

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX011019\
 Data File : VX007002.D
 Acq On : 10 Jan 2019 20:40
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/11/2019 11:42:45 AM

Quant Time: Jan 11 08:12:45 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	5.67	168	529953	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	787047	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	715032	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	365186	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	272342	49.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.34%	
35) Dibromofluoromethane	5.50	113	246499	48.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.82%	
50) Toluene-d8	8.71	98	914417	49.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.14%	
62) 4-Bromofluorobenzene	11.13	95	320398	49.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	233958	53.759	ug/l	95
3) Chloromethane	1.32	50	250060	49.358	ug/l	99
4) Vinyl Chloride	1.41	62	270105	49.563	ug/l	98
5) Bromomethane	1.64	94	259399	44.551	ug/l	99
6) Chloroethane	1.71	64	176365	46.347	ug/l	98
7) Trichlorofluoromethane	1.92	101	424653	48.225	ug/l	100
8) Diethyl Ether	2.19	74	165839	47.339	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	247818	47.008	ug/l	100
10) Methyl Iodide	2.51	142	390626	54.931	ug/l	99
11) Tert butyl alcohol	3.09	59	318625	243.879	ug/l	98
12) 1,1-Dichloroethene	2.37	96	233796	48.001	ug/l	98
13) Acrolein	2.30	56	112635	200.515	ug/l	97
14) Allyl chloride	2.73	41	403127	48.293	ug/l	98
15) Acrylonitrile	3.15	53	747065	249.086	ug/l	99
16) Acetone	2.45	43	635699	232.173	ug/l	99
17) Carbon Disulfide	2.57	76	558985	44.576	ug/l	99
18) Methyl Acetate	2.78	43	414256	52.244	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	830000	49.096	ug/l	99
20) Methylene Chloride	2.85	84	269251	51.721	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	252693	46.555	ug/l	98
22) Diisopropyl ether	3.87	45	762824	48.609	ug/l	94
23) Vinyl Acetate	3.82	43	3217518	243.120	ug/l	100
24) 1,1-Dichloroethane	3.70	63	425263	48.463	ug/l	100
25) 2-Butanone	4.70	43	960599	245.192	ug/l	98
26) 2,2-Dichloropropane	4.58	77	288522	42.759	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	285492	47.685	ug/l	99
28) Bromochloromethane	5.02	49	193891	50.432	ug/l	97
29) Tetrahydrofuran	5.15	42	632063	248.253	ug/l	98
30) Chloroform	5.21	83	452610	49.264	ug/l	97
31) Cyclohexane	5.57	56	379258	48.560	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	382270	49.089	ug/l	98
36) 1,1-Dichloropropene	5.80	75	328068	47.944	ug/l	98
37) Ethyl Acetate	4.85	43	362814	49.456	ug/l	98
38) Carbon Tetrachloride	5.78	117	327291	47.540	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	411610	47.184	ug/l	98
40) Benzene	6.14	78	1012370	48.487	ug/l	99
41) Methacrylonitrile	5.06	41	201979	47.793	ug/l	99
42) 1,2-Dichloroethane	6.20	62	341198	47.290	ug/l	100
43) Isopropyl Acetate	6.46	43	577074	49.870	ug/l	98
44) Trichloroethene	7.21	130	297303	47.518	ug/l	94
45) 1,2-Dichloropropane	7.51	63	256336	48.834	ug/l	97
46) Dibromomethane	7.66	93	184283	49.954	ug/l	99
47) Bromodichloromethane	7.90	83	316721	50.438	ug/l	95
48) Methyl methacrylate	7.77	41	300186	50.515	ug/l	98
49) 1,4-Dioxane	7.76	88	136651	1007.014	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	1881397	252.992	ug/l	99
52) Toluene	8.79	92	651911	48.578	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	344252	49.440	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	389316	50.629	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	271703	50.583	ug/l	97
56) Ethyl methacrylate	9.18	69	400663	51.094	ug/l	96
57) 1,3-Dichloropropane	9.37	76	436018	49.548	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	1019743	252.924	ug/l	99
59) 2-Hexanone	9.49	43	1419697	250.515	ug/l	99
60) Dibromochloromethane	9.59	129	277151	53.136	ug/l	98
61) 1,2-Dibromoethane	9.67	107	294569	49.814	ug/l	99
64) Tetrachloroethene	9.34	164	287739	46.480	ug/l	96
65) Chlorobenzene	10.14	112	754707	48.393	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	267976	51.080	ug/l	100
67) Ethyl Benzene	10.25	91	1240211	48.171	ug/l	98
68) m/p-Xylenes	10.36	106	985735	97.179	ug/l	100
69) o-Xylene	10.70	106	481027	48.626	ug/l	98
70) Styrene	10.71	104	775213	49.479	ug/l	99
71) Bromoform	10.86	173	199026	43.121	ug/l	100
73) Isopropylbenzene	11.02	105	1261694	48.997	ug/l	100
74) N-amyl acetate	10.90	43	514960	49.669	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	398566	48.754	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	361985m	48.915	ug/l	
77) Bromobenzene	11.26	156	337911	47.625	ug/l	99
78) n-propylbenzene	11.36	91	1411112	49.918	ug/l	99
79) 2-Chlorotoluene	11.42	91	821467	48.274	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	1039756	48.323	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	105752	43.646	ug/l	98
82) 4-Chlorotoluene	11.51	91	944425	47.934	ug/l	100
83) tert-Butylbenzene	11.77	119	1058017	49.284	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	1066148	49.275	ug/l	100
85) sec-Butylbenzene	11.94	105	1255140	48.956	ug/l	100
86) p-Isopropyltoluene	12.07	119	1132407	49.379	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	607428	47.364	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	602029	49.547	ug/l	100
89) n-Butylbenzene	12.39	91	961235	49.170	ug/l	99
90) Hexachloroethane	12.60	117	167994	46.126	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	603373	47.675	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	81831	50.613	ug/l	97

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VSTDCCC050EC

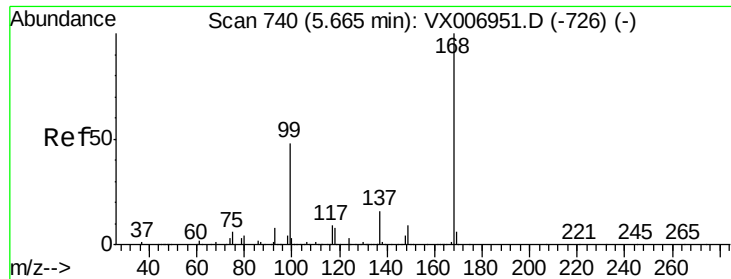
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	419622	48.327	ug/l	99
94) Hexachlorobutadiene	13.79	225	188669	48.964	ug/l	98
95) Naphthalene	13.83	128	1310146	49.794	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	417866	48.445	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX007002.D

Acq: 10 Jan 2019 20:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 529953

Ion Ratio Lower Upper

168 100

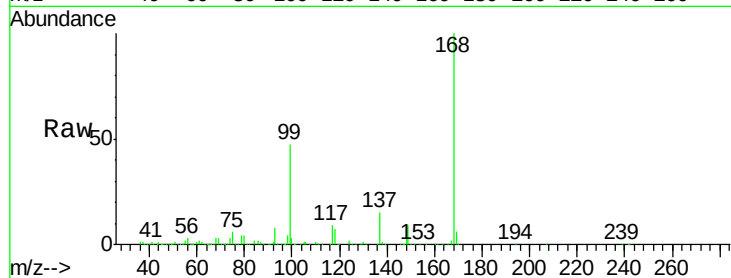
99 47.2 41.8 62.8

Manual Integrations

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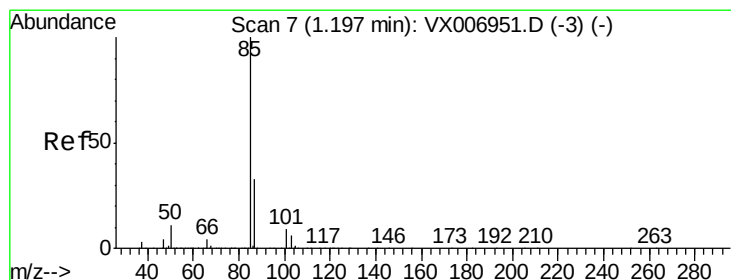
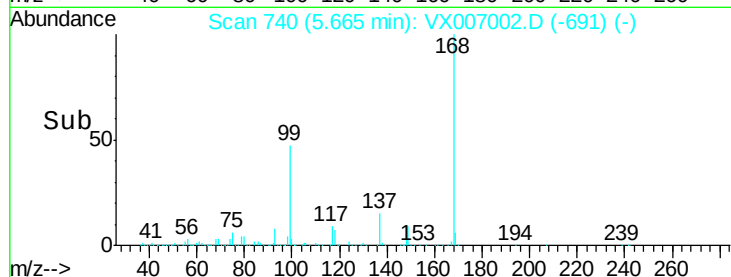
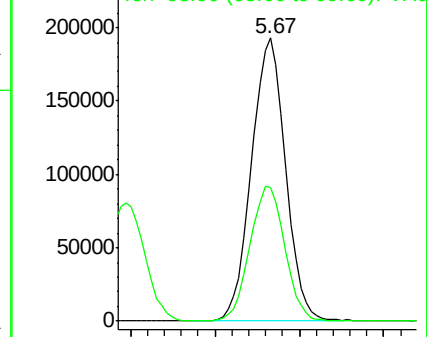
MMDadoda

1/11/2019 11:42:45 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 53.759 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX007002.D

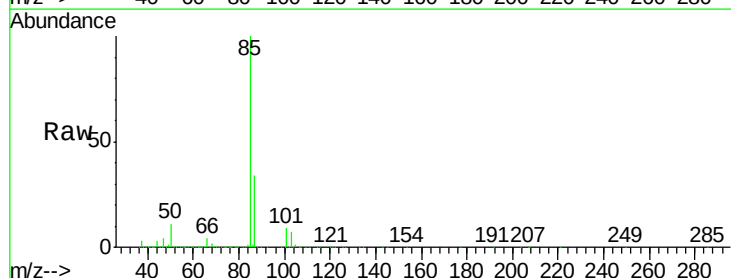
Acq: 10 Jan 2019 20:40

Tgt Ion: 85 Resp: 233958

Ion Ratio Lower Upper

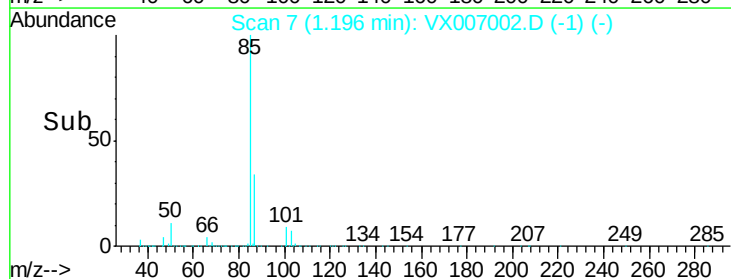
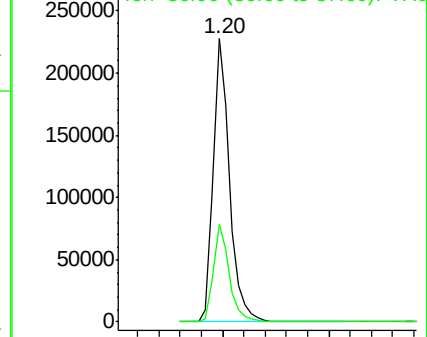
85 100

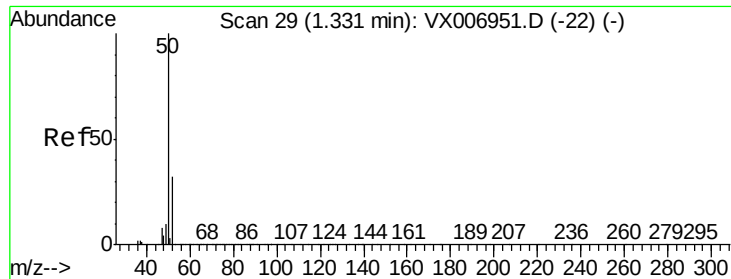
87 34.5 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 49.358 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.01 min

Lab File: VX007002.D

Acq: 10 Jan 2019 20:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 250060

Ion Ratio Lower Upper

50 100

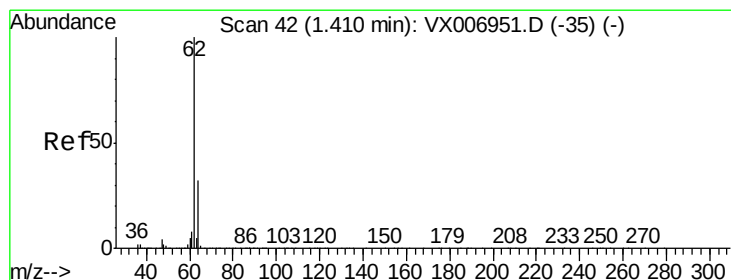
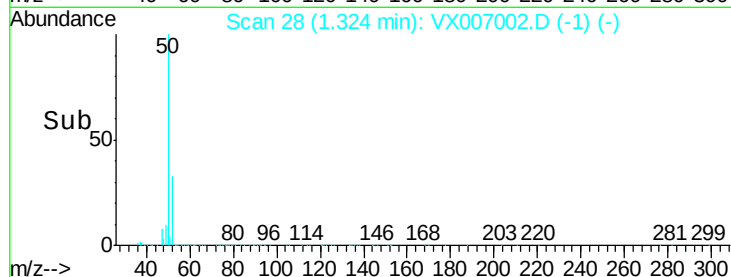
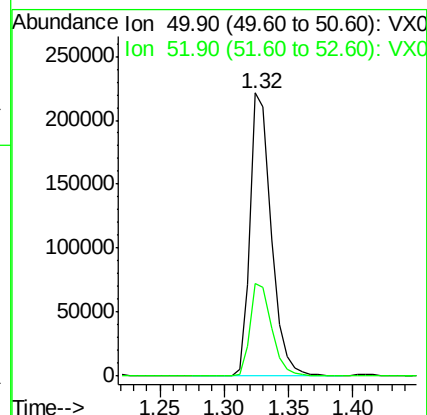
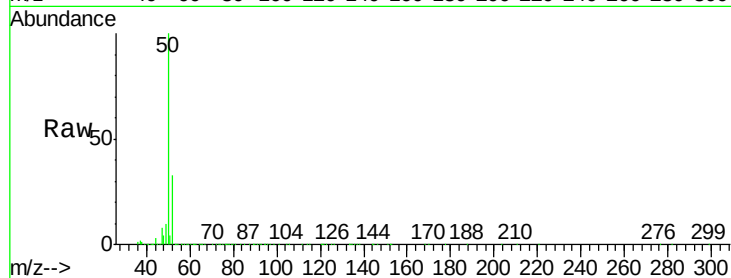
52 32.5 25.4 38.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 49.563 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX007002.D

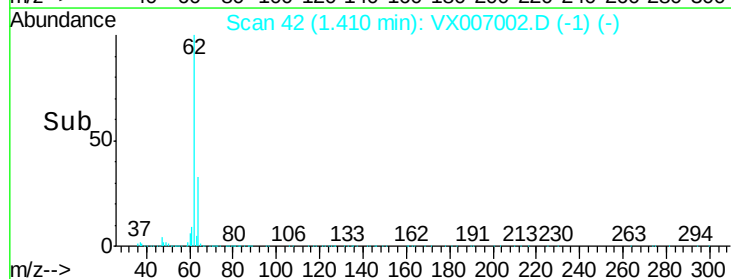
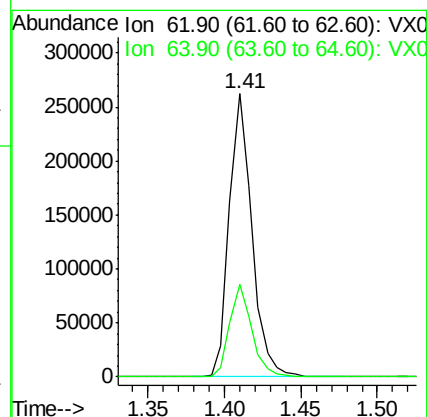
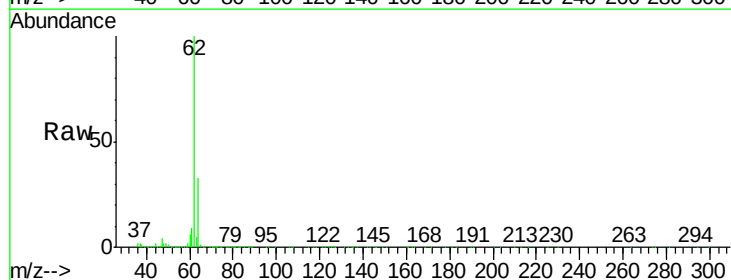
Acq: 10 Jan 2019 20:40

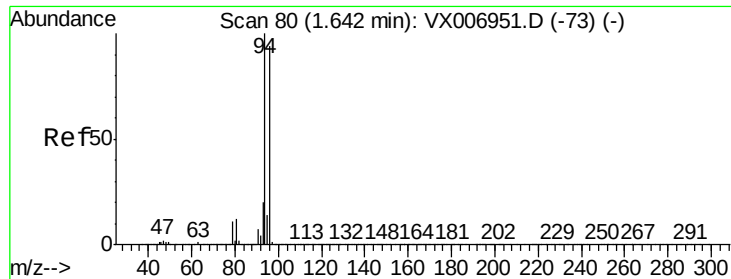
Tgt Ion: 62 Resp: 270105

Ion Ratio Lower Upper

62 100

64 32.7 25.1 37.7





#5

Bromomethane

Concen: 44.551 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX007002.D

Acq: 10 Jan 2019 20:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 259399

Ion Ratio Lower Upper

94 100

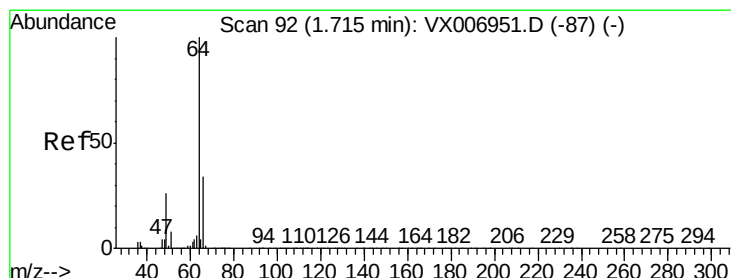
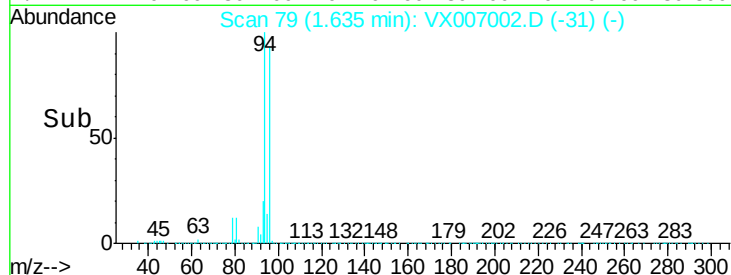
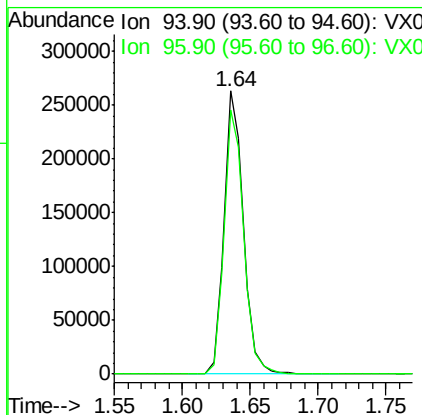
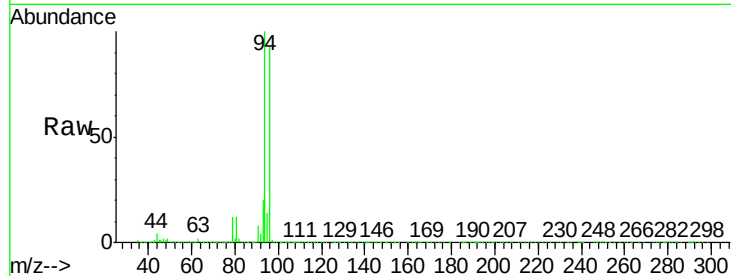
96 93.2 73.4 110.2

Manual Integrations

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#6

Chloroethane

Concen: 46.347 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX007002.D

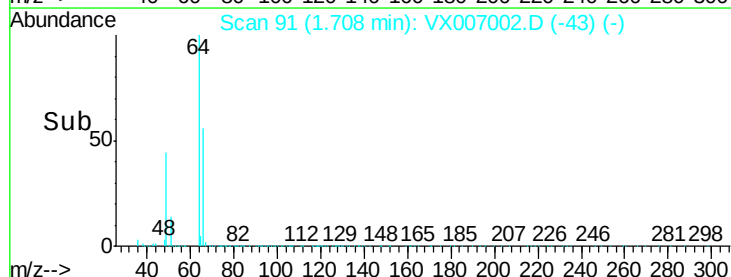
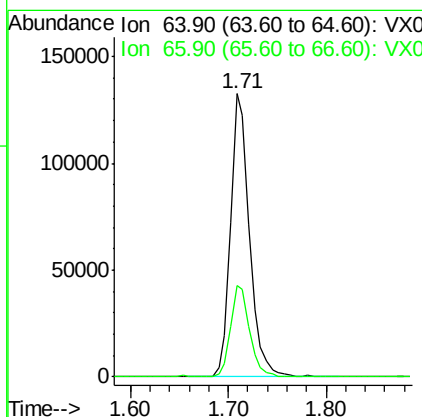
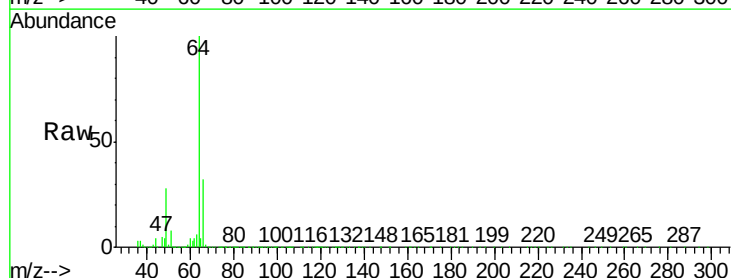
Acq: 10 Jan 2019 20:40

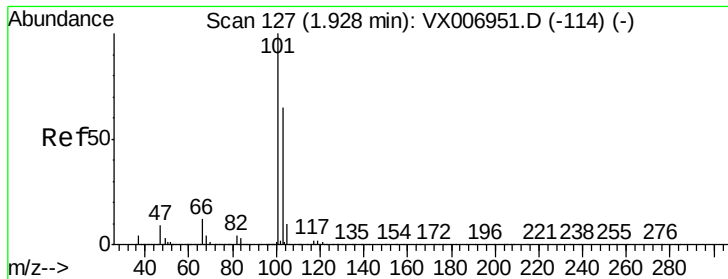
Tgt Ion: 64 Resp: 176365

Ion Ratio Lower Upper

64 100

66 32.1 26.4 39.6





#7

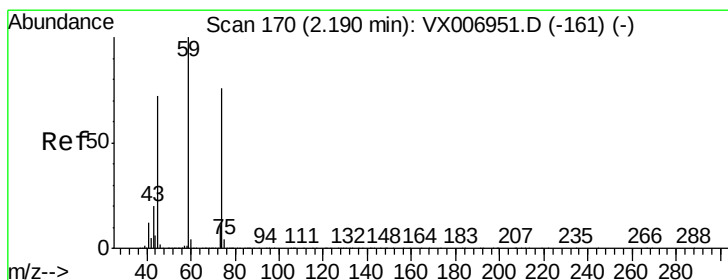
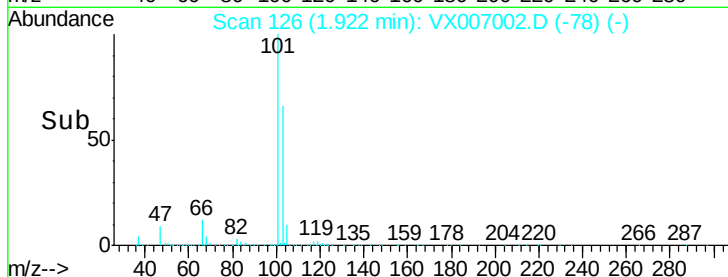
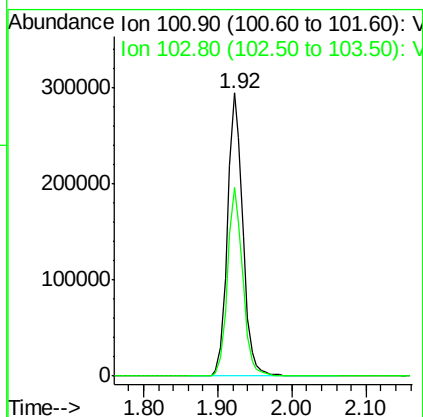
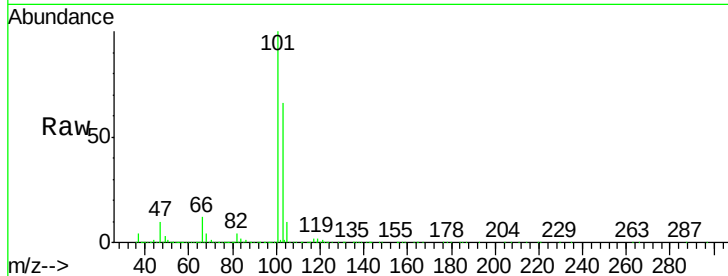
Trichlorofluoromethane
Concen: 48.225 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.01 min
Lab File: VX007002.D
Acq: 10 Jan 2019 20:40

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ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.4	53.2	79.8

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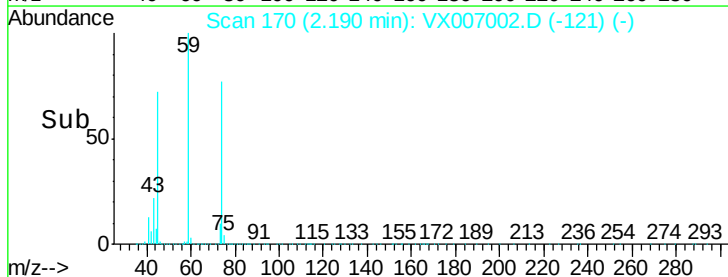
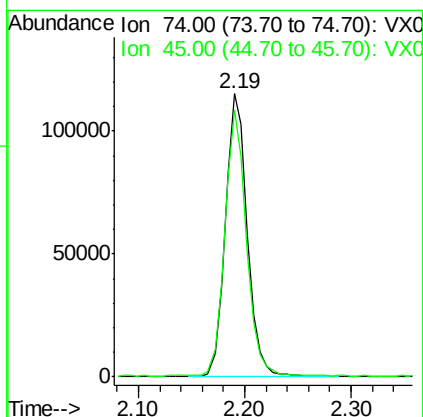
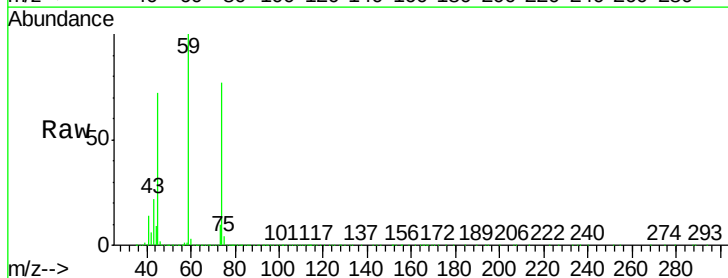
MMDadoda
1/11/2019 11:42:45 AM

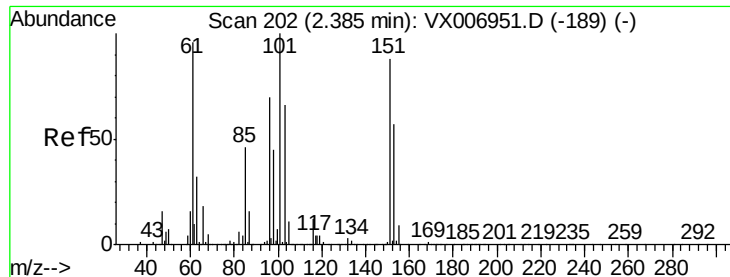


#8

Diethyl Ether
Concen: 47.339 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX007002.D
Acq: 10 Jan 2019 20:40

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.2	46.3	138.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.008 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.01 min

Lab File: VX007002.D

Acq: 10 Jan 2019 20:40

Instrument :

MSVOA_X

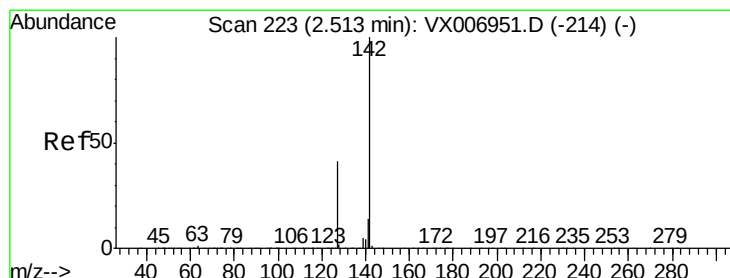
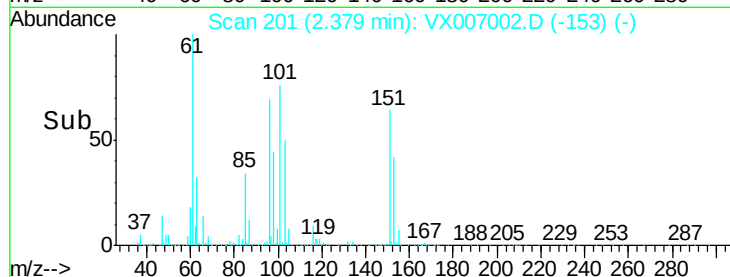
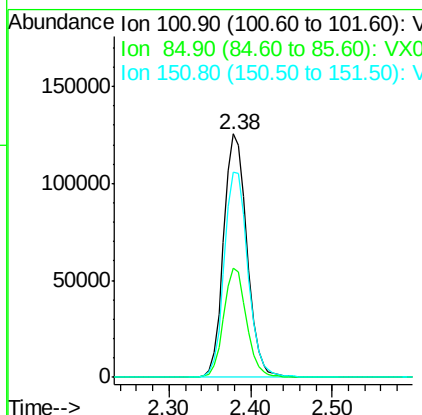
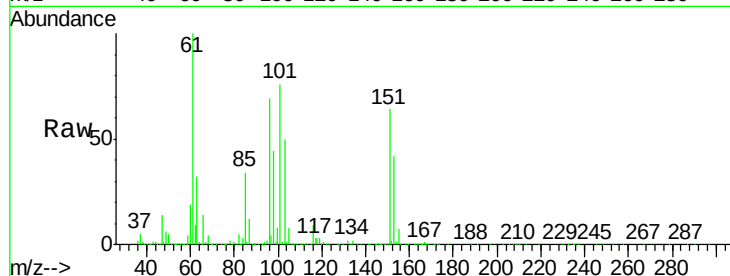
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	247818
Ion Ratio	Lower	Upper	
101	100		
85	44.1	35.1	52.7
151	85.7	68.9	103.3

Manual Integrations
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1/11/2019 11:42:45 AM



#10

Methyl Iodide

Concen: 54.931 ug/l

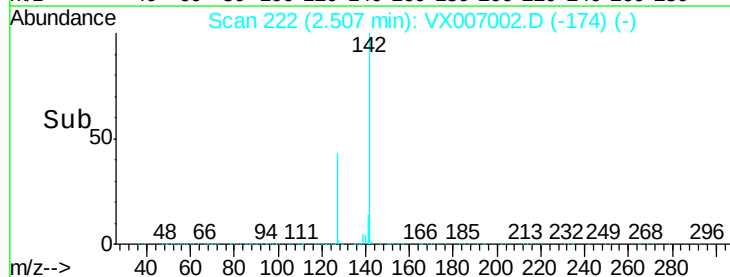
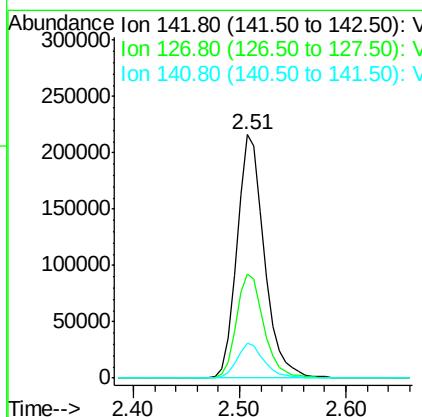
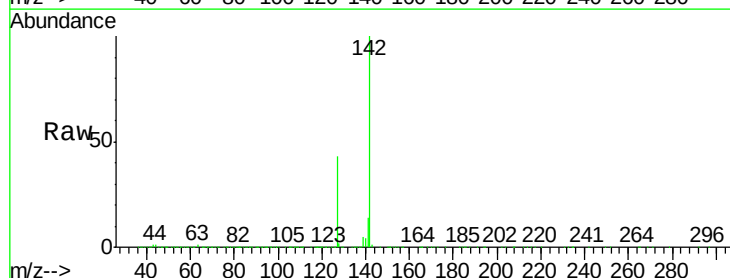
RT: 2.51 min Scan# 222

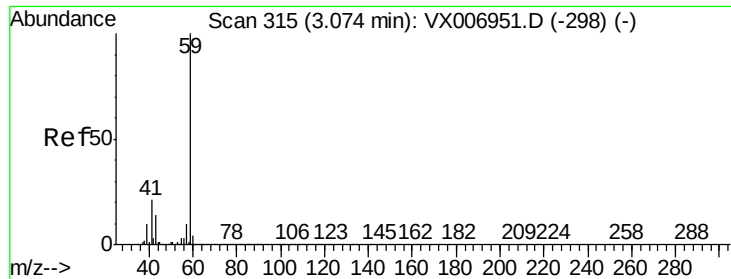
Delta R.T. -0.01 min

Lab File: VX007002.D

Acq: 10 Jan 2019 20:40

Tgt Ion:	142	Resp:	390626
Ion Ratio	Lower	Upper	
142	100		
127	43.0	33.9	50.9
141	14.2	11.4	17.0





