

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX020520\
 Data File : VX014811.D
 Acq On : 05 Feb 2020 09:46
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 2/6/2020 1:32:21 PM

Quant Time: Feb 06 03:13:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X012220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 22 12:35:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	424657	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	615898	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	564258	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	298438	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	225155	45.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.80%	
35) Dibromofluoromethane	5.48	113	187745	48.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.62%	
50) Toluene-d8	8.71	98	703376	47.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.16%	
62) 4-Bromofluorobenzene	11.13	95	254434	47.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	243816	42.852	ug/l	98
3) Chloromethane	1.32	50	239556	41.699	ug/l	99
4) Vinyl Chloride	1.41	62	281170	45.266	ug/l	100
5) Bromomethane	1.63	94	177868	42.158	ug/l	97
6) Chloroethane	1.72	64	160557	45.042	ug/l	100
7) Trichlorofluoromethane	1.92	101	331599	45.848	ug/l	98
8) Diethyl Ether	2.18	74	140185	44.406	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	200154	47.141	ug/l	100
10) Methyl Iodide	2.50	142	270328	48.522	ug/l	98
11) Tert butyl alcohol	3.03	59	206963	185.893	ug/l	99
12) 1,1-Dichloroethene	2.37	96	188260	44.596	ug/l	99
13) Acrolein	2.28	56	226879	258.449	ug/l	98
14) Allyl chloride	2.72	41	341381	44.991	ug/l	98
15) Acrylonitrile	3.13	53	565702	219.603	ug/l	99
16) Acetone	2.43	43	656796	241.665	ug/l	100
17) Carbon Disulfide	2.56	76	470696	40.796	ug/l	100
18) Methyl Acetate	2.76	43	348729	44.951	ug/l	100
19) Methyl tert-butyl Ether	3.18	73	655489	47.406	ug/l	99
20) Methylene Chloride	2.84	84	218293	43.406	ug/l	97
21) trans-1,2-Dichloroethene	3.15	96	204421	43.980	ug/l	99
22) Diisopropyl ether	3.84	45	709654	47.008	ug/l	92
23) Vinyl Acetate	3.80	43	2748451	238.833	ug/l	99
24) 1,1-Dichloroethane	3.69	63	375154	45.759	ug/l	100
25) 2-Butanone	4.65	43	866042	222.404	ug/l	97
26) 2,2-Dichloropropane	4.57	77	317742	48.420	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	238168	45.783	ug/l	99
28) Bromochloromethane	5.00	49	155795	43.244	ug/l	98
29) Tetrahydrofuran	5.11	42	493002	213.313	ug/l	99
30) Chloroform	5.20	83	385174	47.427	ug/l	100
31) Cyclohexane	5.57	56	337241	43.735	ug/l	94
32) 1,1,1-Trichloroethane	5.48	97	325529	47.419	ug/l	99
36) 1,1-Dichloropropene	5.79	75	282152	49.302	ug/l	98
37) Ethyl Acetate	4.81	43	305529	46.613	ug/l	99
38) Carbon Tetrachloride	5.77	117	280846	51.384	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	351603	49.042	ug/l	99
40) Benzene	6.13	78	852177	48.193	ug/l	99
41) Methacrylonitrile	5.03	41	170395	45.544	ug/l	97
42) 1,2-Dichloroethane	6.18	62	309824	50.739	ug/l	99
43) Isopropyl Acetate	6.43	43	503443	46.904	ug/l	99
44) Trichloroethene	7.20	130	240230	48.097	ug/l	98
45) 1,2-Dichloropropane	7.50	63	225778	49.562	ug/l	98
46) Dibromomethane	7.65	93	144354	48.927	ug/l	98
47) Bromodichloromethane	7.89	83	300201	51.878	ug/l	99
48) Methyl methacrylate	7.76	41	247857	48.330	ug/l	97
49) 1,4-Dioxane	7.73	88	88008	809.562	ug/l	98
51) 4-Methyl-2-Pentanone	8.63	43	1585017	233.969	ug/l	100
52) Toluene	8.78	92	545483	50.184	ug/l	99
53) t-1,3-Dichloropropene	9.03	75	327489	52.559	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	364941	53.241	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	225053	50.571	ug/l	98
56) Ethyl methacrylate	9.17	69	345740	45.975	ug/l	99
57) 1,3-Dichloropropane	9.36	76	371530	48.837	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.30	63	597587	267.009	ug/l	99
59) 2-Hexanone	9.48	43	1253413	238.432	ug/l	100
60) Dibromochloromethane	9.57	129	243243	52.365	ug/l	100
61) 1,2-Dibromoethane	9.67	107	237125	50.396	ug/l	99
64) Tetrachloroethene	9.33	164	262681	47.030	ug/l	99
65) Chlorobenzene	10.13	112	593840	49.203	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	225325	50.635	ug/l	99
67) Ethyl Benzene	10.25	91	1055141	51.201	ug/l	100
68) m/p-Xylenes	10.35	106	800489	102.532	ug/l	99
69) o-Xylene	10.69	106	384813	51.056	ug/l	100
70) Styrene	10.71	104	674722	53.366	ug/l	100
71) Bromoform	10.85	173	186751	52.772	ug/l #	99
73) Isopropylbenzene	11.01	105	1042547	49.682	ug/l	99
74) N-amyl acetate	10.89	43	440610	47.916	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	333705	44.539	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	281443m	40.534	ug/l	
77) Bromobenzene	11.25	156	274256	48.650	ug/l	96
78) n-propylbenzene	11.35	91	1201822	50.456	ug/l	99
79) 2-Chlorotoluene	11.42	91	707031	49.059	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	892617	51.252	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	112770	46.220	ug/l	99
82) 4-Chlorotoluene	11.51	91	822960	50.158	ug/l	100
83) tert-Butylbenzene	11.76	119	832713	50.882	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	890625	50.983	ug/l	98
85) sec-Butylbenzene	11.94	105	1025015	51.126	ug/l	99
86) p-Isopropyltoluene	12.06	119	966281	52.152	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	491292	48.493	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	497704	49.042	ug/l	99
89) n-Butylbenzene	12.39	91	836353	51.828	ug/l	99
90) Hexachloroethane	12.59	117	172277	50.059	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	489275	48.624	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	72511	45.045	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	345876	53.315	ug/l	98
94) Hexachlorobutadiene	13.77	225	171372	51.324	ug/l	99
95) Naphthalene	13.83	128	988230	47.290	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	340764	51.948	ug/l	98

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

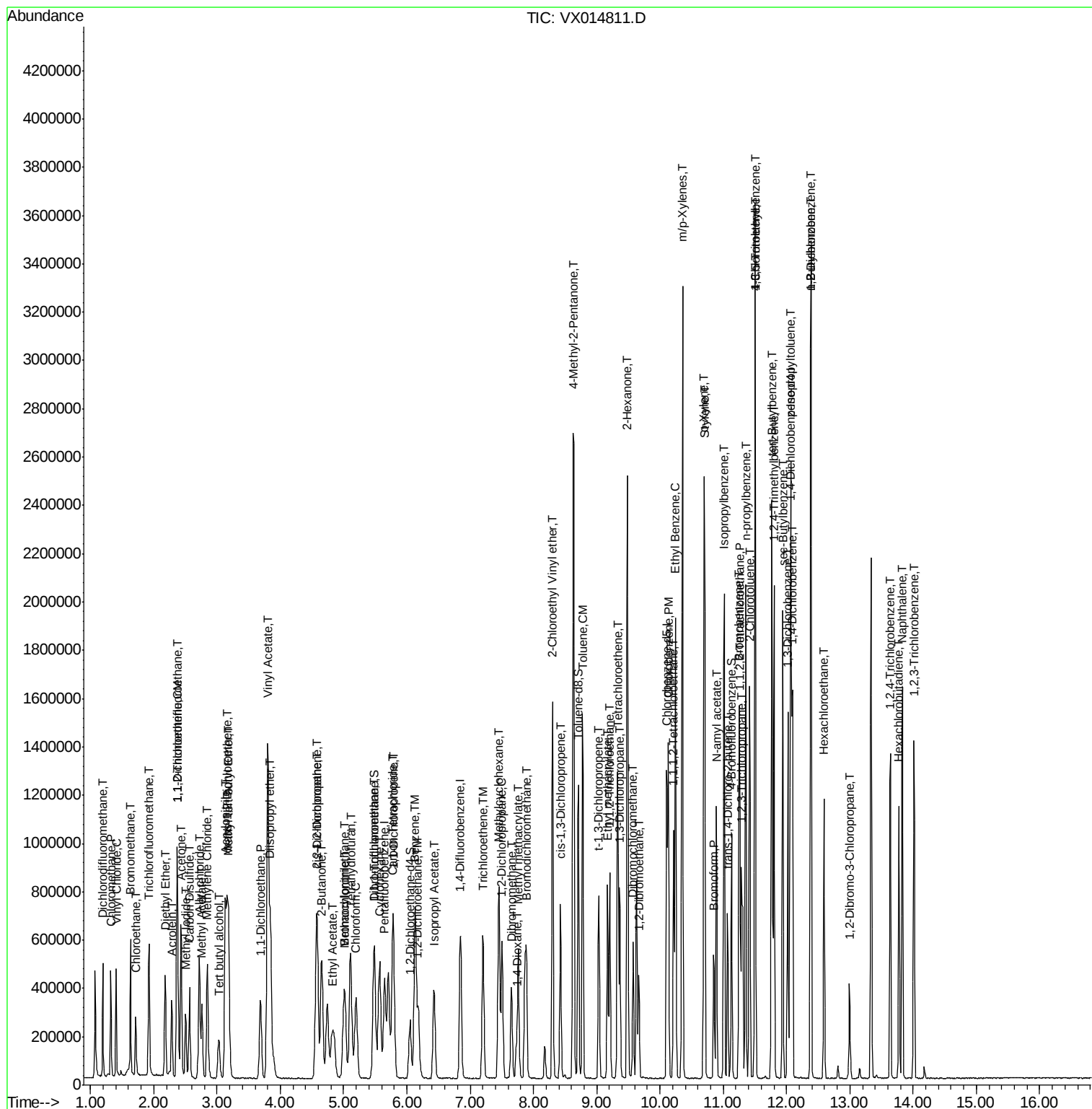
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX020520\
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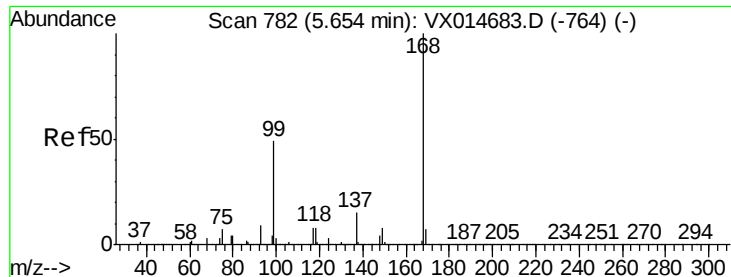
Instrument :
MSVOA_X
ClientSampleID :
VSTDCCC050

Manual Integrations
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.01 min

Lab File: VX014811.D

Acq: 05 Feb 2020 09:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 424657

Ion Ratio Lower Upper

168 100

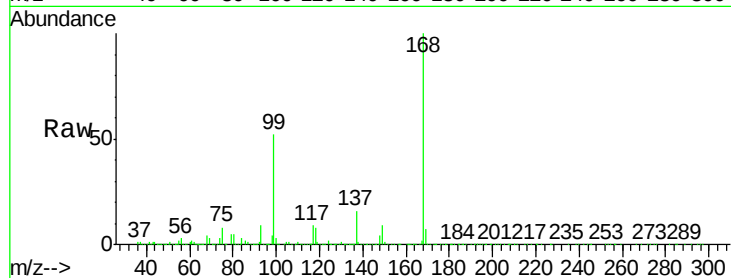
99 52.2 39.8 59.6

Manual Integrations

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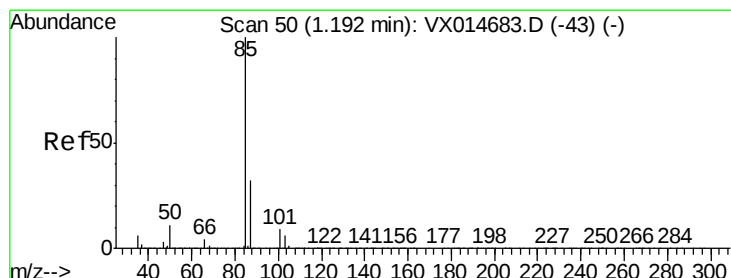
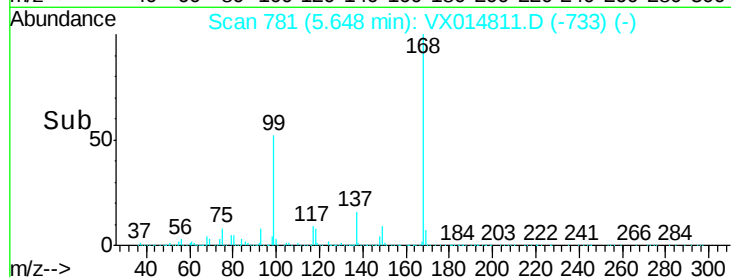
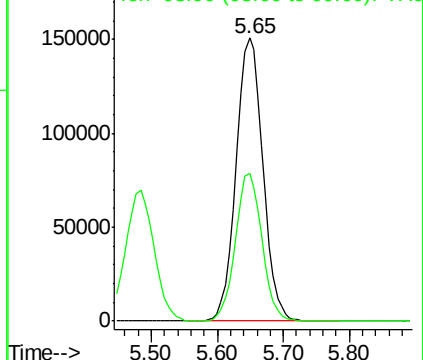
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 42.852 ug/l

RT: 1.19 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX014811.D

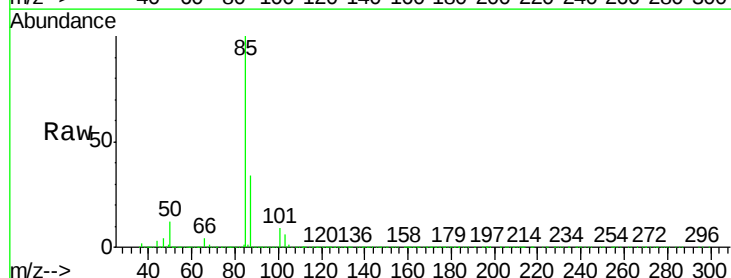
Acq: 05 Feb 2020 09:46

Tgt Ion: 85 Resp: 243816

Ion Ratio Lower Upper

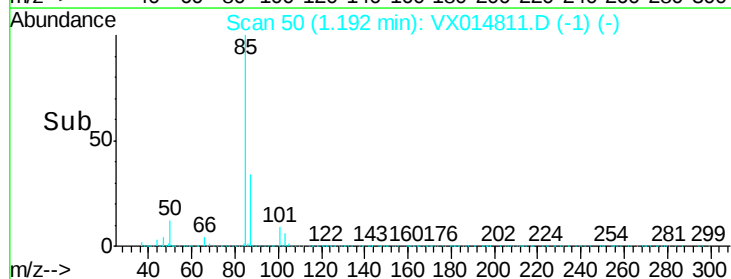
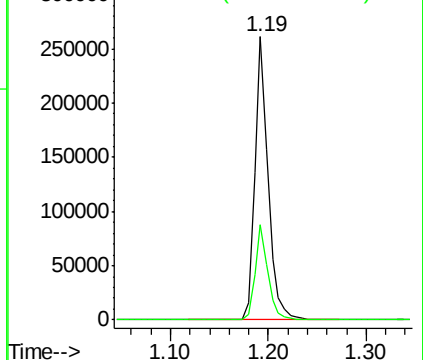
85 100

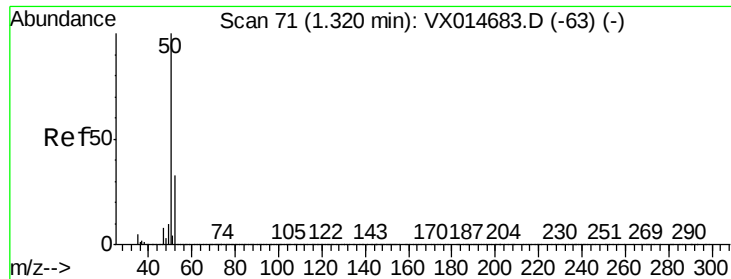
87 33.6 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 41.699 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX014811.D

Acq: 05 Feb 2020 09:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 239556

Ion Ratio Lower Upper

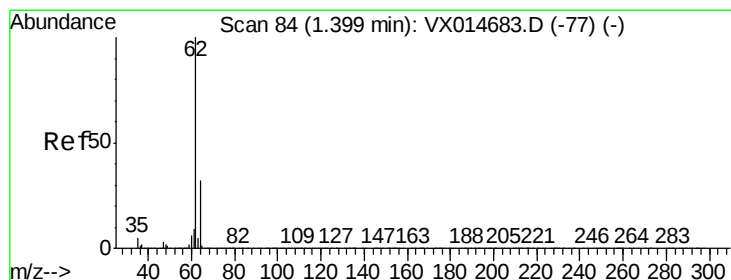
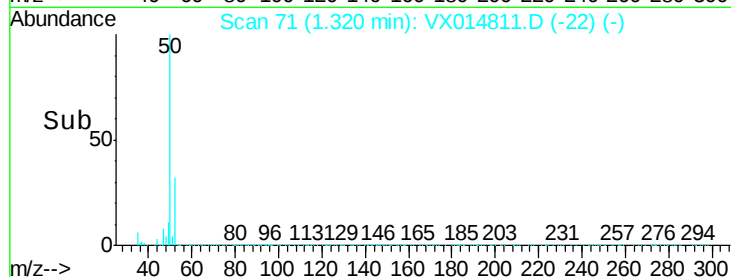
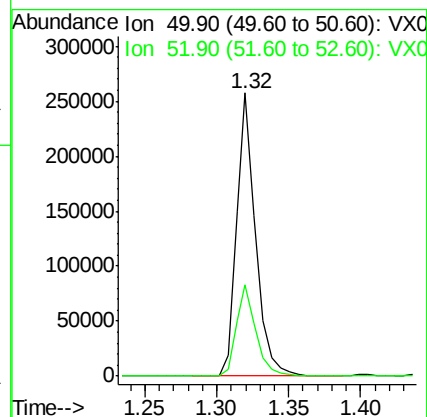
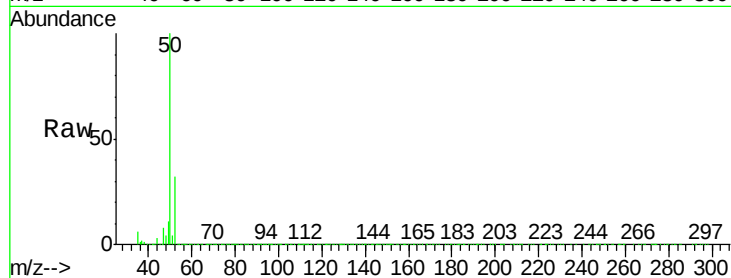
50 100

52 32.2 26.2 39.2

Manual Integrations
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#4

Vinyl Chloride

Concen: 45.266 ug/l

RT: 1.41 min Scan# 85

Delta R.T. 0.01 min

Lab File: VX014811.D

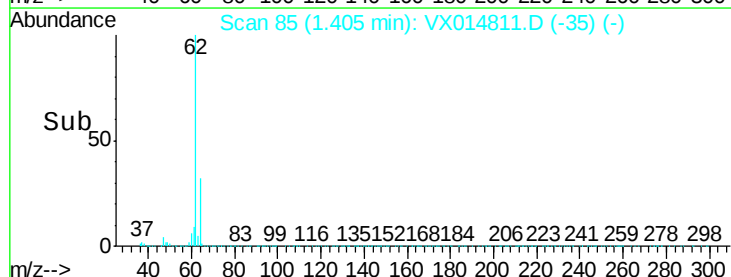
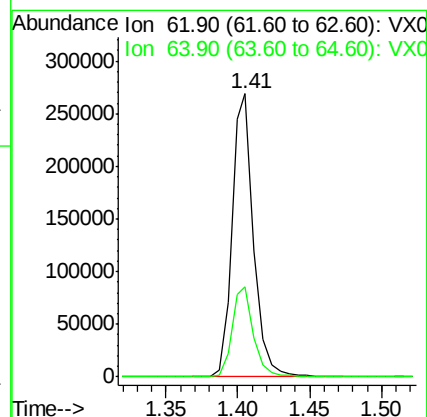
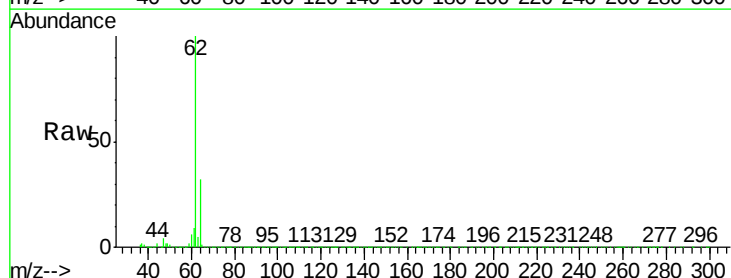
Acq: 05 Feb 2020 09:46

