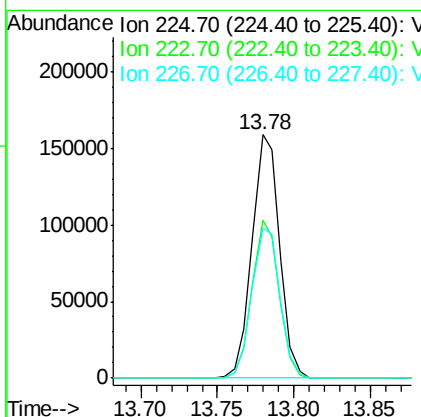
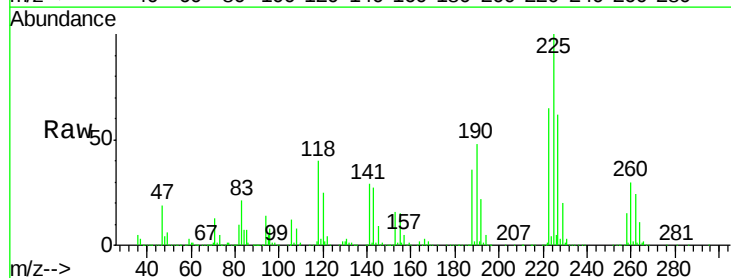
Manual Integrations
 APPROVED

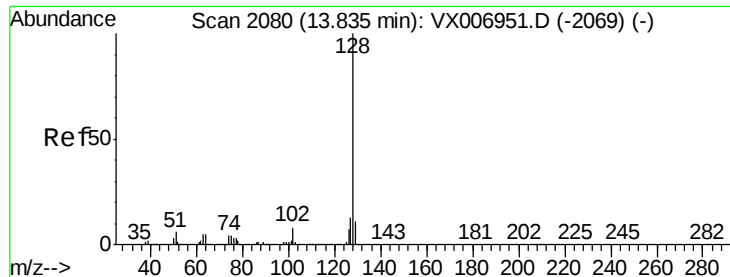
MMDadoda
 1/28/2019 12:01:36 PM



#94
 Hexachlorobutadiene
 Concen: 54.717 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX007230.D
 Acq: 25 Jan 2019 15:34

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	198845		
223	63.5	32.1	96.3	
227	63.5	32.3	96.8	





#95

Naphthalene

Concen: 50.449 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX007230.D

Acq: 25 Jan 2019 15:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:128 Resp: 1251887

Ion Ratio Lower Upper

128 100

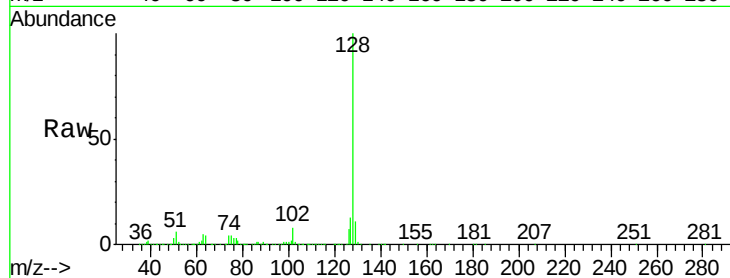
127 13.0 10.1 15.1

129 10.8 8.6 13.0

Manual Integrations
APPROVED

MMDadoda

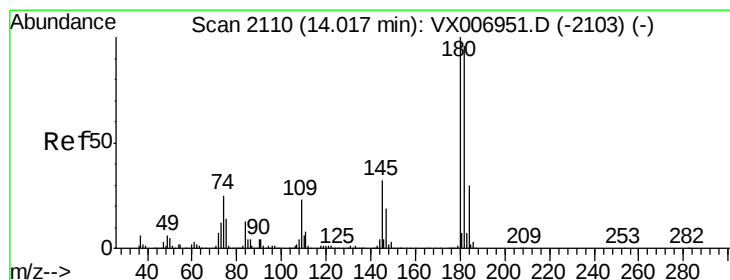
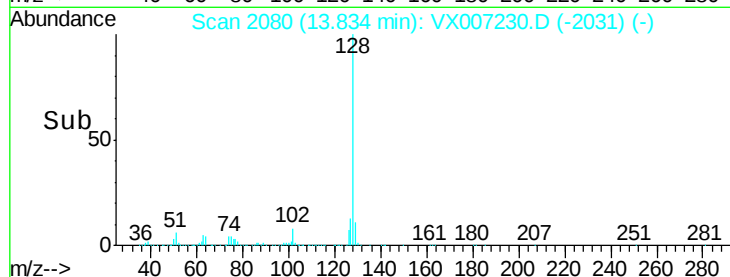
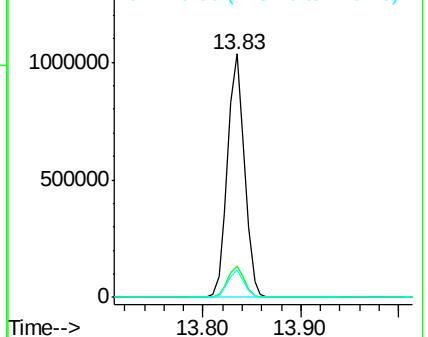
1/28/2019 12:01:36 PM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 50.187 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX007230.D

Acq: 25 Jan 2019 15:34

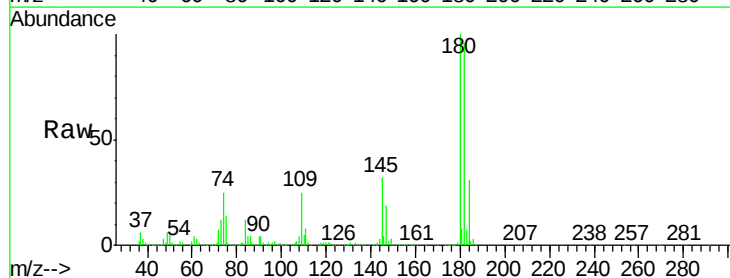
Tgt Ion:180 Resp: 408269

Ion Ratio Lower Upper

180 100

182 96.8 48.5 145.5

145 31.5 16.0 47.9



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