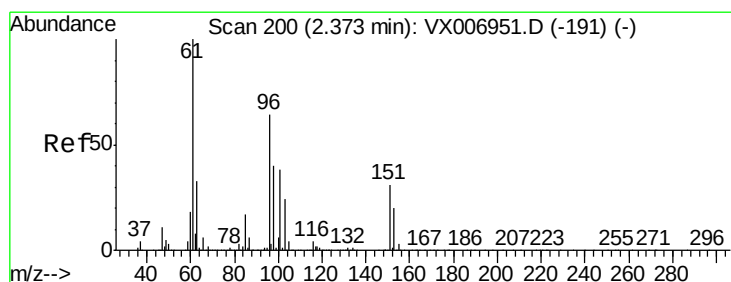
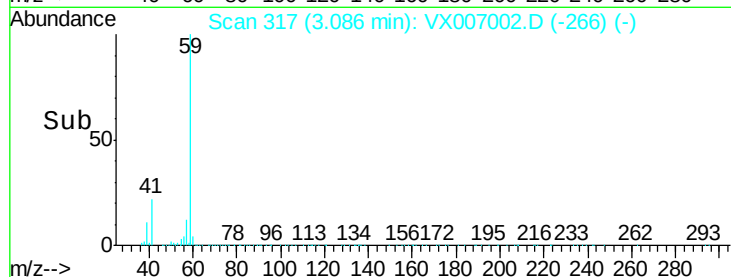
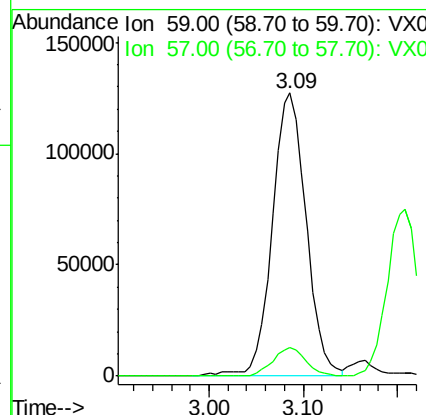
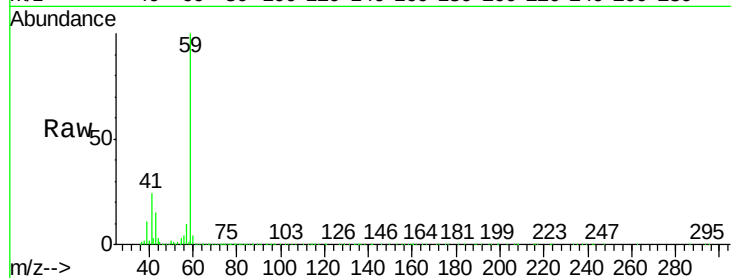
#11
Tert butyl alcohol
Concen: 243.879 ug/l
RT: 3.09 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX007002.D
Acq: 10 Jan 2019 20:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.5	12.7

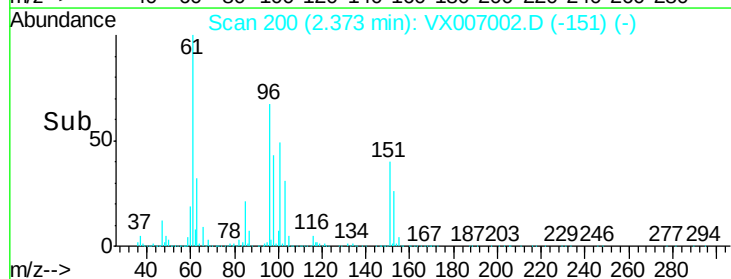
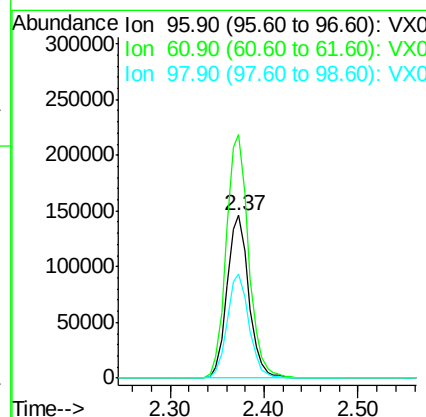
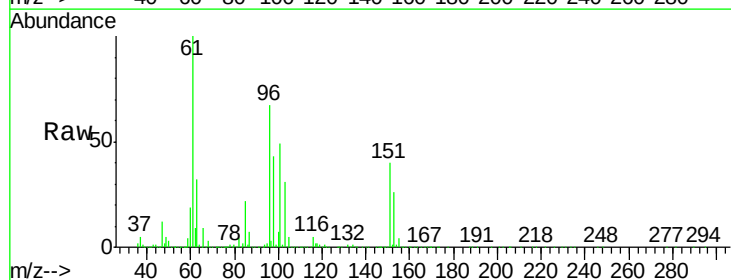
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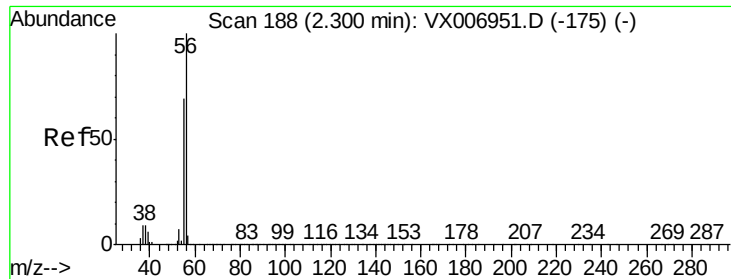
MMDadoda
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#12
1,1-Dichloroethene
Concen: 48.001 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX007002.D
Acq: 10 Jan 2019 20:40

Tgt Ion	Ratio	Lower	Upper
96	100		
61	149.8	121.4	182.2
98	63.8	51.9	77.9





#13

Acrolein

Concen: 200.515 ug/l

RT: 2.30 min Scan# 188

Delta R.T. -0.00 min

Lab File: VX007002.D

Acq: 10 Jan 2019 20:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 112635

Ion Ratio Lower Upper

56 100

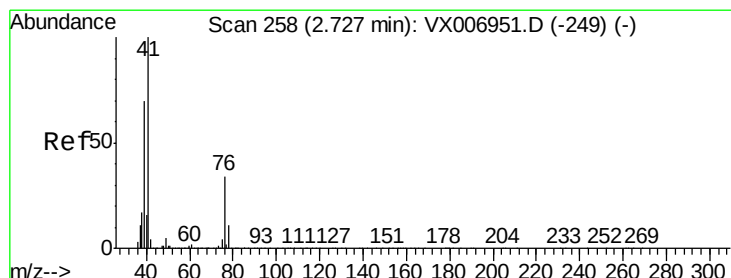
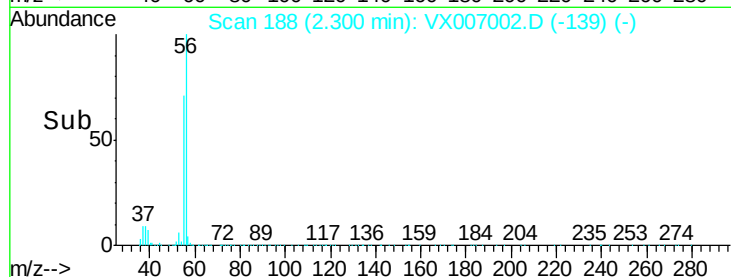
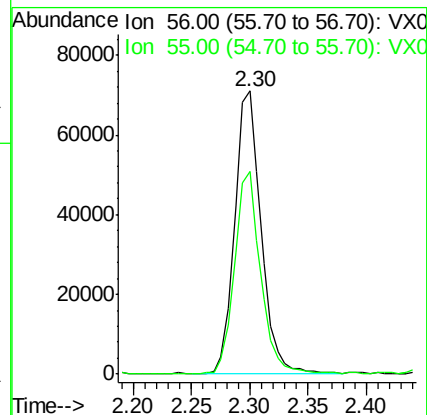
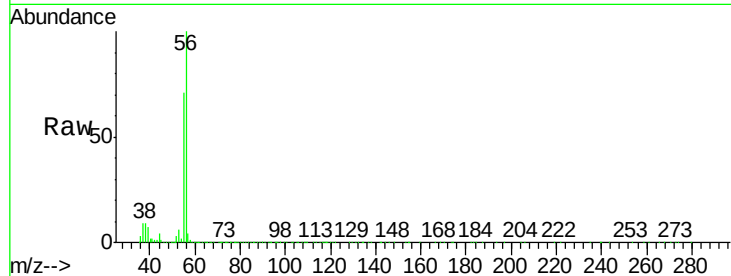
55 70.1 58.2 87.4

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#14

Allyl chloride

Concen: 48.293 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX007002.D

Acq: 10 Jan 2019 20:40

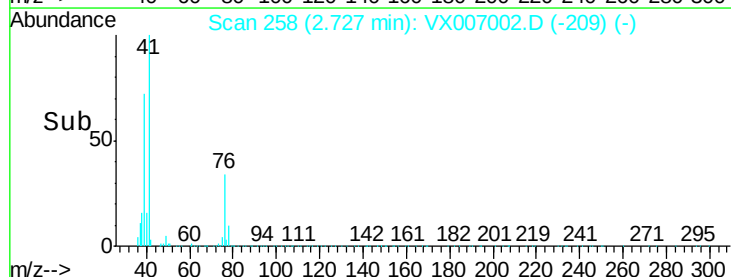
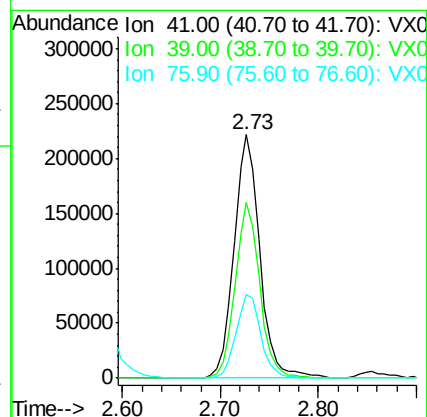
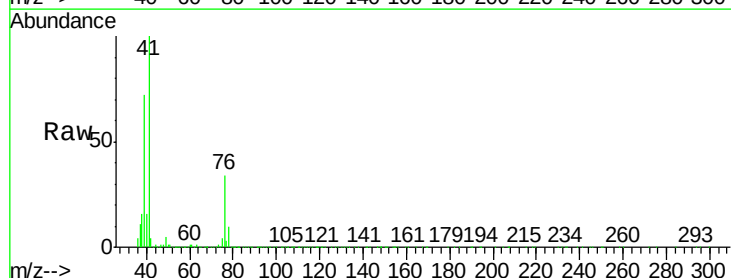
Tgt Ion: 41 Resp: 403127

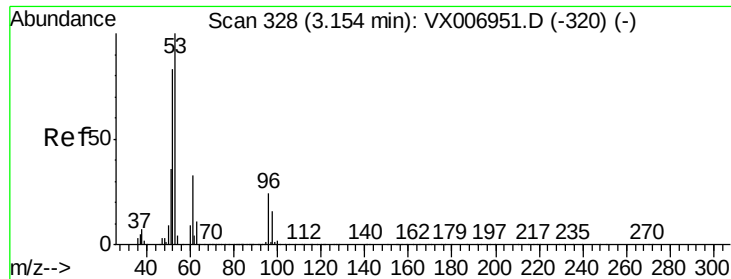
Ion Ratio Lower Upper

41 100

39 68.6 53.6 80.4

76 33.4 27.4 41.2





#15

Acrylonitrile

Concen: 249.086 ug/l

RT: 3.15 min Scan# 328

Delta R.T. -0.00 min

Lab File: VX007002.D

Acq: 10 Jan 2019 20:40

Instrument :

MSVOA_X

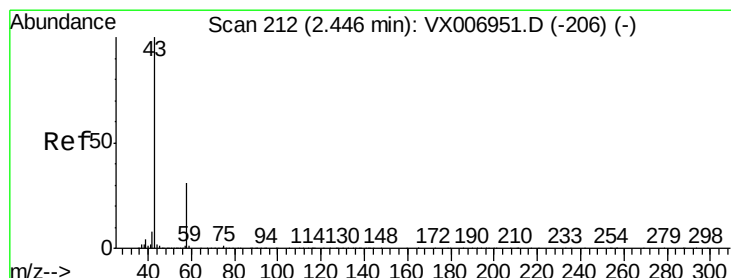
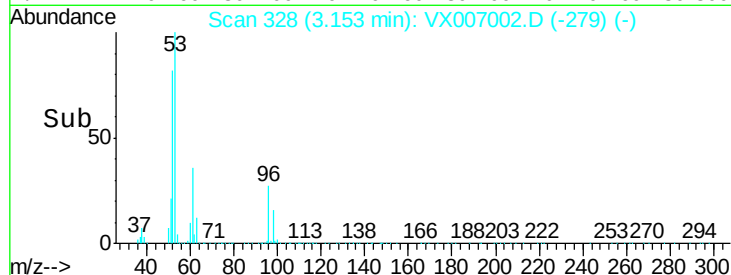
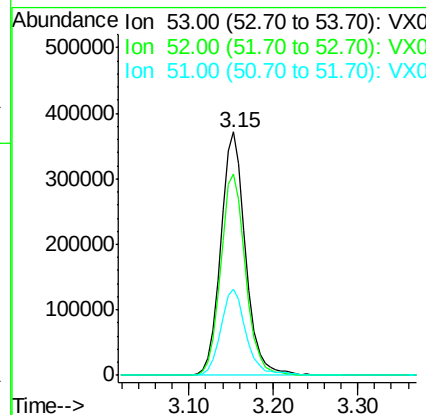
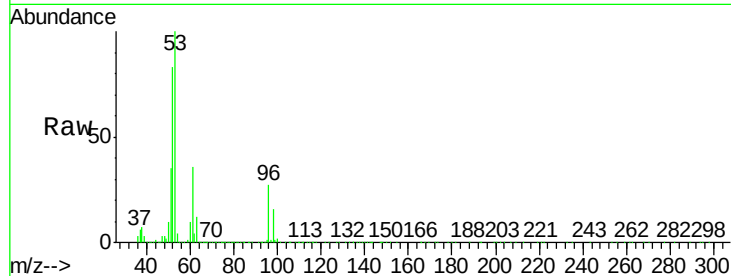
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	747065
Ion Ratio		Lower	Upper
53	100		
52	83.7	66.0	99.0
51	35.9	28.6	42.8

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#16

Acetone

Concen: 232.173 ug/l

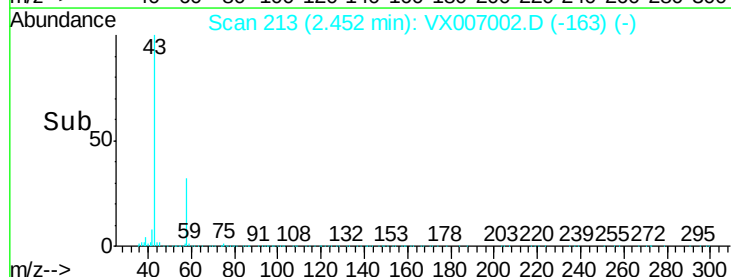
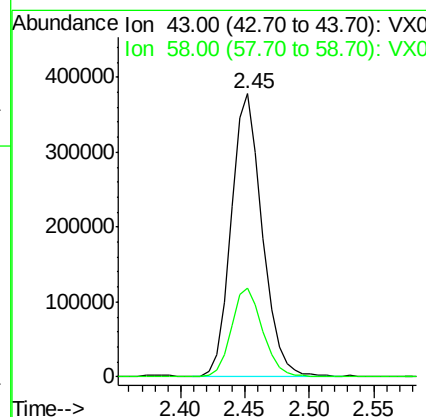
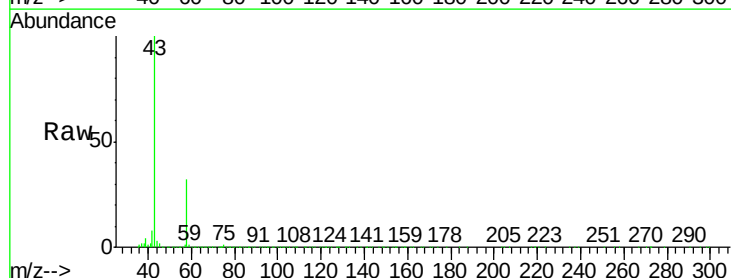
RT: 2.45 min Scan# 213

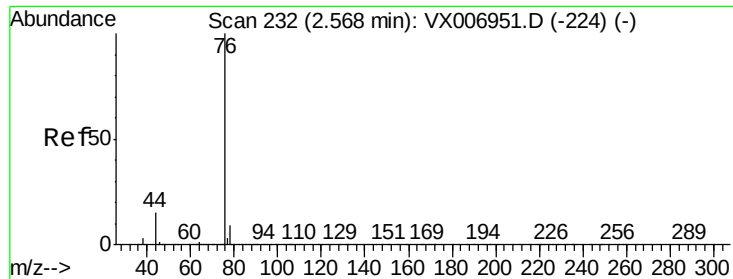
Delta R.T. 0.01 min

Lab File: VX007002.D

Acq: 10 Jan 2019 20:40

Tgt Ion:	43	Resp:	635699
Ion Ratio		Lower	Upper
43	100		
58	31.6	25.0	37.6





#17

Carbon Disulfide

Concen: 44.576 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX007002.D

Acq: 10 Jan 2019 20:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 558985

Ion Ratio Lower Upper

76 100

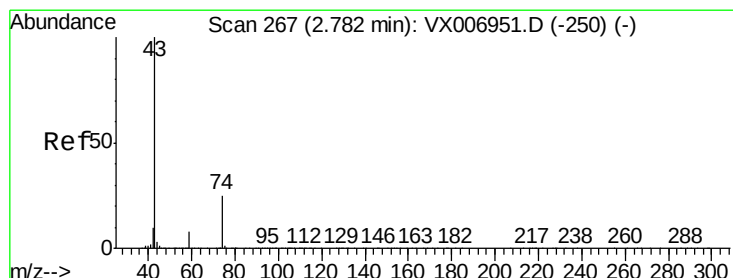
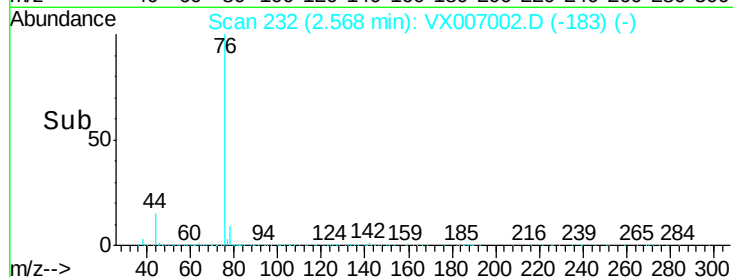
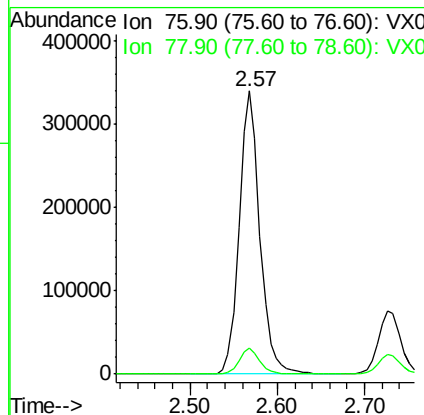
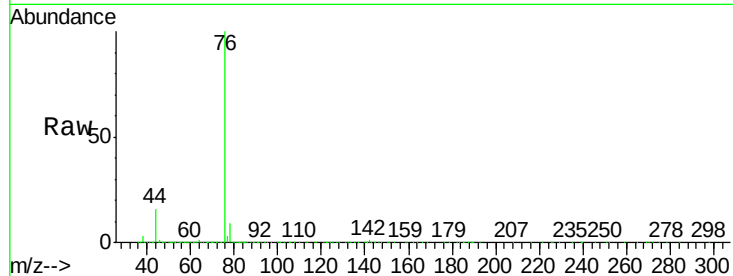
78 9.1 7.0 10.6

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#18

Methyl Acetate

Concen: 52.244 ug/l

RT: 2.78 min Scan# 267

Delta R.T. -0.00 min

Lab File: VX007002.D

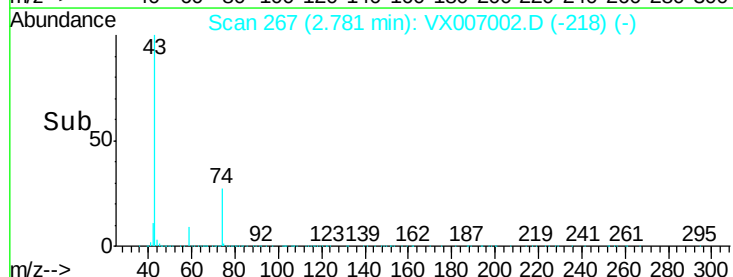
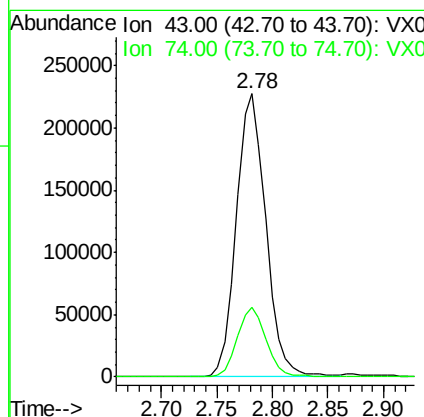
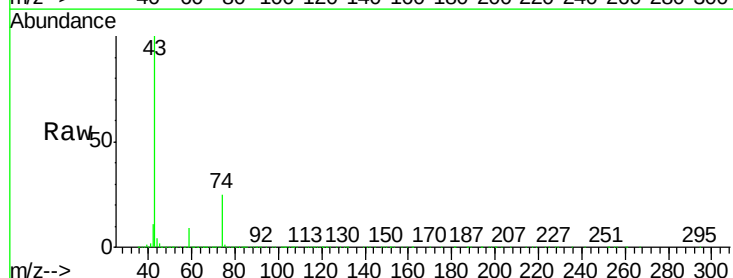
Acq: 10 Jan 2019 20:40

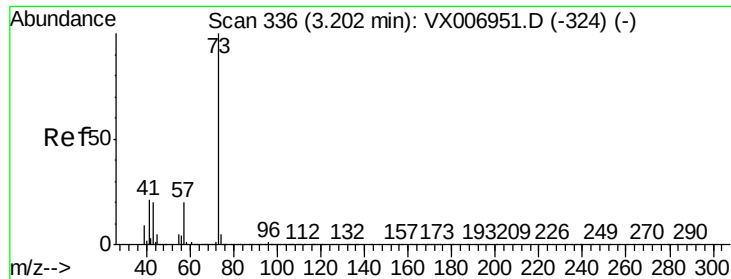
Tgt Ion: 43 Resp: 414256

Ion Ratio Lower Upper

43 100

74 23.7 18.6 28.0





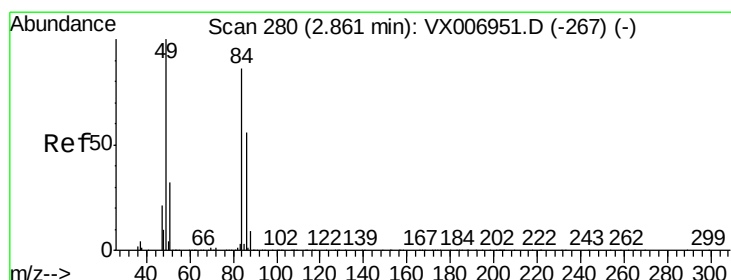
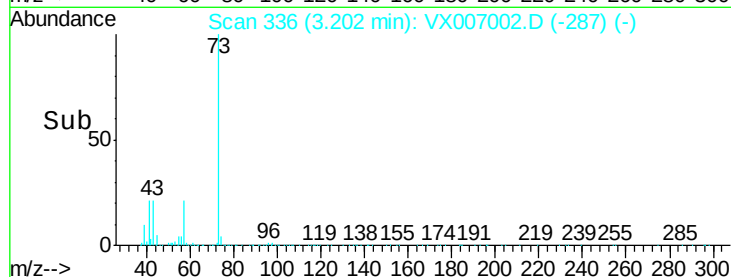
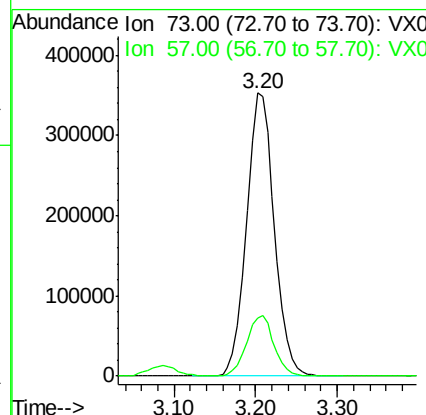
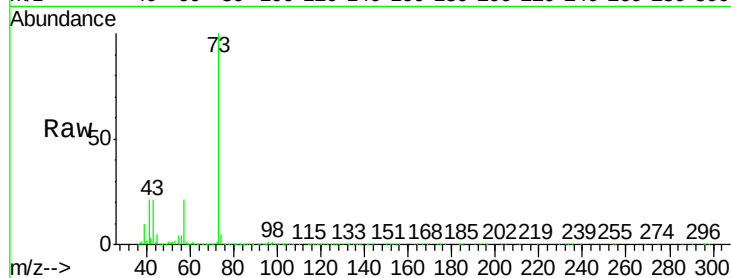
#19
Methyl tert-butyl Ether
Concen: 49.096 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX007002.D
Acq: 10 Jan 2019 20:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.6	16.8	25.2

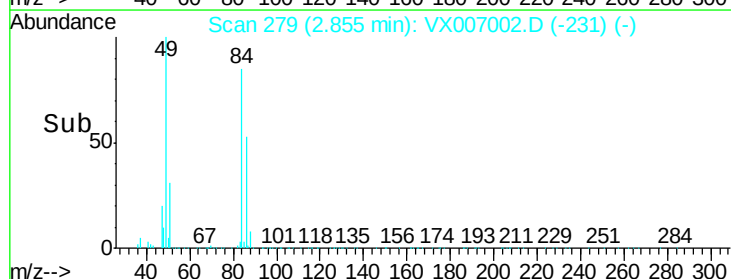
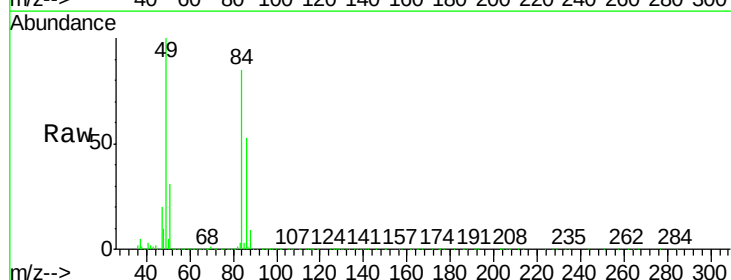
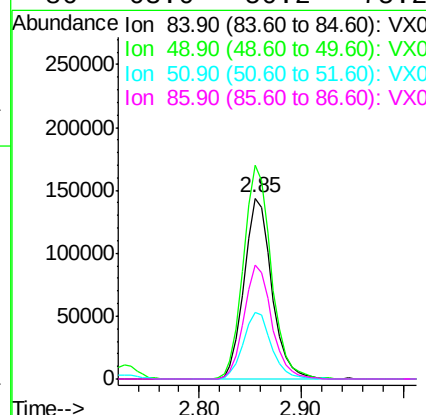
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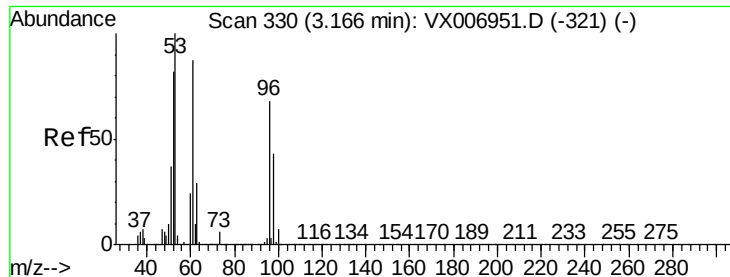
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#20
Methylene Chloride
Concen: 51.721 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX007002.D
Acq: 10 Jan 2019 20:40

Tgt Ion	Ratio	Lower	Upper
84	100		
49	118.1	91.8	137.6
51	36.6	28.5	42.7
86	63.0	50.2	75.2





#21

trans-1,2-Dichloroethene

Concen: 46.555 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX007002.D

Acq: 10 Jan 2019 20:40

Instrument :

MSVOA_X

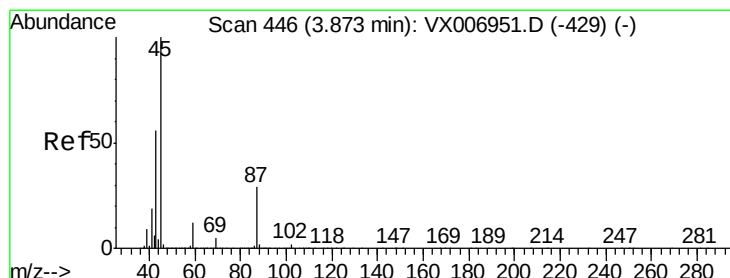
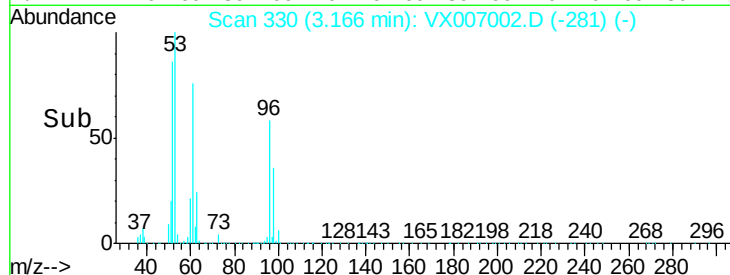
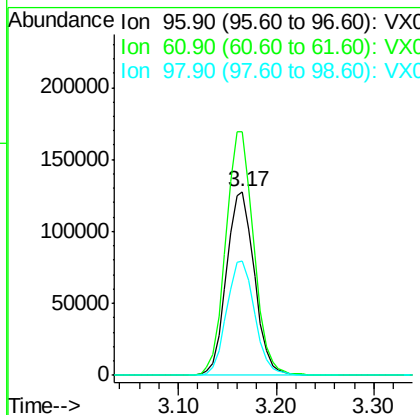
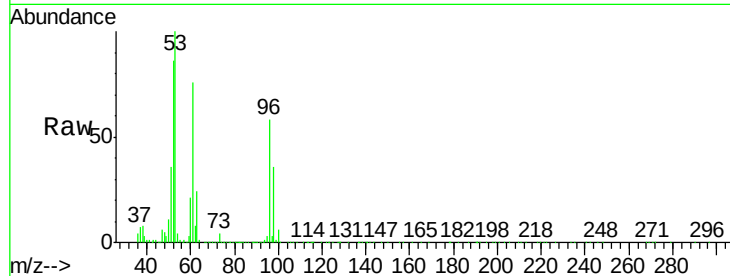
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	252693
Ion	Ratio	Lower	Upper
96	100		
61	132.6	103.7	155.5
98	62.6	51.0	76.6

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#22

Diisopropyl ether

Concen: 48.609 ug/l

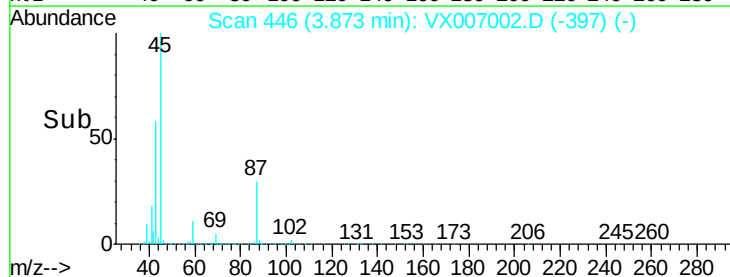
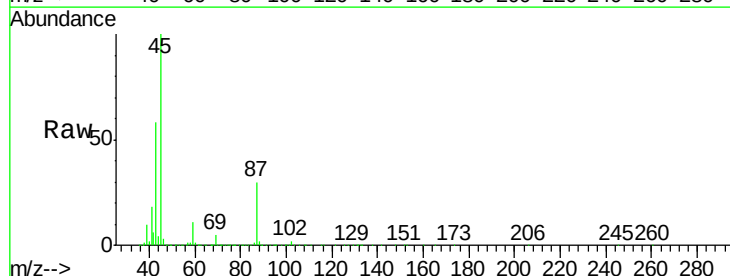
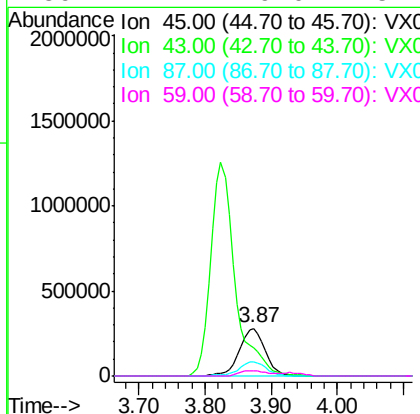
RT: 3.87 min Scan# 446

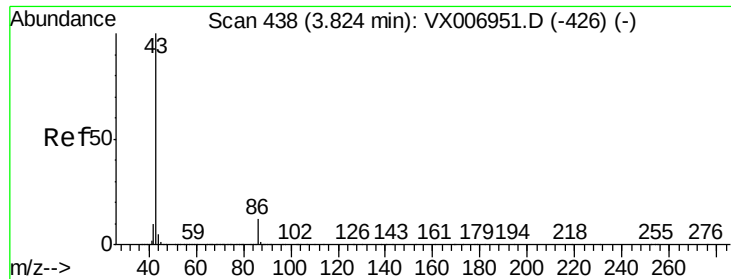
Delta R.T. -0.00 min

Lab File: VX007002.D

Acq: 10 Jan 2019 20:40

Tgt Ion:	45	Resp:	762824
Ion	Ratio	Lower	Upper
45	100		
43	57.9	51.2	76.8
87	30.4	25.8	38.6
59	11.4	9.0	13.4