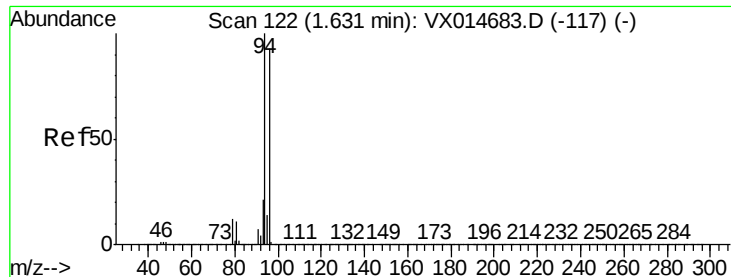
Tgt Ion: 62 Resp: 281170

Ion Ratio Lower Upper

62 100

64 31.7 25.4 38.2





#5

Bromomethane

Concen: 42.158 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.00 min

Lab File: VX014811.D

Acq: 05 Feb 2020 09:46

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ClientSampleId :

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Tot Ion: 94 Resp: 177868

Ion Ratio Lower Upper

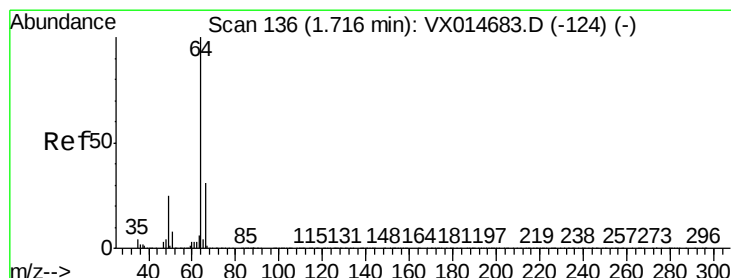
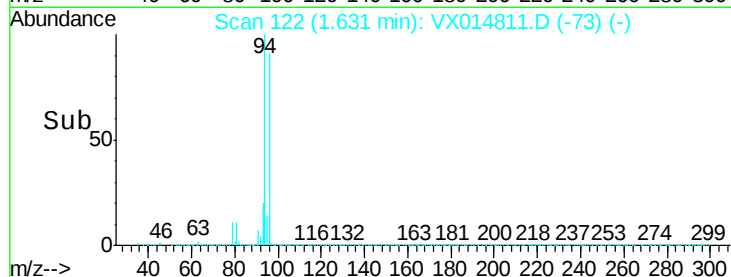
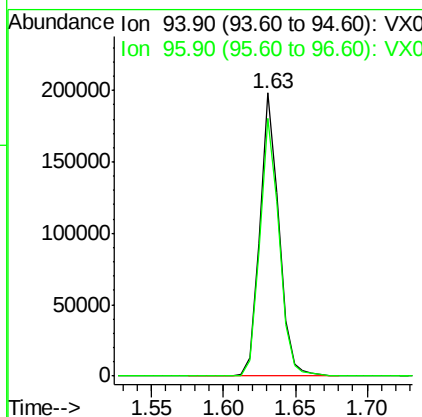
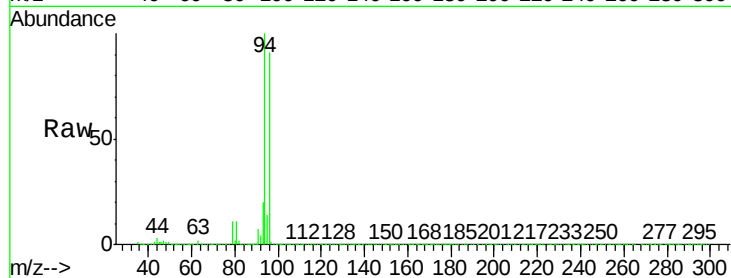
94 100

96 90.8 74.7 112.1

Manual Integrations
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#6

Chloroethane

Concen: 45.042 ug/l

RT: 1.72 min Scan# 136

Delta R.T. 0.00 min

Lab File: VX014811.D

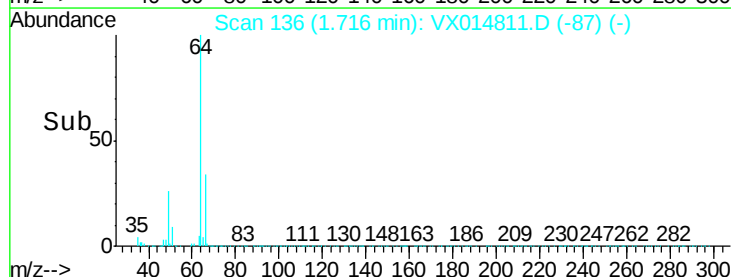
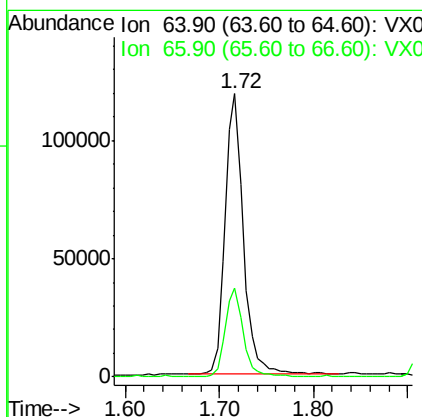
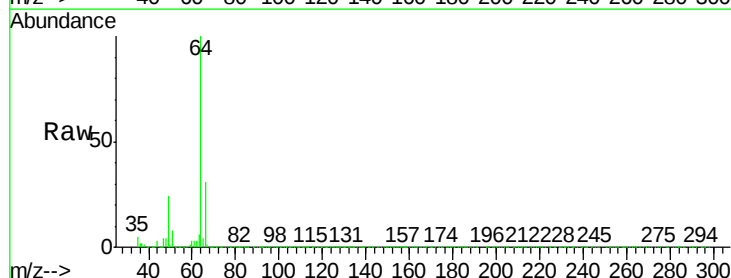
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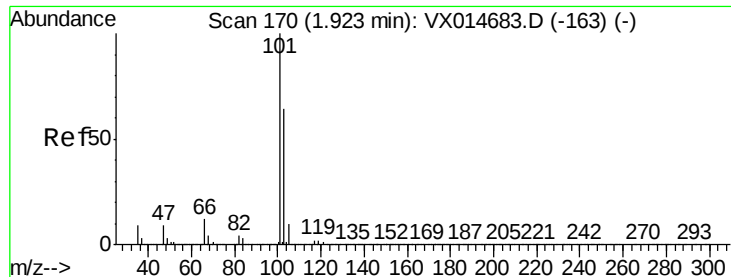
Tgt Ion: 64 Resp: 160557

Ion Ratio Lower Upper

64 100

66 31.2 25.2 37.8





#7

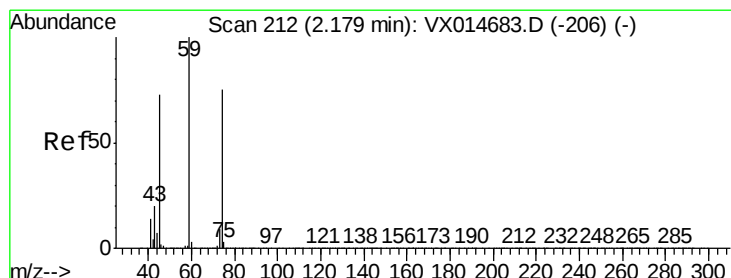
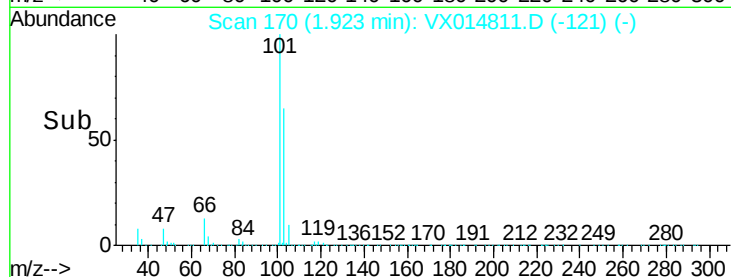
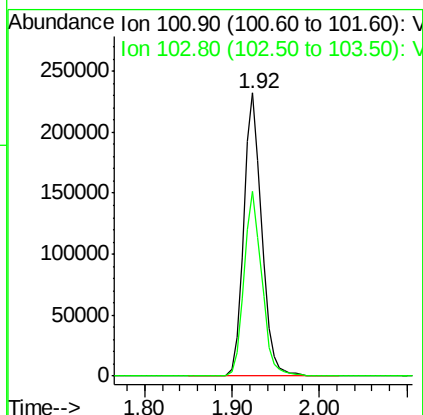
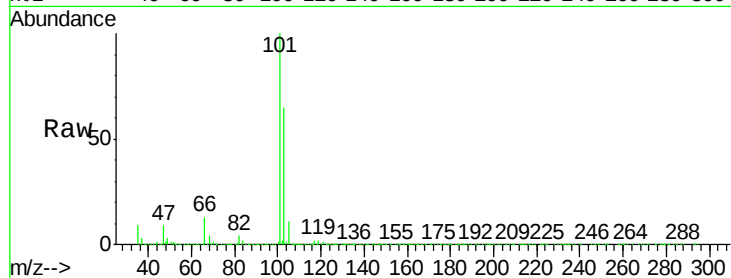
Trichlorofluoromethane
Concen: 45.848 ug/l
RT: 1.92 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX014811.D
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VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		331599		
103	65.3		51.0		76.6

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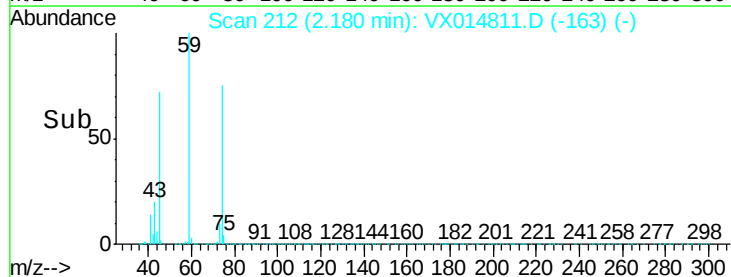
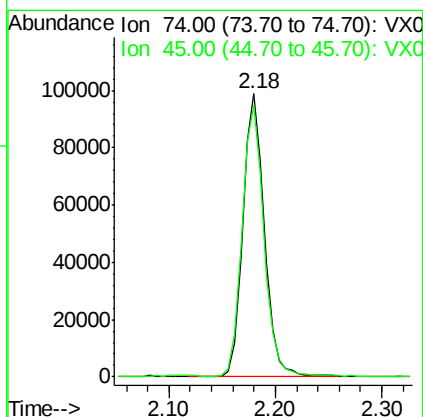
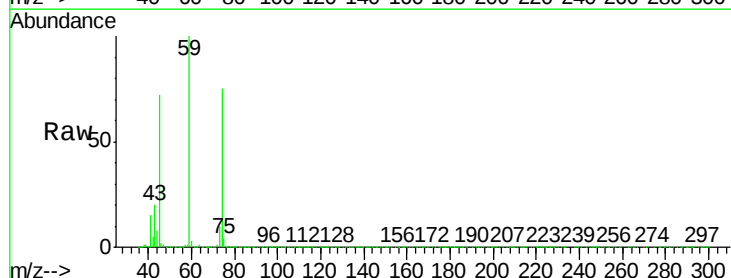
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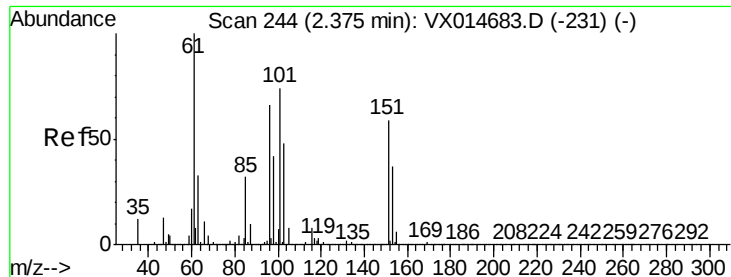


#8

Diethyl Ether
Concen: 44.406 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX014811.D
Acq: 05 Feb 2020 09:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		140185		
45	96.9		49.4		148.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.141 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.00 min

Lab File: VX014811.D

Acq: 05 Feb 2020 09:46

Instrument :

MSVOA_X

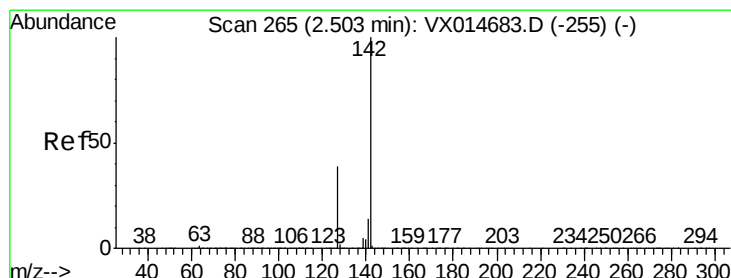
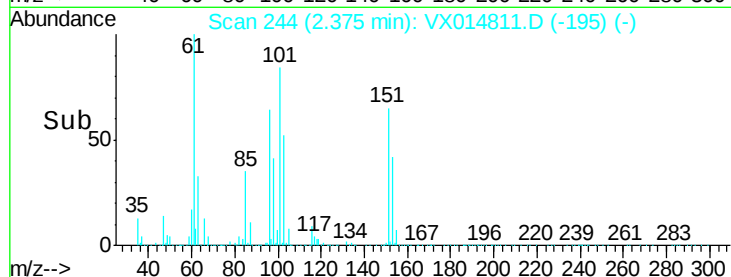
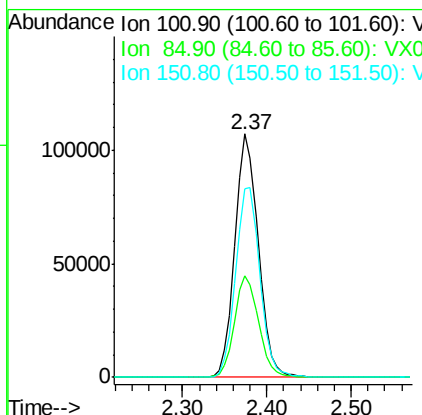
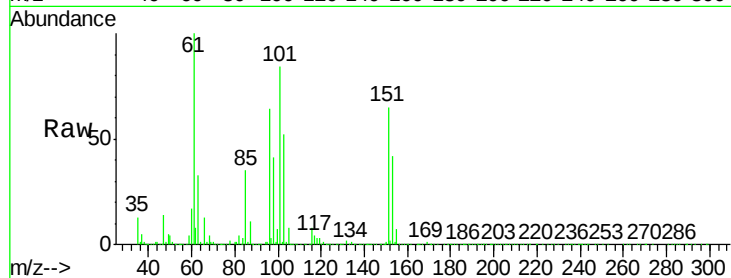
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	200154
Ion Ratio	Lower	Upper	
101	100		
85	43.2	34.7	52.1
151	80.5	64.7	97.1

Manual Integrations
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#10

Methyl Iodide

Concen: 48.522 ug/l

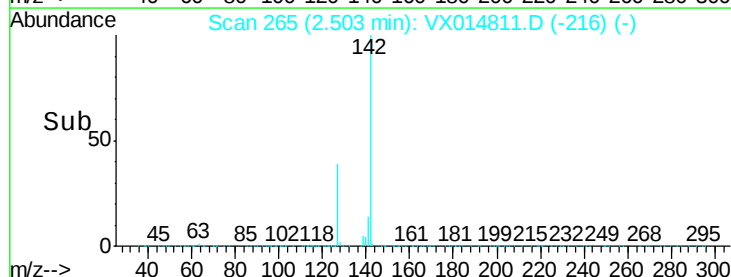
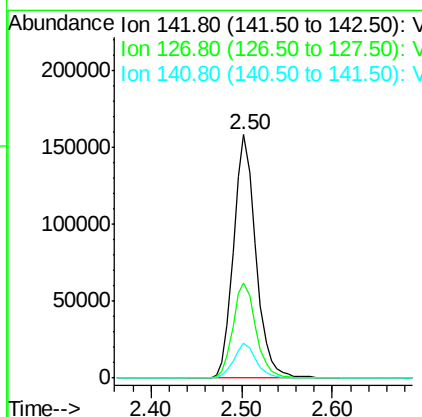
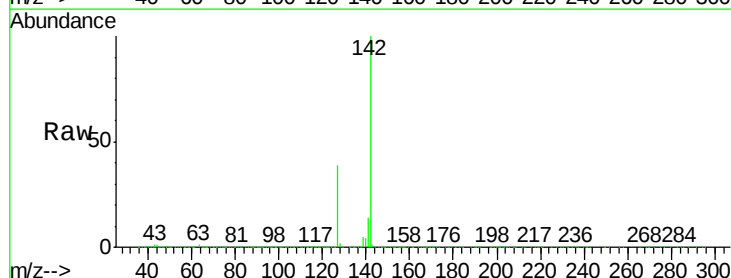
RT: 2.50 min Scan# 265

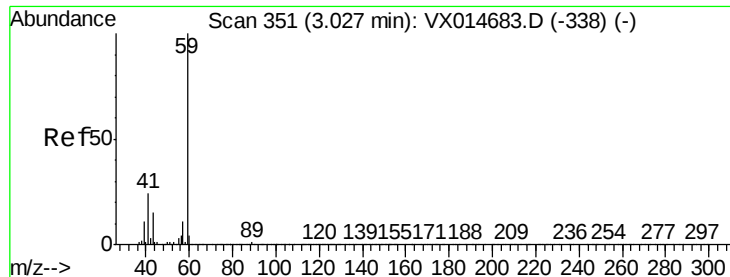
Delta R.T. 0.00 min

Lab File: VX014811.D

Acq: 05 Feb 2020 09:46

Tgt Ion:	142	Resp:	270328
Ion Ratio	Lower	Upper	
142	100		
127	40.2	31.1	46.7
141	14.0	11.3	16.9





#11

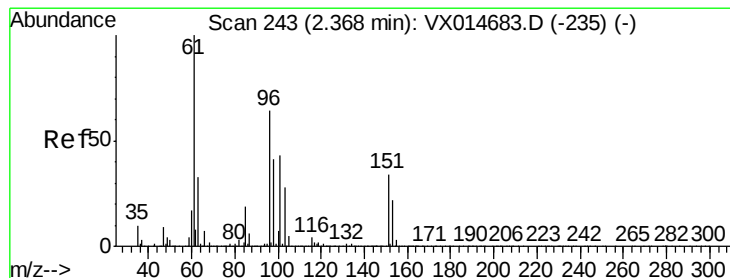
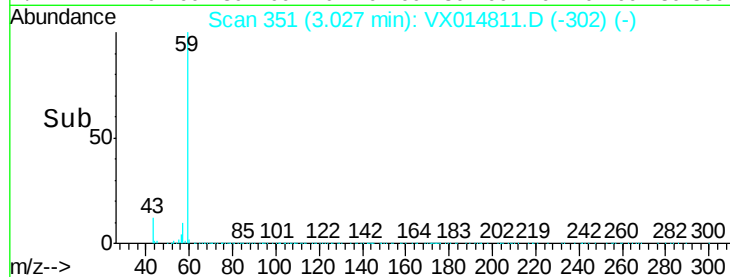
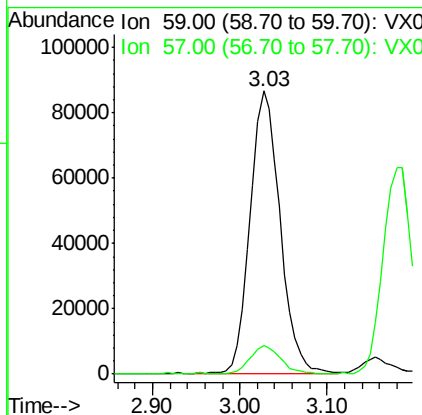
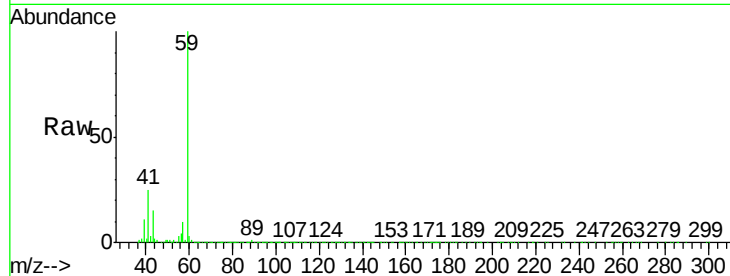
Tert butyl alcohol
Concen: 185.893 ug/l
RT: 3.03 min Scan# 351
Delta R.T. 0.00 min
Lab File: VX014811.D
Acq: 05 Feb 2020 09:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.3	12.5