#23

Vinyl Acetate

Concen: 243.120 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.00 min

Lab File: VX007002.D

Acq: 10 Jan 2019 20:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 3217518

Ion Ratio Lower Upper

43 100

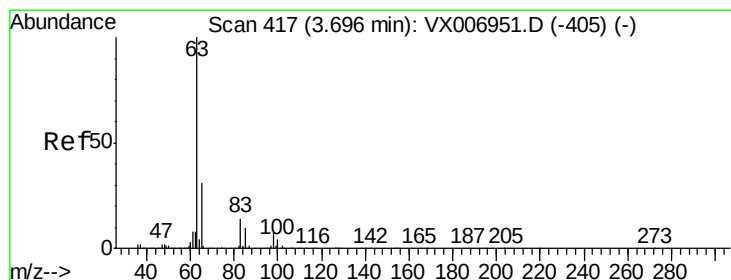
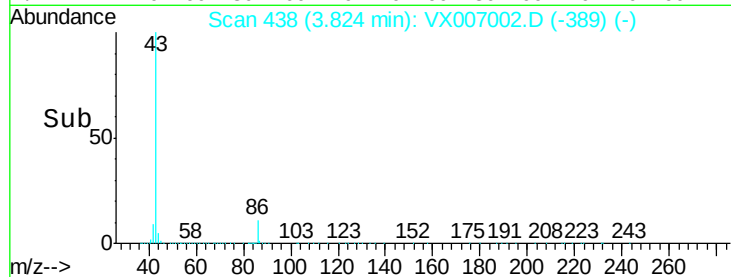
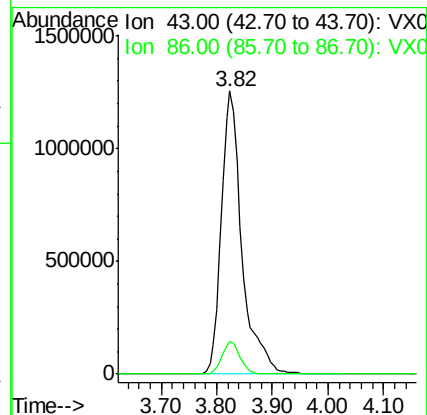
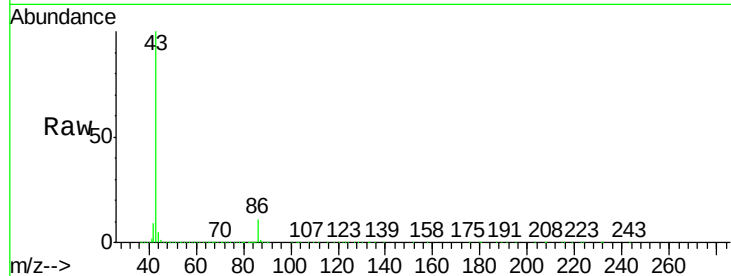
86 11.4 9.2 13.8

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#24

1,1-Dichloroethane

Concen: 48.463 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX007002.D

Acq: 10 Jan 2019 20:40

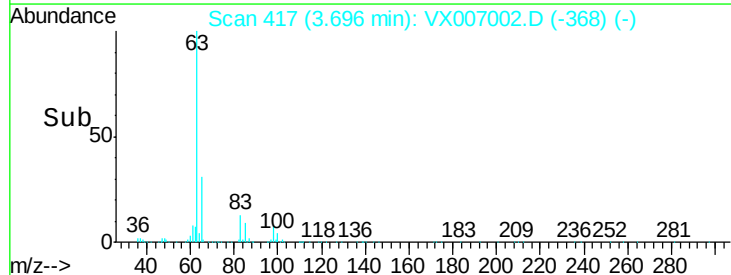
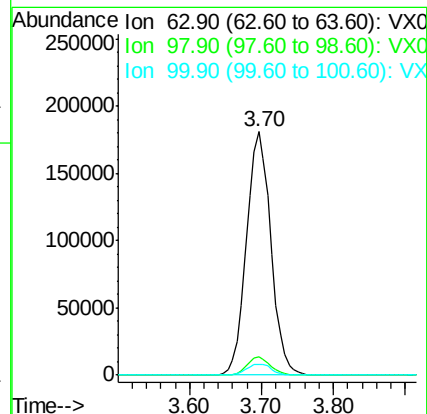
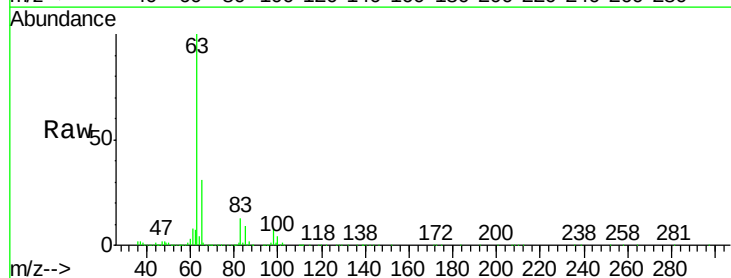
Tgt Ion: 63 Resp: 425263

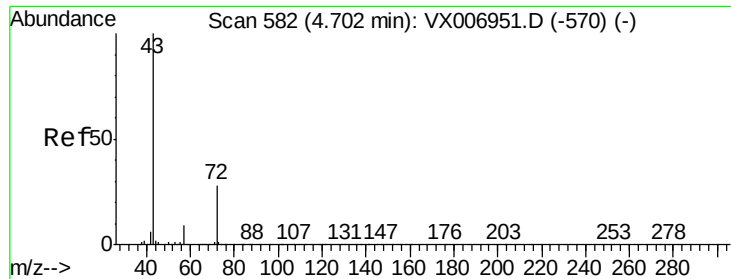
Ion Ratio Lower Upper

63 100

98 7.7 3.9 11.5

100 4.4 2.4 7.2





#25

2-Butanone

Concen: 245.192 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX007002.D

Acq: 10 Jan 2019 20:40

Tot Ion: 43 Resp: 960599

Ion Ratio Lower Upper

43 100

72 27.1 22.4 33.6

Instrument :

MSVOA_X

ClientSampleId :

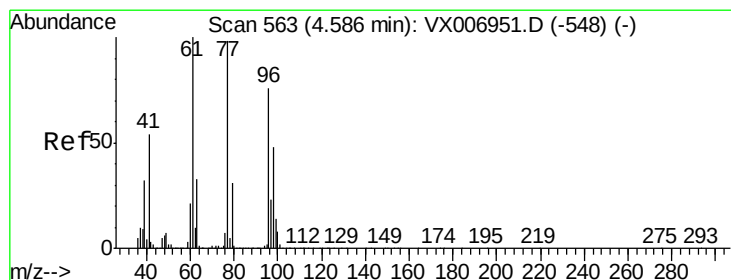
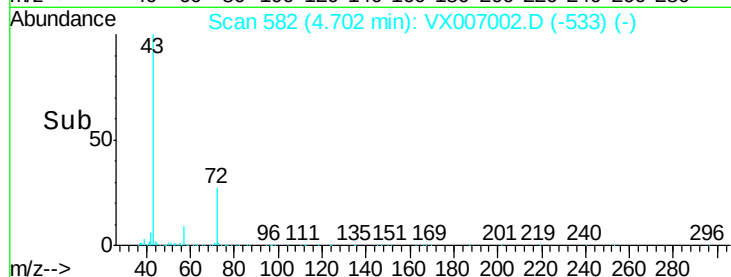
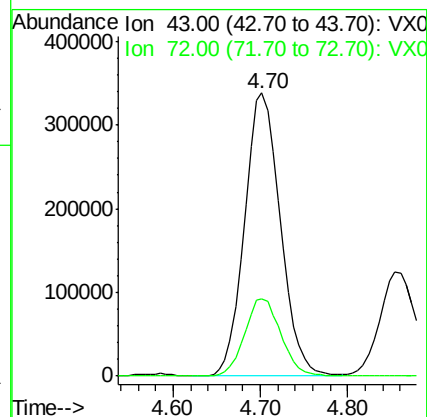
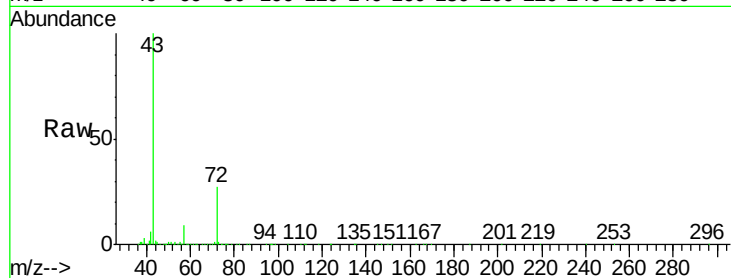
VSTDCCC050EC

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#26

2,2-Dichloropropane

Concen: 42.759 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX007002.D

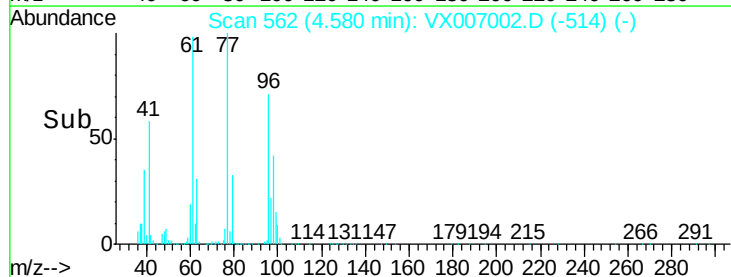
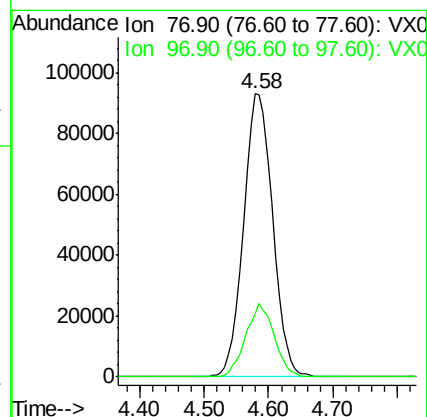
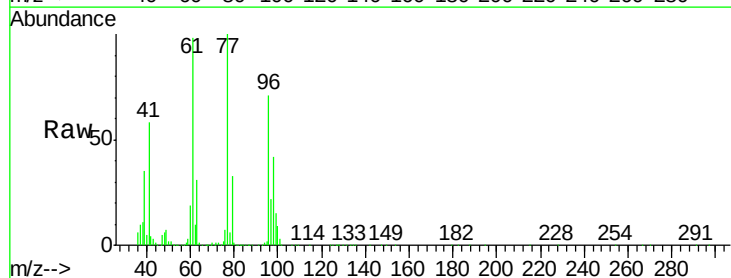
Acq: 10 Jan 2019 20:40

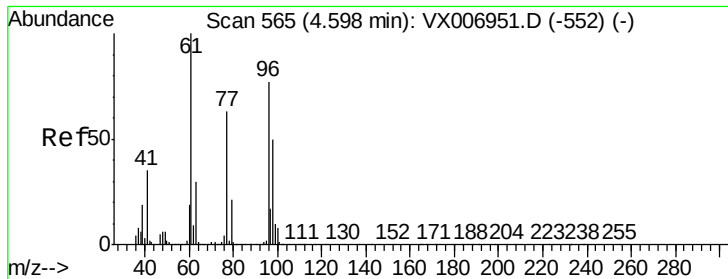
Tgt Ion: 77 Resp: 288522

Ion Ratio Lower Upper

77 100

97 25.4 12.4 37.4





#27

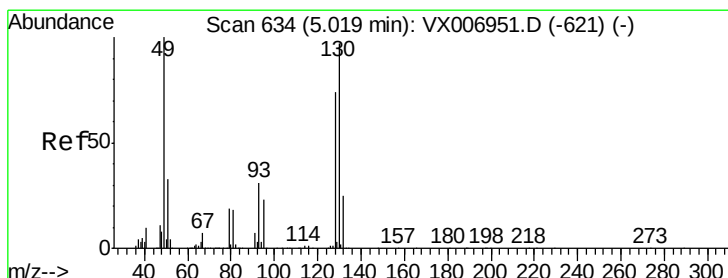
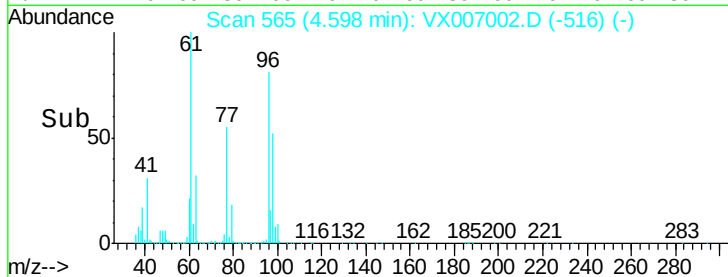
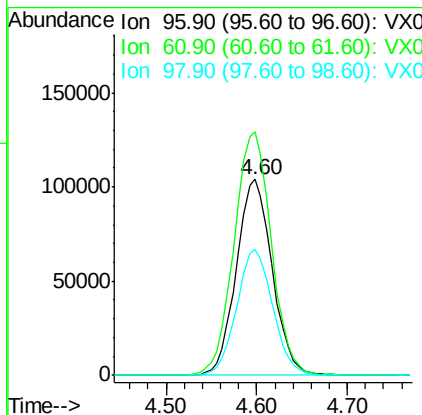
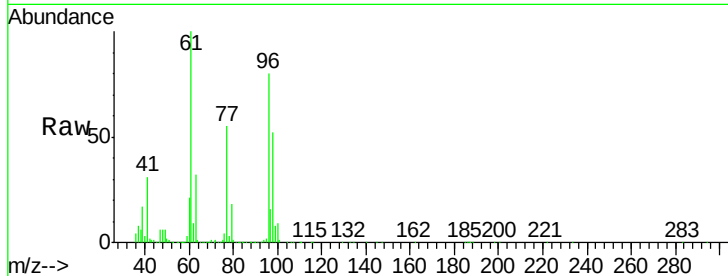
cis-1,2-Dichloroethene
Concen: 47.685 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX007002.D
Acq: 10 Jan 2019 20:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	129.4	0.0	258.6
98	64.7	0.0	132.0

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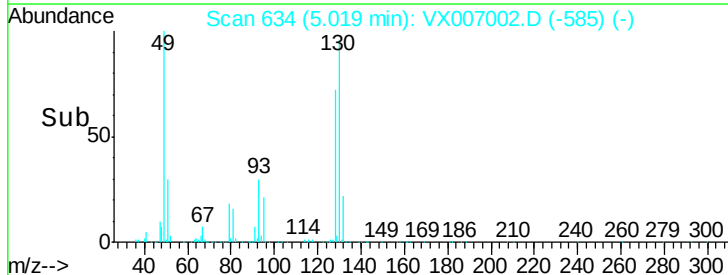
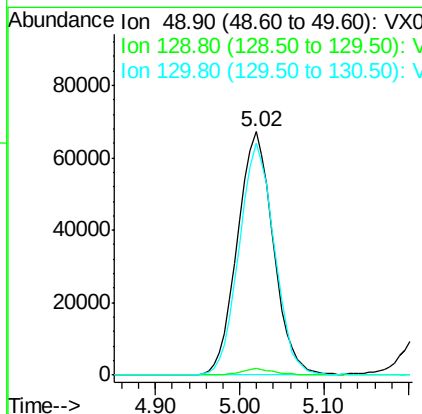
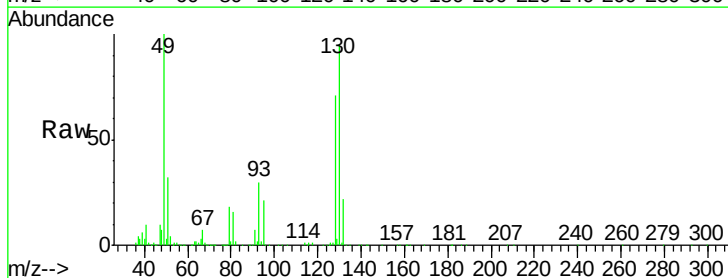
MMDadoda
1/11/2019 11:42:45 AM

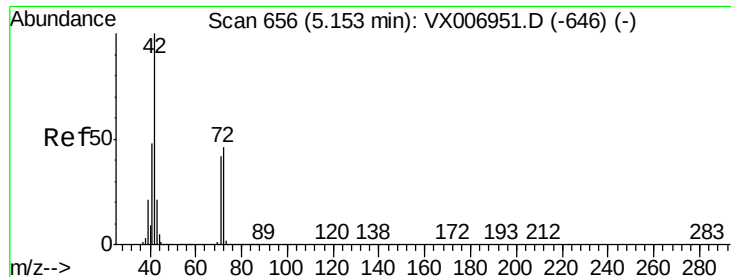


#28

Bromochloromethane
Concen: 50.432 ug/l
RT: 5.02 min Scan# 634
Delta R.T. -0.00 min
Lab File: VX007002.D
Acq: 10 Jan 2019 20:40

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	5.4
130	93.7	77.7	116.5





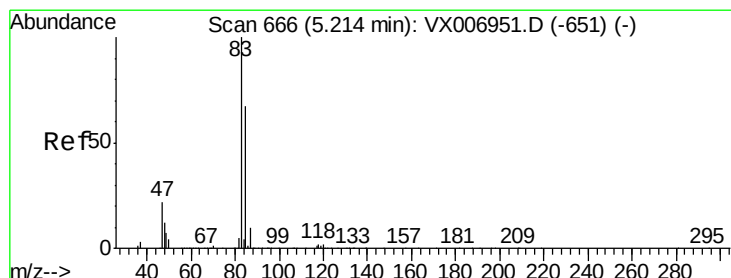
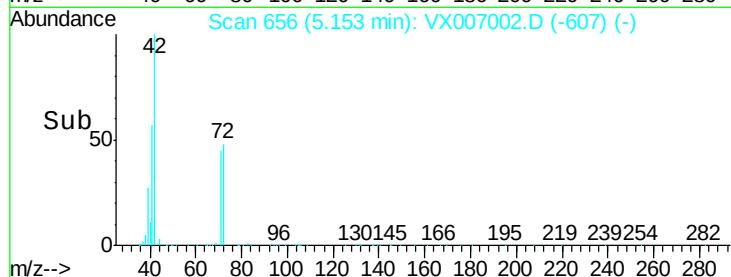
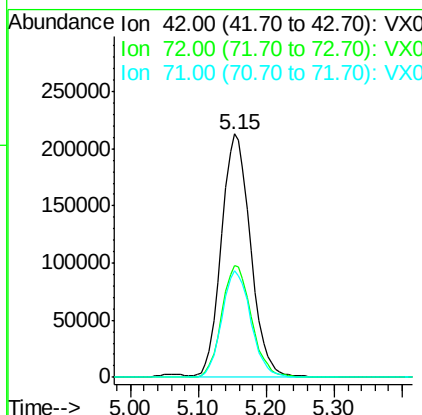
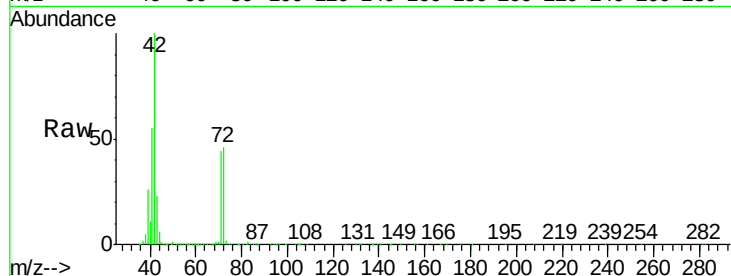
#29
Tetrahydrofuran
Concen: 248.253 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.00 min
Lab File: VX007002.D
Acq: 10 Jan 2019 20:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.1	38.9	58.3
71	43.5	36.2	54.4

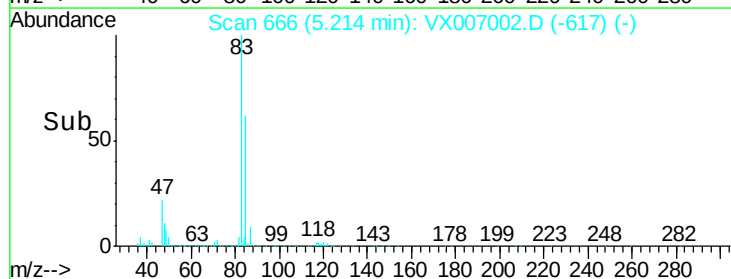
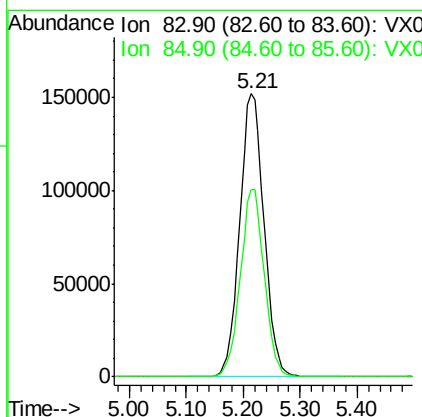
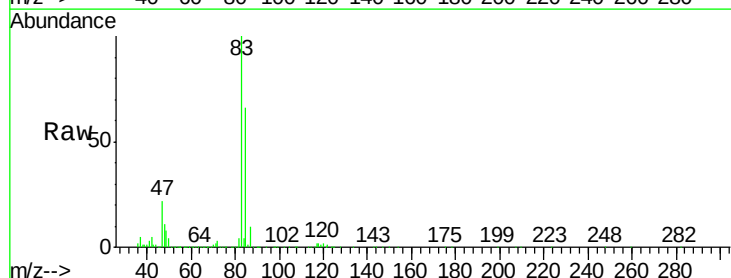
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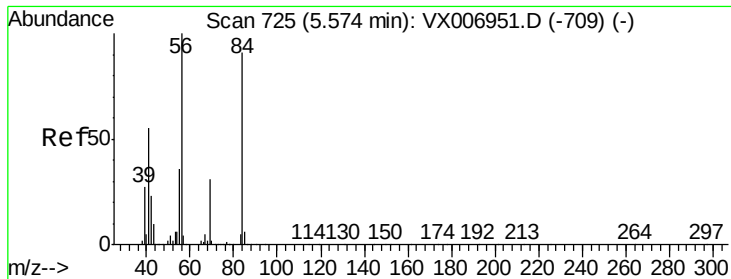
MMDadoda
1/11/2019 11:42:45 AM



#30
Chloroform
Concen: 49.264 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX007002.D
Acq: 10 Jan 2019 20:40

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.0	51.2	76.8





#31

Cyclohexane

Concen: 48.560 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.00 min

Lab File: VX007002.D

Acq: 10 Jan 2019 20:40

Instrument :

MSVOA_X

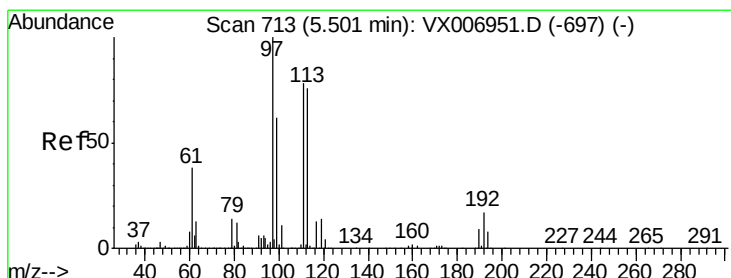
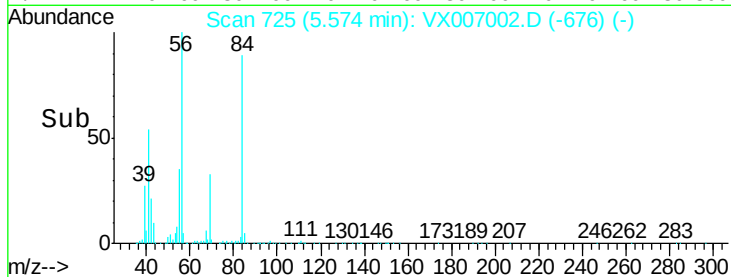
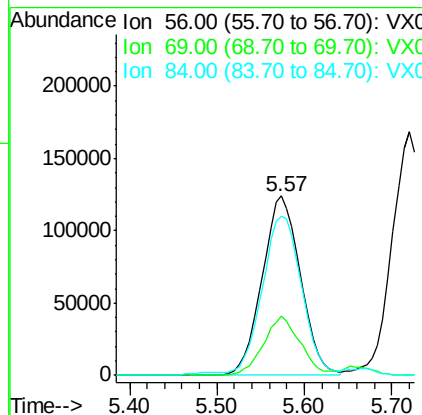
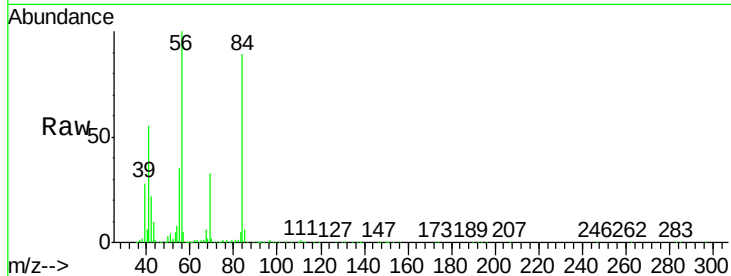
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.8	24.4	36.6
84	88.1	70.0	105.0

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 49.089 ug/l

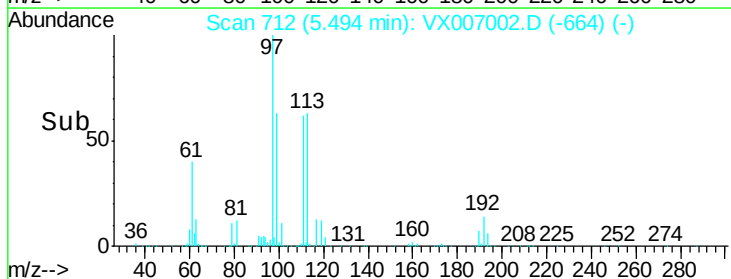
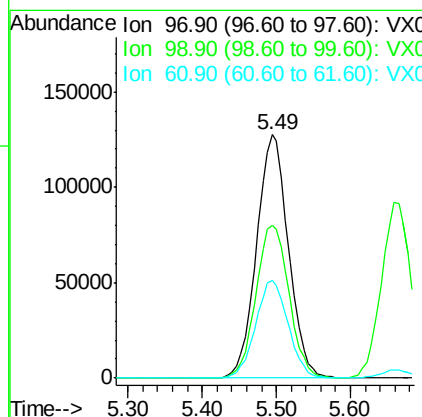
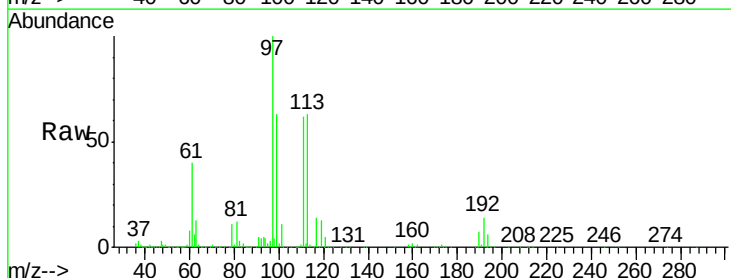
RT: 5.49 min Scan# 712

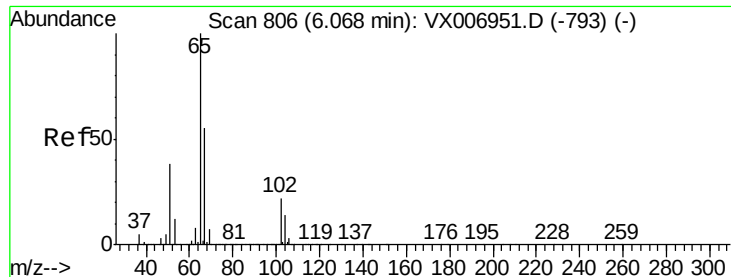
Delta R.T. -0.01 min

Lab File: VX007002.D

Acq: 10 Jan 2019 20:40

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.1	51.7	77.5
61	41.3	31.3	46.9





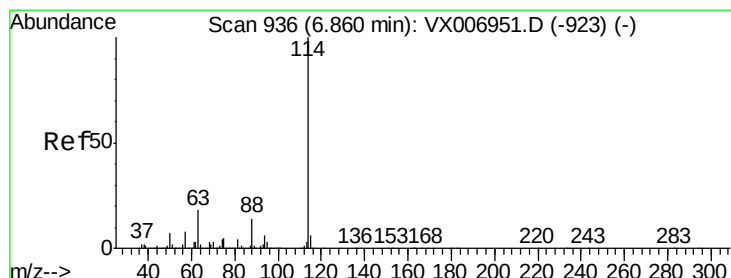
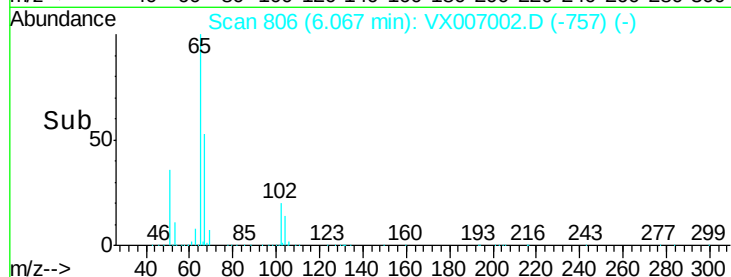
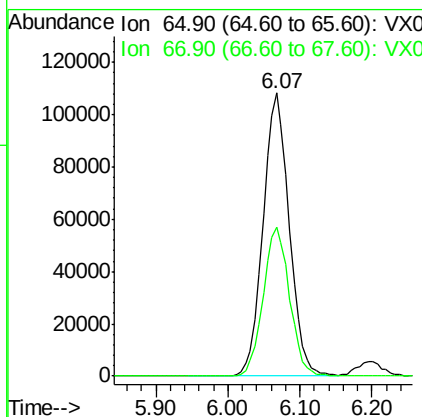
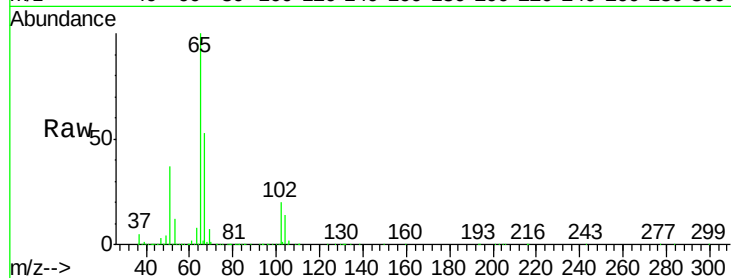
#33
 1,2-Dichloroethane-d4
 Concen: 49.173 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX007002.D
 Acq: 10 Jan 2019 20:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.2	0.0	105.0

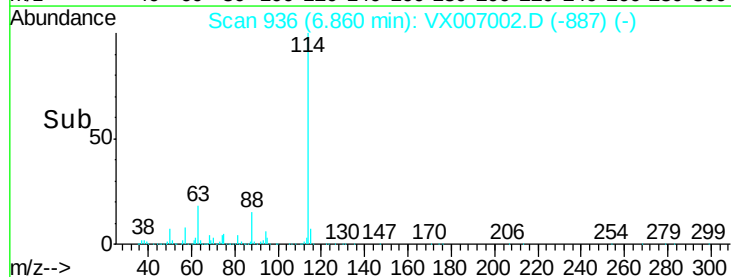
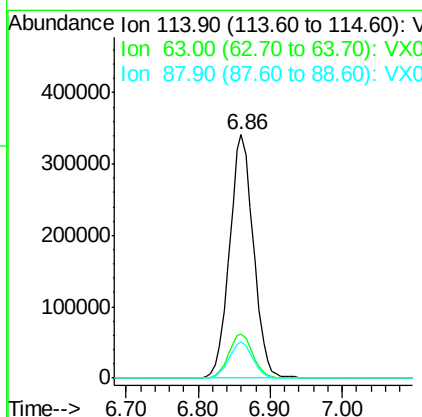
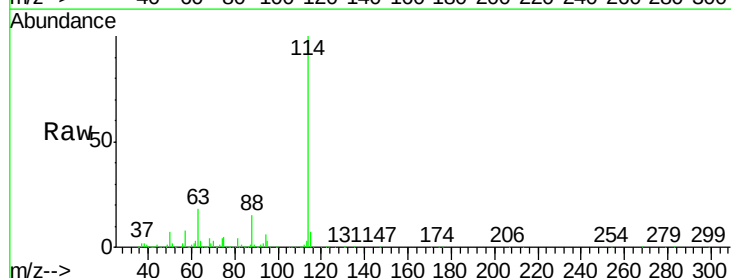
Manual Integrations
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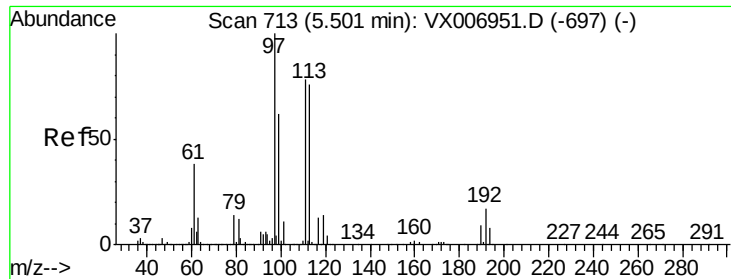
MMDadoda
 1/11/2019 11:42:45 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX007002.D
 Acq: 10 Jan 2019 20:40

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.2	0.0	34.8
88	14.9	0.0	28.8





#35

Dibromofluoromethane

Concen: 48.907 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX007002.D

Acq: 10 Jan 2019 20:40

Instrument :

MSVOA_X

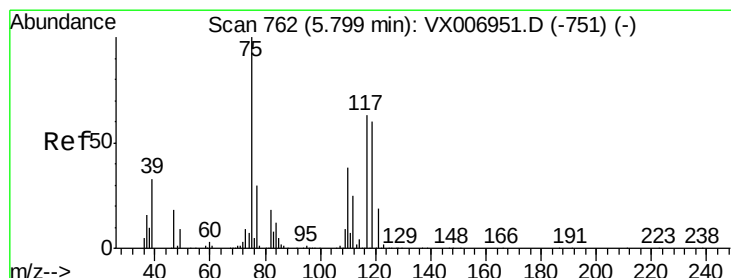
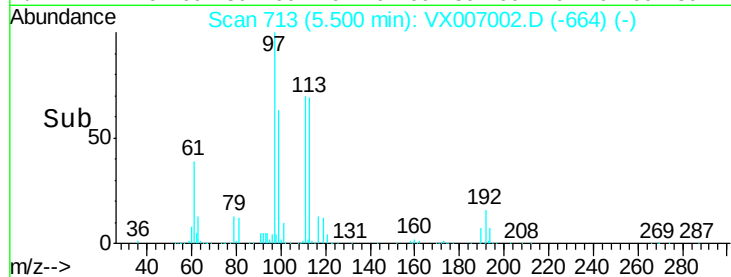
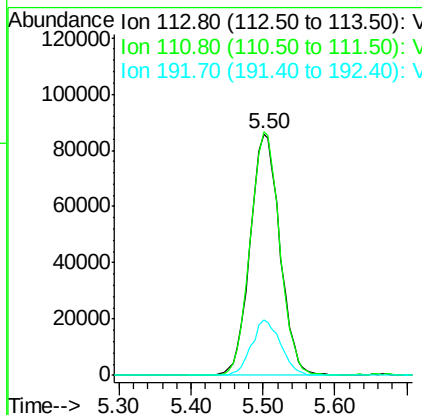
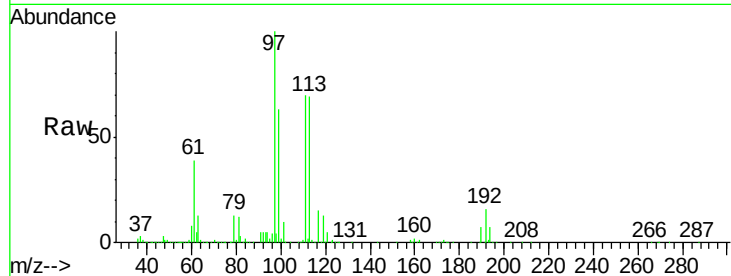
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	246499
Ion Ratio	Lower	Upper	
113	100		
111	99.9	81.6	122.4
192	22.5	16.7	25.1

Manual Integrations
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1/11/2019 11:42:45 AM



#36

1,1-Dichloropropene

Concen: 47.944 ug/l

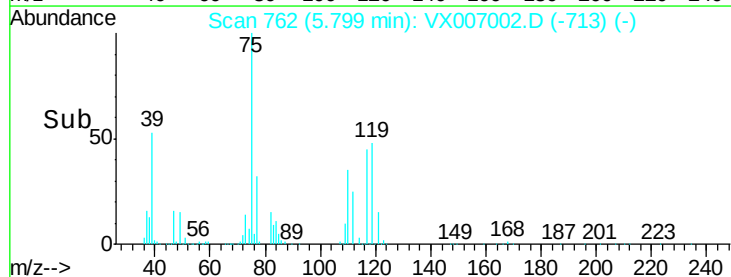
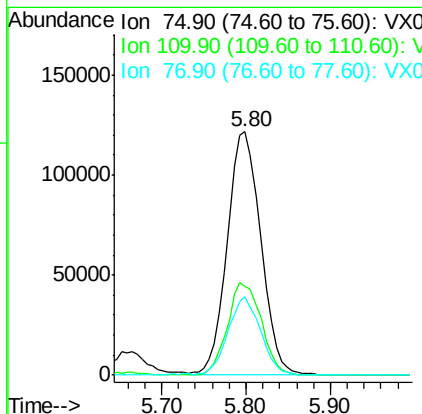
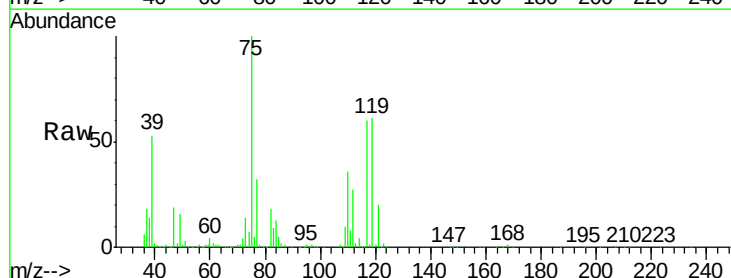
RT: 5.80 min Scan# 762

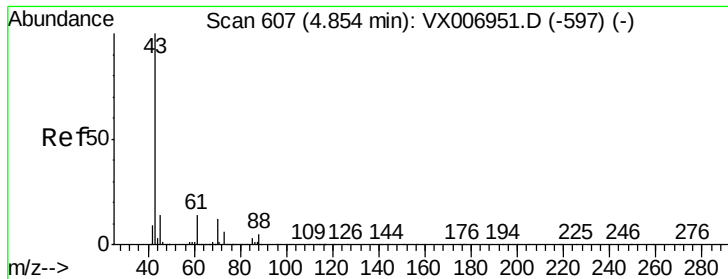
Delta R.T. -0.00 min

Lab File: VX007002.D

Acq: 10 Jan 2019 20:40

Tgt Ion:	75	Resp:	328068
Ion Ratio	Lower	Upper	
75	100		
110	38.6	20.2	60.5
77	31.6	24.8	37.2





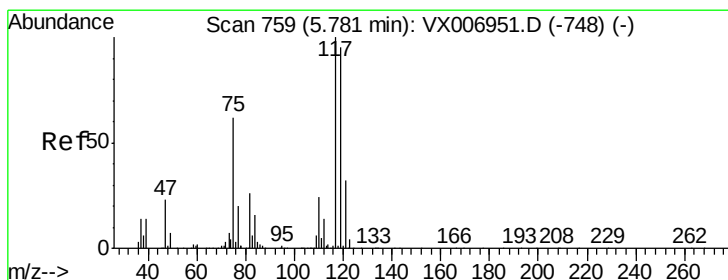
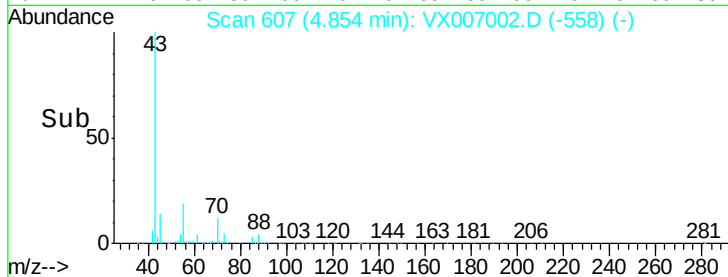
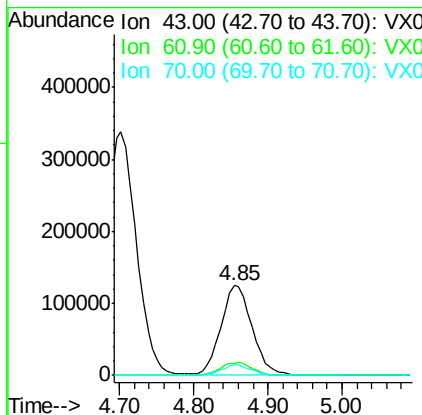
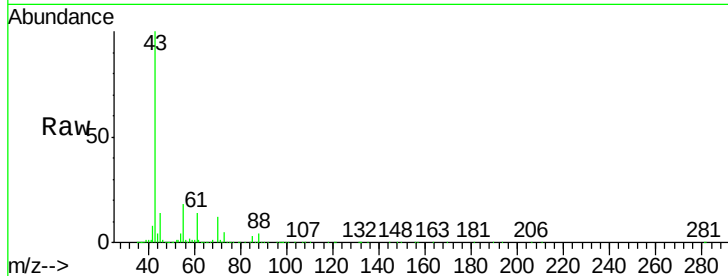
#37
Ethyl Acetate
Concen: 49.456 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.00 min
Lab File: VX007002.D
Acq: 10 Jan 2019 20:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.3	11.9	17.9
70	11.0	9.7	14.5

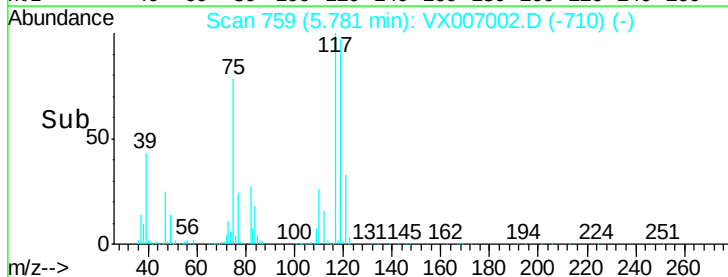
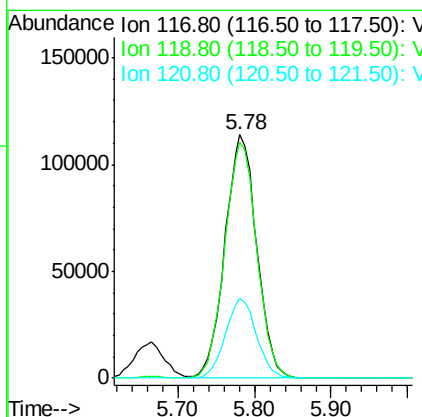
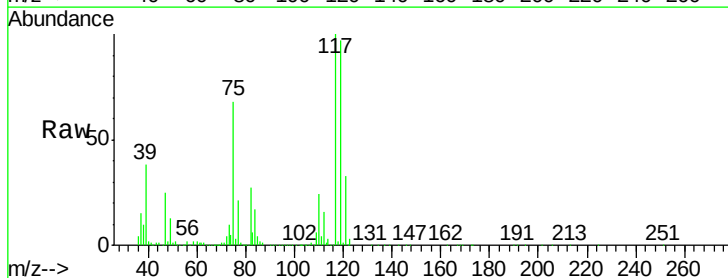
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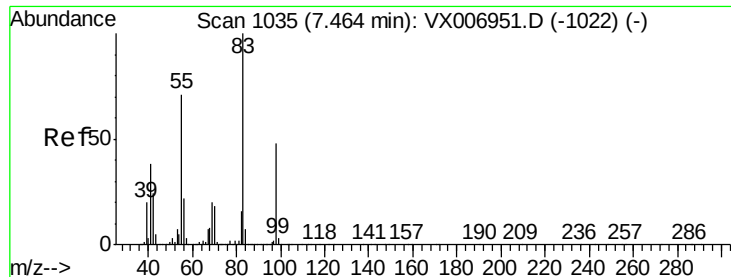
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#38
Carbon Tetrachloride
Concen: 47.540 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX007002.D
Acq: 10 Jan 2019 20:40

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.9	79.4	119.2
121	32.6	24.0	36.0





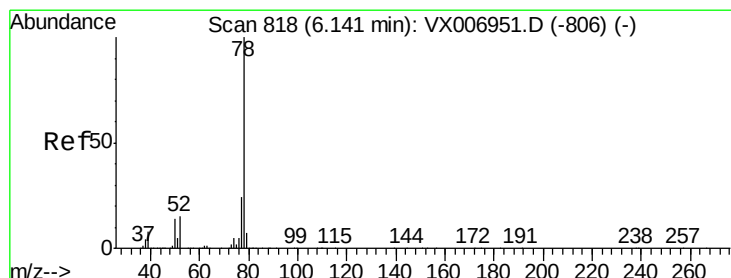
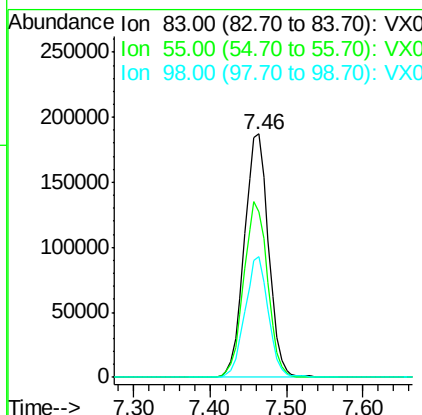
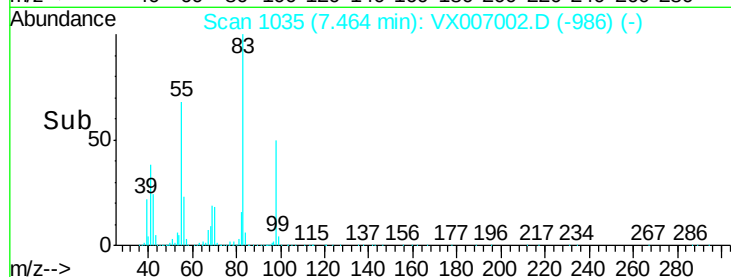
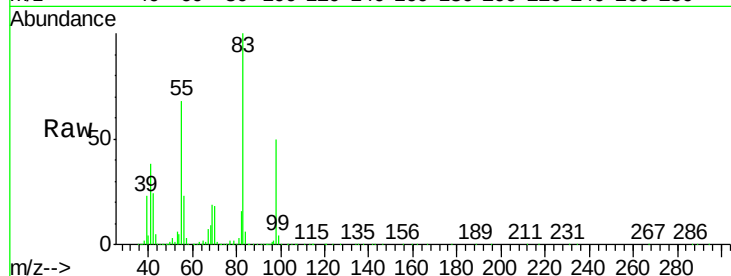
#39
Methylvlcyclohexane
Concen: 47.184 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX007002.D
Acq: 10 Jan 2019 20:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	67.9	54.9	82.3
98	49.8	37.9	56.9

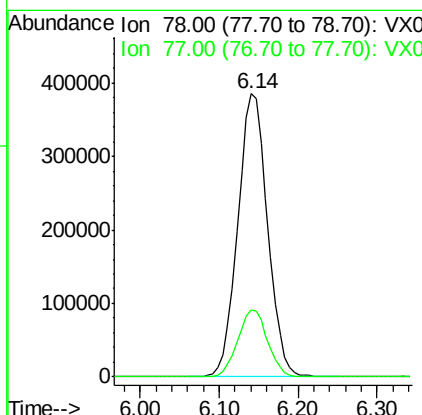
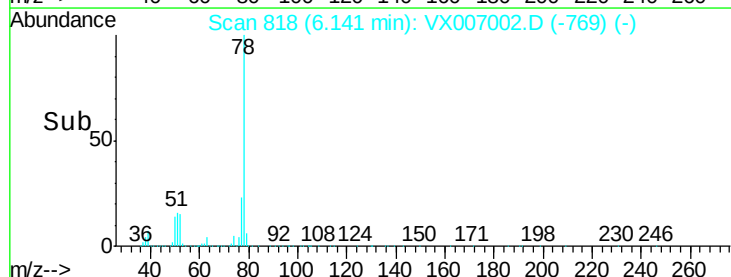
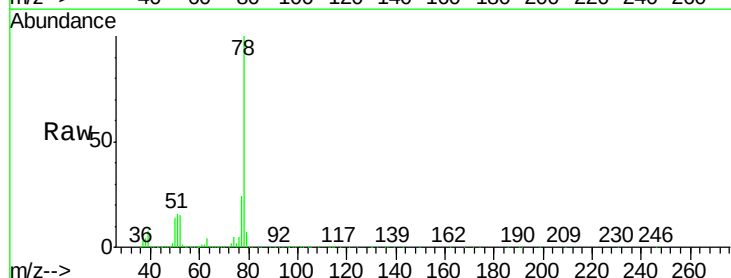
Manual Integrations
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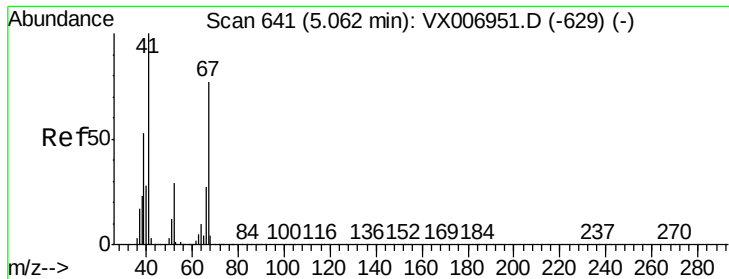
MMDadoda
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#40
Benzene
Concen: 48.487 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX007002.D
Acq: 10 Jan 2019 20:40

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.2	28.8





#41

Methacrylonitrile

Concen: 47.793 ug/l

RT: 5.06 min Scan# 640

Delta R.T. -0.01 min

Lab File: VX007002.D

Acq: 10 Jan 2019 20:40

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050EC

Tot Ion: 41 Resp: 201979

Ion Ratio Lower Upper

41 100

39 53.5 42.8 64.2

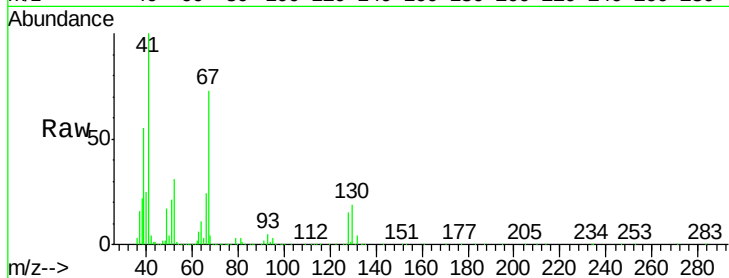
67 76.0 62.1 93.1

52 29.5 23.4 35.0

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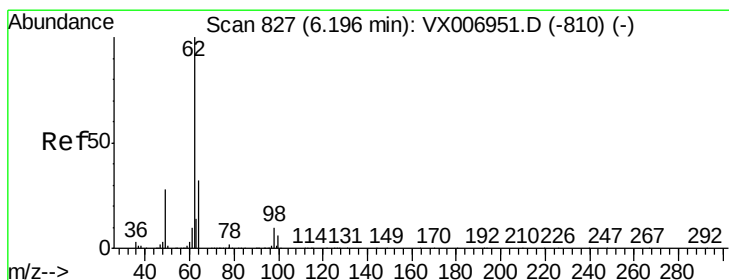
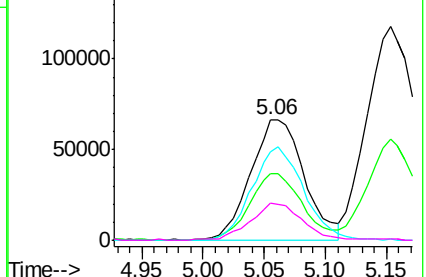
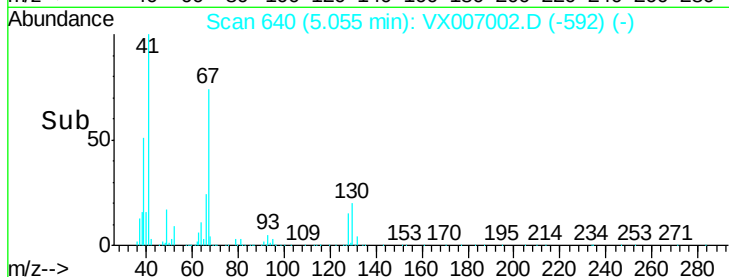


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 47.290 ug/l

RT: 6.20 min Scan# 827

Delta R.T. -0.00 min

Lab File: VX007002.D

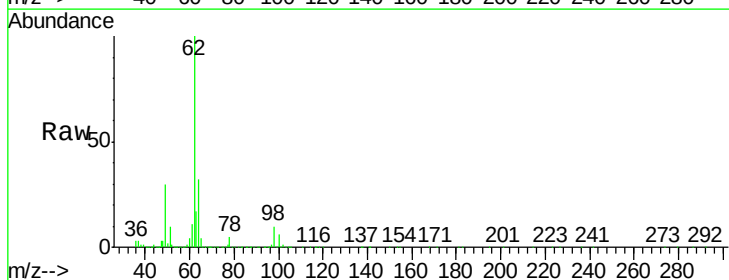
Acq: 10 Jan 2019 20:40

Tgt Ion: 62 Resp: 341198

Ion Ratio Lower Upper

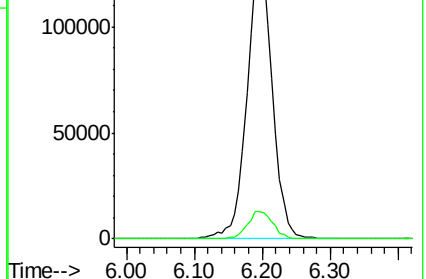
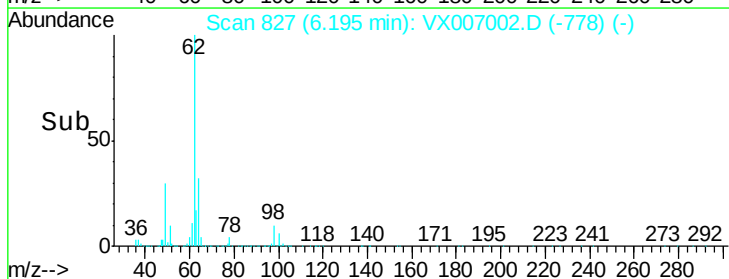
62 100

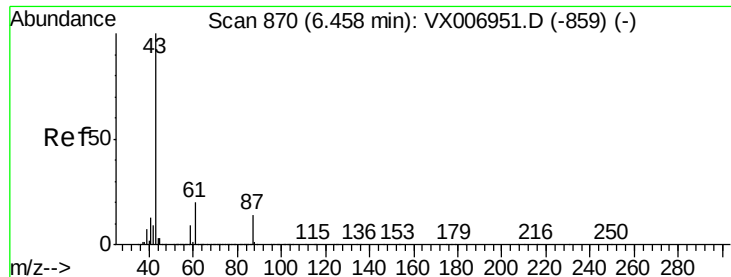
98 10.1 0.0 20.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 49.870 ug/l

RT: 6.46 min Scan# 870

Delta R.T. -0.00 min

Lab File: VX007002.D

Acq: 10 Jan 2019 20:40

Instrument :

MSVOA_X

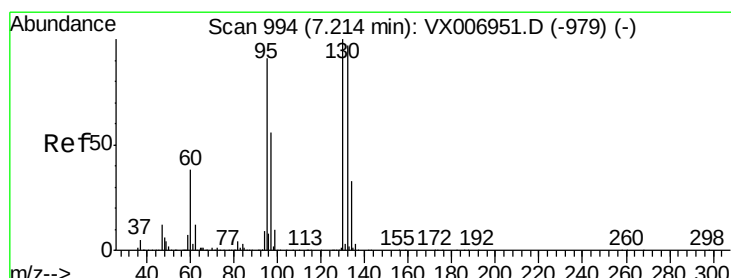
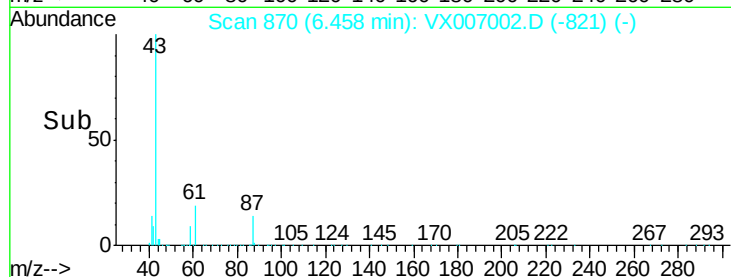
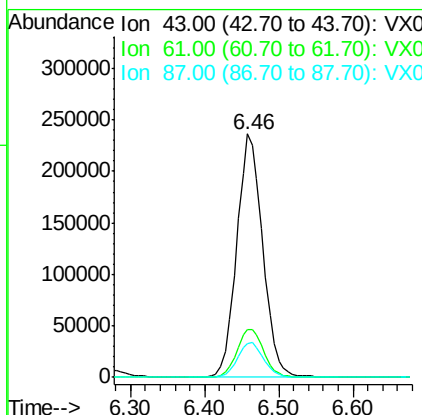
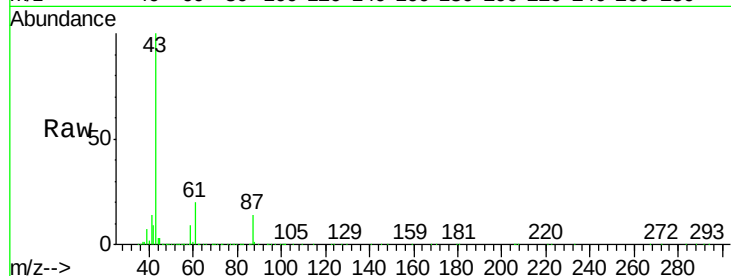
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	577074
Ion	Ratio	Lower	Upper
43	100		
61	20.4	16.8	25.2
87	14.6	12.4	18.6

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#44

Trichloroethene

Concen: 47.518 ug/l

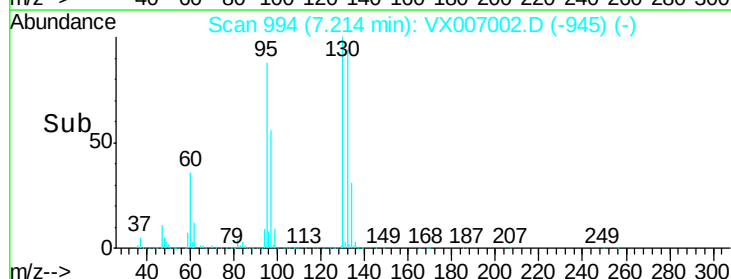
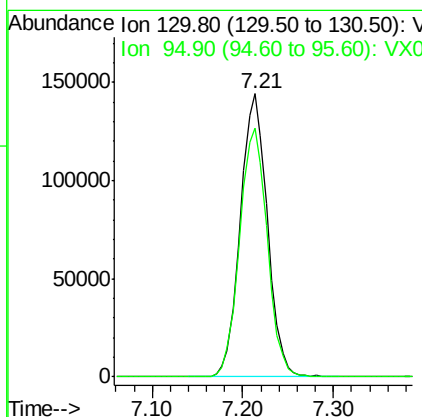
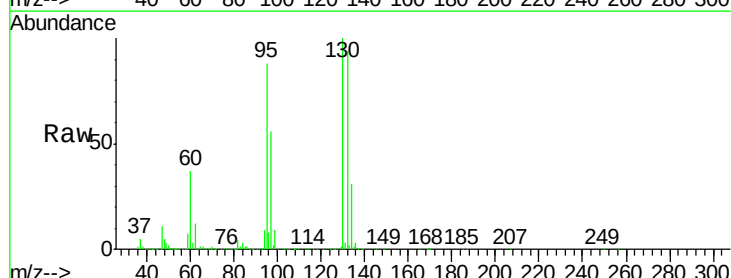
RT: 7.21 min Scan# 994

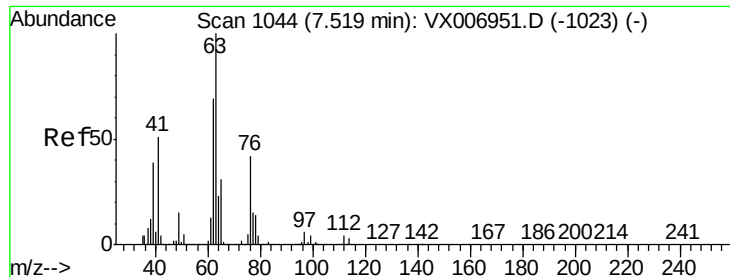
Delta R.T. -0.00 min

Lab File: VX007002.D

Acq: 10 Jan 2019 20:40

Tgt Ion:	130	Resp:	297303
Ion	Ratio	Lower	Upper
130	100		
95	87.9	0.0	187.0





#45

1,2-Dichloropropane

Concen: 48.834 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VX007002.D

Acq: 10 Jan 2019 20:40

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050EC

Tot Ion: 63 Resp: 256336

Ion Ratio Lower Upper

63 100

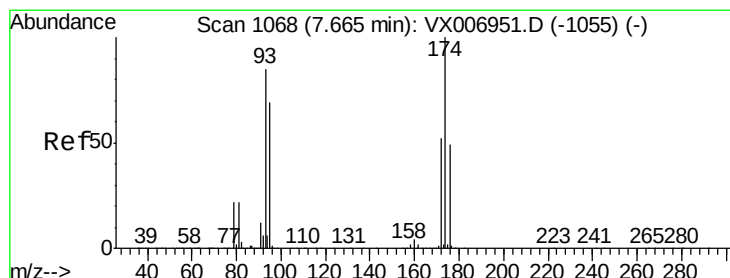
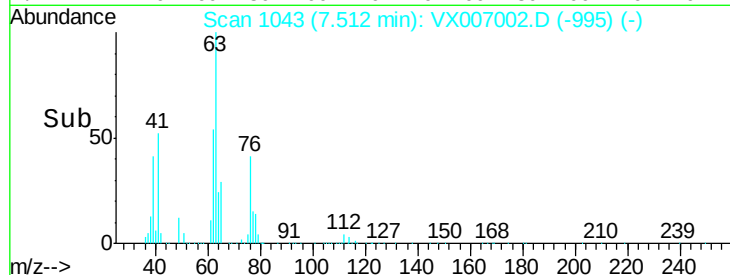
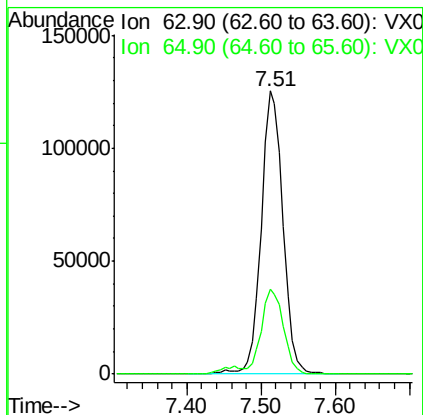
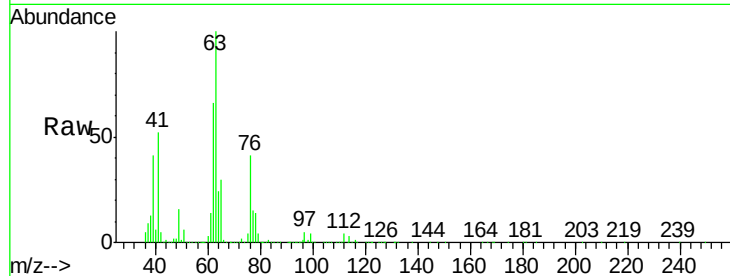
65 29.9 25.4 38.0

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#46

Dibromomethane

Concen: 49.954 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.01 min

Lab File: VX007002.D

Acq: 10 Jan 2019 20:40

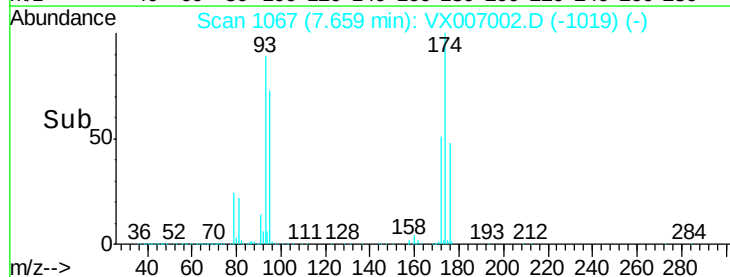
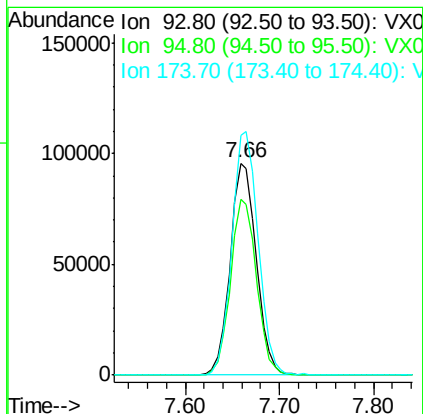
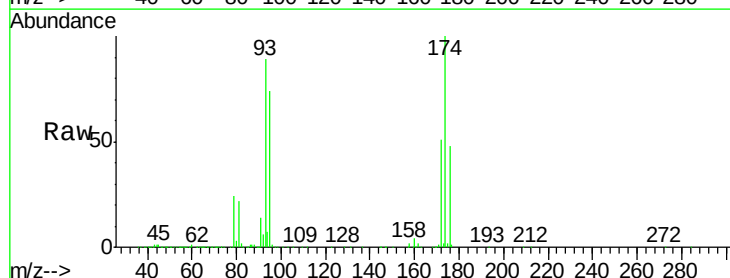
Tgt Ion: 93 Resp: 184283

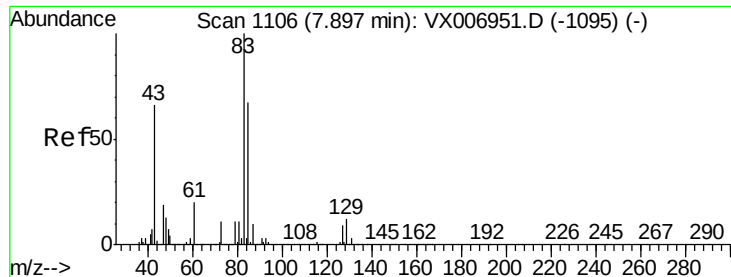
Ion Ratio Lower Upper

93 100

95 82.5 66.2 99.4

174 115.2 91.0 136.4





#47

Bromodichloromethane

Concen: 50.438 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX007002.D

Acq: 10 Jan 2019 20:40

Instrument :