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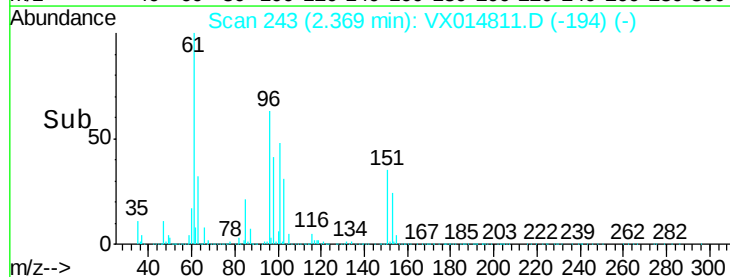
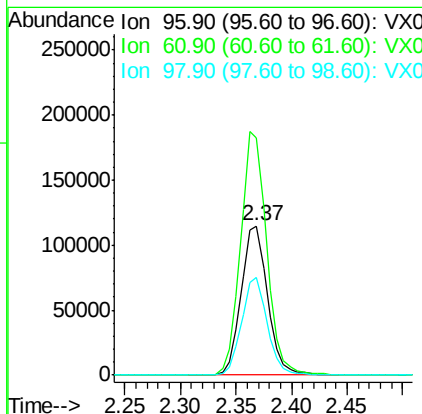
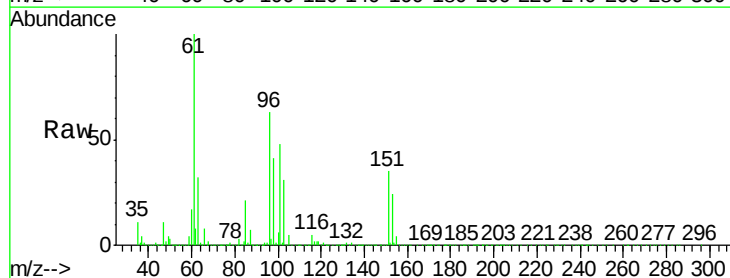
MMDadoda
2/6/2020 1:32:21 PM

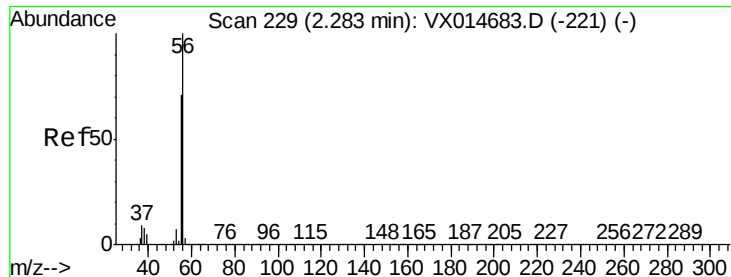


#12

1,1-Dichloroethene
Concen: 44.596 ug/l
RT: 2.37 min Scan# 243
Delta R.T. 0.00 min
Lab File: VX014811.D
Acq: 05 Feb 2020 09:46

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.0	125.8	188.8
98	65.4	51.5	77.3





#13

Acrolein

Concen: 258.449 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX014811.D

Acq: 05 Feb 2020 09:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 226879

Ion Ratio Lower Upper

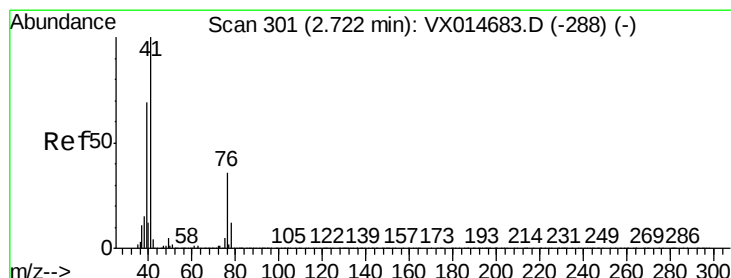
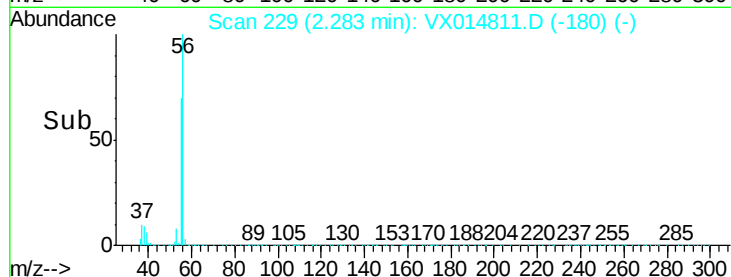
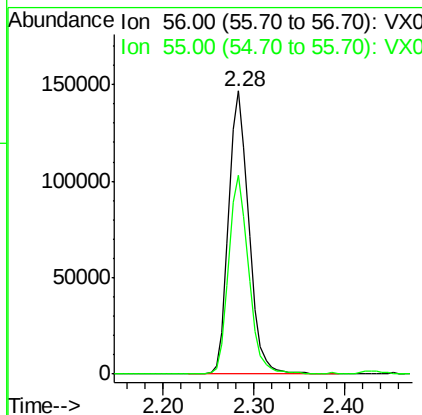
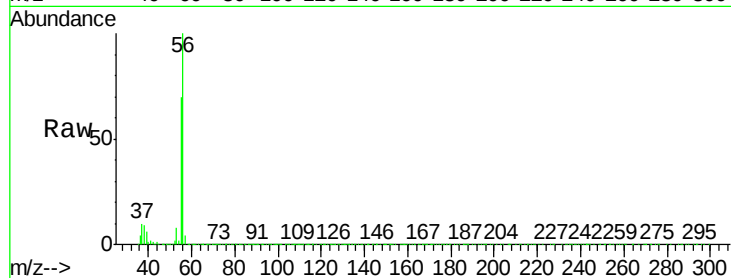
56 100

55 69.1 56.6 84.8

Manual Integrations
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#14

Allyl chloride

Concen: 44.991 ug/l

RT: 2.72 min Scan# 301

Delta R.T. 0.00 min

Lab File: VX014811.D

Acq: 05 Feb 2020 09:46

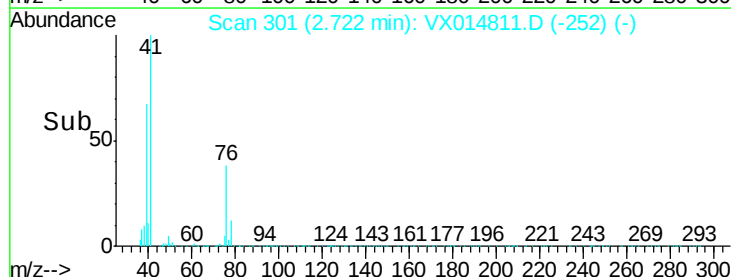
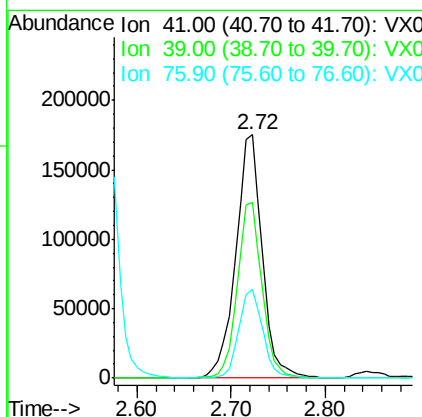
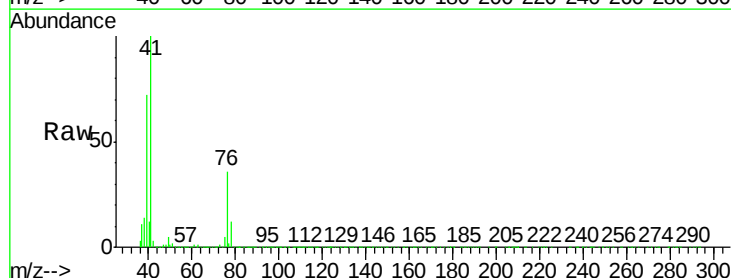
Tgt Ion: 41 Resp: 341381

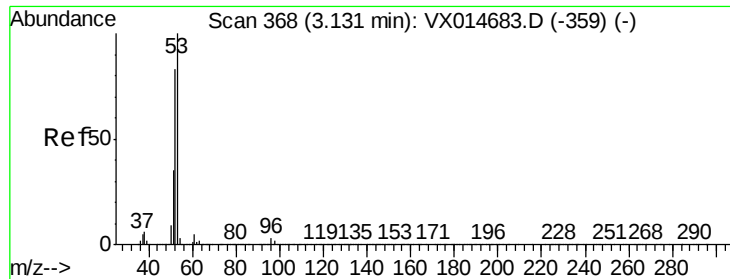
Ion Ratio Lower Upper

41 100

39 66.9 52.0 78.0

76 32.9 26.0 39.0





#15

Acrylonitrile

Concen: 219.603 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX014811.D

Acq: 05 Feb 2020 09:46

Instrument :

MSVOA_X

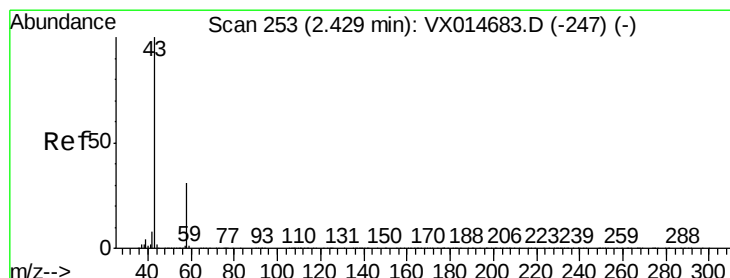
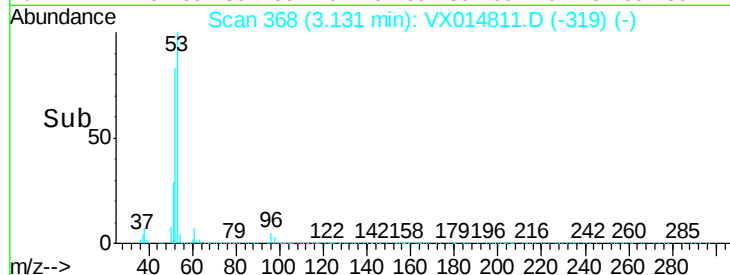
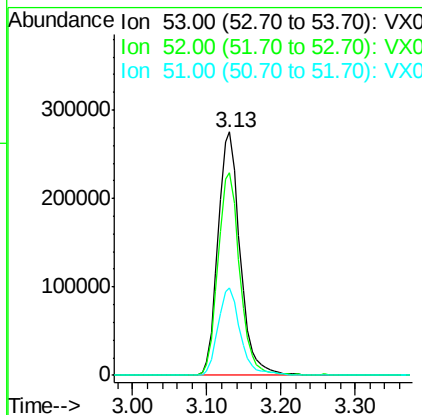
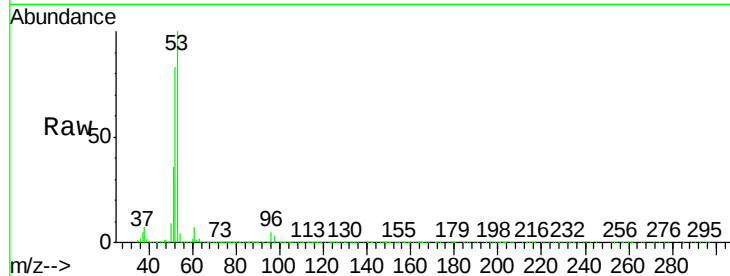
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	565702
Ion Ratio	Lower	Upper	
53	100		
52	82.1	66.4	99.6
51	35.9	28.7	43.1

Manual Integrations
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#16

Acetone

Concen: 241.665 ug/l

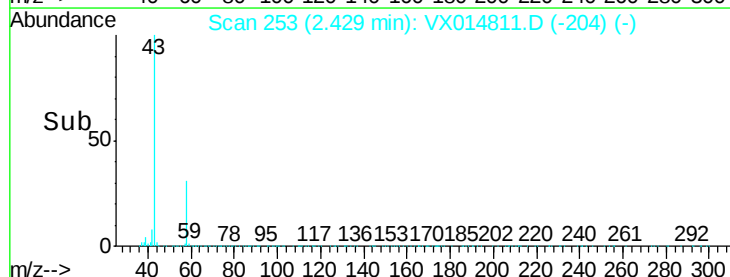
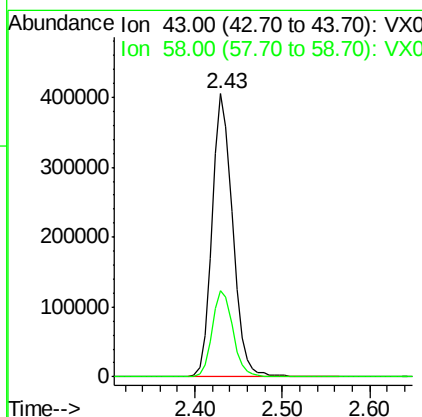
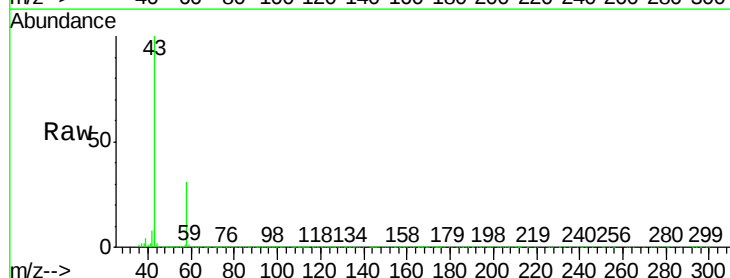
RT: 2.43 min Scan# 253

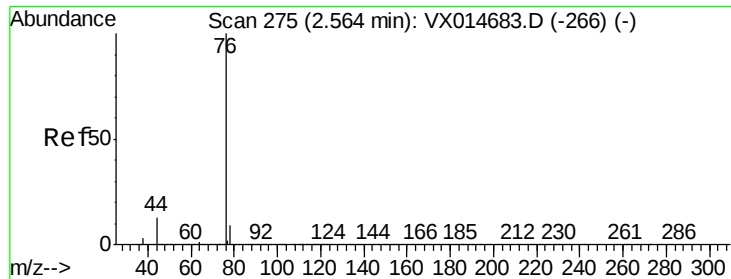
Delta R.T. 0.00 min

Lab File: VX014811.D

Acq: 05 Feb 2020 09:46

Tgt Ion:	43	Resp:	656796
Ion Ratio	Lower	Upper	
43	100		
58	30.6	24.5	36.7





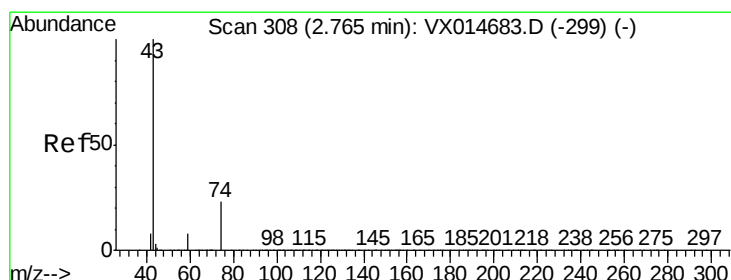
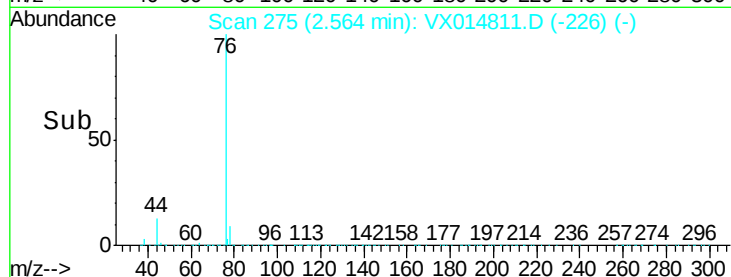
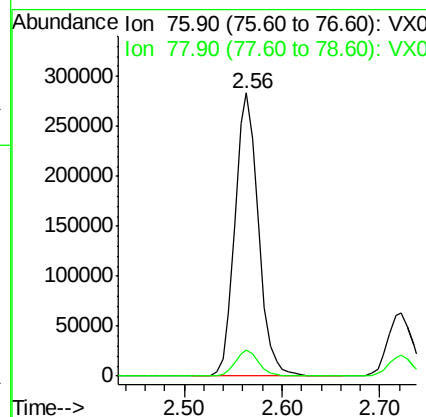
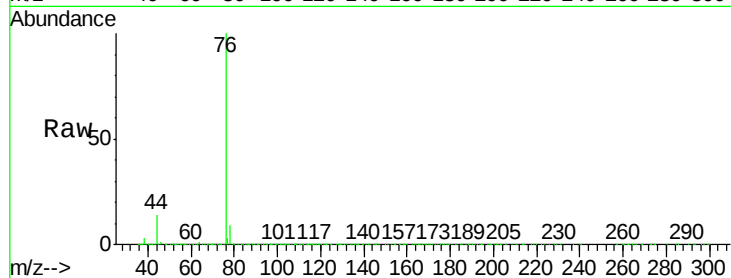
#17
Carbon Disulfide
Concen: 40.796 ug/l
RT: 2.56 min Scan# 275
Delta R.T. 0.00 min
Lab File: VX014811.D
Acq: 05 Feb 2020 09:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.2	10.8

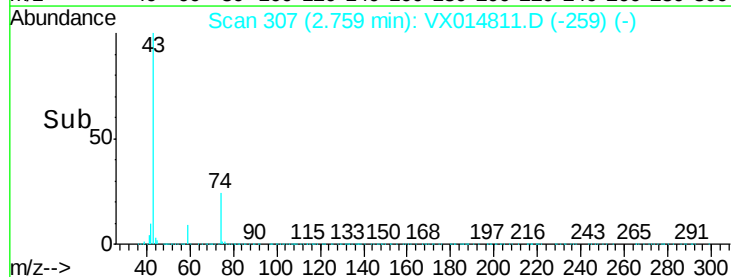
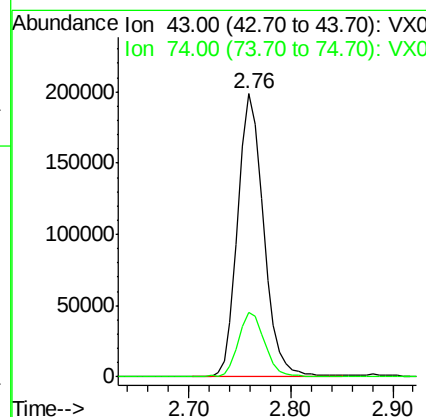
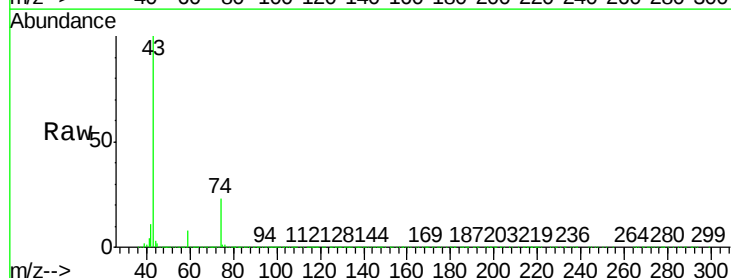
Manual Integrations
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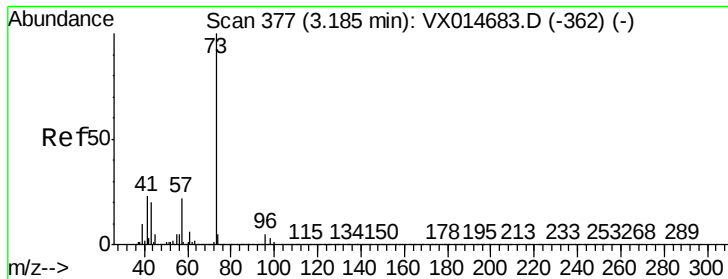
MMDadoda
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#18
Methyl Acetate
Concen: 44.951 ug/l
RT: 2.76 min Scan# 307
Delta R.T. -0.01 min
Lab File: VX014811.D
Acq: 05 Feb 2020 09:46