MSVOA_X

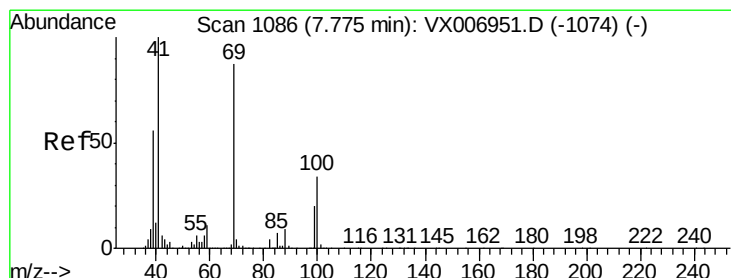
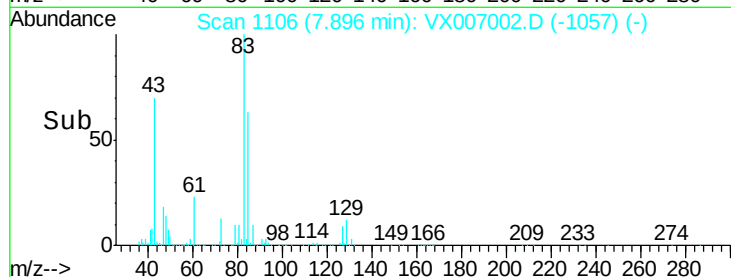
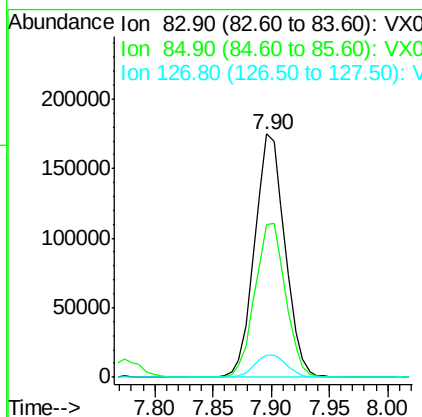
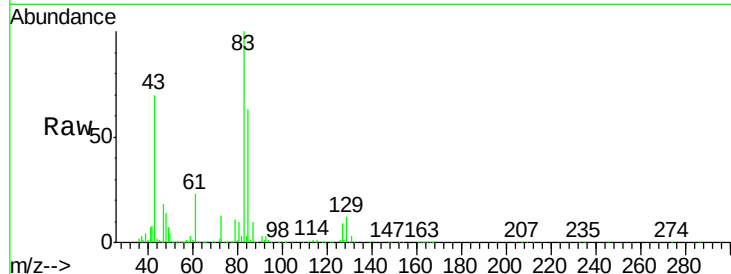
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	316721
Ion Ratio	Lower	Upper	
83	100		
85	62.5	53.2	79.8
127	9.1	7.8	11.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 50.515 ug/l

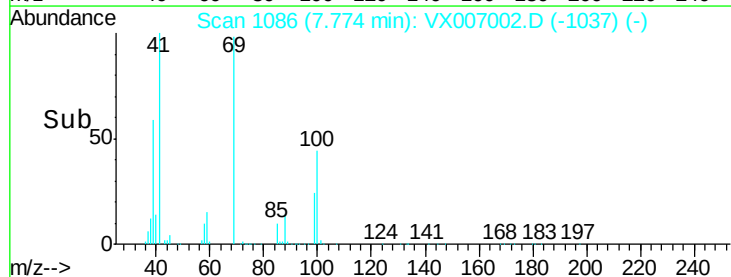
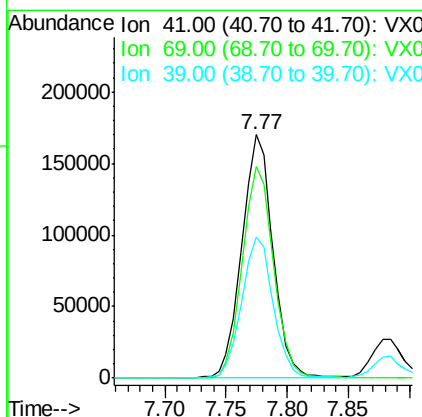
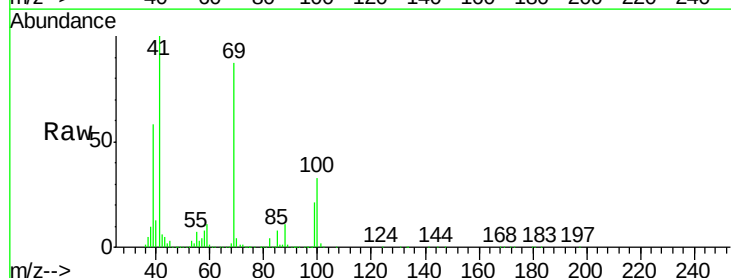
RT: 7.77 min Scan# 1086

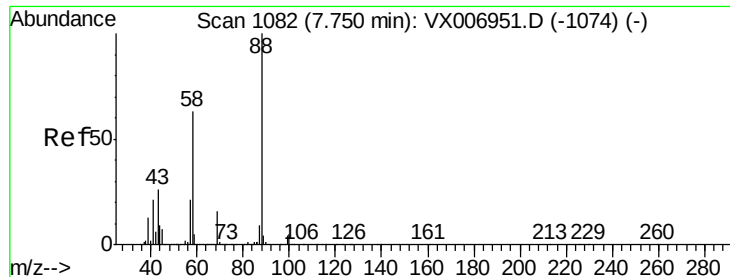
Delta R.T. -0.00 min

Lab File: VX007002.D

Acq: 10 Jan 2019 20:40

Tgt Ion:	41	Resp:	300186
Ion Ratio	Lower	Upper	
41	100		
69	88.1	72.4	108.6
39	58.4	45.8	68.8





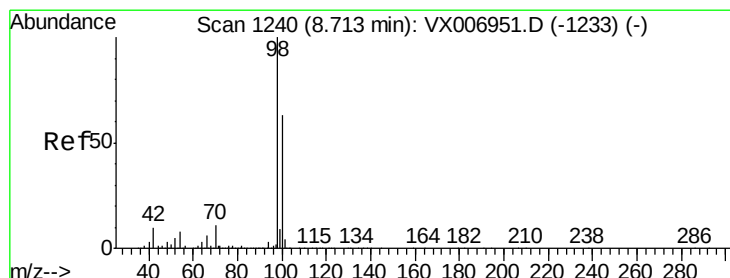
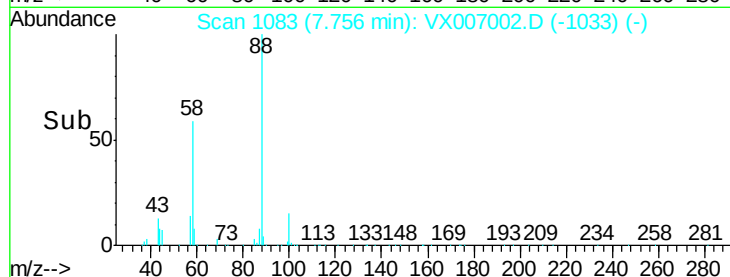
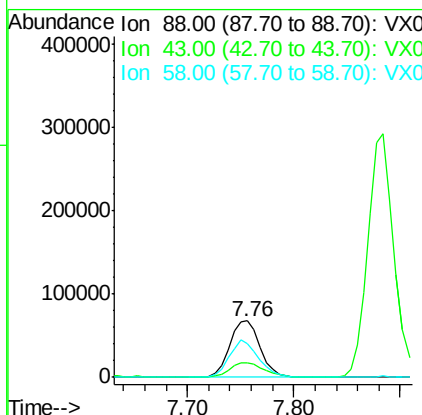
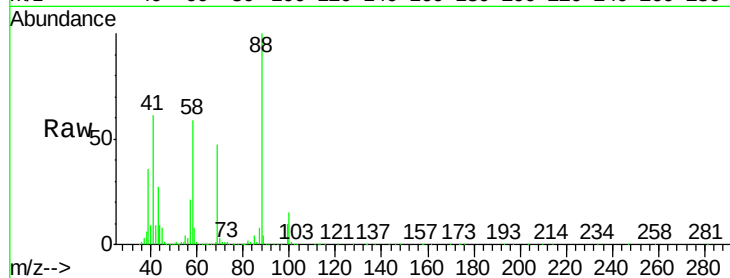
#49
1,4-Dioxane
Concen: 1007.014 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. 0.01 min
Lab File: VX007002.D
Acq: 10 Jan 2019 20:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.4	22.2	33.4
58	63.3	51.0	76.4

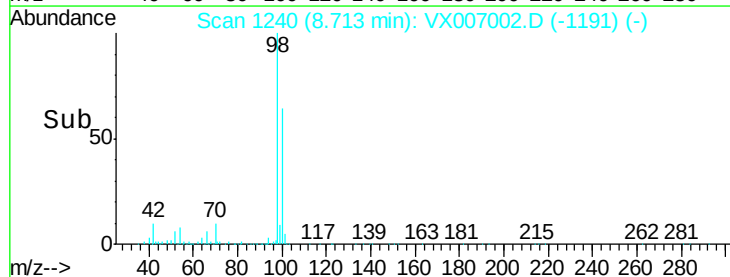
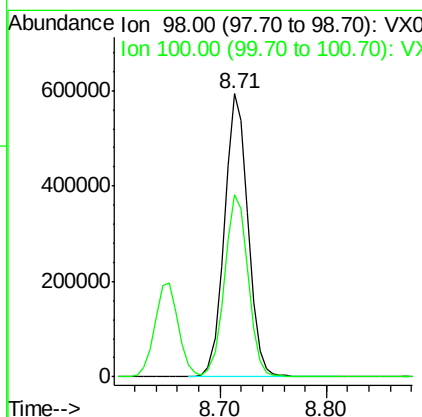
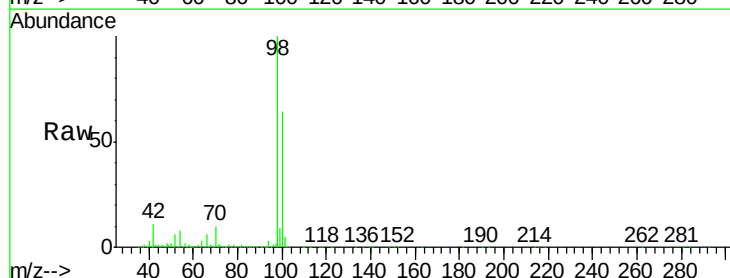
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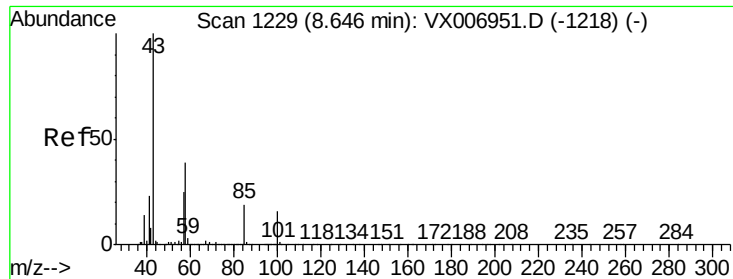
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#50
Toluene-d8
Concen: 49.565 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX007002.D
Acq: 10 Jan 2019 20:40

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.0	78.0





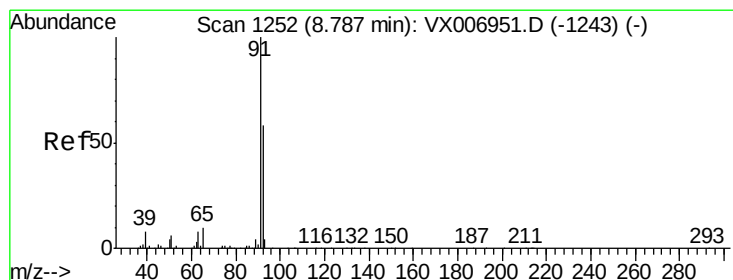
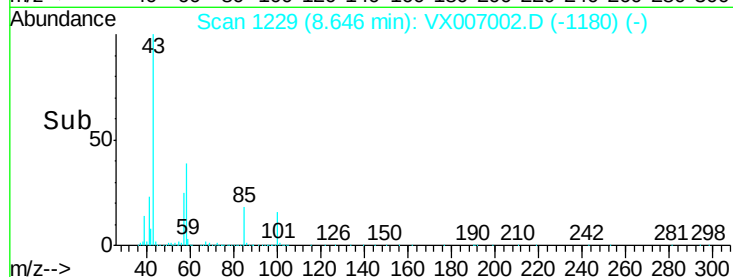
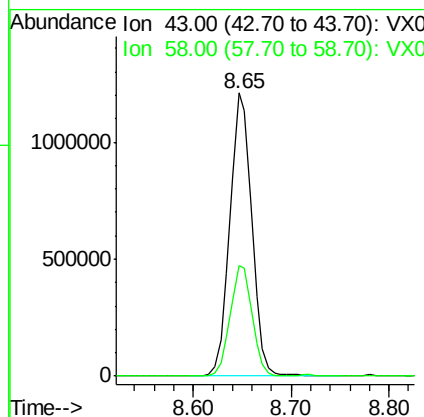
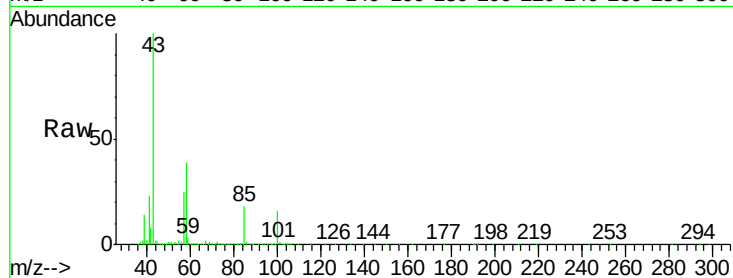
#51
 4-Methyl-2-Pentanone
 Concen: 252.992 ug/l
 RT: 8.65 min Scan# 1229
 Delta R.T. -0.00 min
 Lab File: VX007002.D
 Acq: 10 Jan 2019 20:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 1881397
 Ion Ratio Lower Upper
 43 100
 58 39.3 31.8 47.6

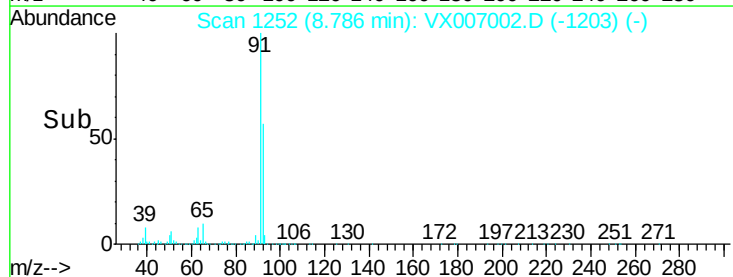
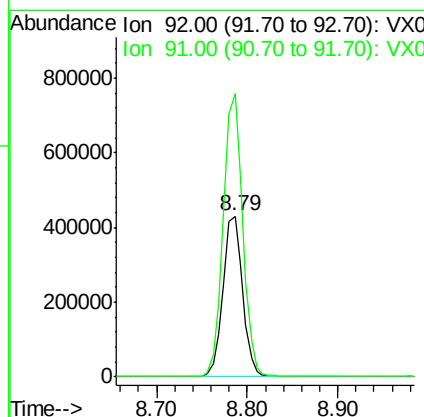
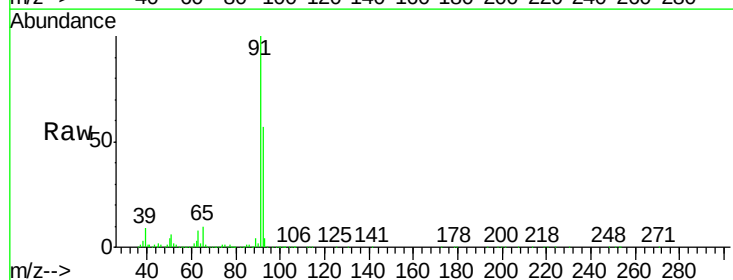
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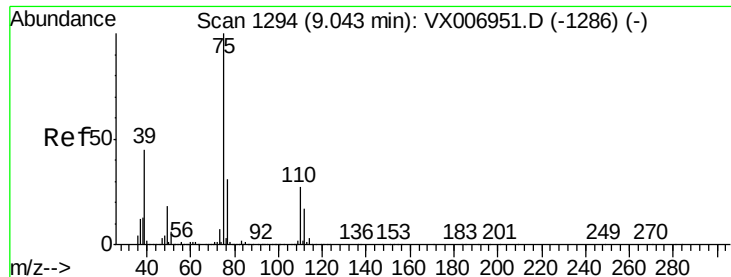
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#52
 Toluene
 Concen: 48.578 ug/l
 RT: 8.79 min Scan# 1252
 Delta R.T. -0.00 min
 Lab File: VX007002.D
 Acq: 10 Jan 2019 20:40

Tgt Ion: 92 Resp: 651911
 Ion Ratio Lower Upper
 92 100
 91 175.7 137.6 206.4





#53

t-1,3-Dichloropropene

Concen: 49.440 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX007002.D

Acq: 10 Jan 2019 20:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 344252

Ion Ratio Lower Upper

75 100

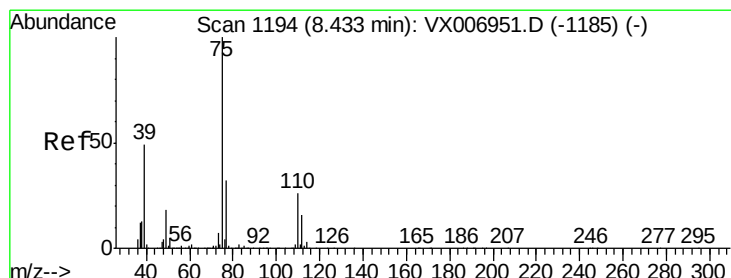
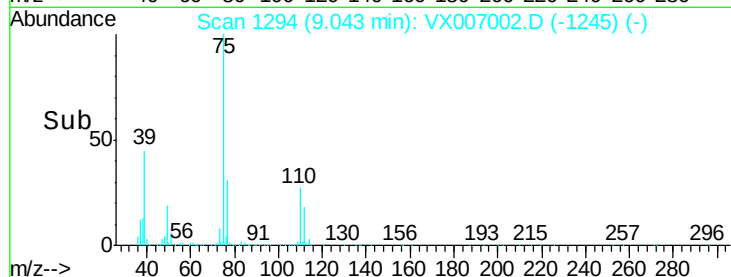
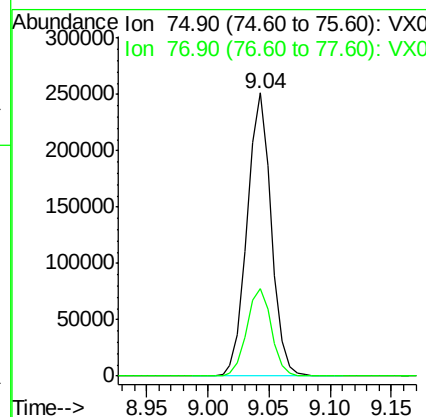
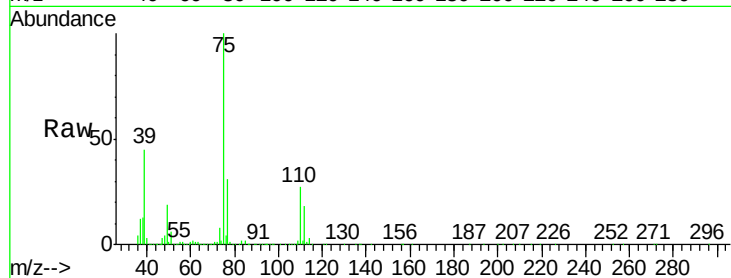
77 30.7 25.4 38.0

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 50.629 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX007002.D

Acq: 10 Jan 2019 20:40

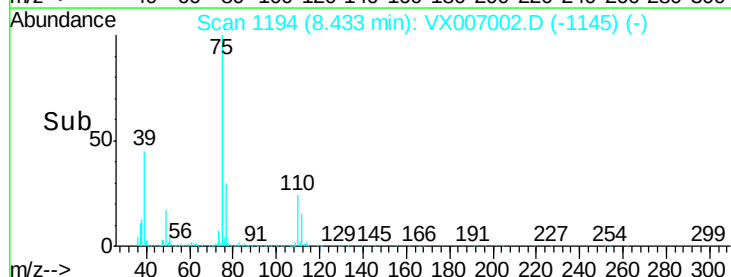
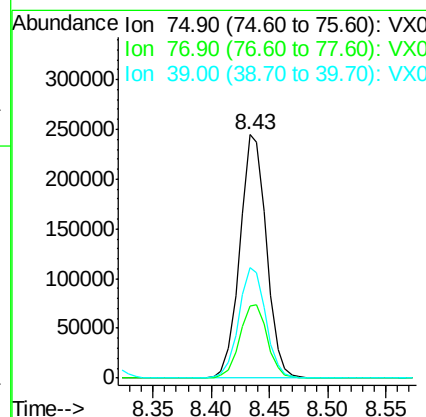
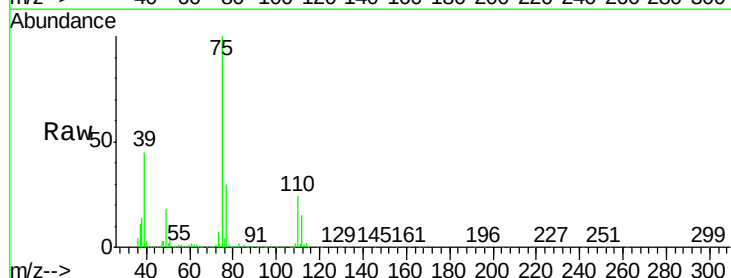
Tgt Ion: 75 Resp: 389316

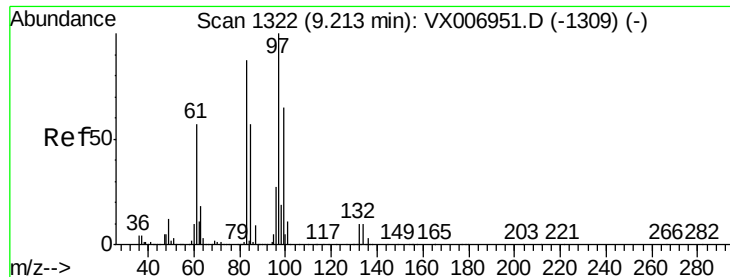
Ion Ratio Lower Upper

75 100

77 29.8 26.2 39.2

39 45.1 36.7 55.1





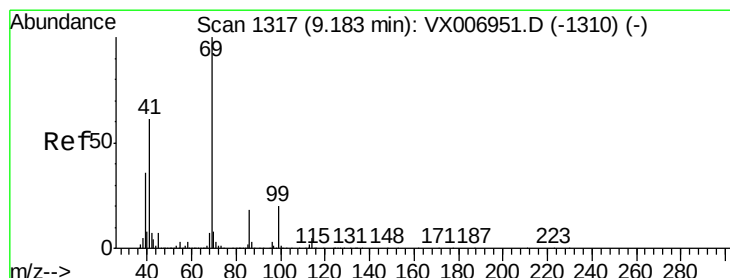
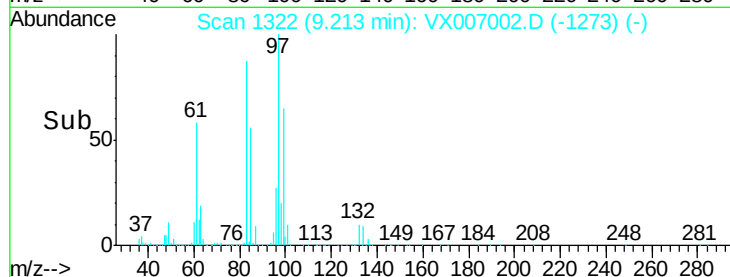
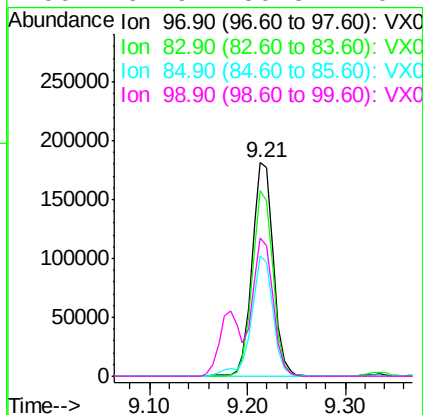
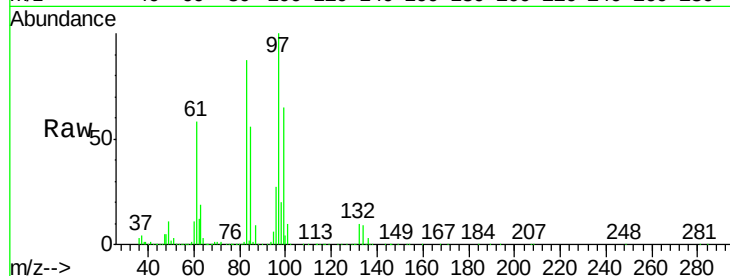
#55
 1,1,2-Trichloroethane
 Concen: 50.583 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX007002.D
 Acq: 10 Jan 2019 20:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		271703		
83	87.1	66.6	99.8		
85	56.3	42.7	64.1		
99	64.9	50.8	76.2		

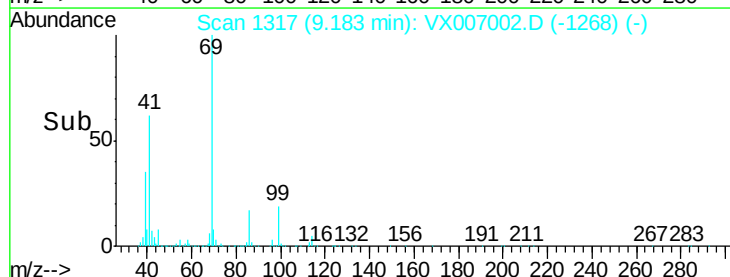
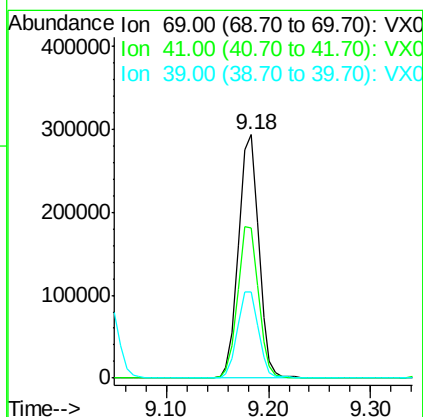
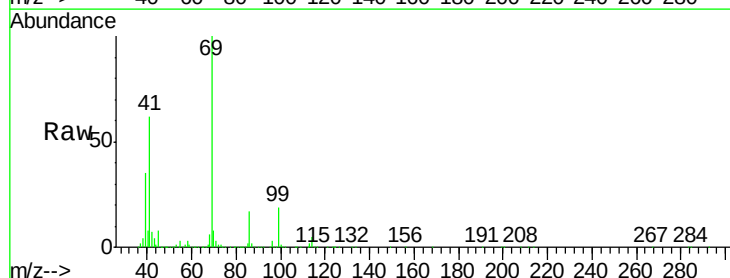
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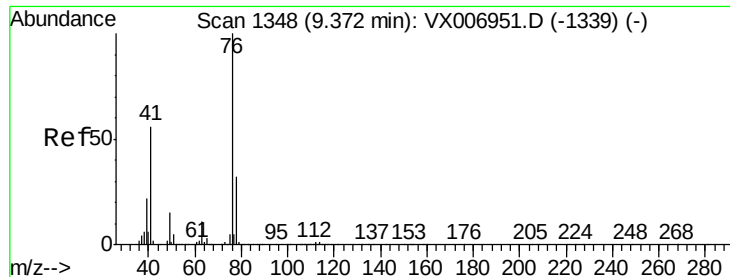
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#56
 Ethyl methacrylate
 Concen: 51.094 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX007002.D
 Acq: 10 Jan 2019 20:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		400663		
41	63.3	48.7	73.1		
39	36.9	27.0	40.6		





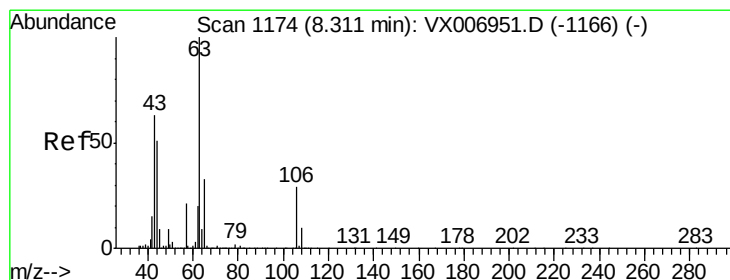
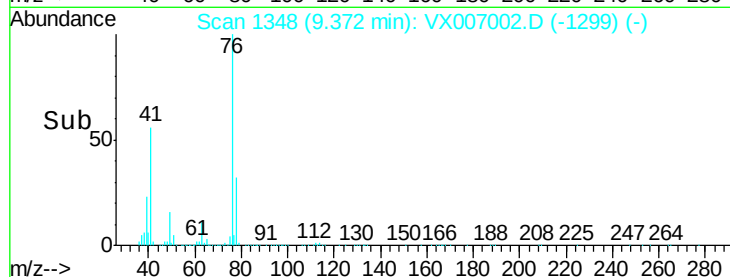
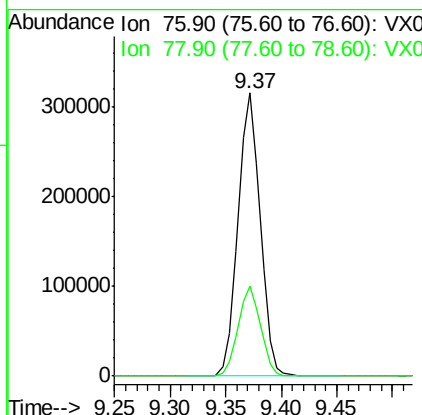
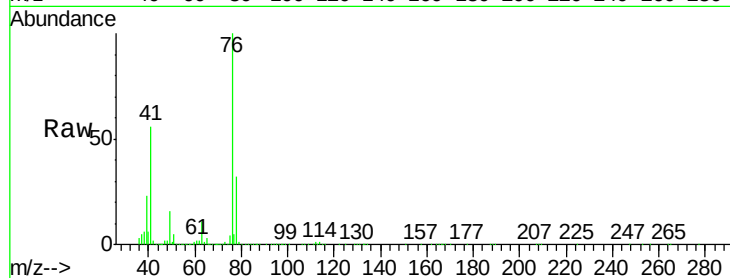
#57
 1,3-Dichloropropane
 Concen: 49.548 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX007002.D
 Acq: 10 Jan 2019 20:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 436018
 Ion Ratio Lower Upper
 76 100
 78 32.3 26.0 39.0

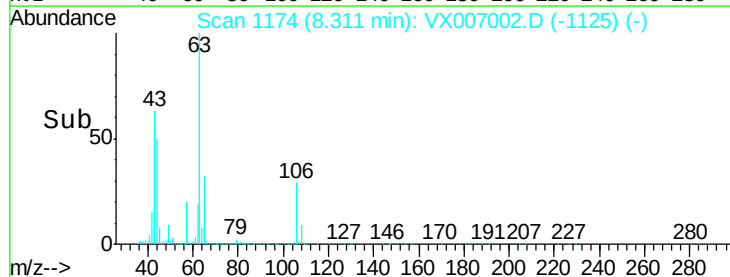
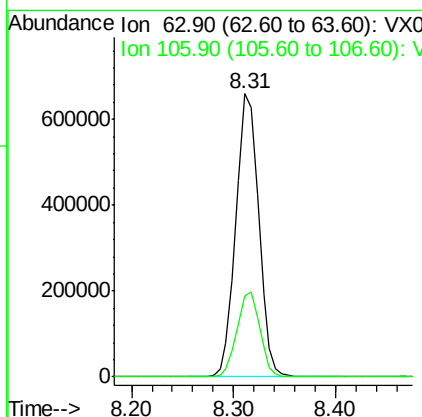
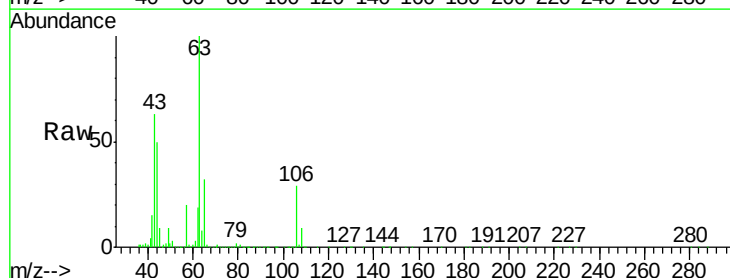
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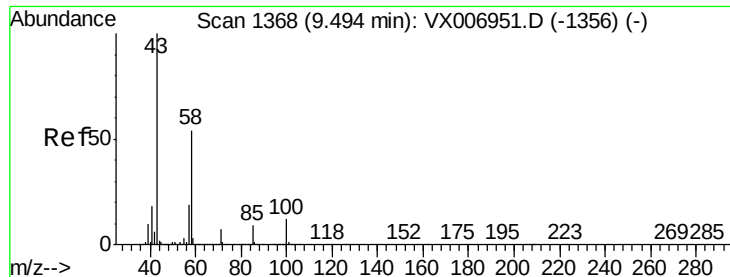
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#58
 2-Chloroethyl Vinyl ether
 Concen: 252.924 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: VX007002.D
 Acq: 10 Jan 2019 20:40

Tgt Ion: 63 Resp: 1019743
 Ion Ratio Lower Upper
 63 100
 106 30.1 24.6 36.8





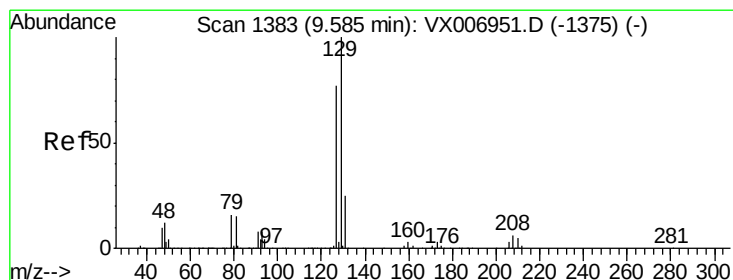
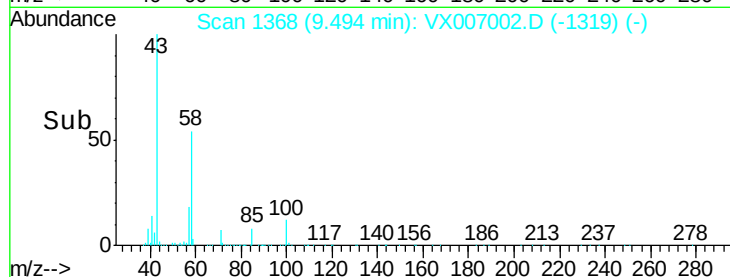
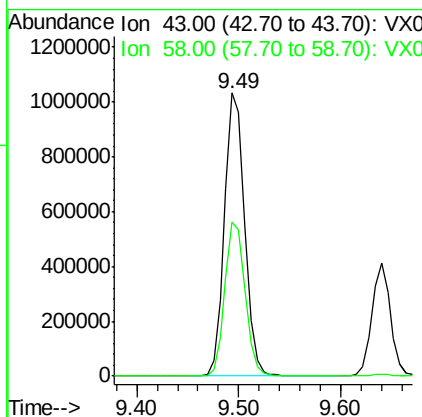
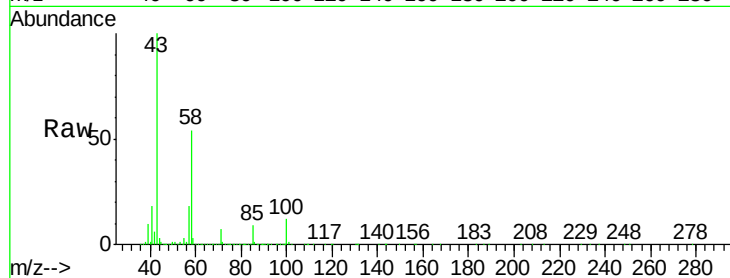
#59
2-Hexanone
Concen: 250.515 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VX007002.D
Acq: 10 Jan 2019 20:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1419697
Ion Ratio Lower Upper
43 100
58 54.8 27.7 83.1