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.2	18.5	27.7





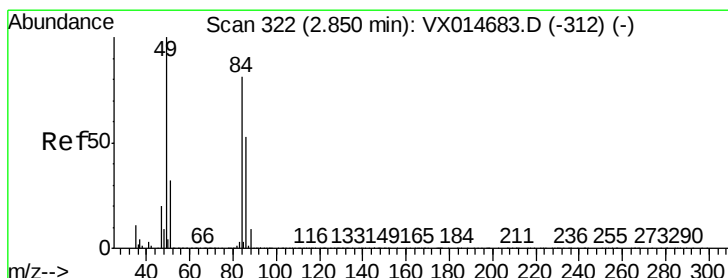
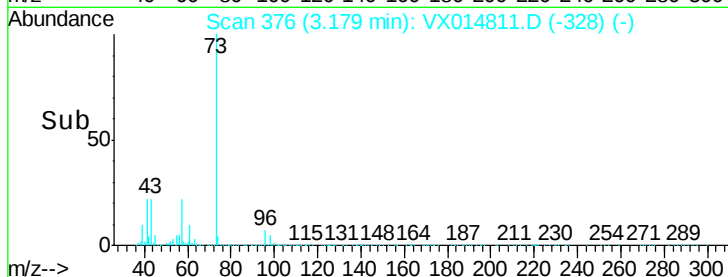
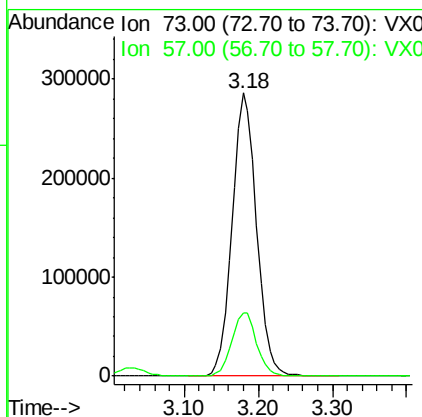
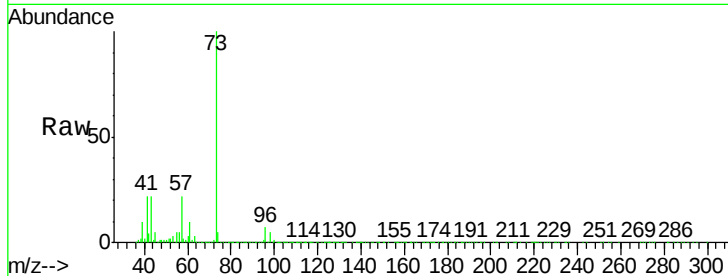
#19
Methvl tert-butvl Ether
Concen: 47.406 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.01 min
Lab File: VX014811.D
Acq: 05 Feb 2020 09:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.1	18.0	27.0

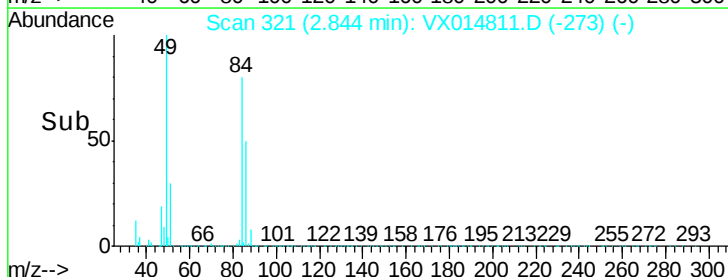
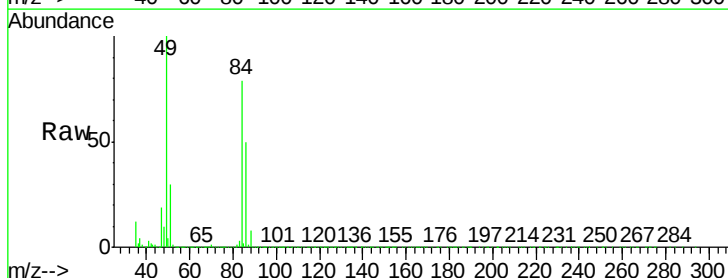
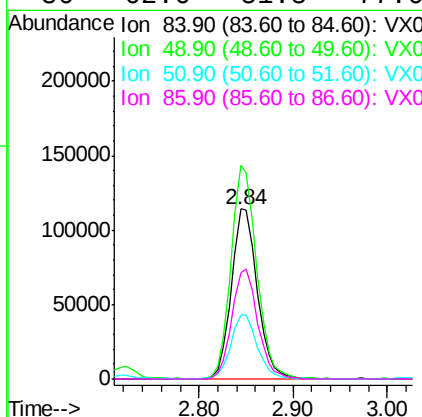
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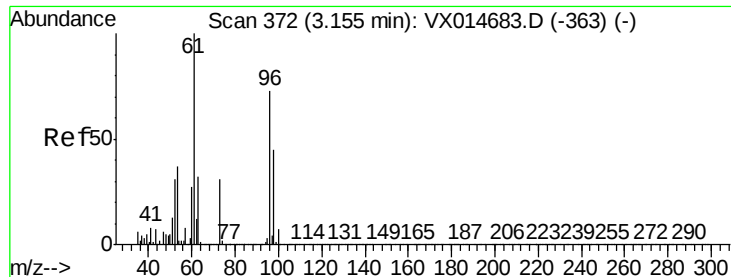
MMDadoda
2/6/2020 1:32:21 PM



#20
Methylene Chloride
Concen: 43.406 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.01 min
Lab File: VX014811.D
Acq: 05 Feb 2020 09:46

Tgt Ion	Ratio	Lower	Upper
84	100		
49	125.7	98.2	147.4
51	37.8	31.3	46.9
86	62.6	51.8	77.6





#21

trans-1,2-Dichloroethene

Concen: 43.980 ug/l

RT: 3.15 min Scan# 372

Delta R.T. 0.00 min

Lab File: VX014811.D

Acq: 05 Feb 2020 09:46

Instrument :

MSVOA_X

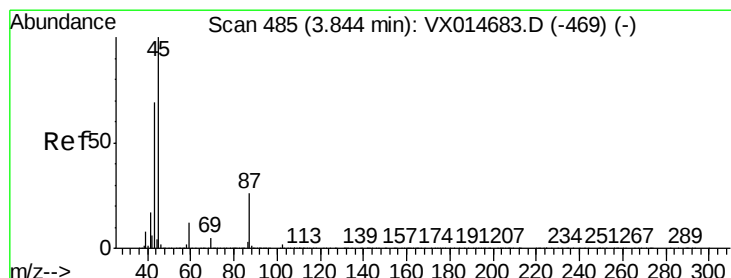
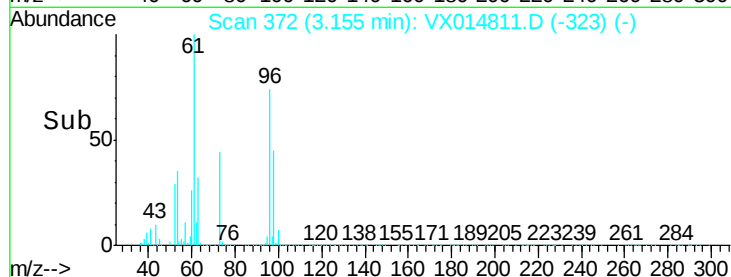
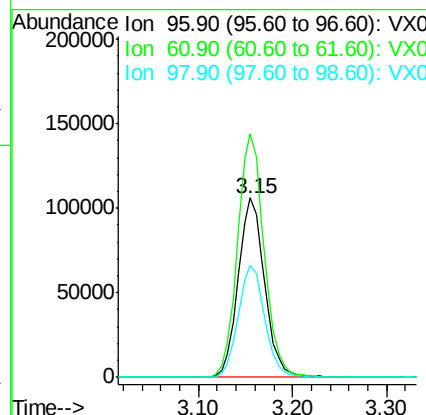
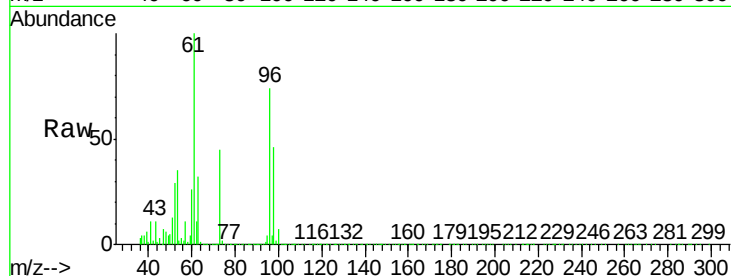
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	204421
Ion Ratio	Lower	Upper	
96	100		
61	135.6	109.8	164.6
98	61.8	49.6	74.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 47.008 ug/l

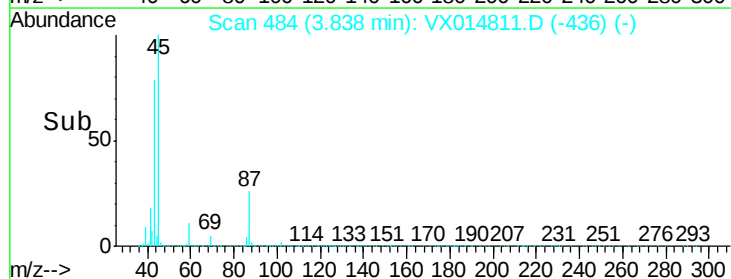
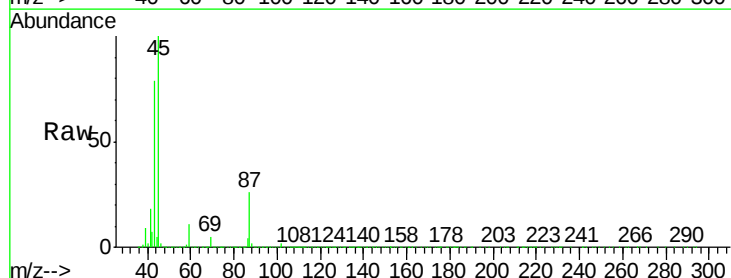
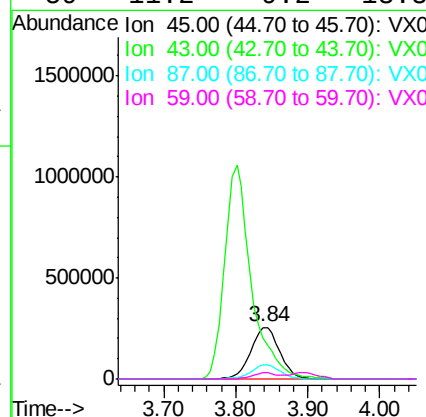
RT: 3.84 min Scan# 484

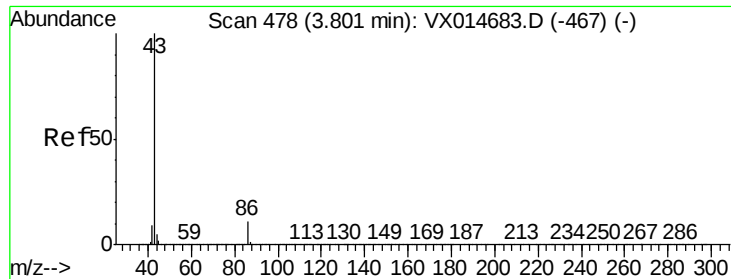
Delta R.T. -0.01 min

Lab File: VX014811.D

Acq: 05 Feb 2020 09:46

Tgt Ion:	45	Resp:	709654
Ion Ratio	Lower	Upper	
45	100		
43	78.9	55.1	82.7
87	26.2	20.7	31.1
59	11.2	9.2	13.8





#23

Vinyl Acetate

Concen: 238.833 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX014811.D

Acq: 05 Feb 2020 09:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2748451

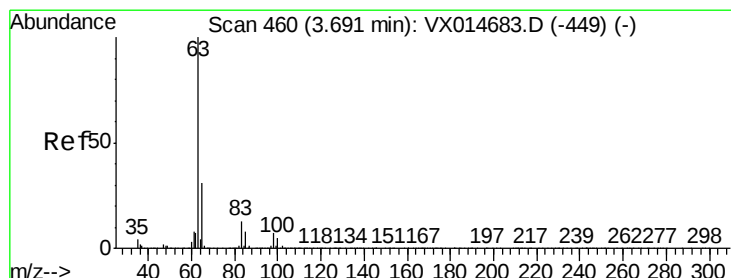
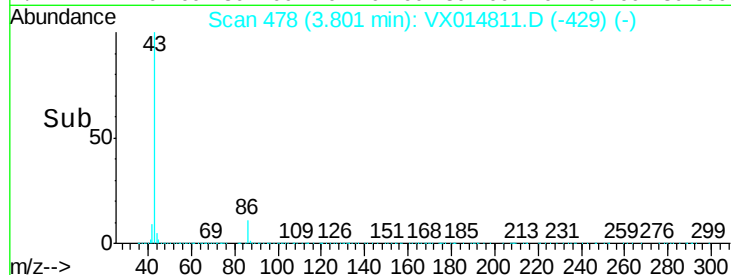
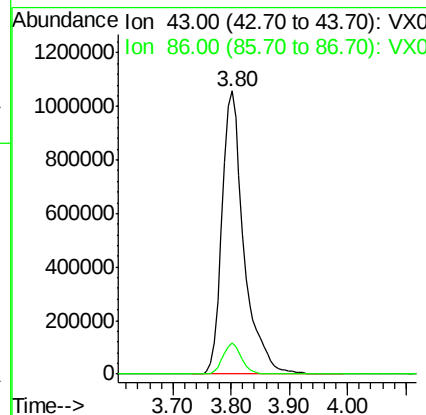
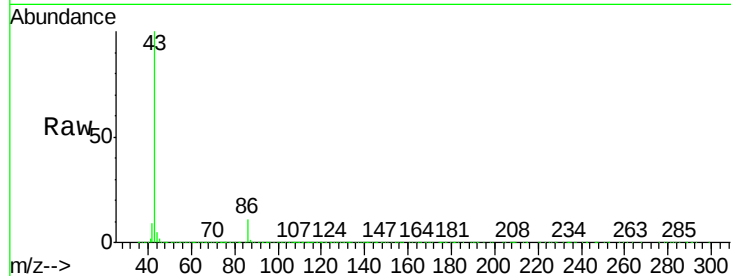
Ion Ratio Lower Upper

43 100

86 10.9 8.4 12.6

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 45.759 ug/l

RT: 3.69 min Scan# 459

Delta R.T. -0.01 min

Lab File: VX014811.D

Acq: 05 Feb 2020 09:46

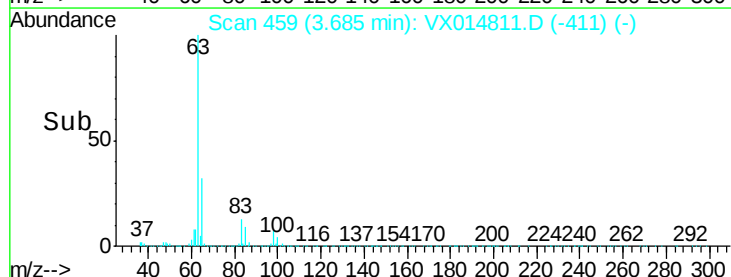
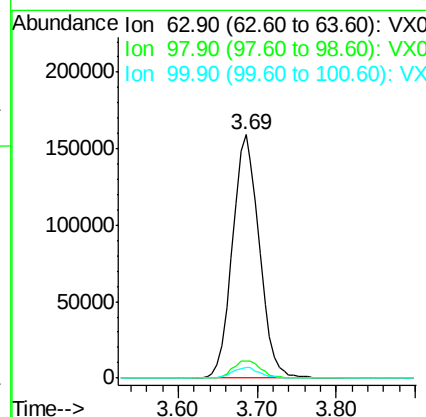
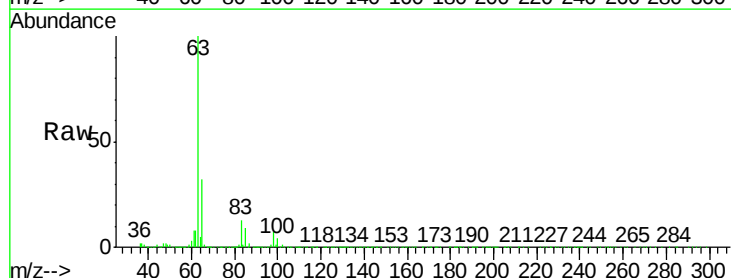
Tgt Ion: 63 Resp: 375154

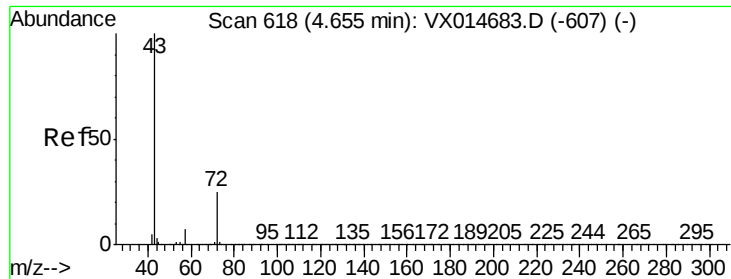
Ion Ratio Lower Upper

63 100

98 7.1 3.6 10.8

100 4.4 2.2 6.6





#25

2-Butanone

Concen: 222.404 ug/l

RT: 4.65 min Scan# 618

Delta R.T. 0.00 min

Lab File: VX014811.D

Acq: 05 Feb 2020 09:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 866042

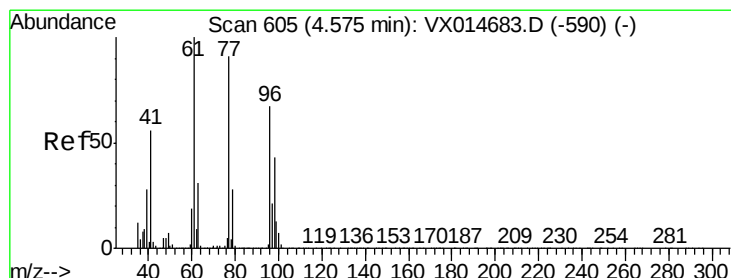
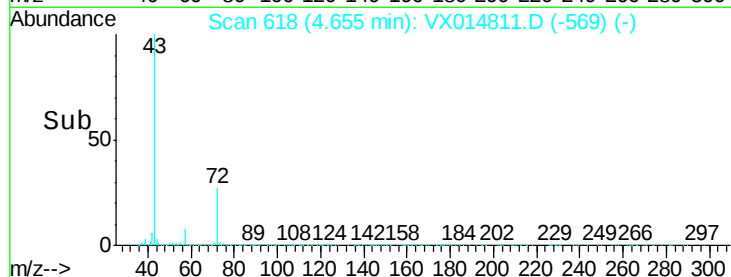
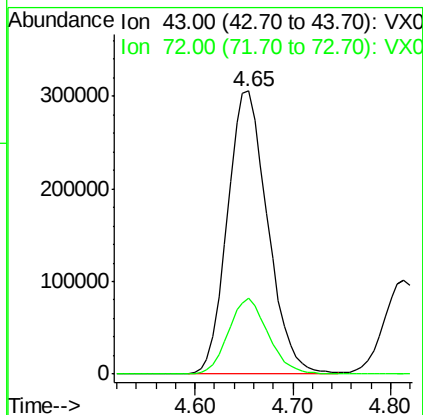
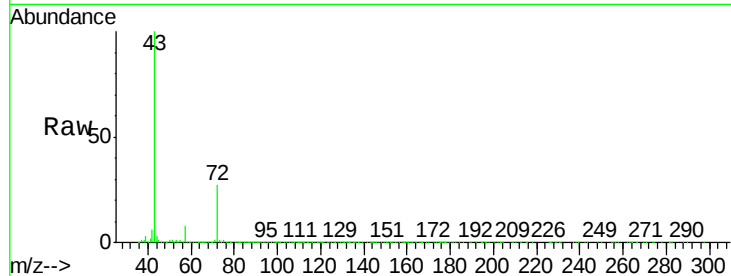
Ion Ratio Lower Upper

43 100

72 26.5 19.9 29.9

Manual Integrations
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2/6/2020 1:32:21 PM