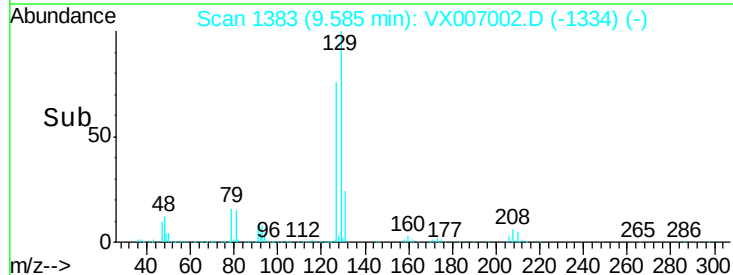
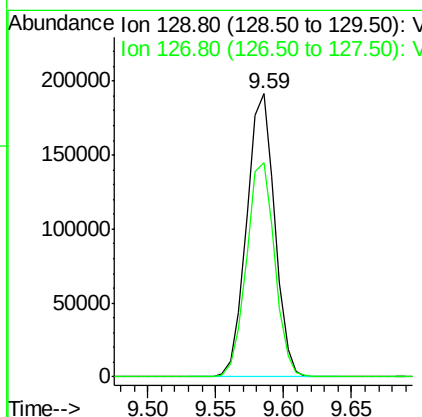
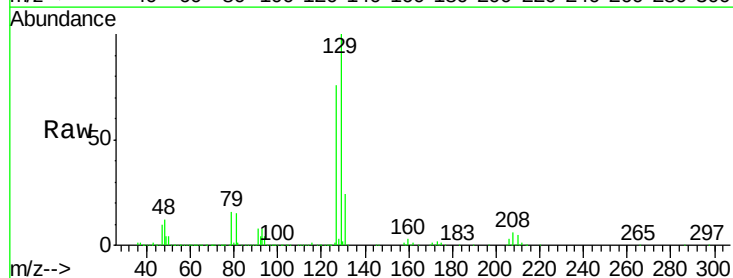
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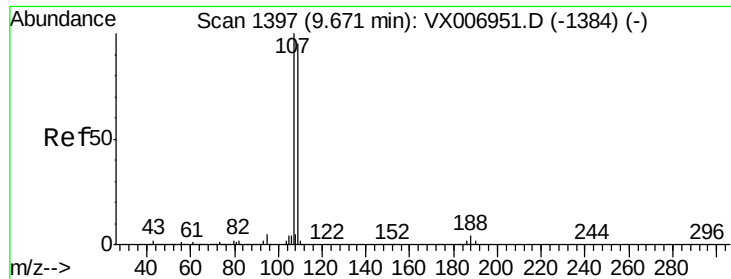
MMDadoda
1/11/2019 11:42:45 AM



#60
Dibromochloromethane
Concen: 53.136 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX007002.D
Acq: 10 Jan 2019 20:40

Tgt Ion: 129 Resp: 277151
Ion Ratio Lower Upper
129 100
127 76.5 39.3 117.8





#61

1,2-Dibromoethane

Concen: 49.814 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX007002.D

Acq: 10 Jan 2019 20:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 294569

Ion Ratio Lower Upper

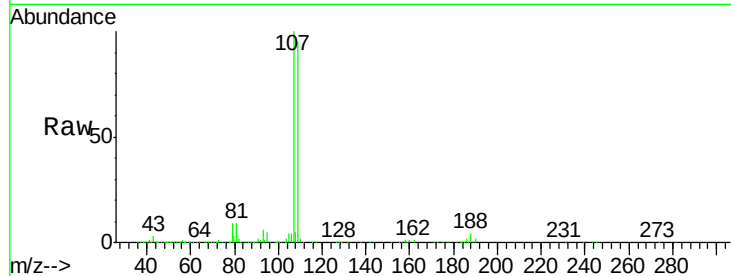
107 100

109 95.9 75.8 113.6

Manual Integrations
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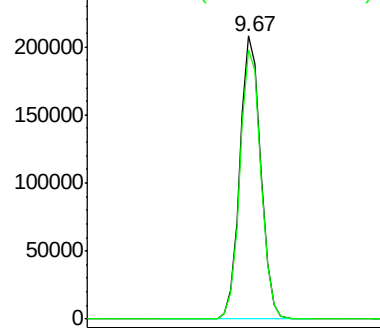
MMDadoda

1/11/2019 11:42:45 AM

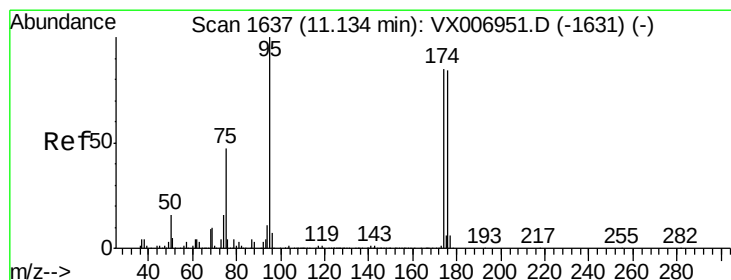
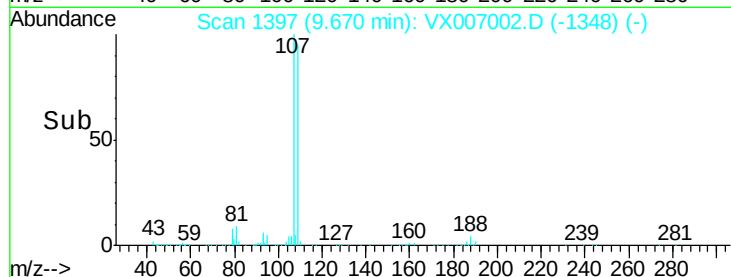


Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



Time-->



#62

4-Bromofluorobenzene

Concen: 49.816 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007002.D

Acq: 10 Jan 2019 20:40

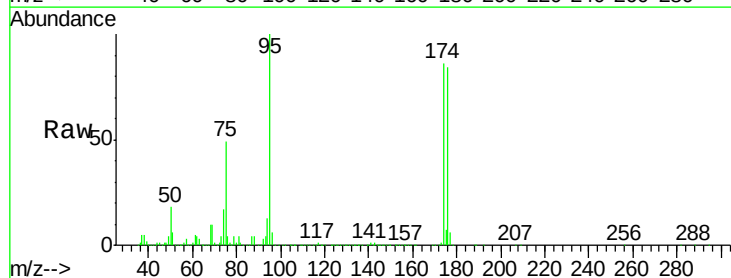
Tgt Ion: 95 Resp: 320398

Ion Ratio Lower Upper

95 100

174 93.6 0.0 182.2

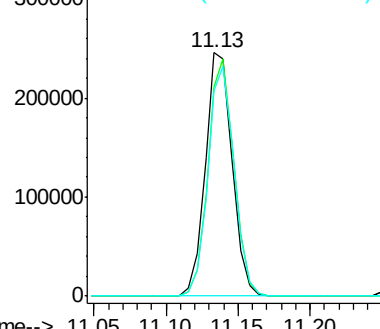
176 91.9 0.0 178.8



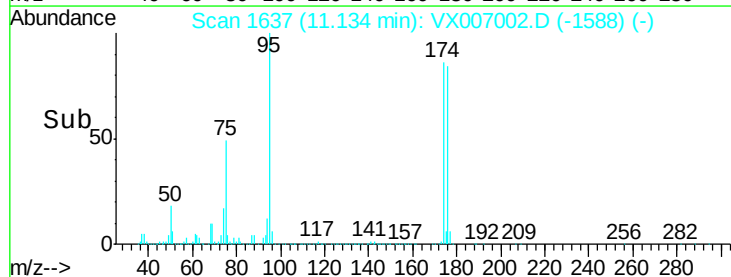
Abundance Ion 94.90 (94.60 to 95.60): VX0

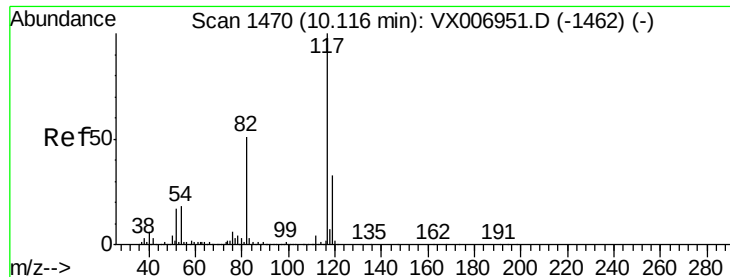
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->





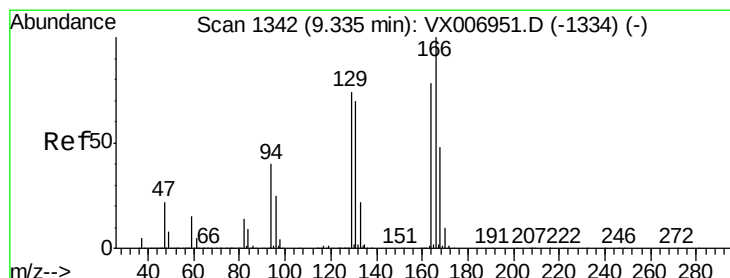
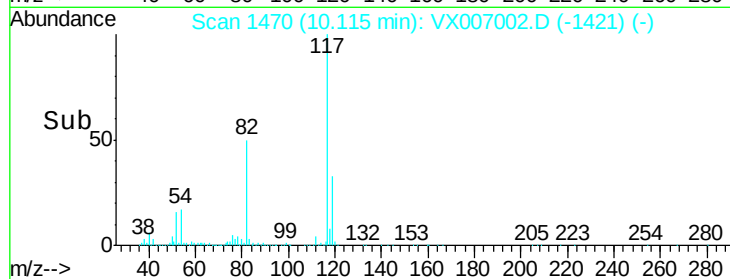
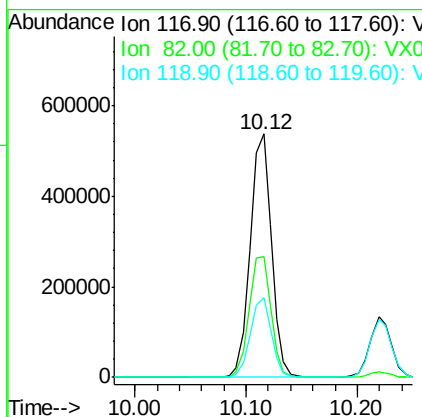
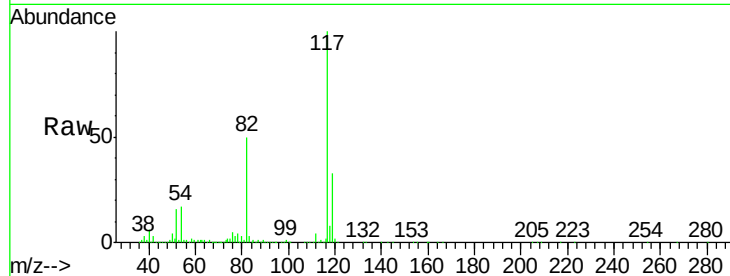
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX007002.D
Acq: 10 Jan 2019 20:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	49.8	41.0	61.6
119	32.7	25.4	38.0

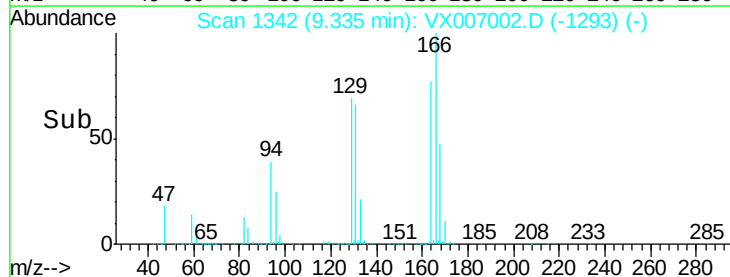
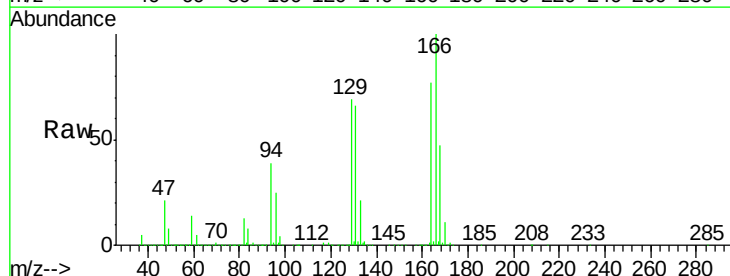
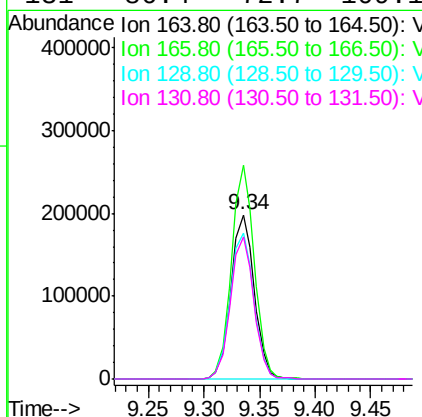
Manual Integrations
APPROVED

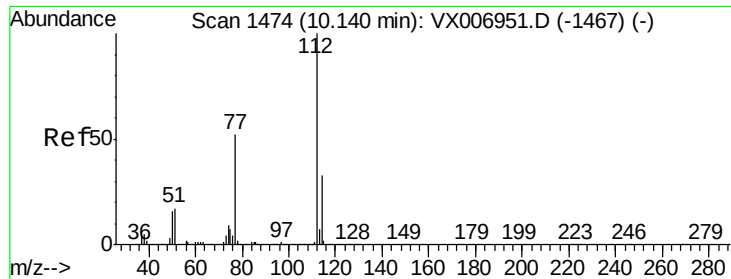
MMDadoda
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#64
Tetrachloroethene
Concen: 46.480 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX007002.D
Acq: 10 Jan 2019 20:40

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.1	102.5	153.7
129	89.1	75.1	112.7
131	86.4	72.7	109.1





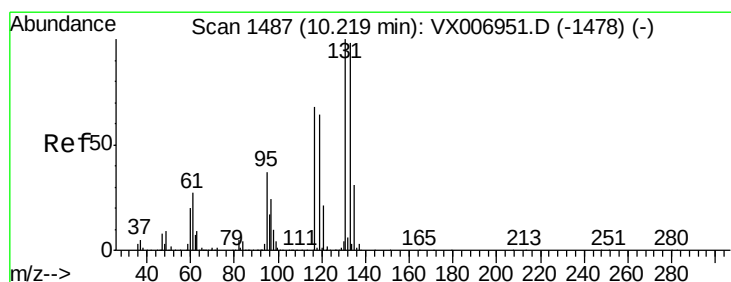
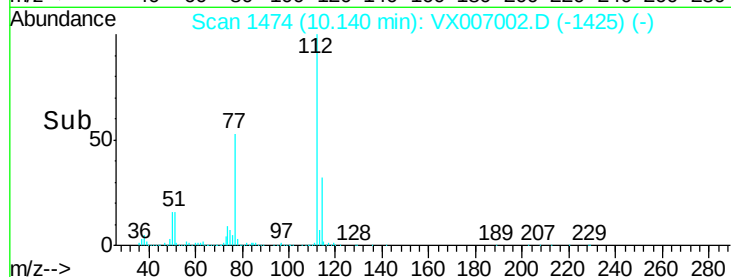
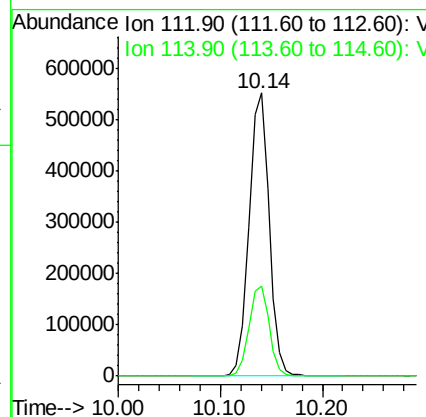
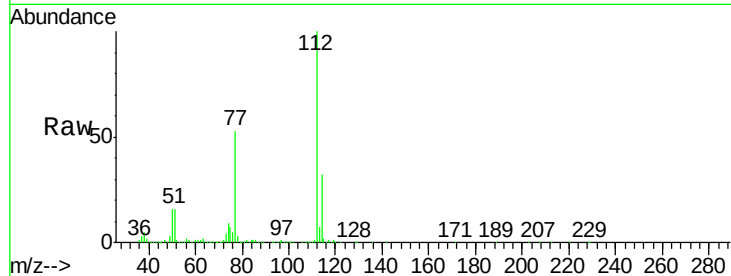
#65
Chlorobenzene
Concen: 48.393 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX007002.D
Acq: 10 Jan 2019 20:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 754707
Ion Ratio Lower Upper
112 100
114 31.8 25.7 38.5

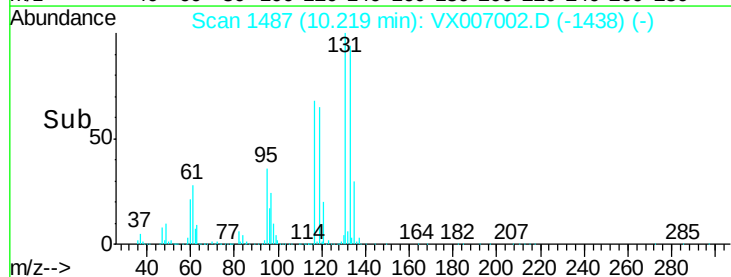
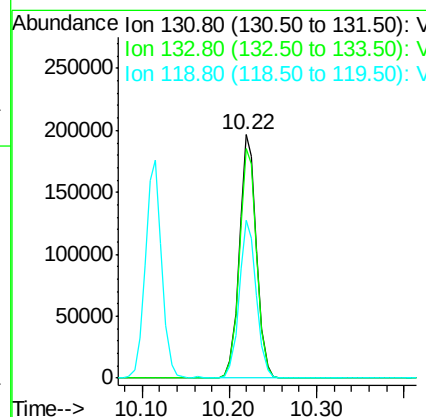
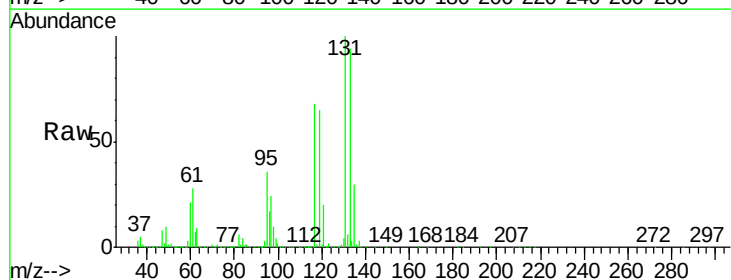
Manual Integrations
APPROVED

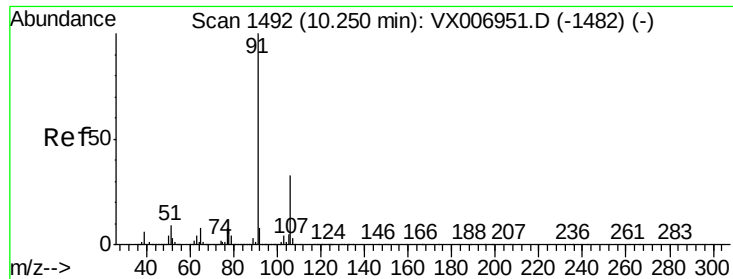
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.080 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX007002.D
Acq: 10 Jan 2019 20:40

Tgt Ion:131 Resp: 267976
Ion Ratio Lower Upper
131 100
133 95.8 48.0 144.2
119 65.0 32.6 97.8





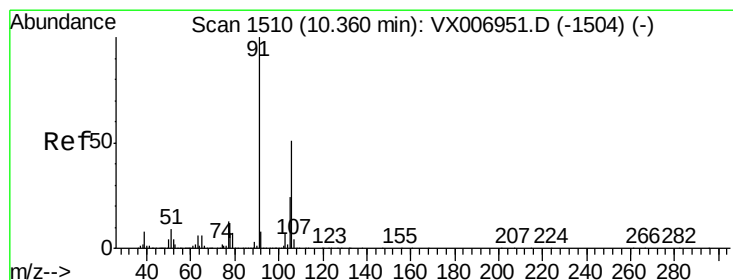
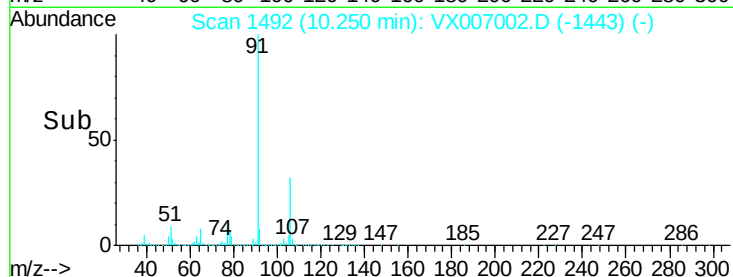
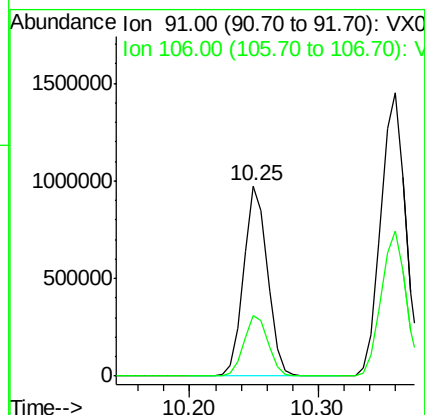
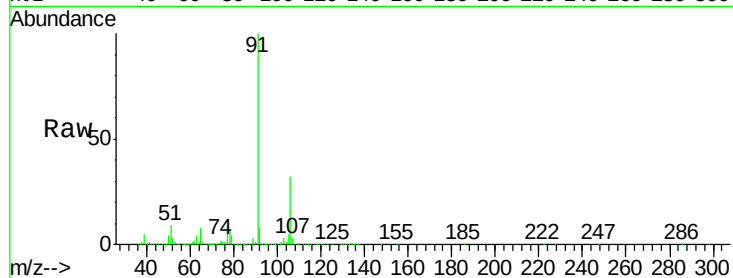
#67
Ethyl Benzene
Concen: 48.171 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX007002.D
Acq: 10 Jan 2019 20:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1240211
Ion Ratio Lower Upper
91 100
106 32.0 26.4 39.6

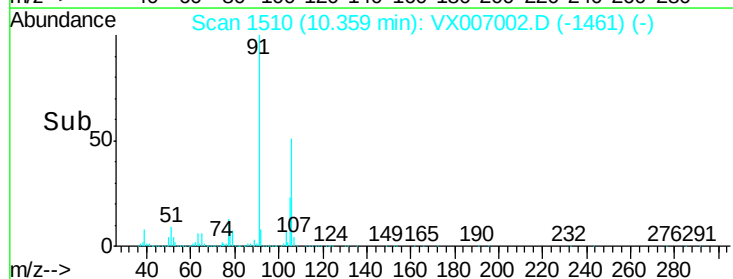
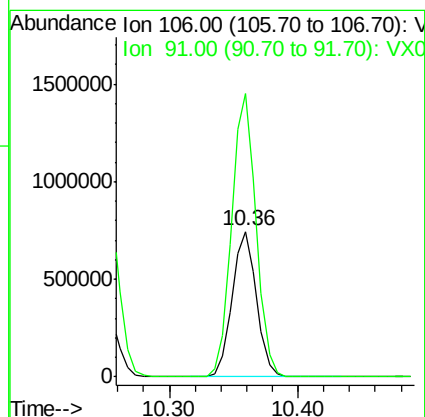
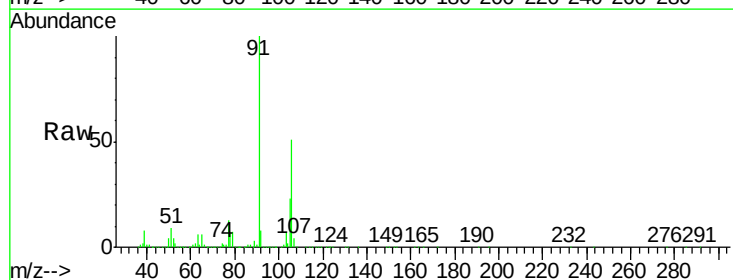
Manual Integrations
APPROVED

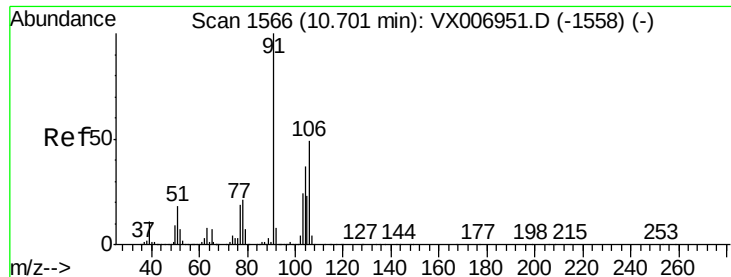
MMDadoda
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#68
m/p-Xylenes
Concen: 97.179 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX007002.D
Acq: 10 Jan 2019 20:40

Tgt Ion: 106 Resp: 985735
Ion Ratio Lower Upper
106 100
91 195.4 155.8 233.6





#69

o-Xylene

Concen: 48.626 ug/l

RT: 10.70 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VX007002.D

Acq: 10 Jan 2019 20:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:106 Resp: 481027

Ion Ratio Lower Upper

106 100

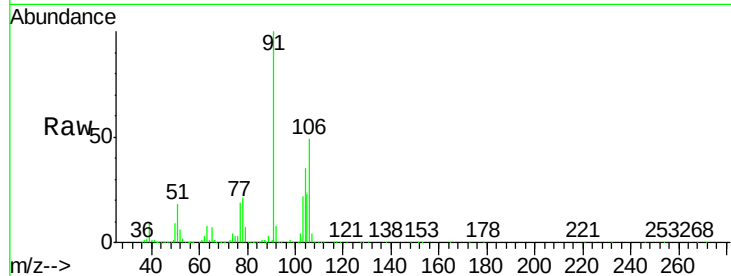
91 205.4 101.3 303.7

Manual Integrations

APPROVED

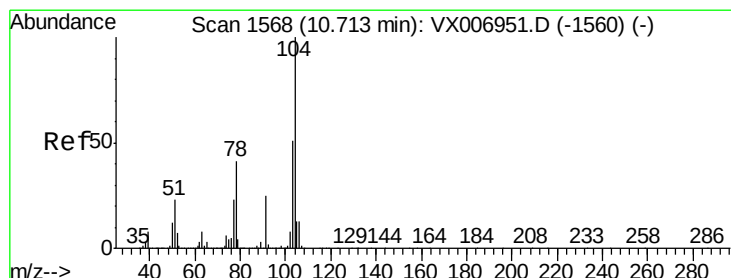
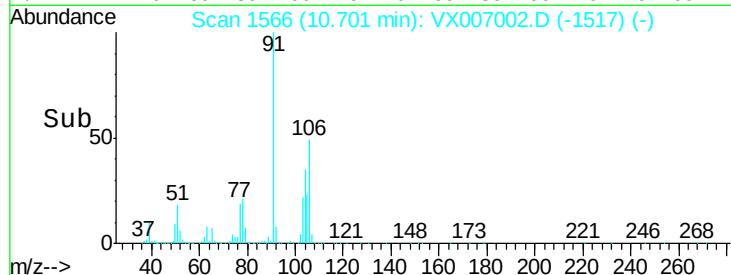
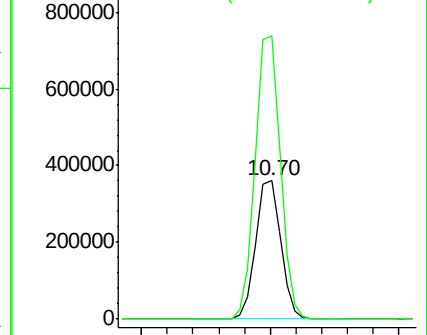
MMDadoda

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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#70

Styrene

Concen: 49.479 ug/l

RT: 10.71 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VX007002.D

Acq: 10 Jan 2019 20:40

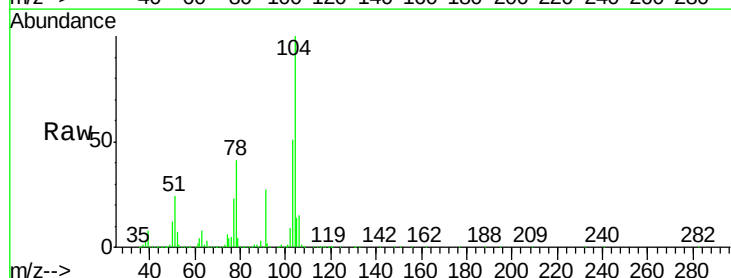
Tgt Ion:104 Resp: 775213

Ion Ratio Lower Upper

104 100

78 47.6 37.7 56.5

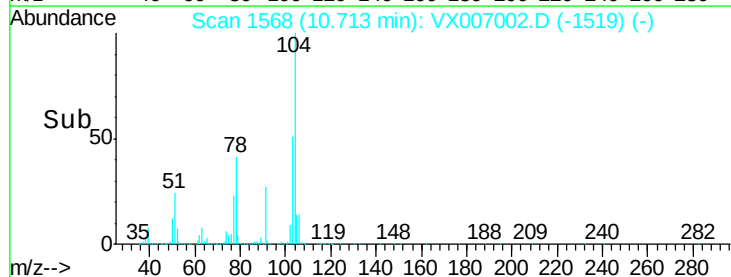
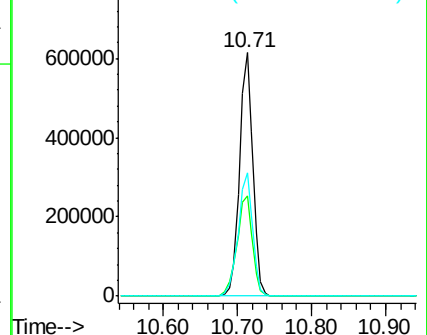
103 55.3 43.8 65.8

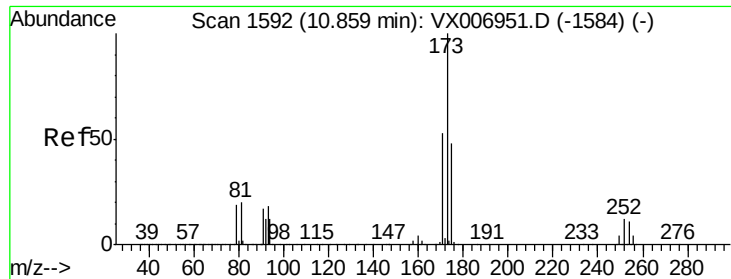


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VX0

Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 43.121 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX007002.D

Acq: 10 Jan 2019 20:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 199026

Ion Ratio Lower Upper

173 100

175 49.4 24.7 74.1

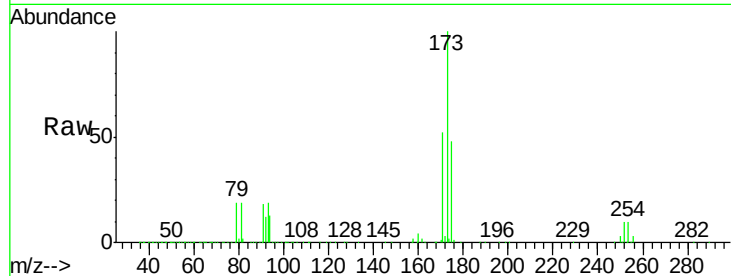
254 0.2 0.2 0.2

Manual Integrations

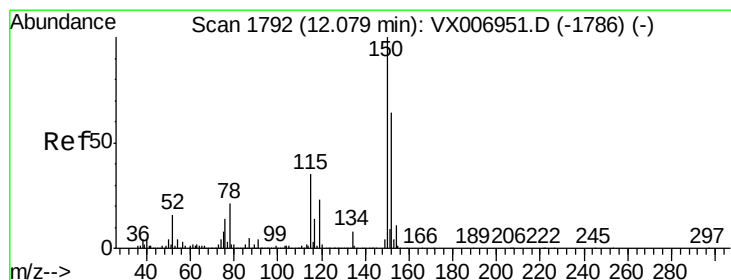
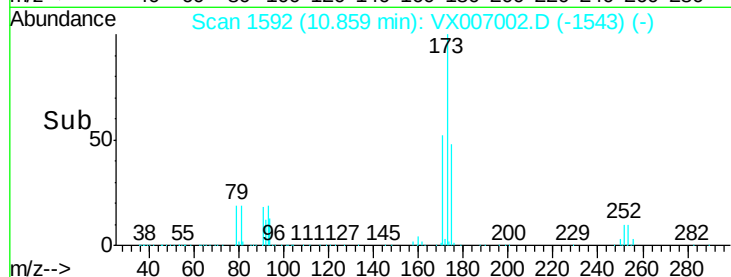
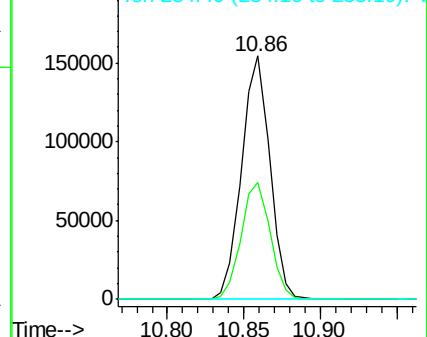
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX007002.D