#26

2,2-Dichloropropane

Concen: 48.420 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.01 min

Lab File: VX014811.D

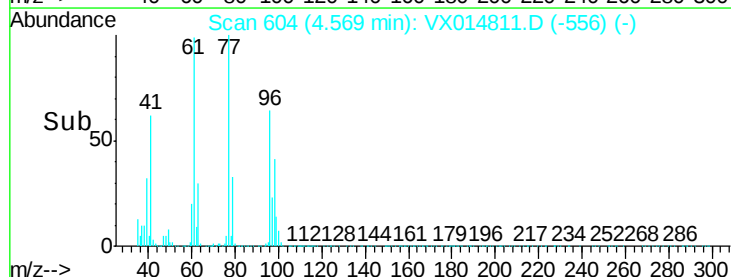
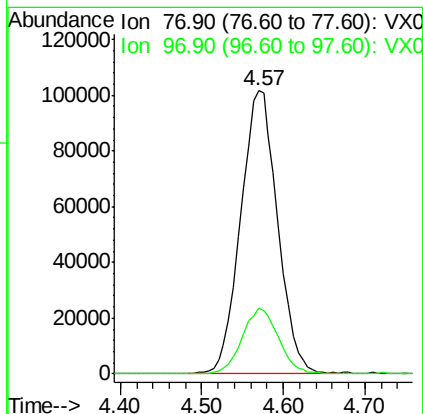
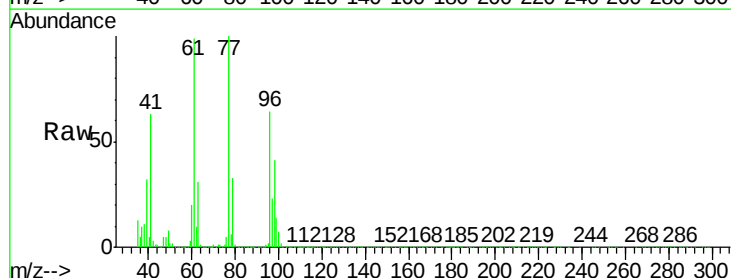
Acq: 05 Feb 2020 09:46

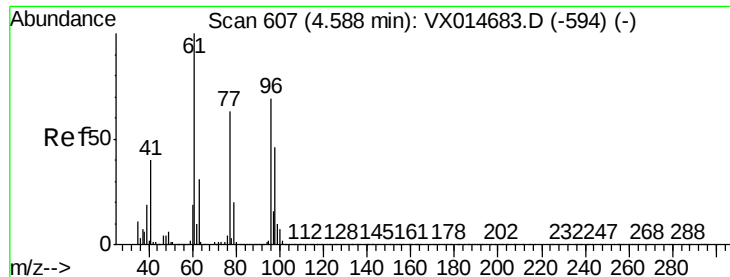
Tgt Ion: 77 Resp: 317742

Ion Ratio Lower Upper

77 100

97 23.2 11.8 35.3





#27

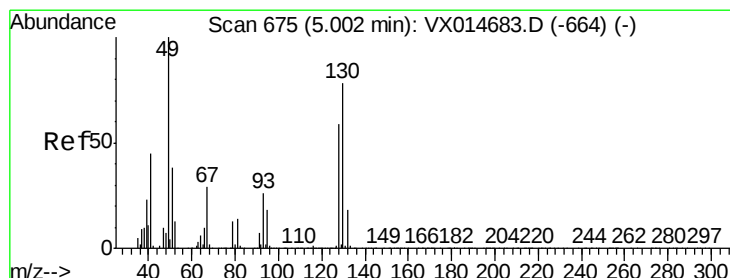
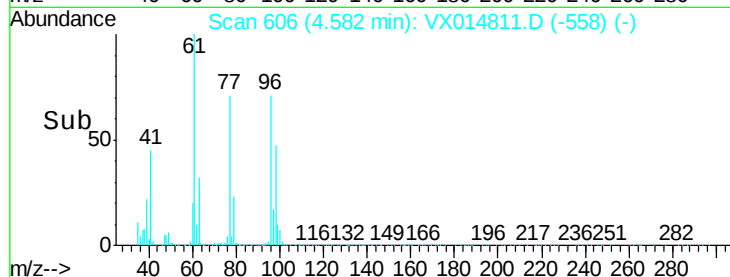
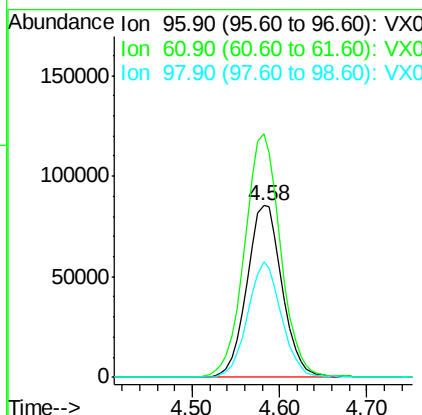
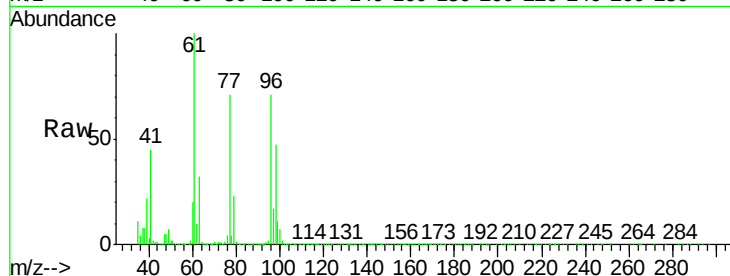
cis-1,2-Dichloroethene
Concen: 45.783 ug/l
RT: 4.58 min Scan# 606
Delta R.T. -0.01 min
Lab File: VX014811.D
Acq: 05 Feb 2020 09:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	238168		
61	144.6	0.0	291.0	
98	64.4	0.0	129.8	

Manual Integrations
APPROVED

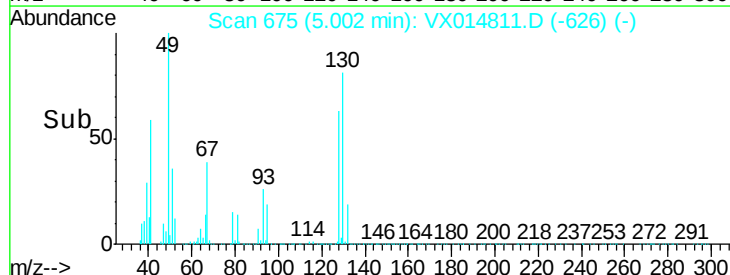
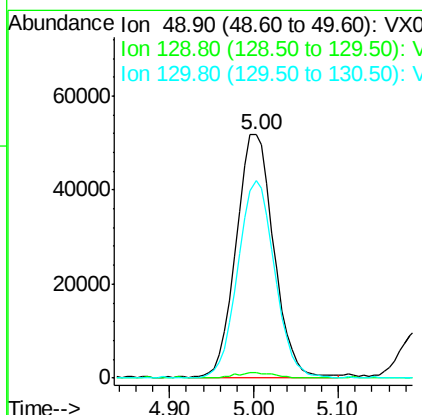
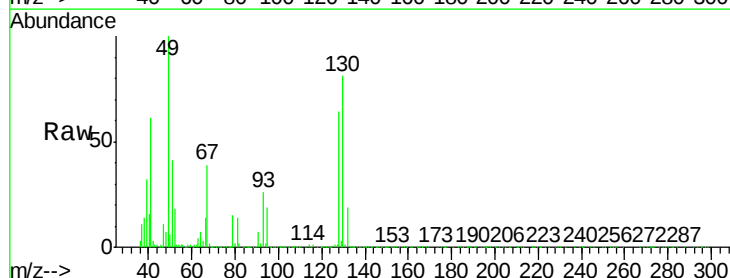
MMDadoda
2/6/2020 1:32:21 PM

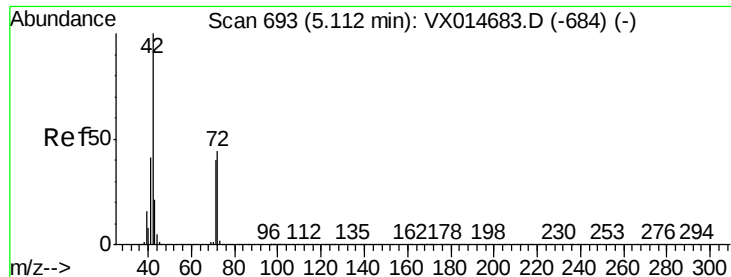


#28

Bromochloromethane
Concen: 43.244 ug/l
RT: 5.00 min Scan# 675
Delta R.T. 0.00 min
Lab File: VX014811.D
Acq: 05 Feb 2020 09:46

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	155795		
129	2.6	0.0	4.8	
130	79.7	62.4	93.6	





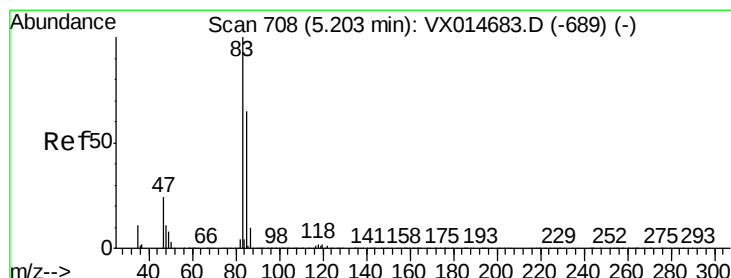
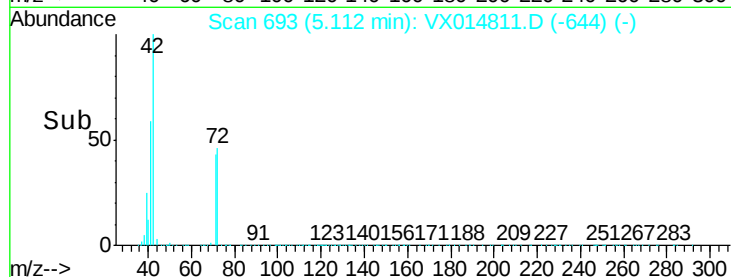
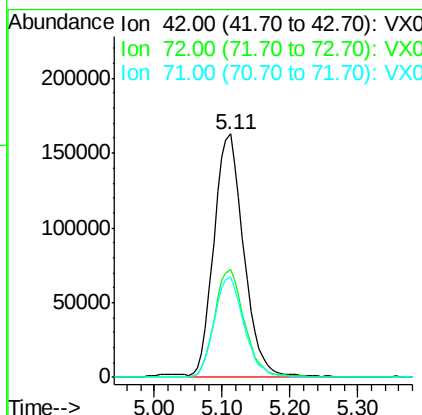
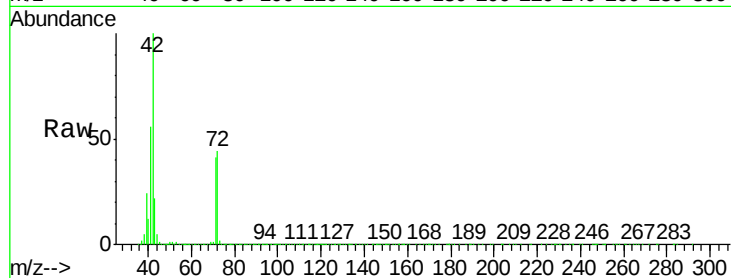
#29
Tetrahydrofuran
Concen: 213.313 ug/l
RT: 5.11 min Scan# 693
Delta R.T. 0.00 min
Lab File: VX014811.D
Acq: 05 Feb 2020 09:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.8	35.3	52.9
71	41.6	33.1	49.7

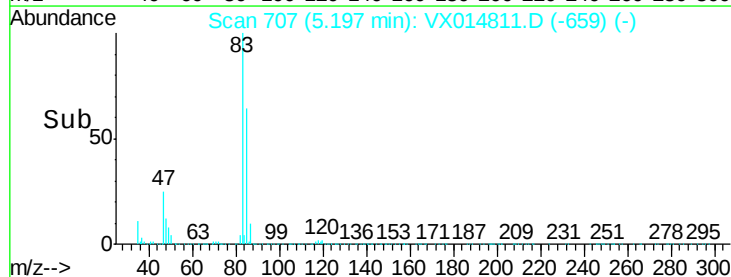
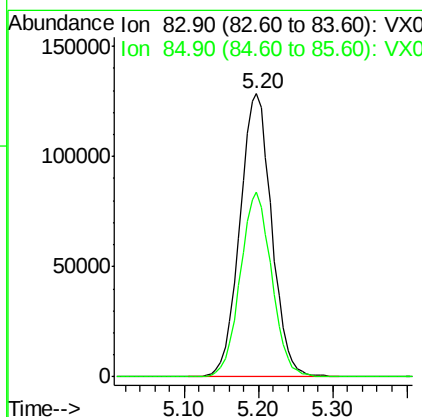
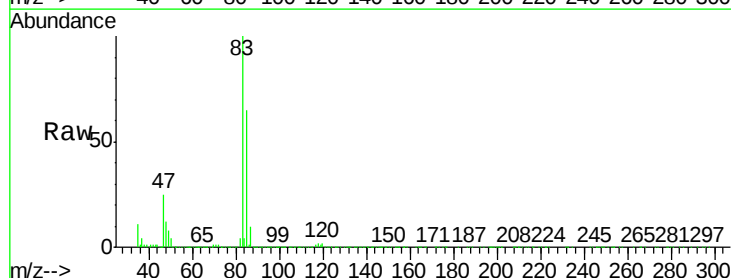
Manual Integrations
APPROVED

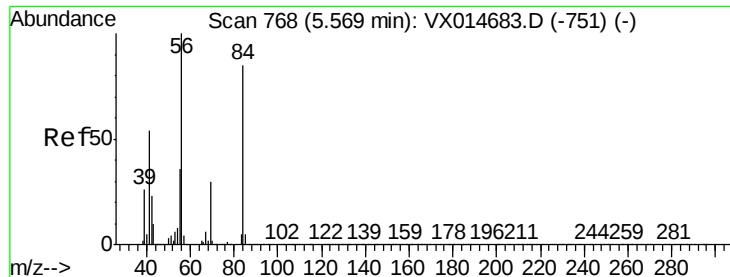
MMDadoda
2/6/2020 1:32:21 PM



#30
Chloroform
Concen: 47.427 ug/l
RT: 5.20 min Scan# 707
Delta R.T. -0.01 min
Lab File: VX014811.D
Acq: 05 Feb 2020 09:46

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.7	77.5





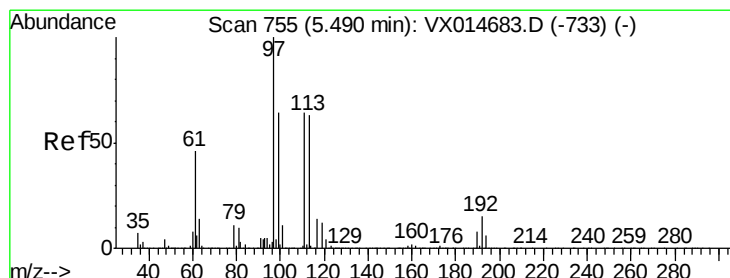
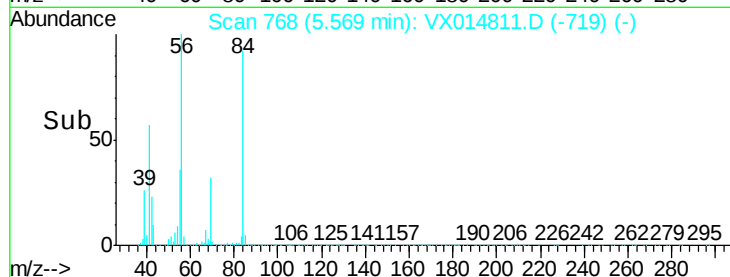
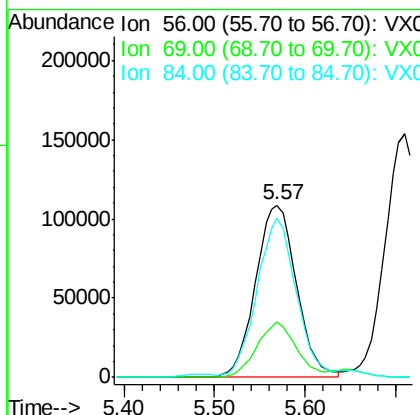
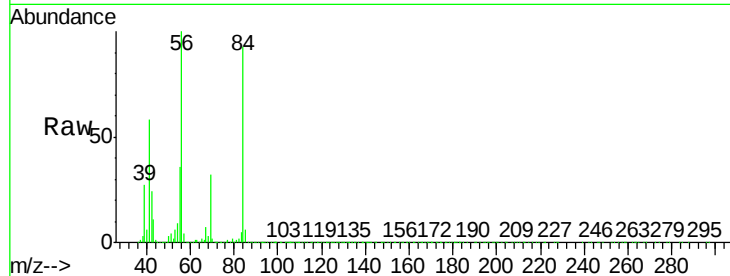
#31
Cyclohexane
Concen: 43.735 ug/l
RT: 5.57 min Scan# 768
Delta R.T. 0.00 min
Lab File: VX014811.D
Acq: 05 Feb 2020 09:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.8	23.4	35.2
84	91.2	68.4	102.6

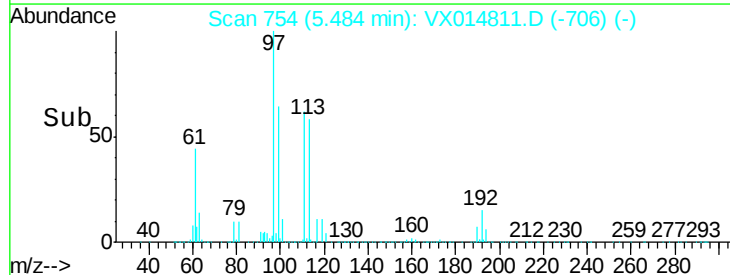
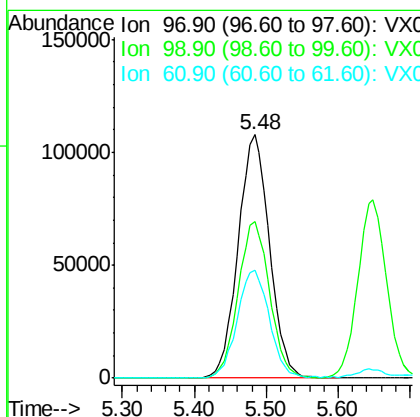
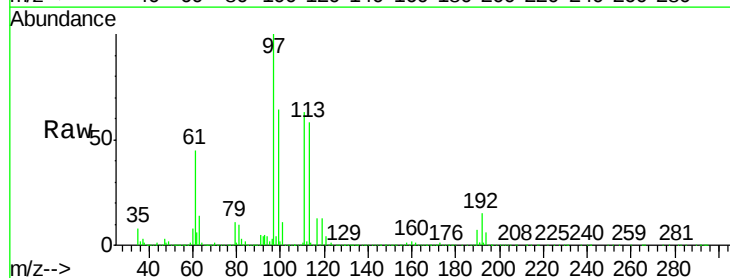
Manual Integrations
APPROVED

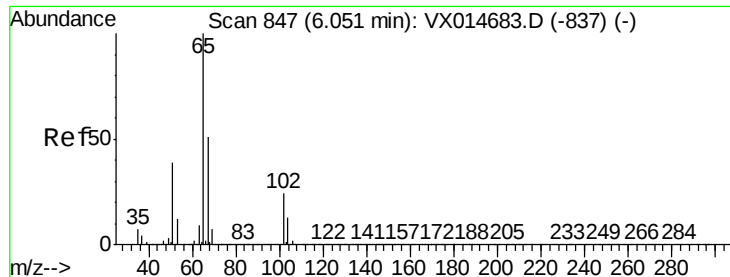
MMDadoda
2/6/2020 1:32:21 PM



#32
1,1,1-Trichloroethane
Concen: 47.419 ug/l
RT: 5.48 min Scan# 754
Delta R.T. -0.01 min
Lab File: VX014811.D
Acq: 05 Feb 2020 09:46

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	52.3	78.5
61	45.1	37.2	55.8