Acq: 10 Jan 2019 20:40

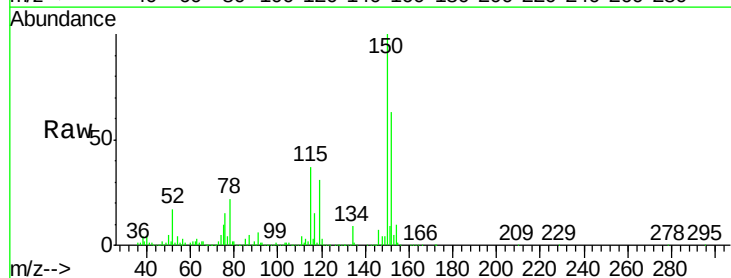
Tgt Ion:152 Resp: 365186

Ion Ratio Lower Upper

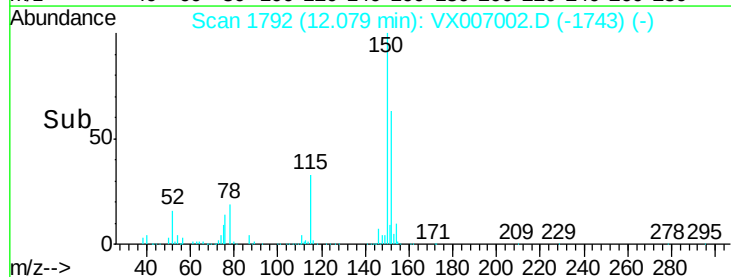
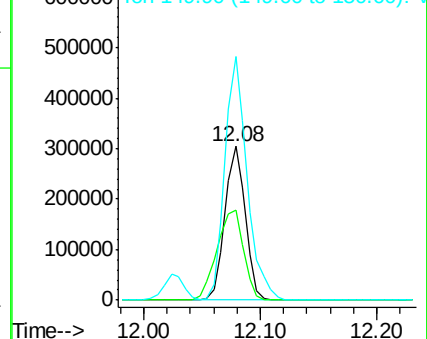
152 100

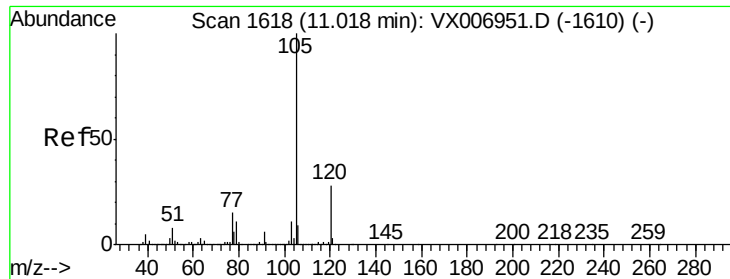
115 76.8 39.1 117.2

150 173.7 0.0 344.8



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





#73

Isopropylbenzene

Concen: 48.997 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX007002.D

Acq: 10 Jan 2019 20:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1261694

Ion Ratio Lower Upper

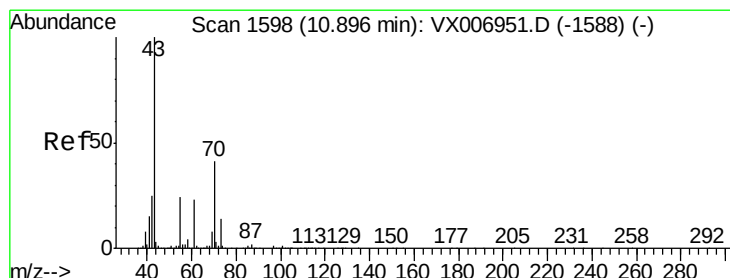
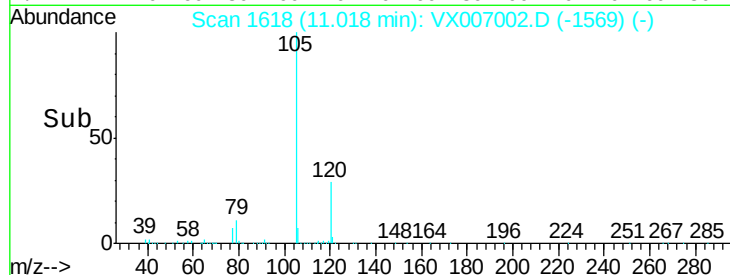
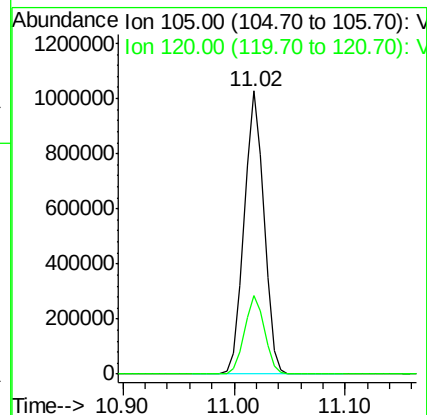
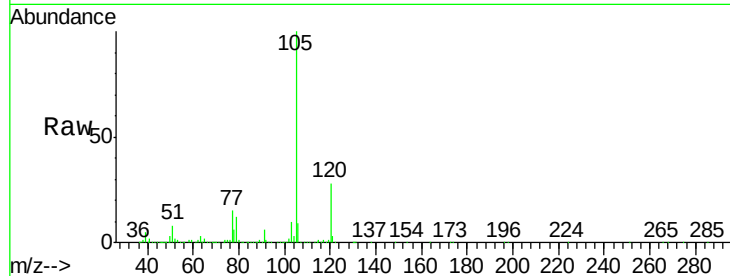
105 100

120 28.0 14.1 42.4

Manual Integrations
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#74

N-ethyl acetate

Concen: 49.669 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX007002.D

Acq: 10 Jan 2019 20:40

Tgt Ion: 43 Resp: 514960

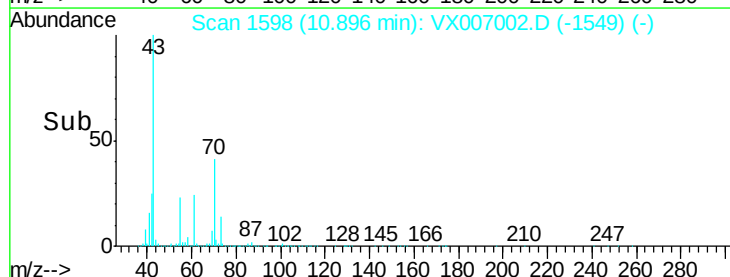
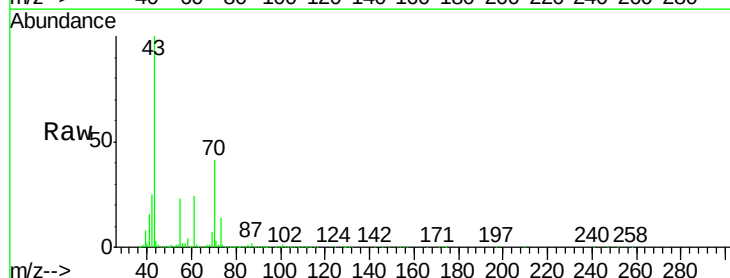
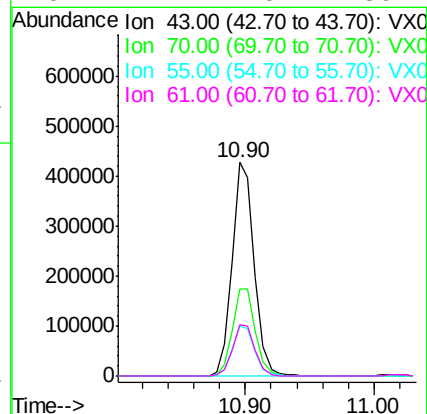
Ion Ratio Lower Upper

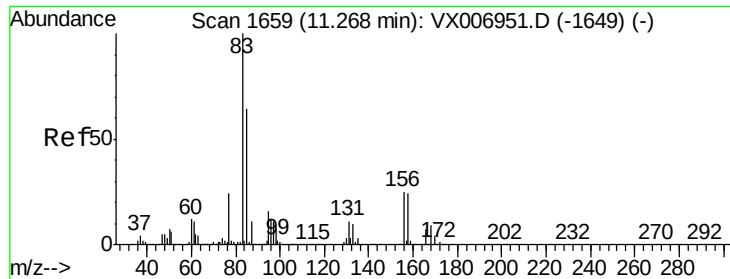
43 100

70 42.3 35.8 53.8

55 23.5 19.4 29.0

61 24.4 20.1 30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 48.754 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX007002.D

Acq: 10 Jan 2019 20:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 398566

Ion Ratio Lower Upper

83 100

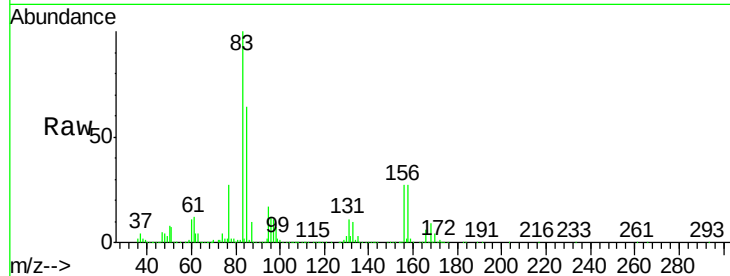
131 11.0 5.7 17.1

85 64.3 32.2 96.6

Manual Integrations
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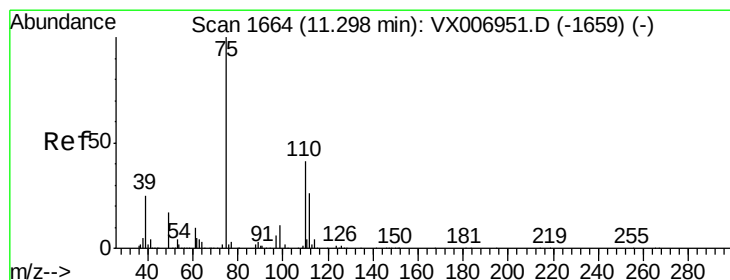
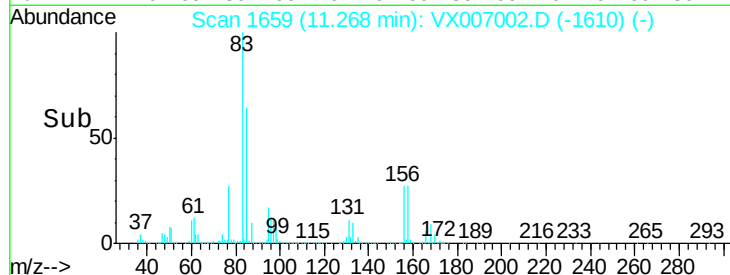
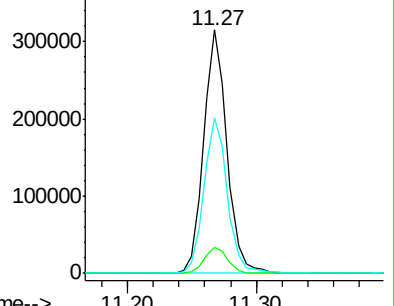
1/11/2019 11:42:45 AM



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 48.915 ug/l m

RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VX007002.D

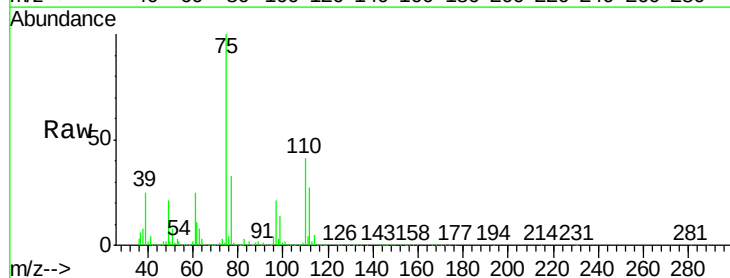
Acq: 10 Jan 2019 20:40

Tgt Ion: 75 Resp: 361985

Ion Ratio Lower Upper

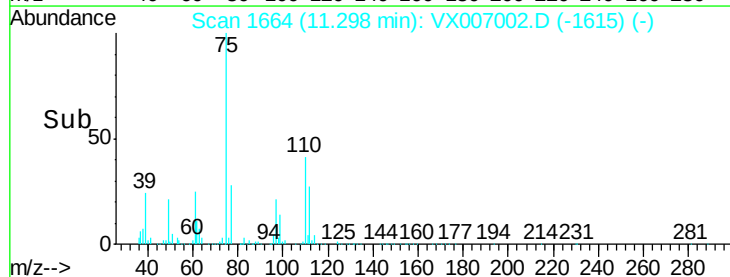
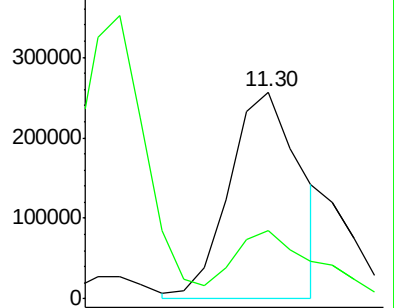
75 100

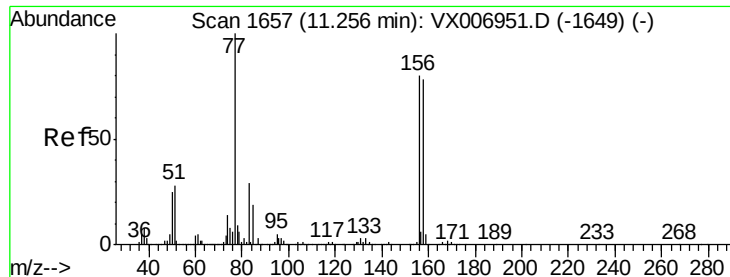
77 38.6 18.5 55.5



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 47.625 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX007002.D

Acq: 10 Jan 2019 20:40

Instrument :

MSVOA_X

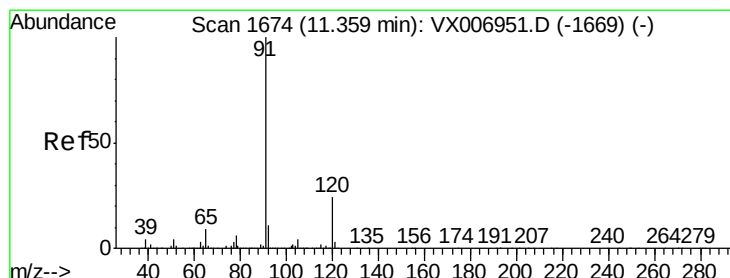
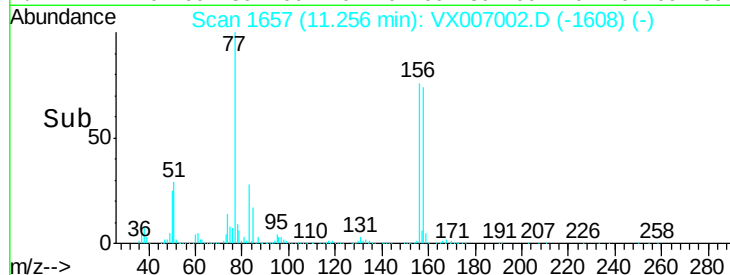
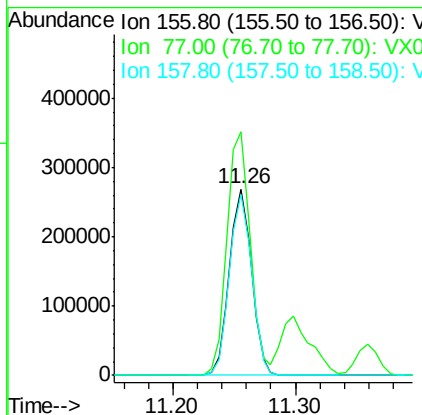
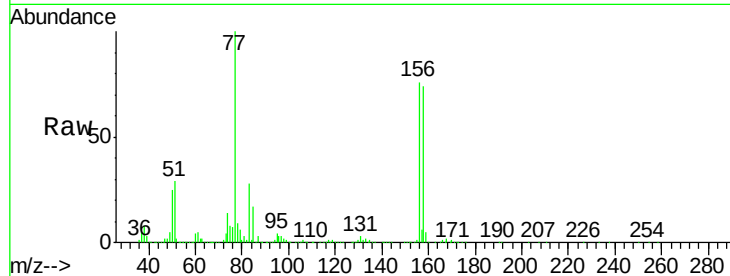
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	136.7	68.0	204.0
158	97.4	48.3	144.8

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#78

n-propylbenzene

Concen: 49.918 ug/l

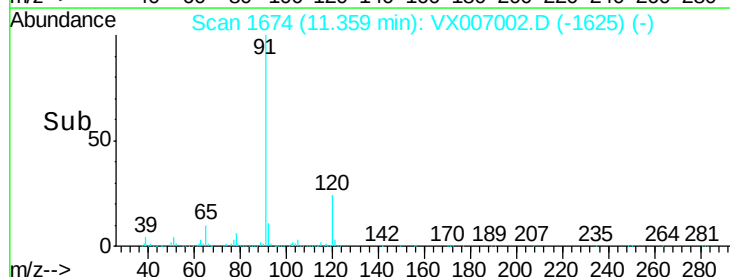
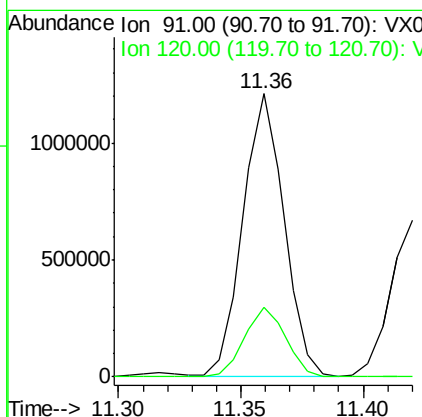
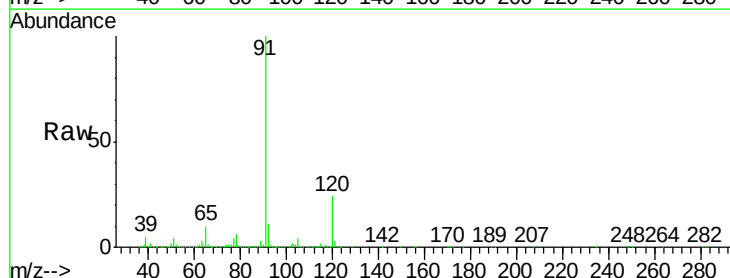
RT: 11.36 min Scan# 1674

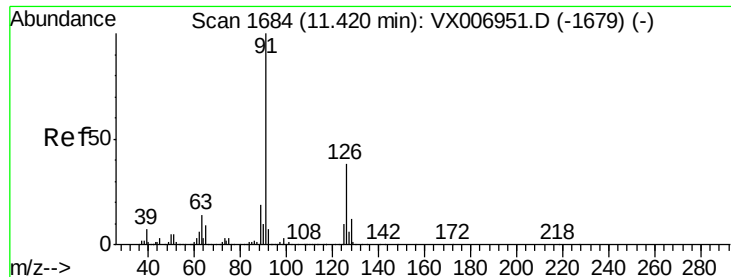
Delta R.T. -0.00 min

Lab File: VX007002.D

Acq: 10 Jan 2019 20:40

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.8	12.7	38.0





#79

2-Chlorotoluene

Concen: 48.274 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX007002.D

Acq: 10 Jan 2019 20:40

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050EC

Tot Ion: 91 Resp: 821467

Ion Ratio Lower Upper

91 100

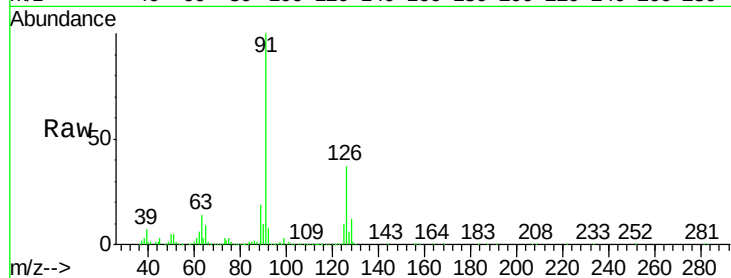
126 36.9 18.6 56.0

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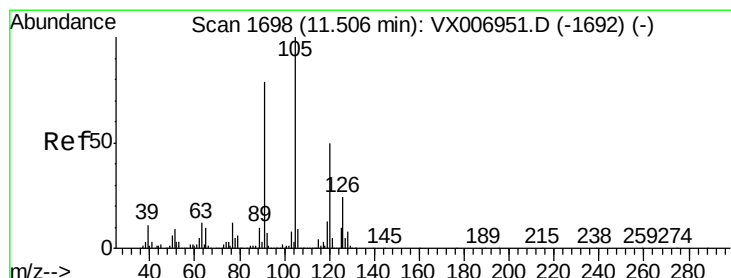
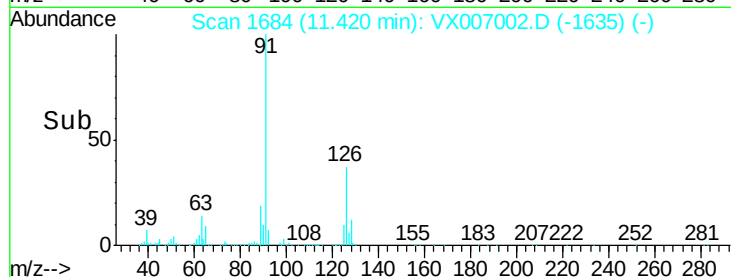
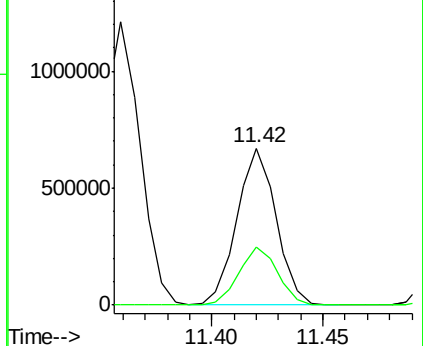
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Abundance Ion 91.00 (90.70 to 91.70): VX006951.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX006951.D (-1679) (-)



#80

1,3,5-Trimethylbenzene

Concen: 48.323 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX007002.D

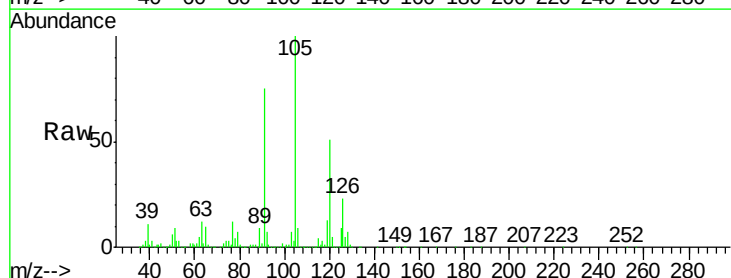
Acq: 10 Jan 2019 20:40

Tgt Ion: 105 Resp: 1039756

Ion Ratio Lower Upper

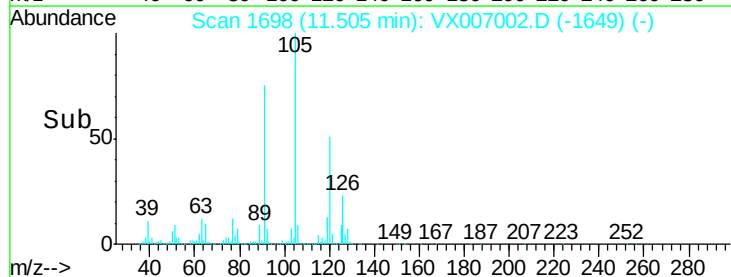
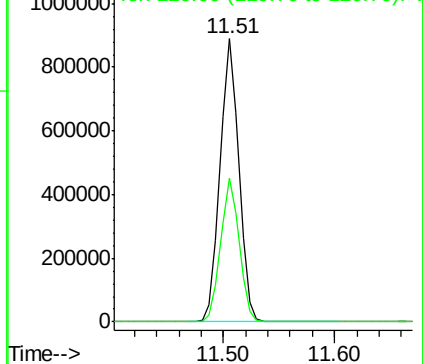
105 100

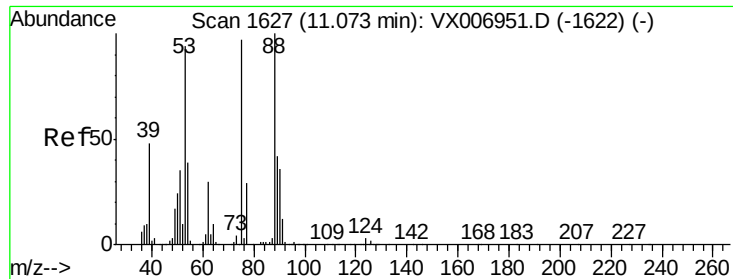
120 50.3 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): VX006951.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX006951.D (-1692) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 43.646 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX007002.D

Acq: 10 Jan 2019 20:40

Instrument :

MSVOA_X

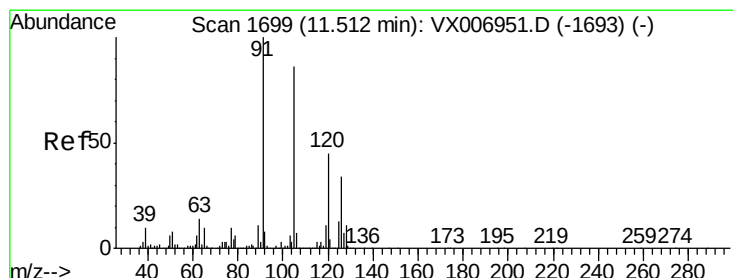
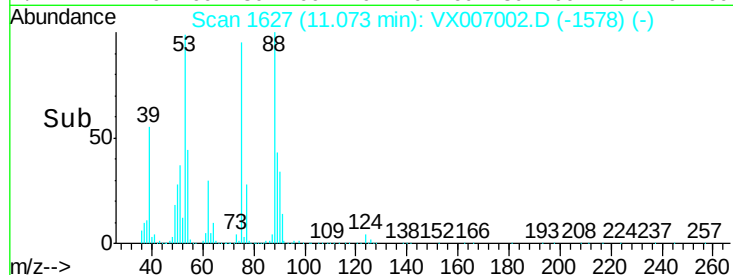
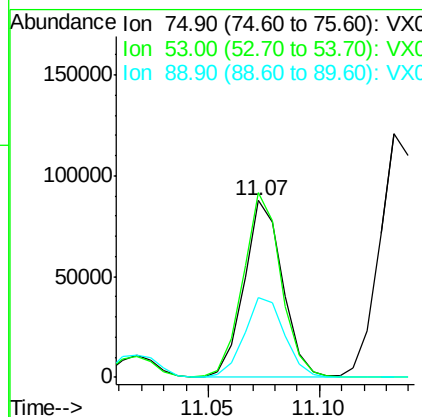
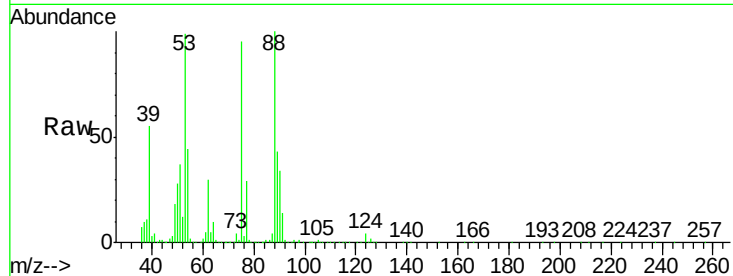
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	105752
Ion	Ratio	Lower	Upper
75	100		
53	102.3	79.7	119.5
89	47.5	38.0	57.0

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#82

4-Chlorotoluene

Concen: 47.934 ug/l

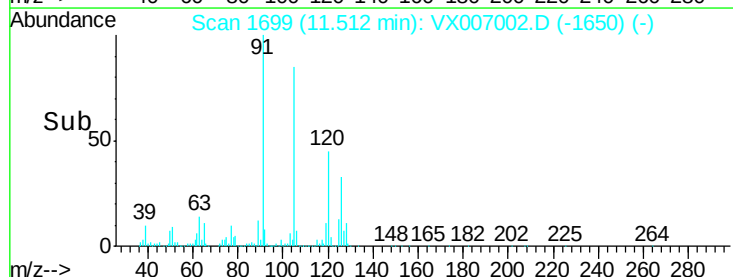
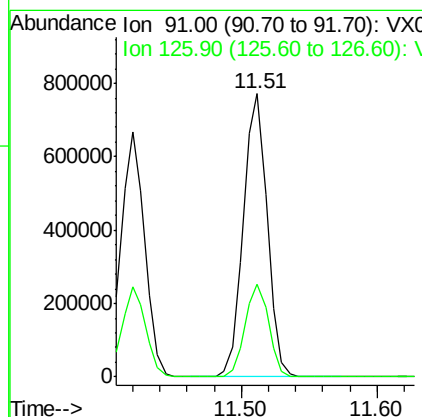
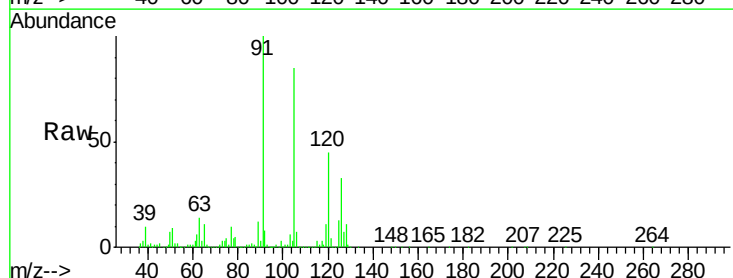
RT: 11.51 min Scan# 1699

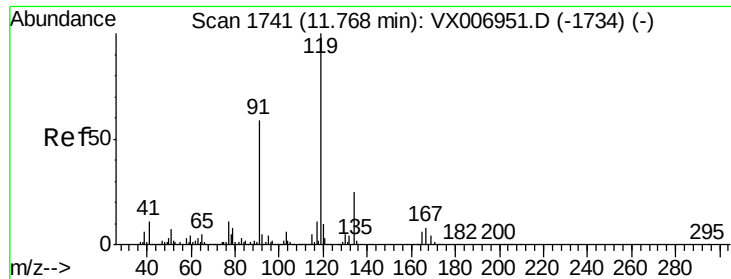
Delta R.T. -0.00 min

Lab File: VX007002.D

Acq: 10 Jan 2019 20:40

Tgt Ion:	91	Resp:	944425
Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.3	48.9





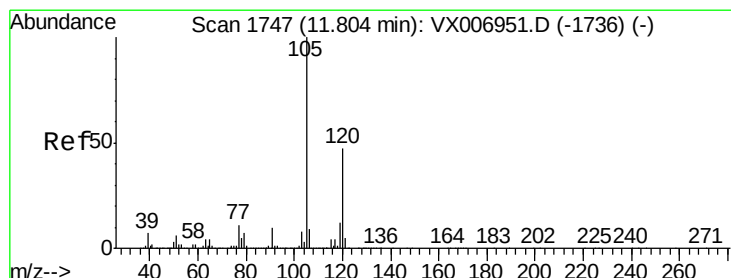
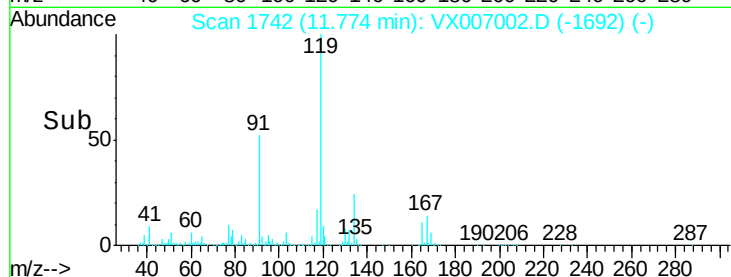
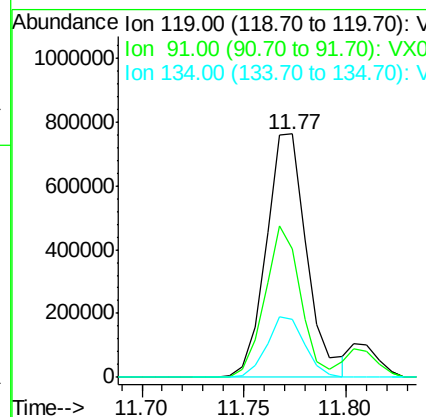
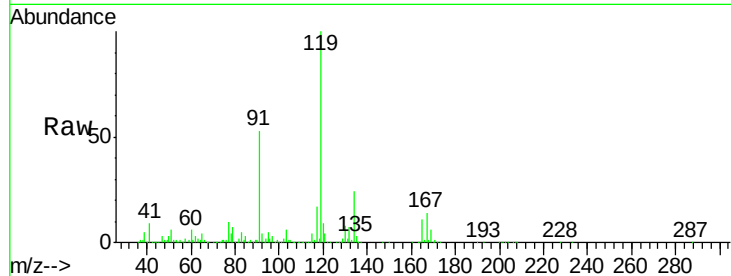
#83
 tert-Butylbenzene
 Concen: 49.284 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. 0.01 min
 Lab File: VX007002.D
 Acq: 10 Jan 2019 20:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:119 Resp: 1058017
 Ion Ratio Lower Upper
 119 100
 91 54.5 27.7 83.1
 134 23.5 11.9 35.5