#33

1,2-Dichloroethane-d4

Concen: 45.403 ug/l

RT: 6.04 min Scan# 846

Delta R.T. -0.01 min

Lab File: VX014811.D

Acq: 05 Feb 2020 09:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 225155

Ion Ratio Lower Upper

65 100

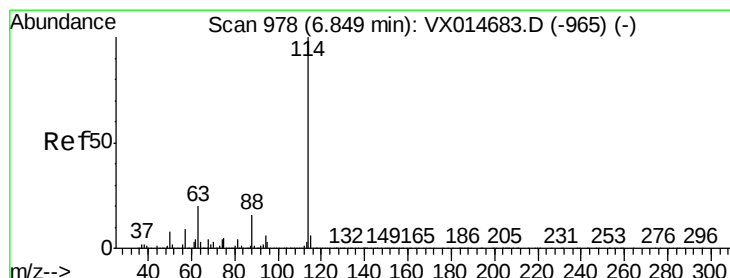
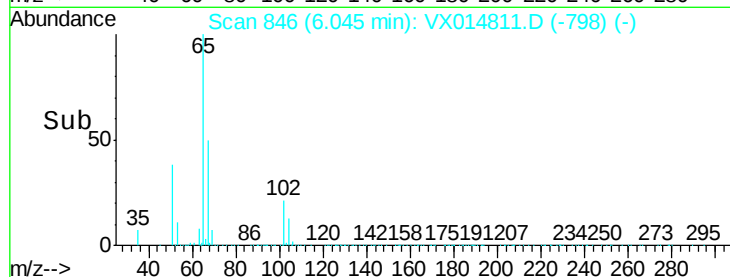
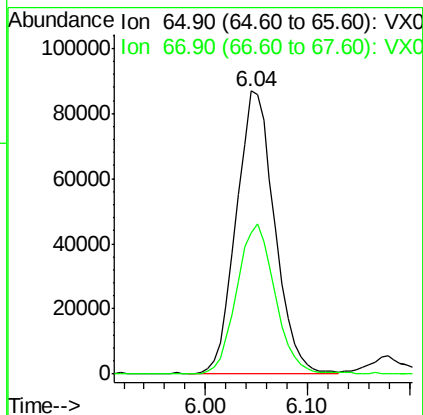
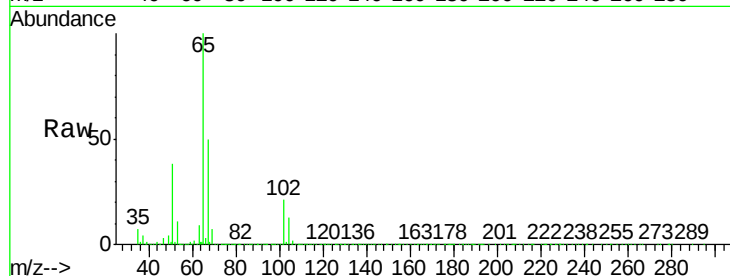
67 52.7 0.0 107.4

Manual Integrations

APPROVED

MMDadoda

2/6/2020 1:32:21 PM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX014811.D

Acq: 05 Feb 2020 09:46

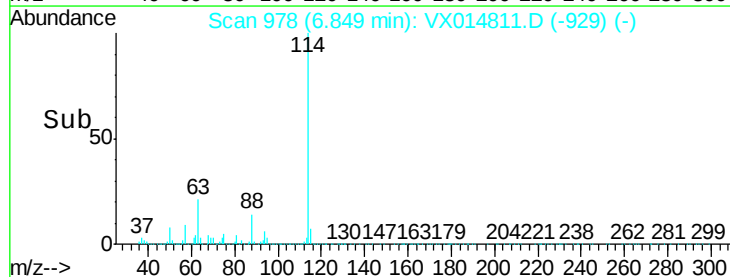
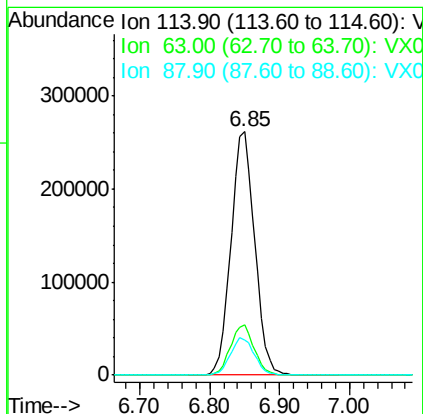
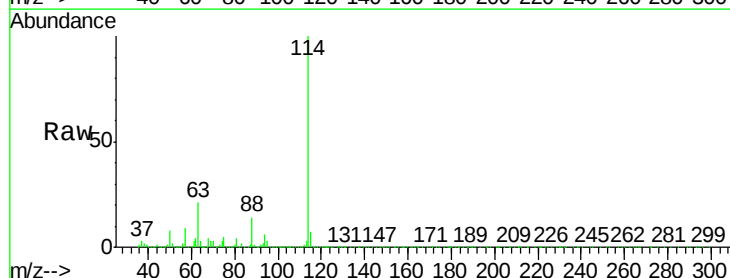
Tgt Ion: 114 Resp: 615898

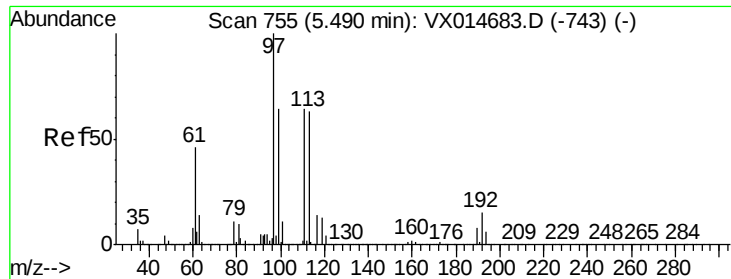
Ion Ratio Lower Upper

114 100

63 20.6 0.0 40.6

88 14.4 0.0 31.2





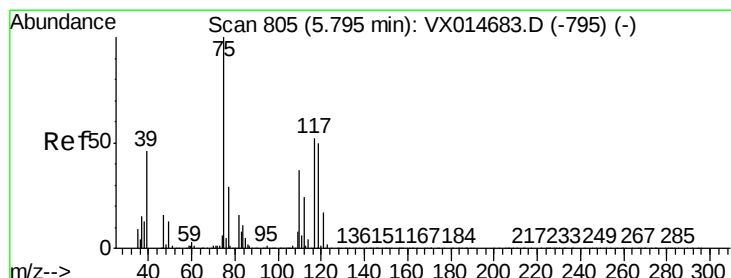
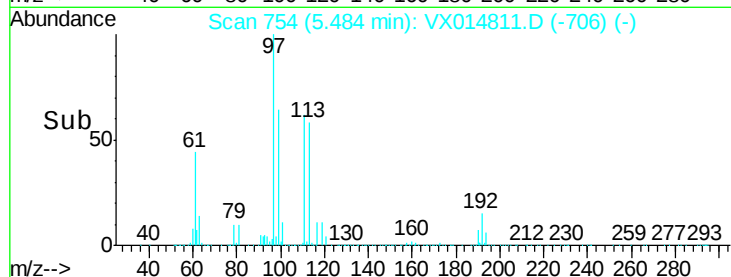
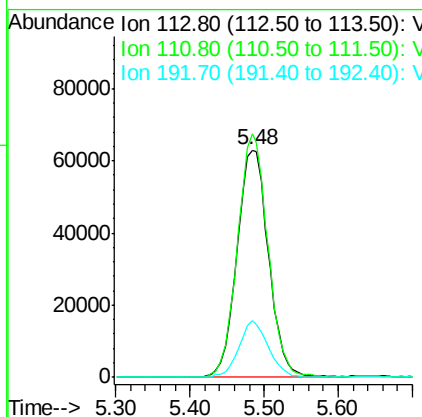
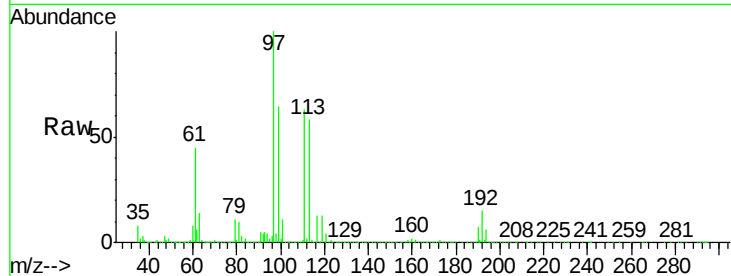
#35
Dibromofluoromethane
Concen: 48.310 ug/l
RT: 5.48 min Scan# 754
Delta R.T. -0.01 min
Lab File: VX014811.D
Acq: 05 Feb 2020 09:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	80.7	121.1
192	23.4	18.5	27.7

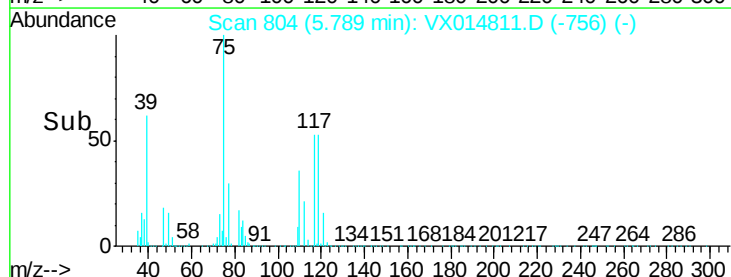
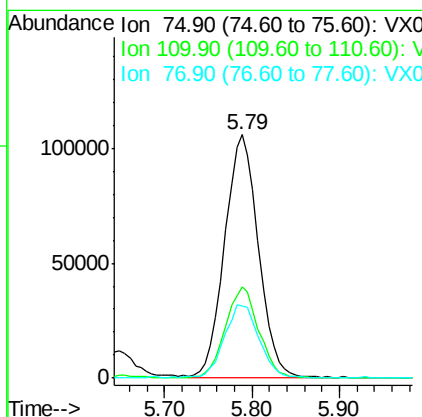
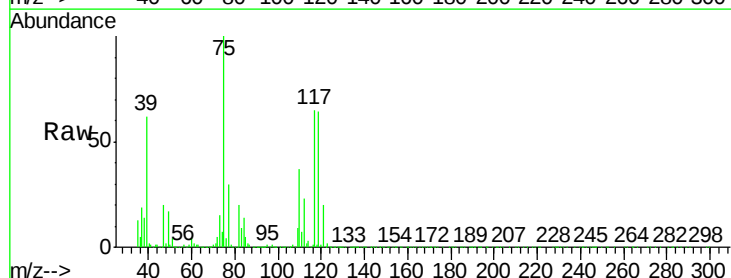
Manual Integrations
APPROVED

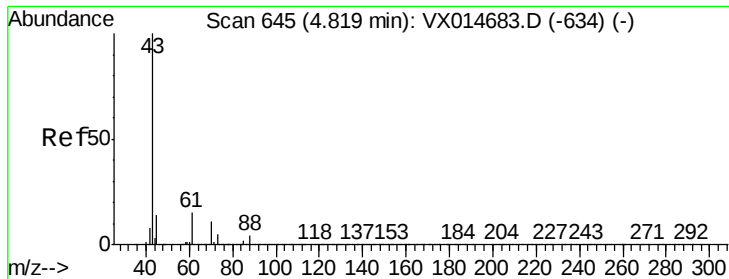
MMDadoda
2/6/2020 1:32:21 PM



#36
1,1-Dichloropropene
Concen: 49.302 ug/l
RT: 5.79 min Scan# 804
Delta R.T. -0.01 min
Lab File: VX014811.D
Acq: 05 Feb 2020 09:46

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.1	17.9	53.7
77	30.9	24.1	36.1





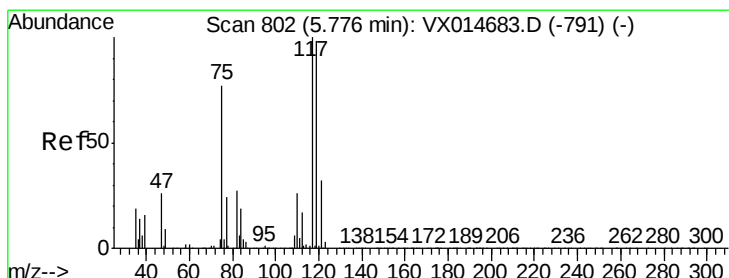
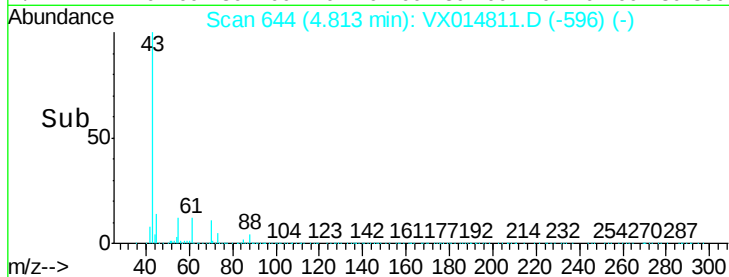
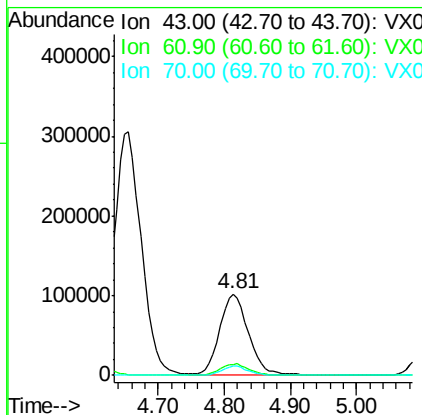
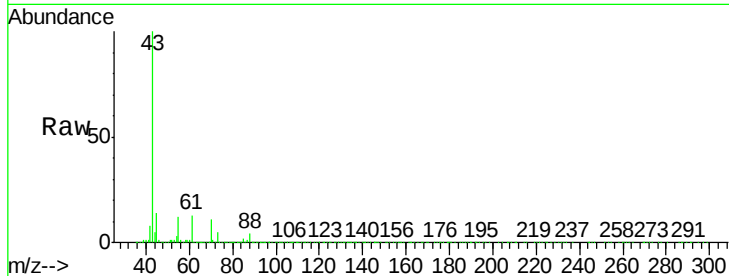
#37
Ethyl Acetate
Concen: 46.613 ug/l
RT: 4.81 min Scan# 644
Delta R.T. -0.01 min
Lab File: VX014811.D
Acq: 05 Feb 2020 09:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	11.0	16.4
70	11.0	8.5	12.7

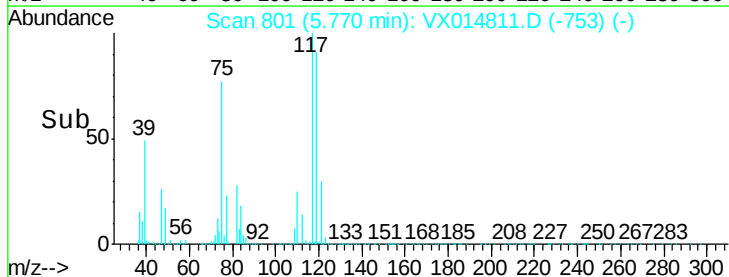
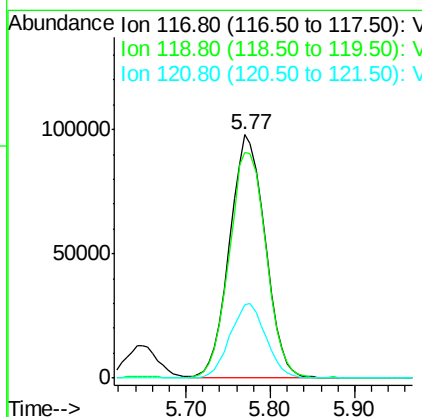
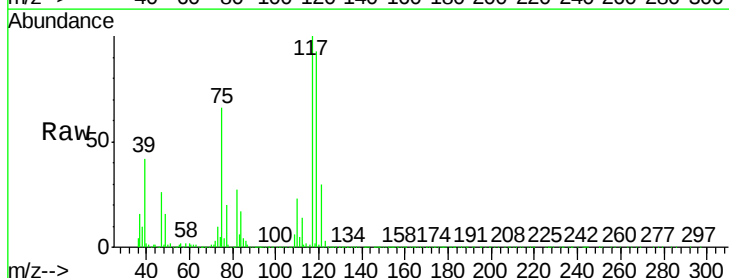
Manual Integrations
APPROVED

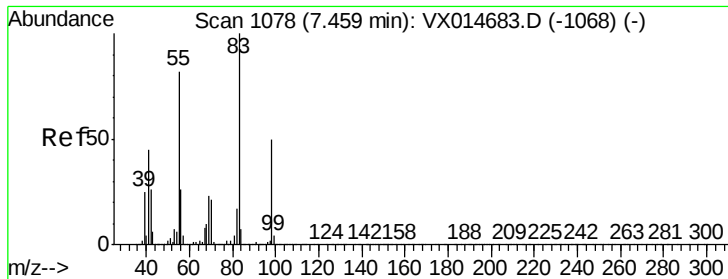
MMDadoda
2/6/2020 1:32:21 PM



#38
Carbon Tetrachloride
Concen: 51.384 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.01 min
Lab File: VX014811.D
Acq: 05 Feb 2020 09:46

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.4	77.9	116.9
121	30.0	25.4	38.2





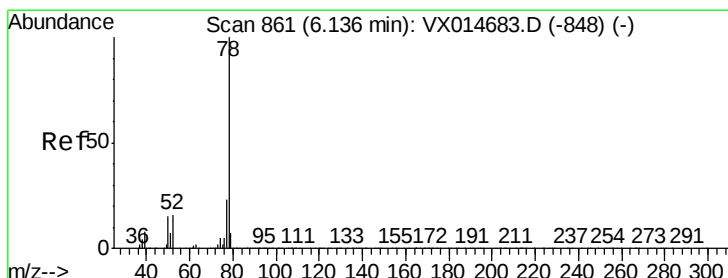
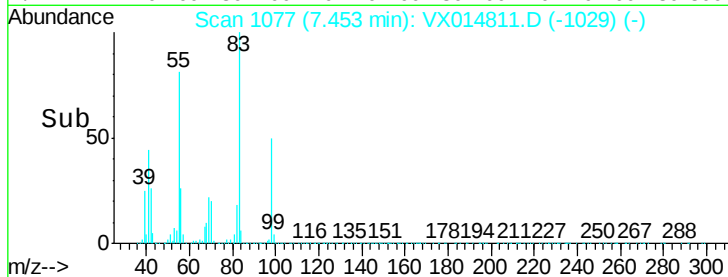
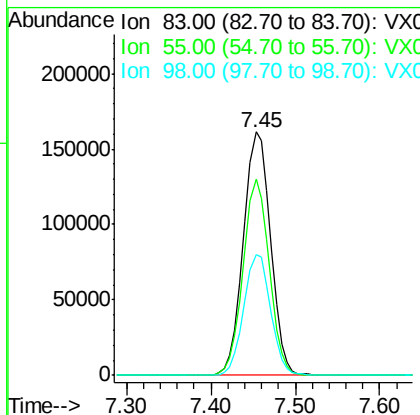
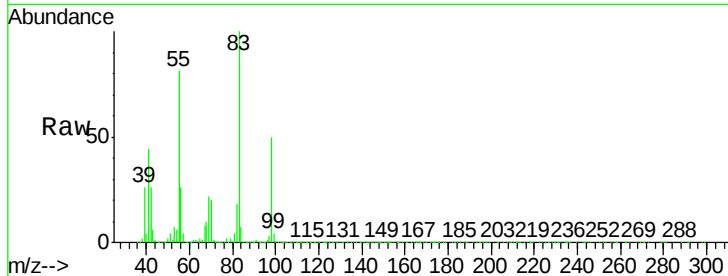
#39
Methvlcvclohexane
Concen: 49.042 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.01 min
Lab File: VX014811.D
Acq: 05 Feb 2020 09:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.6	65.6	98.4
98	49.8	40.2	60.4

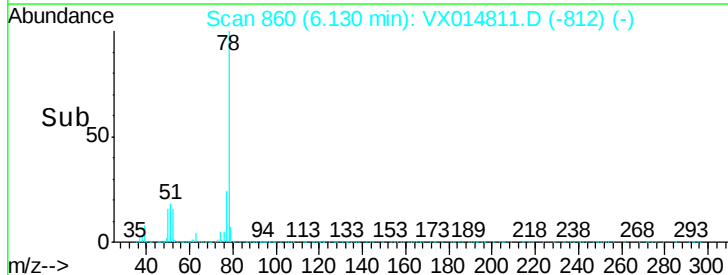
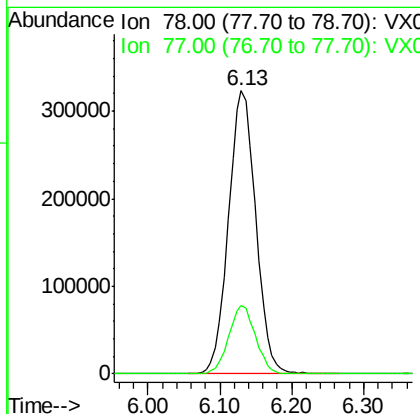
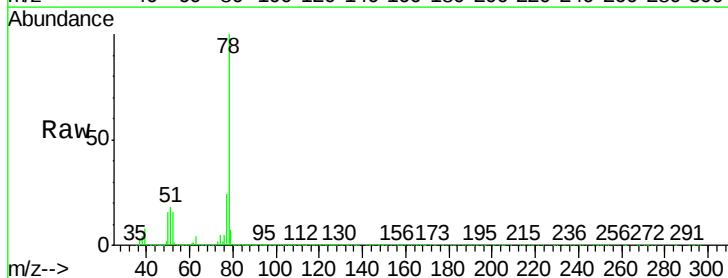
Manual Integrations
APPROVED

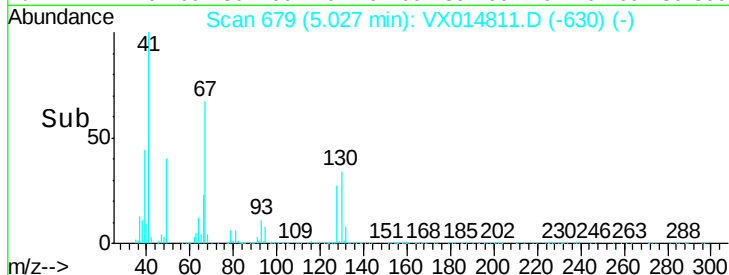
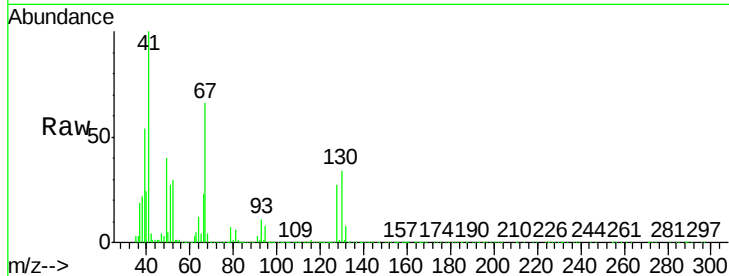
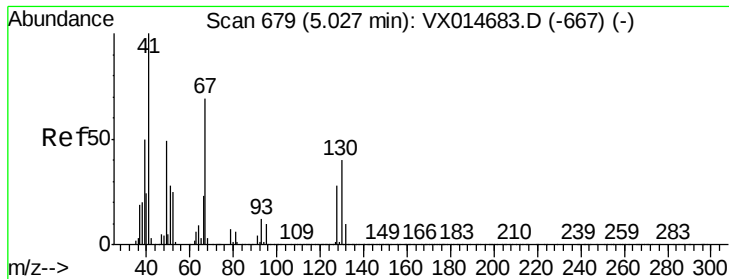
MMDadoda
2/6/2020 1:32:21 PM



#40
Benzene
Concen: 48.193 ug/l
RT: 6.13 min Scan# 860
Delta R.T. -0.01 min
Lab File: VX014811.D
Acq: 05 Feb 2020 09:46

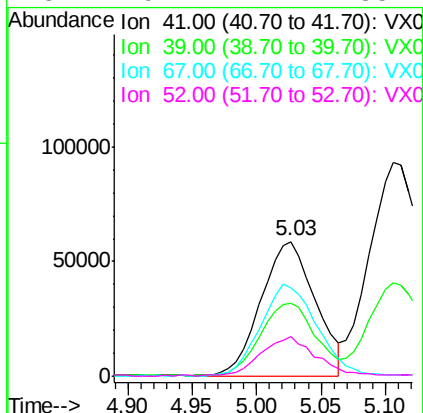
Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.7	28.1





#41
Methacrylonitrile
Concen: 45.544 ug/l
RT: 5.03 min Scan# 679
Delta R.T. 0.00 min
Lab File: VX014811.D
Acq: 05 Feb 2020 09:46

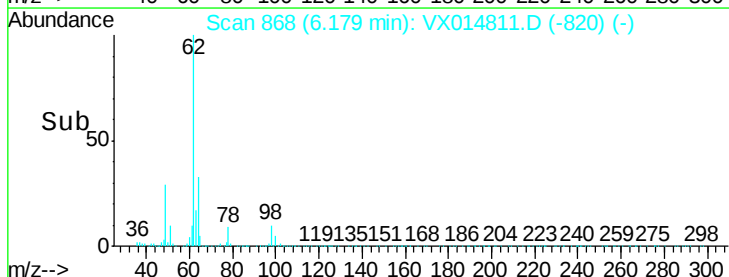
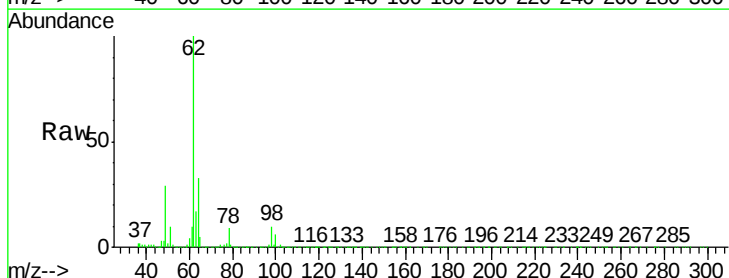
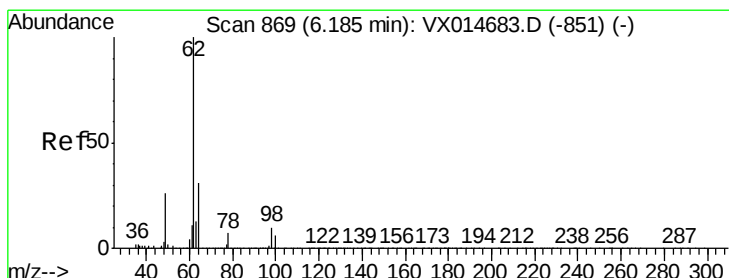
Tot Ion	Ratio	Lower	Upper
41	100		
39	54.6	42.2	63.2
67	71.7	55.4	83.0
52	29.1	22.1	33.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

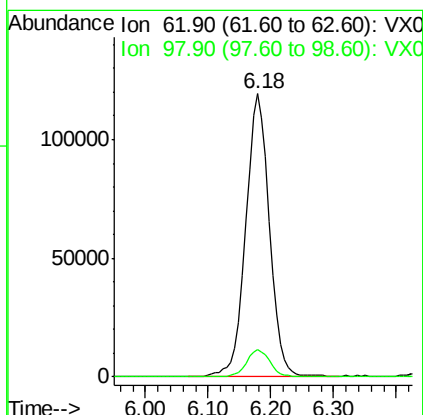
Manual Integrations
APPROVED

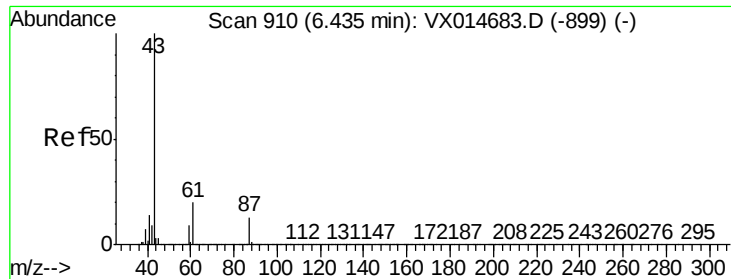
MMDadoda
2/6/2020 1:32:21 PM



#42
1,2-Dichloroethane
Concen: 50.739 ug/l
RT: 6.18 min Scan# 868
Delta R.T. -0.01 min
Lab File: VX014811.D
Acq: 05 Feb 2020 09:46

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	20.0





#43

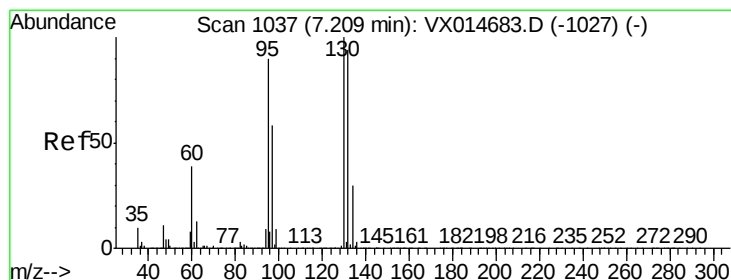
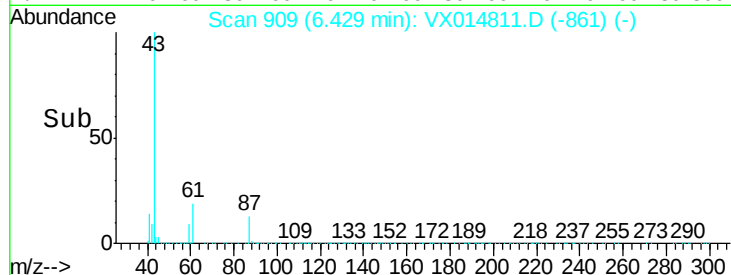
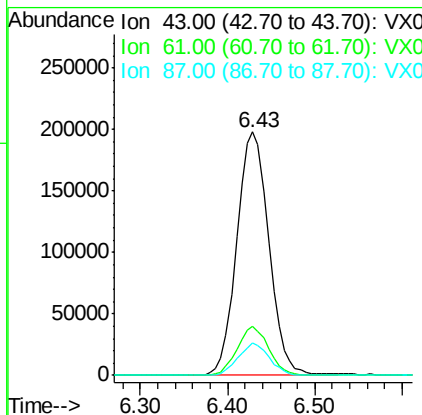
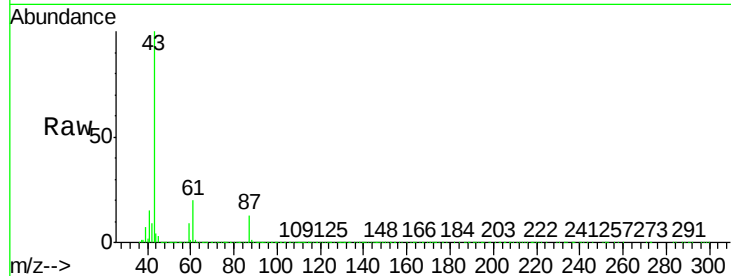
Isopropyl Acetate
 Concen: 46.904 ug/l
 RT: 6.43 min Scan# 909
 Delta R.T. -0.01 min
 Lab File: VX014811.D
 Acq: 05 Feb 2020 09:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.8	16.2	24.4
87	12.8	10.5	15.7

Manual Integrations
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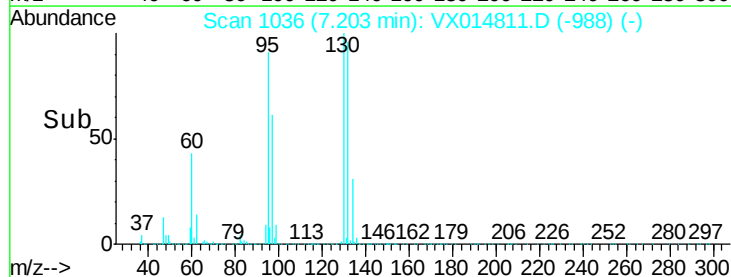
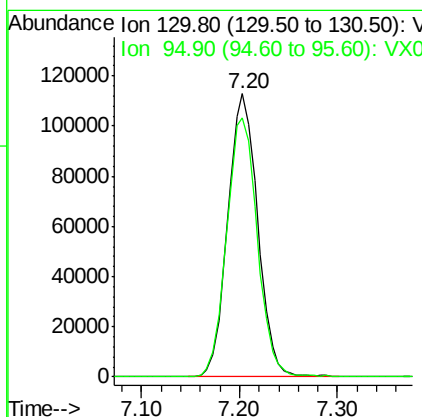
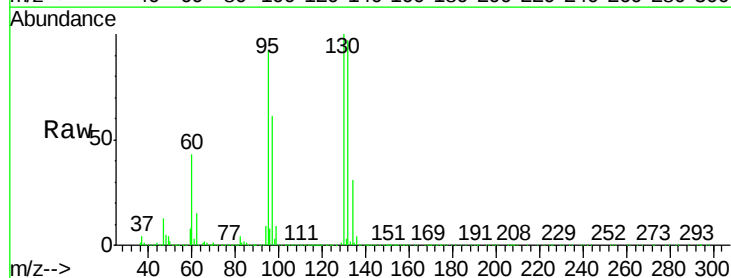
MMDadoda
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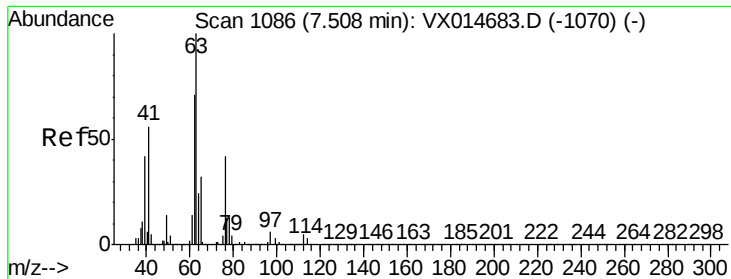


#44

Trichloroethene
 Concen: 48.097 ug/l
 RT: 7.20 min Scan# 1036
 Delta R.T. -0.01 min
 Lab File: VX014811.D
 Acq: 05 Feb 2020 09:46

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.5	0.0	179.8





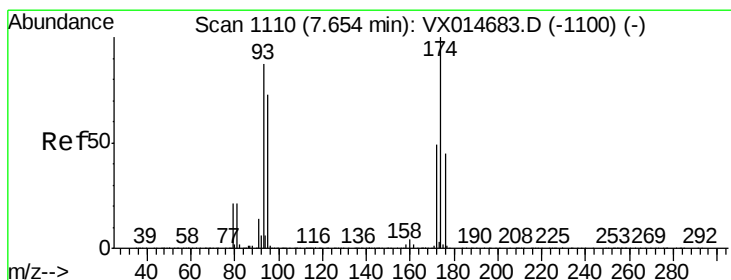
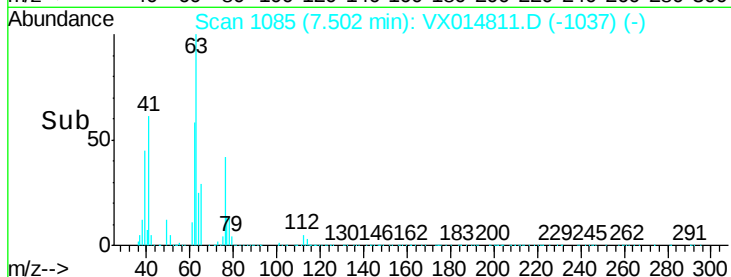
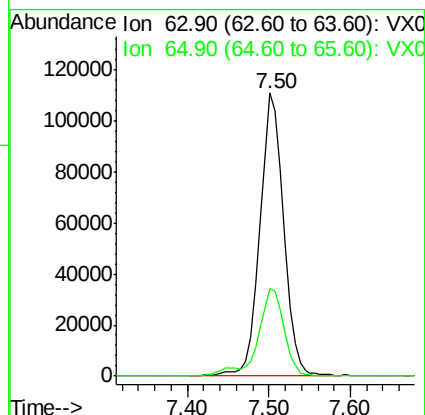
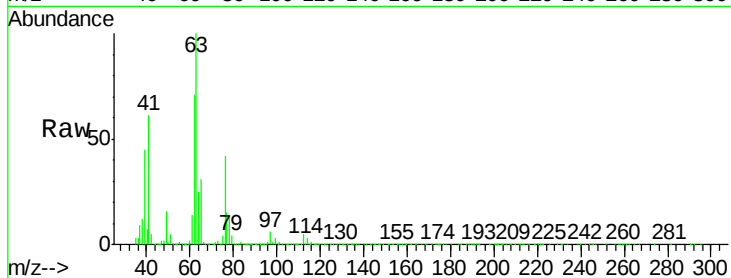
#45
 1,2-Dichloropropane
 Concen: 49.562 ug/l
 RT: 7.50 min Scan# 1085
 Delta R.T. -0.01 min
 Lab File: VX014811.D
 Acq: 05 Feb 2020 09:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.7	25.2	37.8

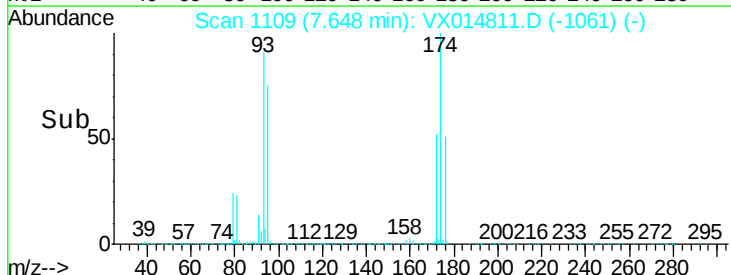
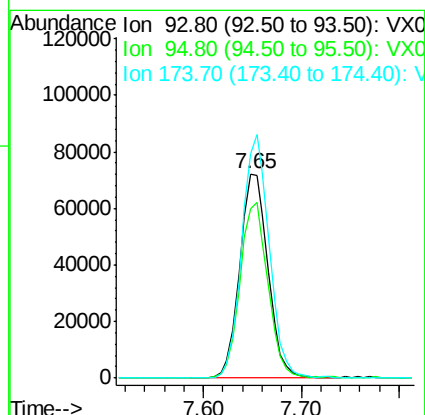
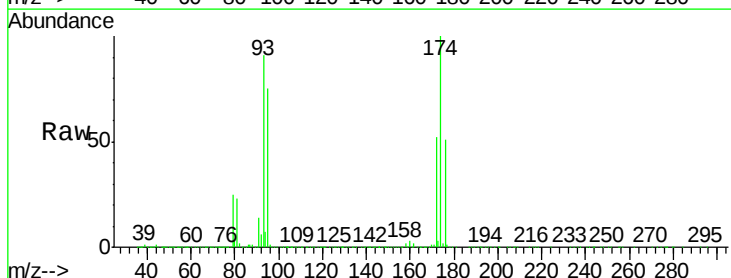
Manual Integrations
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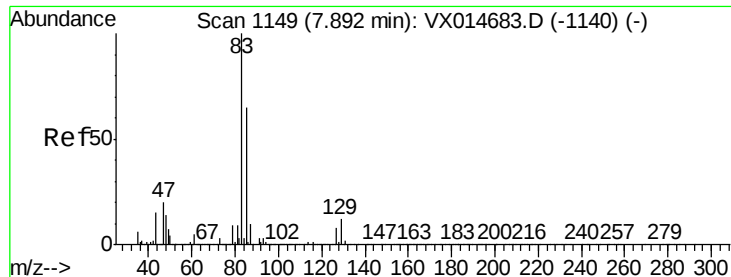
MMDadoda
 2/6/2020 1:32:21 PM



#46
 Dibromomethane
 Concen: 48.927 ug/l
 RT: 7.65 min Scan# 1109
 Delta R.T. -0.01 min
 Lab File: VX014811.D
 Acq: 05 Feb 2020 09:46

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.5	67.0	100.4
174	115.5	90.2	135.2





#47

Bromodichloromethane

Concen: 51.878 ug/l

RT: 7.89 min Scan# 1148

Delta R.T. -0.01 min

Lab File: VX014811.D

Acq: 05 Feb 2020 09:46

Instrument :