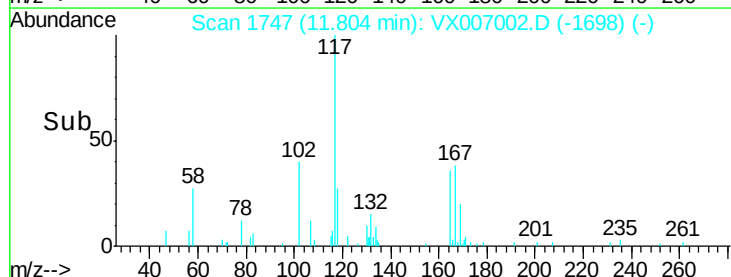
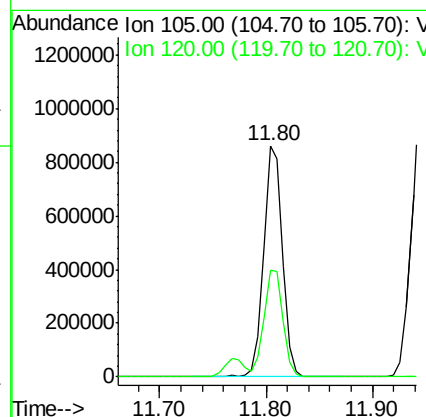
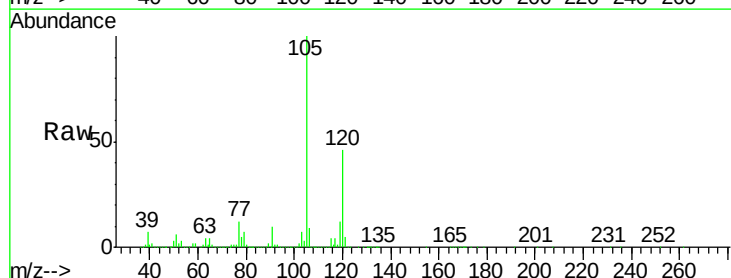
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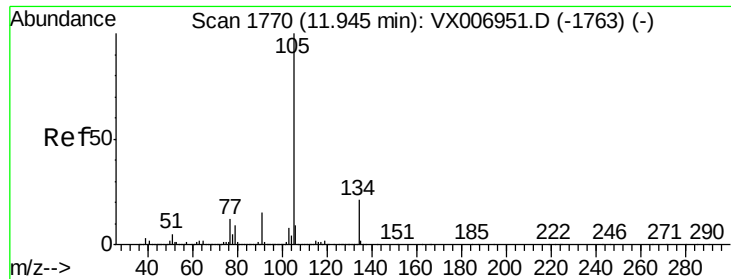
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#84
 1,2,4-Trimethylbenzene
 Concen: 49.275 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX007002.D
 Acq: 10 Jan 2019 20:40

Tgt Ion:105 Resp: 1066148
 Ion Ratio Lower Upper
 105 100
 120 46.6 23.2 69.6





#85

sec-Butylbenzene

Concen: 48.956 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX007002.D

Acq: 10 Jan 2019 20:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1255140

Ion Ratio Lower Upper

105 100

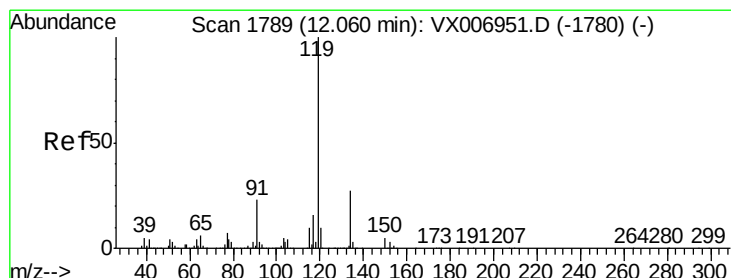
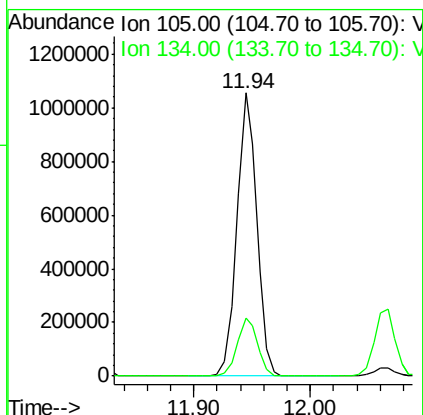
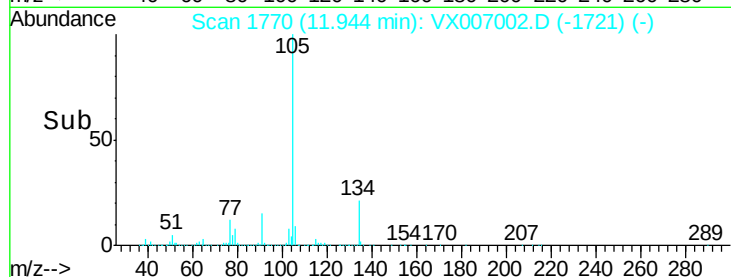
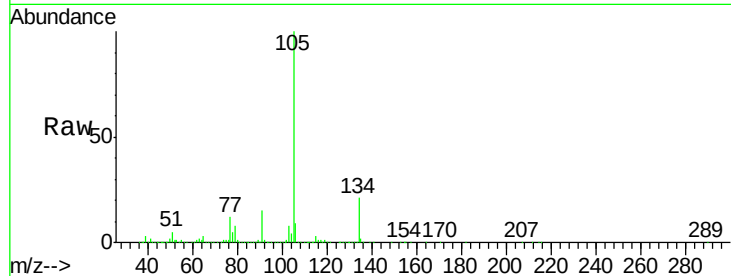
134 21.1 10.7 31.9

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#86

p-Isopropyltoluene

Concen: 49.379 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.01 min

Lab File: VX007002.D

Acq: 10 Jan 2019 20:40

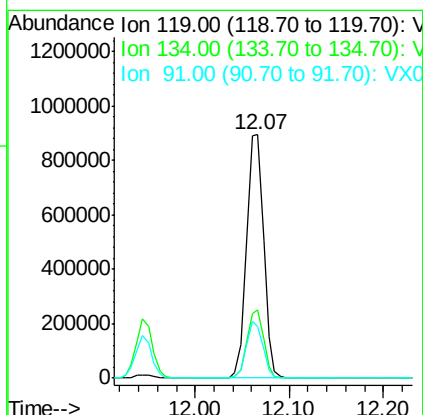
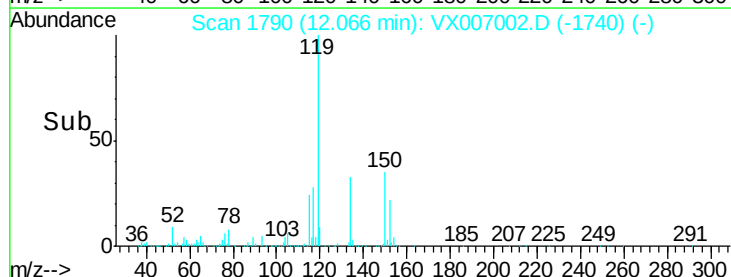
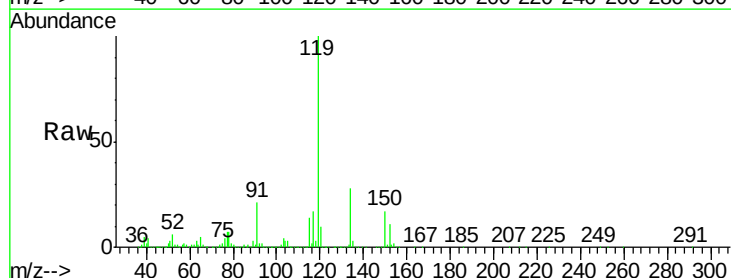
Tgt Ion:119 Resp: 1132407

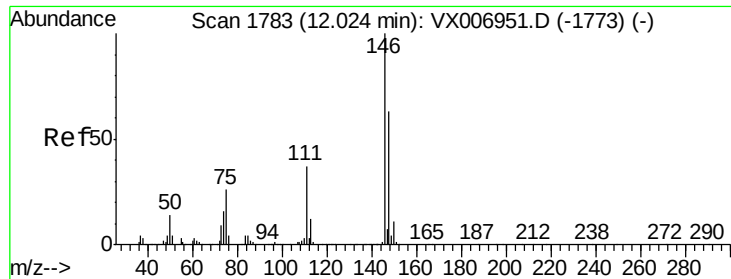
Ion Ratio Lower Upper

119 100

134 27.4 14.0 41.9

91 22.5 11.3 33.9





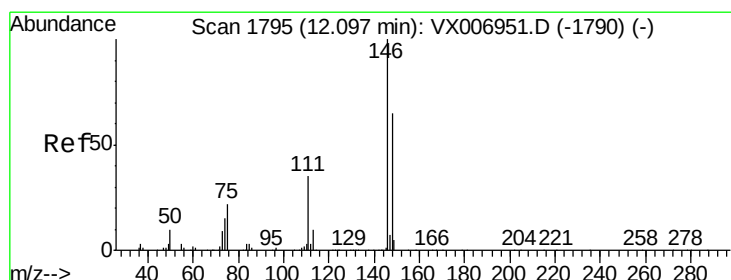
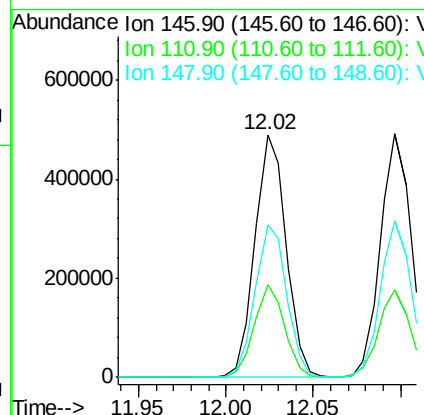
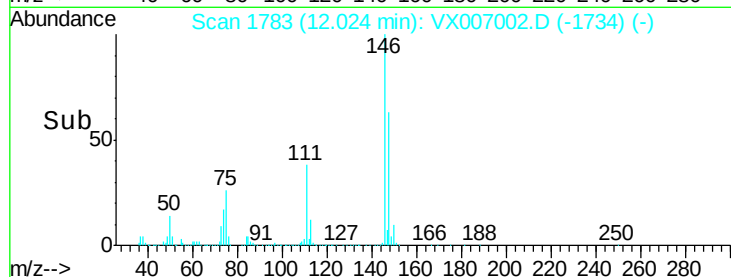
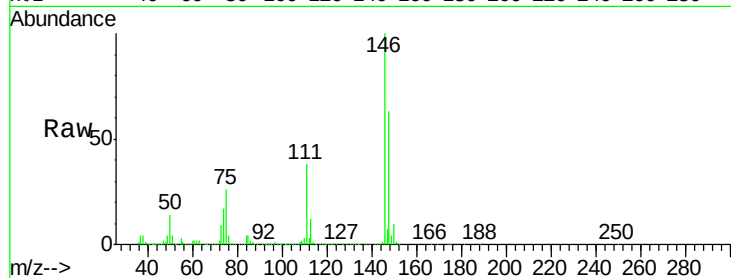
#87
 1,3-Dichlorobenzene
 Concen: 47.364 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX007002.D
 Acq: 10 Jan 2019 20:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.6	55.8
148	63.7	31.8	95.3

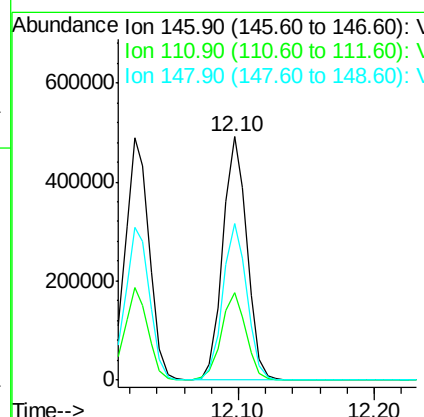
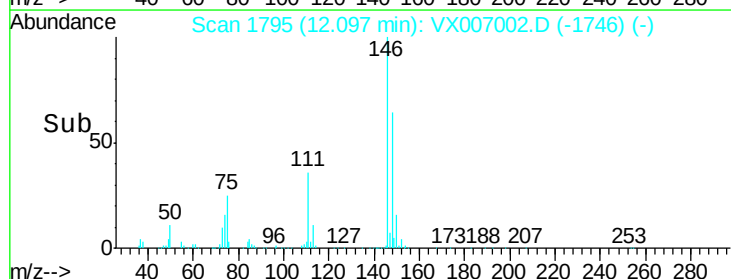
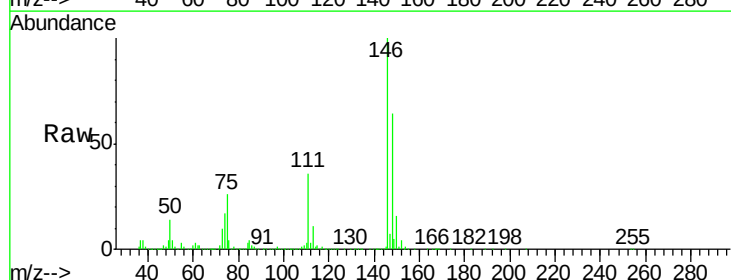
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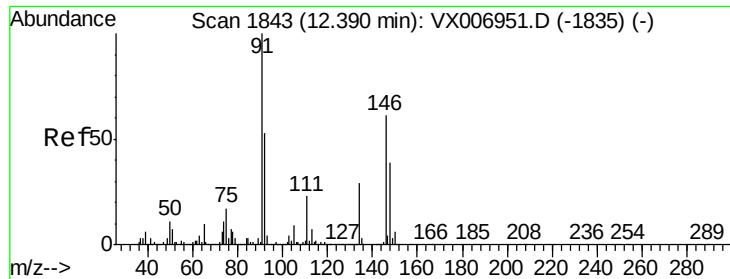
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#88
 1,4-Dichlorobenzene
 Concen: 49.547 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX007002.D
 Acq: 10 Jan 2019 20:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.5	18.1	54.1
148	64.2	31.9	95.9





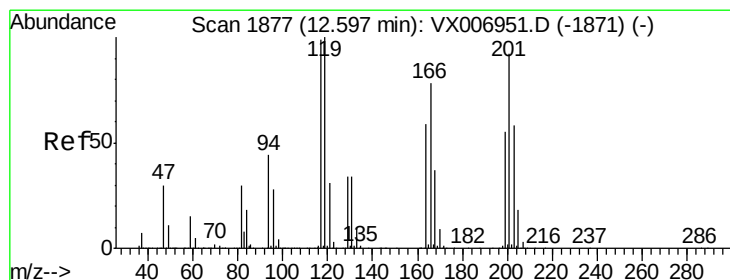
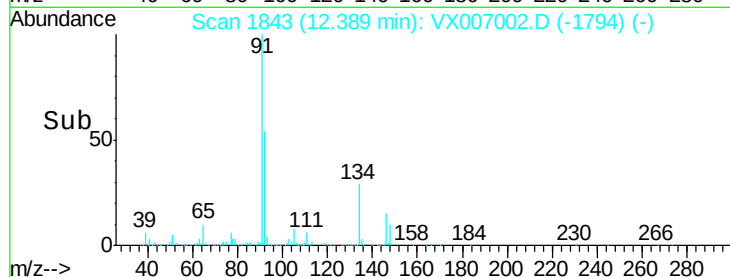
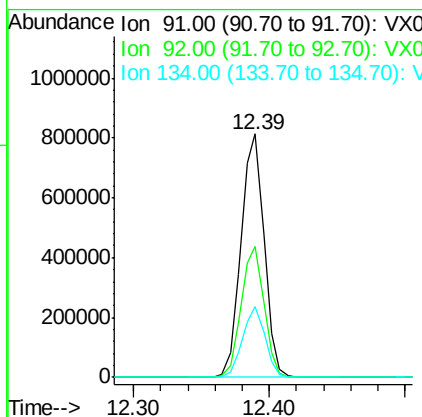
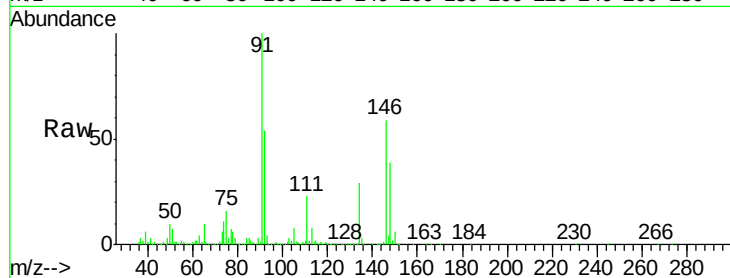
#89
n-Butylbenzene
Concen: 49.170 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX007002.D
Acq: 10 Jan 2019 20:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
91	100	961235		
92	53.2	26.8	80.4	
134	28.2	14.4	43.2	

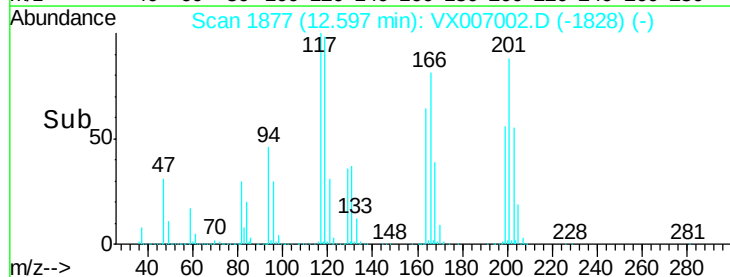
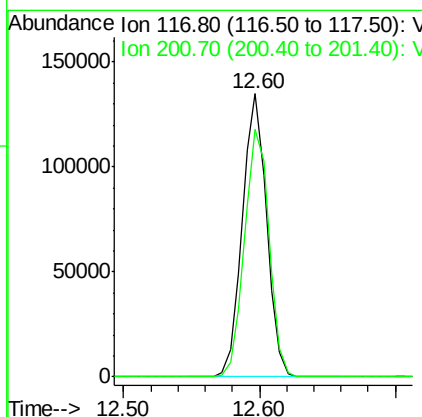
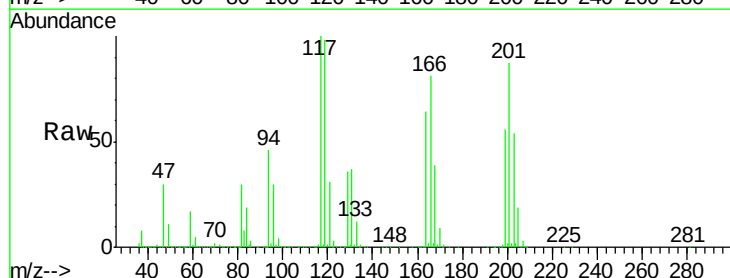
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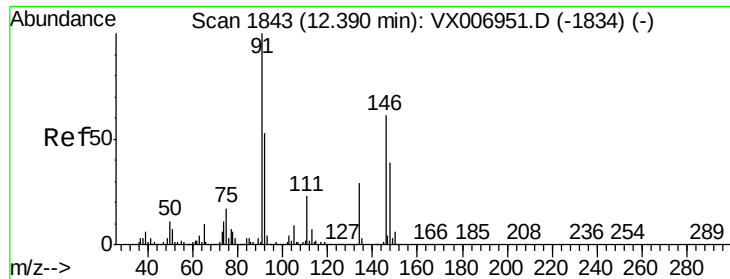
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#90
Hexachloroethane
Concen: 46.126 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX007002.D
Acq: 10 Jan 2019 20:40

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	167994		
201	88.8	42.9	128.7	





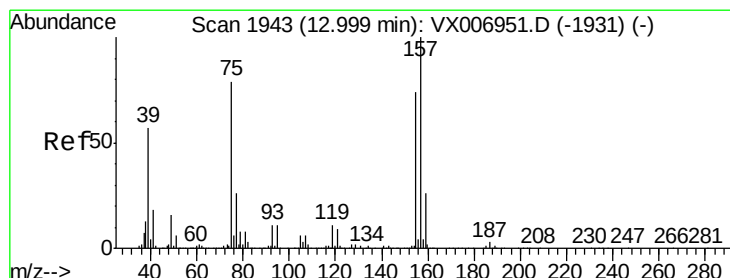
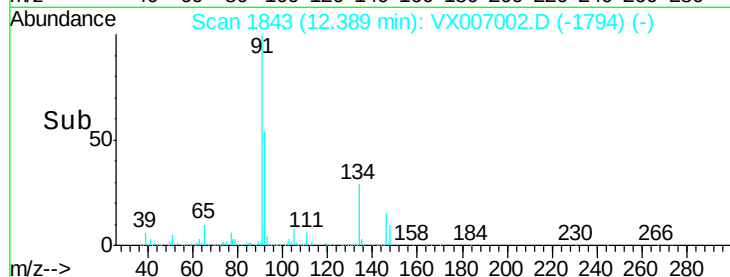
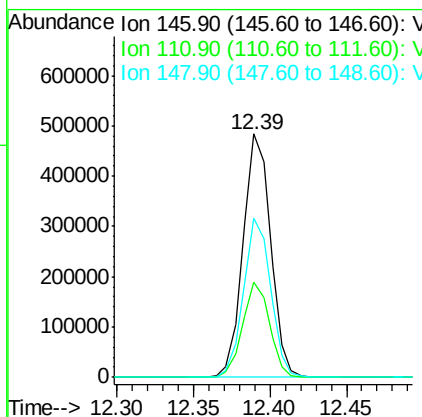
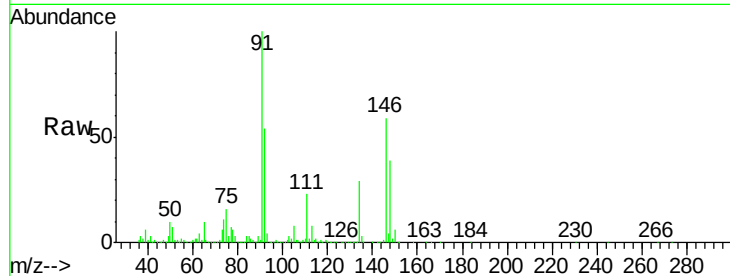
#91
 1,2-Dichlorobenzene
 Concen: 47.675 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX007002.D
 Acq: 10 Jan 2019 20:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.4	58.2
148	64.4	32.3	96.9

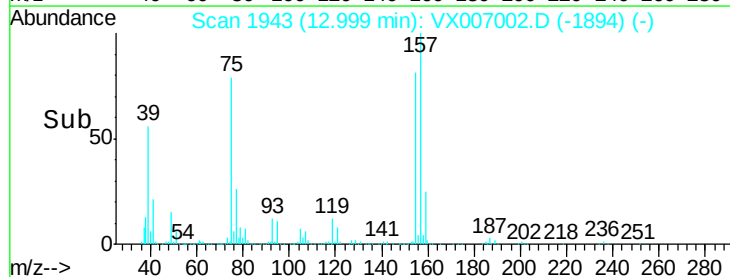
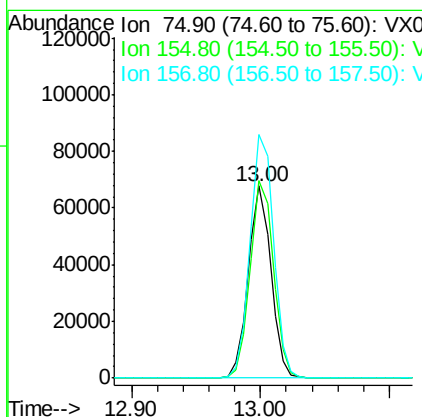
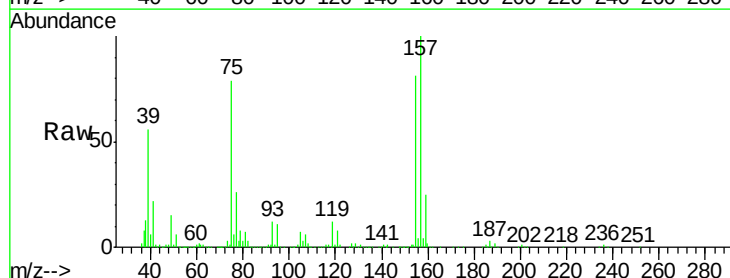
Manual Integrations
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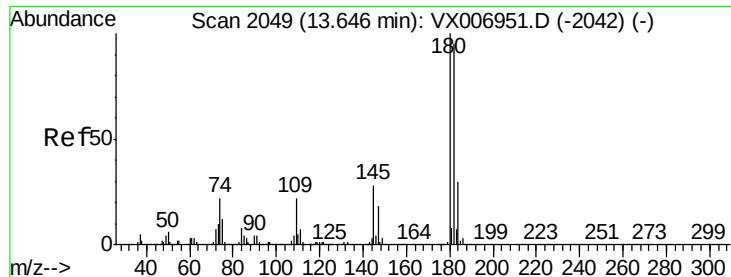
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 1/11/2019 11:42:45 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.613 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX007002.D
 Acq: 10 Jan 2019 20:40

Tgt Ion	Ratio	Lower	Upper
75	100		
155	105.8	50.6	151.8
157	131.3	64.6	193.8





#93

1,2,4-Trichlorobenzene

Concen: 48.327 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. -0.00 min

Lab File: VX007002.D

Acq: 10 Jan 2019 20:40

Instrument :

MSVOA_X

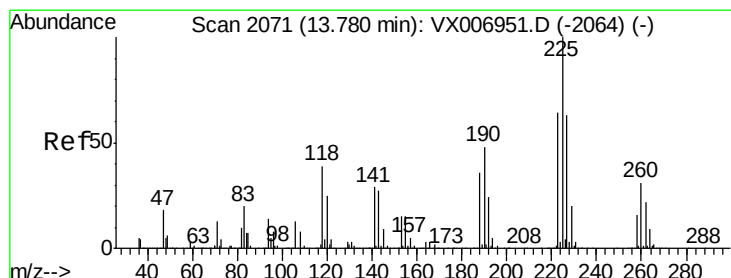
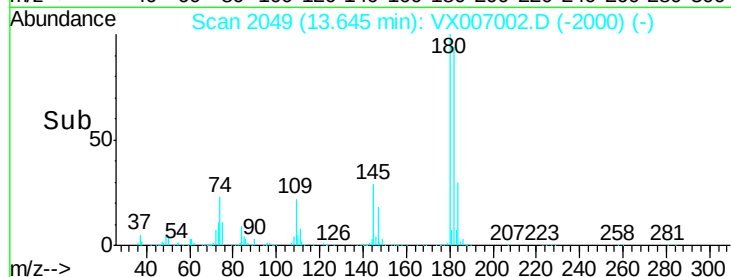
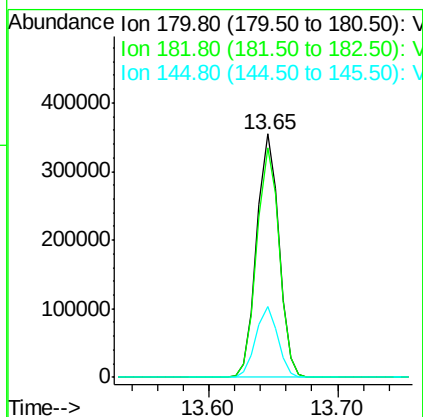
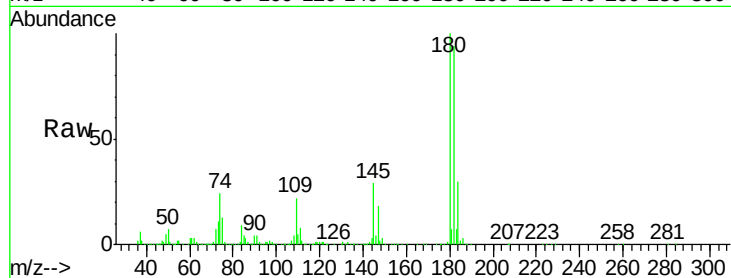
ClientSampleId :

VSTDCCC050EC

Tot Ion:	180	Resp:	419622
Ion Ratio	Lower	Upper	
180	100		
182	95.1	47.3	142.0
145	28.8	14.8	44.3

Manual Integrations
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#94

Hexachlorobutadiene

Concen: 48.964 ug/l

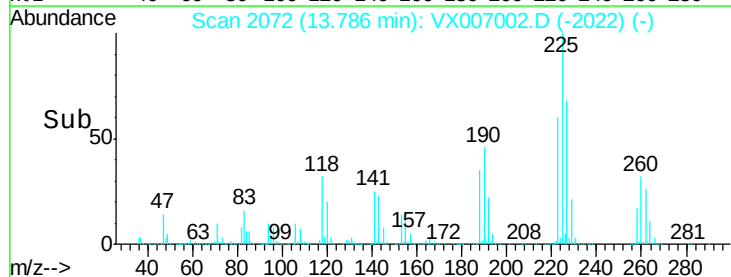
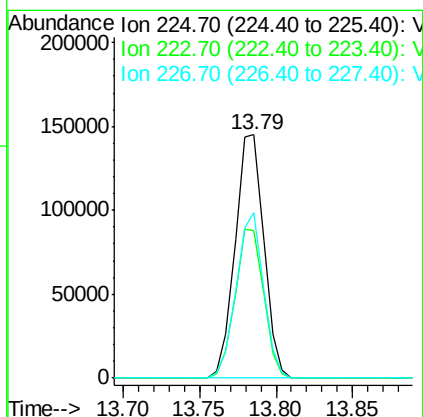
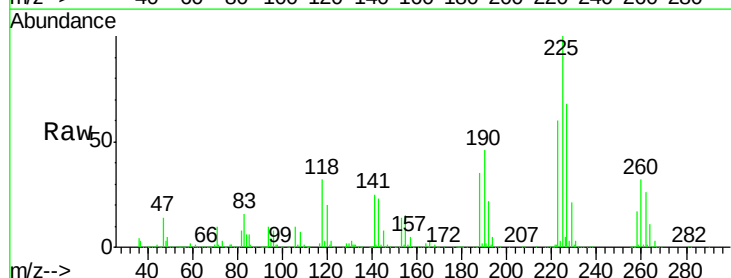
RT: 13.79 min Scan# 2072

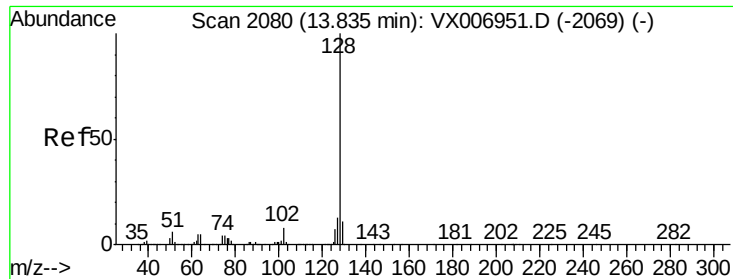
Delta R.T. 0.01 min

Lab File: VX007002.D

Acq: 10 Jan 2019 20:40

Tgt Ion:	225	Resp:	188669
Ion Ratio	Lower	Upper	
225	100		
223	61.1	32.1	96.3
227	64.4	32.3	96.8





#95

Naphthalene

Concen: 49.794 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX007002.D

Acq: 10 Jan 2019 20:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:128 Resp: 1310146

Ion Ratio Lower Upper

128 100

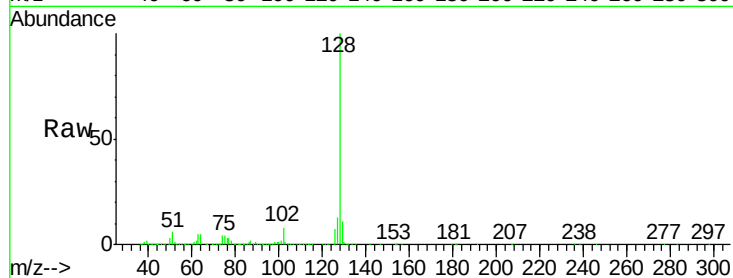
127 12.9 10.1 15.1

129 10.7 8.6 13.0

Manual Integrations
APPROVED

MMDadoda

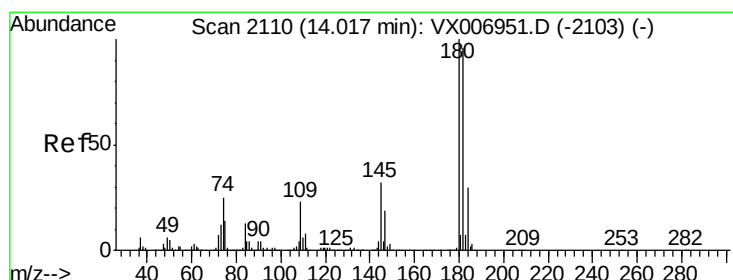
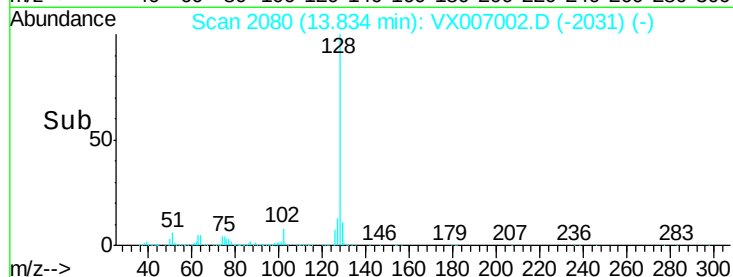
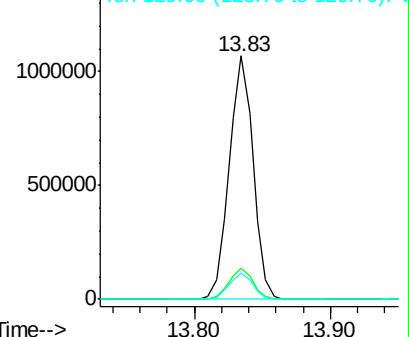
1/11/2019 11:42:45 AM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 48.445 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX007002.D

Acq: 10 Jan 2019 20:40

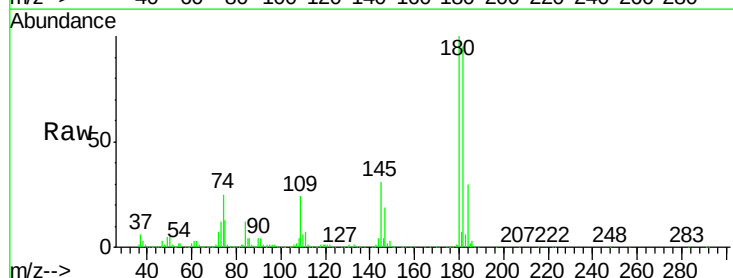
Tgt Ion:180 Resp: 417866

Ion Ratio Lower Upper

180 100

182 95.6 48.5 145.5

145 30.7 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