MSVOA_X

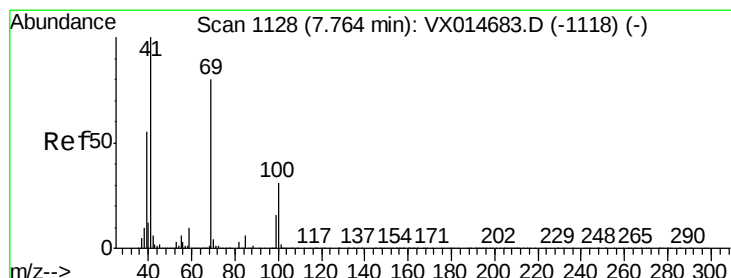
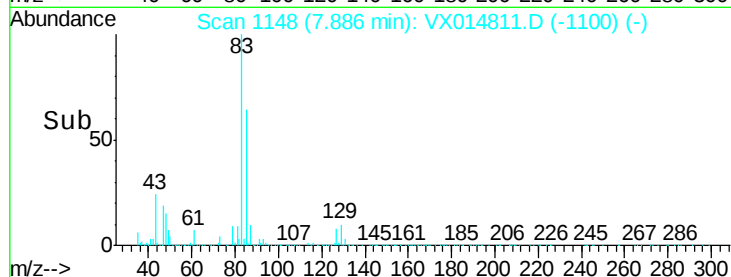
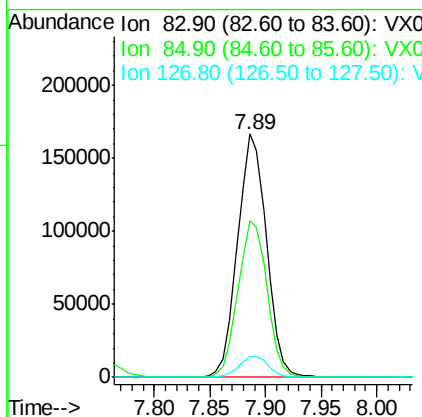
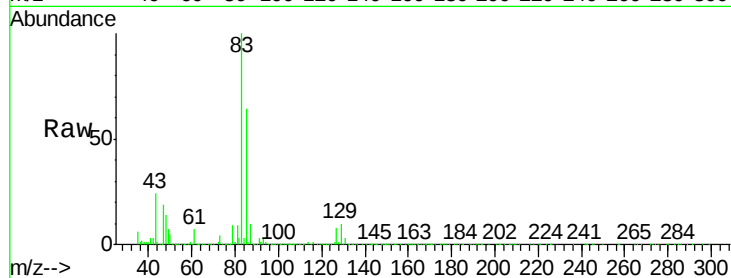
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	300201
Ion Ratio	Lower	Upper	
83	100		
85	64.3	52.2	78.2
127	8.4	6.4	9.6

Manual Integrations
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2/6/2020 1:32:21 PM



#48

Methyl methacrylate

Concen: 48.330 ug/l

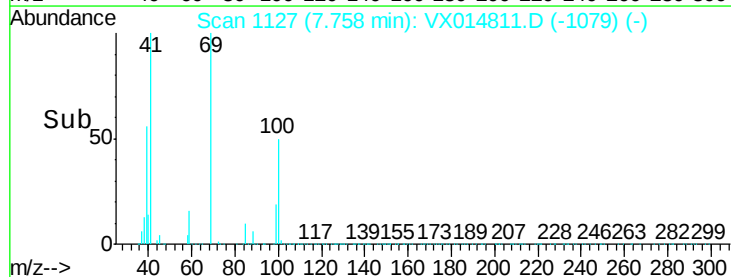
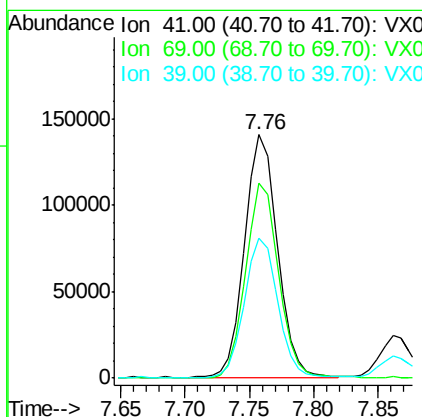
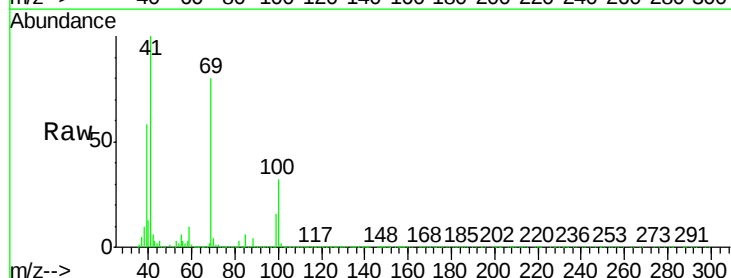
RT: 7.76 min Scan# 1127

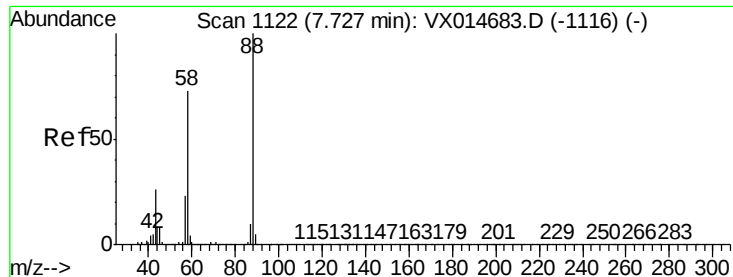
Delta R.T. -0.01 min

Lab File: VX014811.D

Acq: 05 Feb 2020 09:46

Tgt Ion:	41	Resp:	247857
Ion Ratio	Lower	Upper	
41	100		
69	80.6	63.5	95.3
39	58.1	43.7	65.5





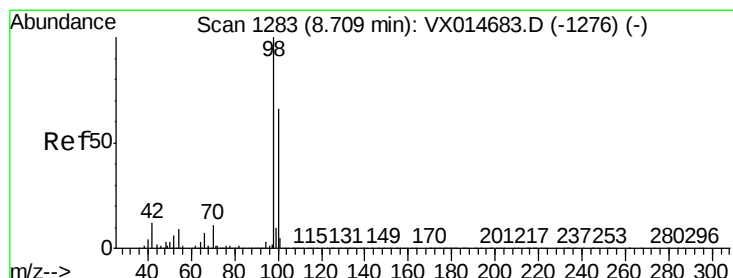
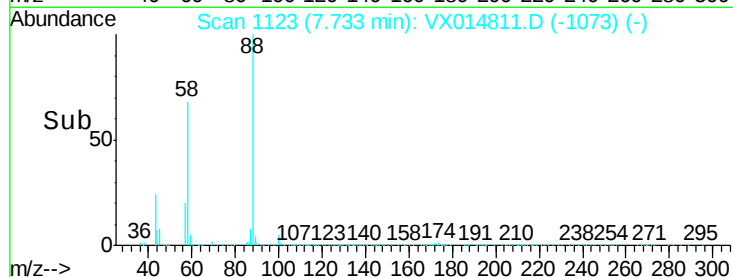
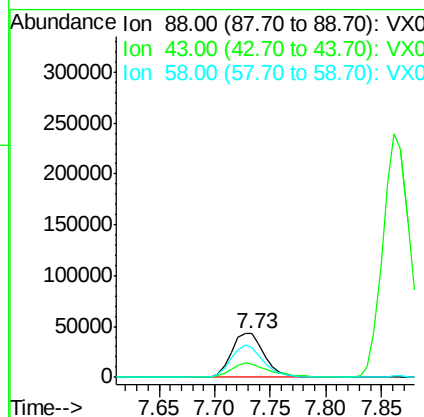
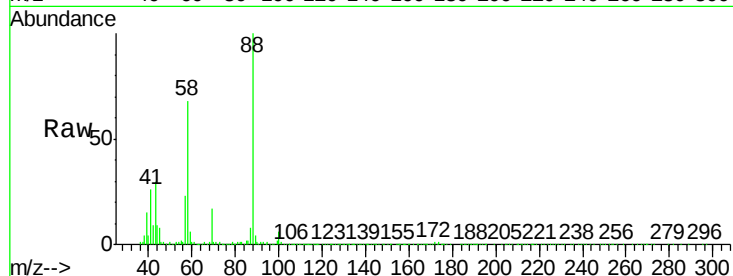
#49
1,4-Dioxane
Concen: 809.562 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.01 min
Lab File: VX014811.D
Acq: 05 Feb 2020 09:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.3	26.2	39.2
58	71.3	56.6	85.0

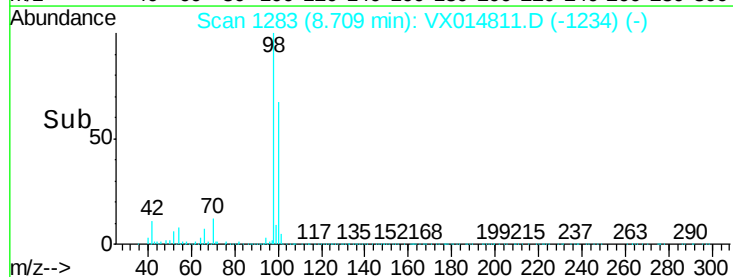
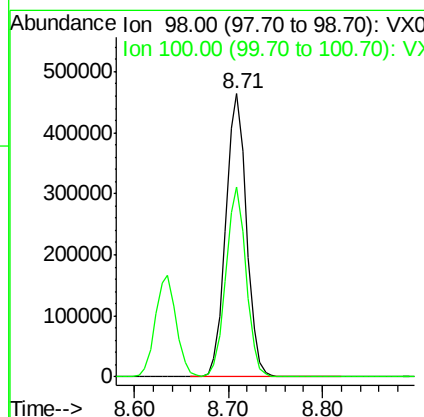
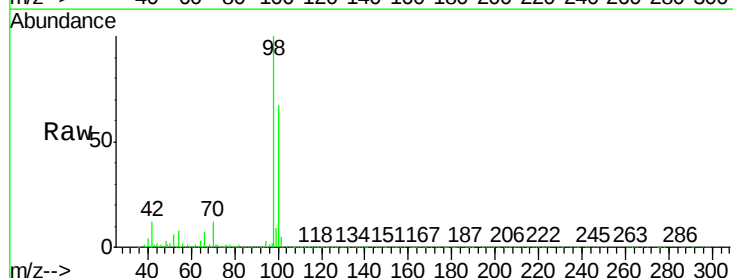
Manual Integrations
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#50
Toluene-d8
Concen: 47.079 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX014811.D
Acq: 05 Feb 2020 09:46

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.7	53.0	79.6





#51

4-Methyl-2-Pentanone

Concen: 233.969 ug/l

RT: 8.63 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VX014811.D

Acq: 05 Feb 2020 09:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1585017

Ion Ratio Lower Upper

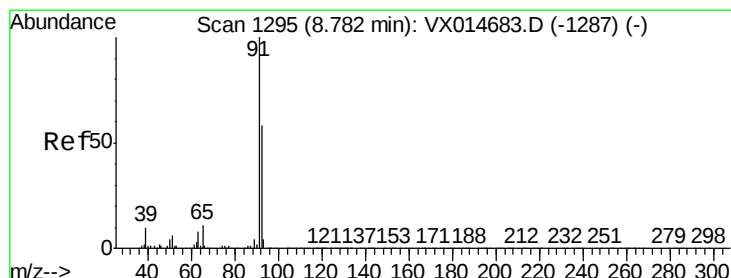
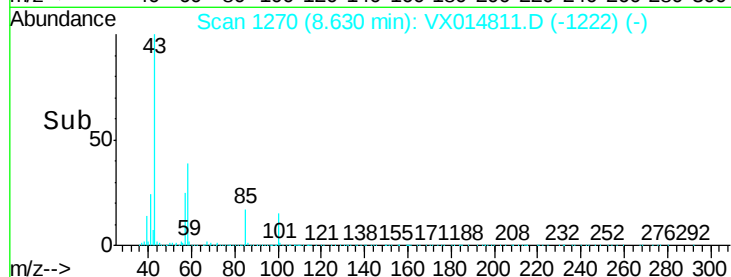
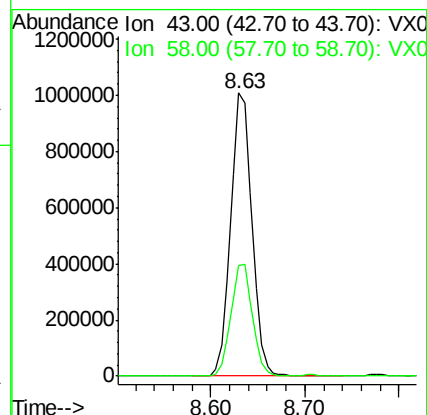
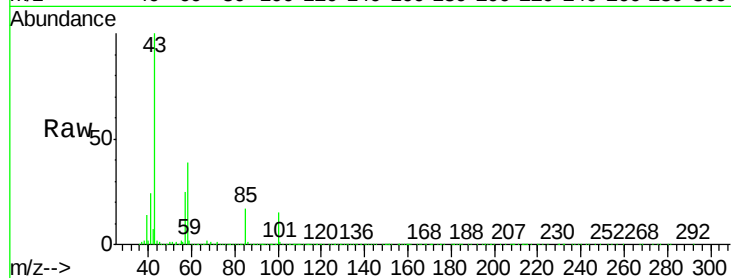
43 100

58 39.6 31.6 47.4

Manual Integrations
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#52

Toluene

Concen: 50.184 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.01 min

Lab File: VX014811.D

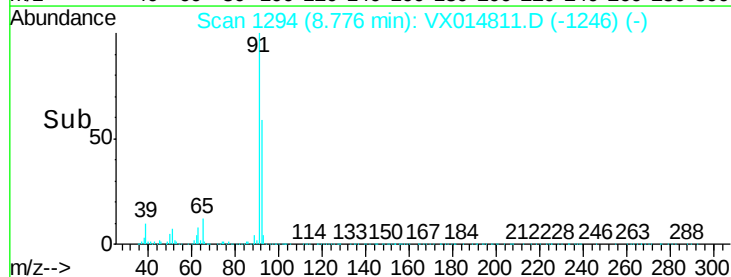
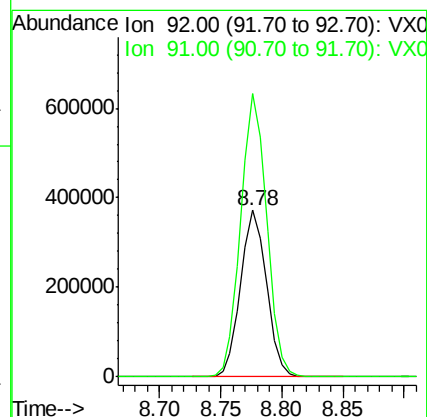
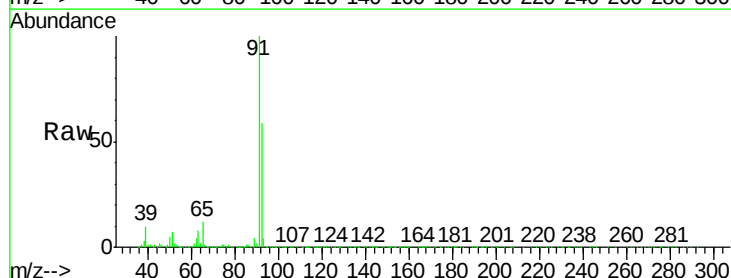
Acq: 05 Feb 2020 09:46

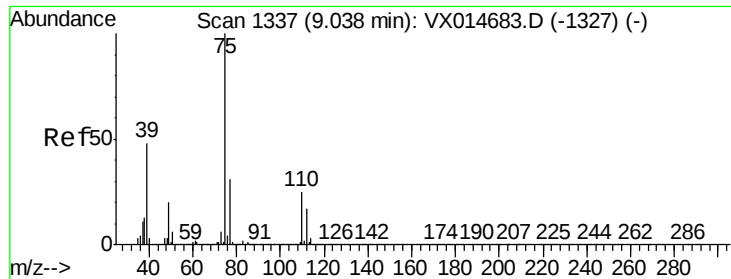
Tgt Ion: 92 Resp: 545483

Ion Ratio Lower Upper

92 100

91 170.8 135.9 203.9





#53

t-1,3-Dichloropropene

Concen: 52.559 ug/l

RT: 9.03 min Scan# 1336

Delta R.T. -0.01 min

Lab File: VX014811.D

Acq: 05 Feb 2020 09:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 327489

Ion Ratio Lower Upper

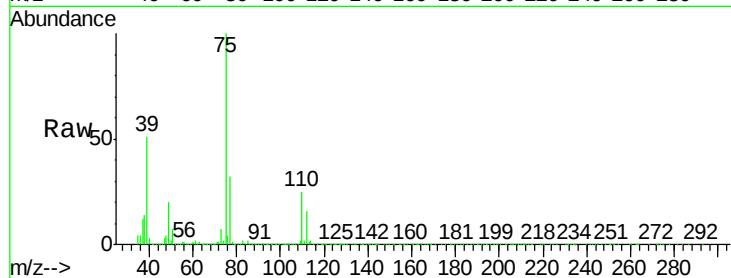
75 100

77 31.5 24.9 37.3

Manual Integrations
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Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

9.03

250000

200000

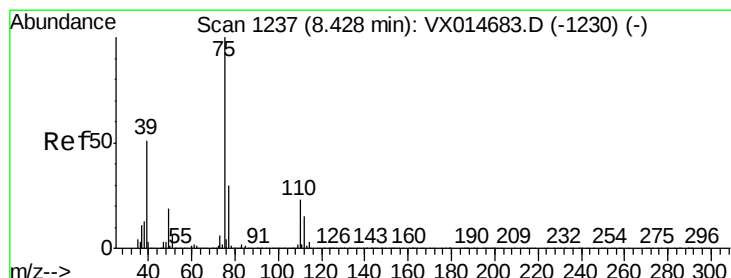
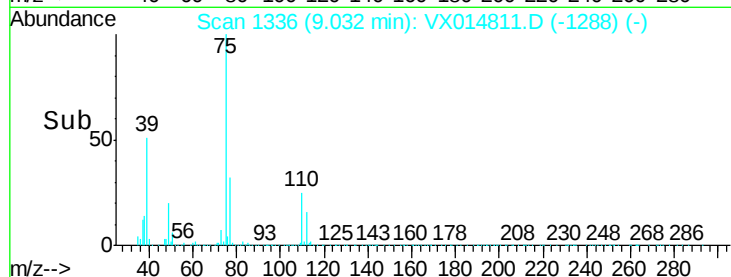
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 53.241 ug/l

RT: 8.43 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VX014811.D

Acq: 05 Feb 2020 09:46

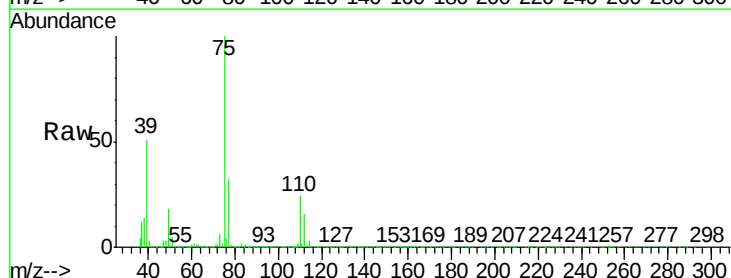
Tgt Ion: 75 Resp: 364941

Ion Ratio Lower Upper

75 100

77 32.2 23.9 35.9

39 51.1 40.9 61.3



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

300000

250000

200000

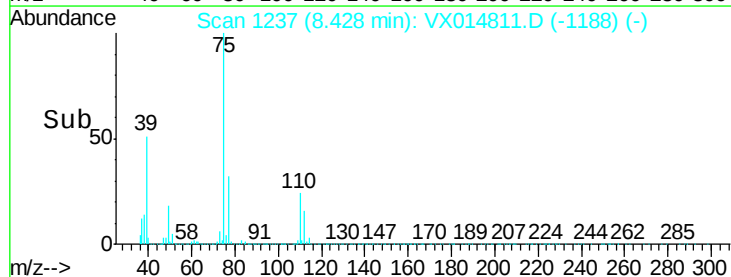
150000

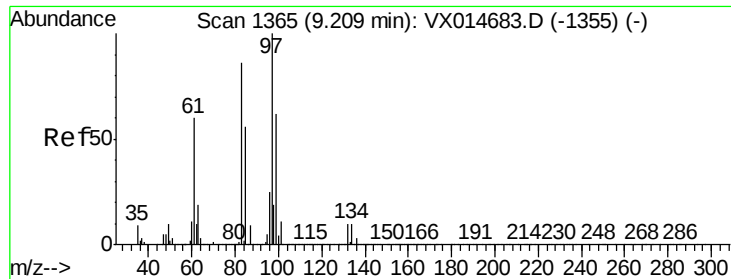
100000

50000

0

Time-->





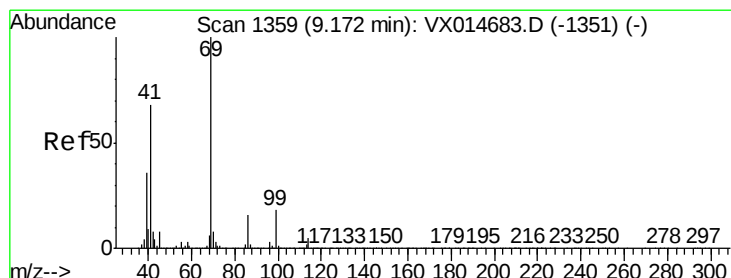
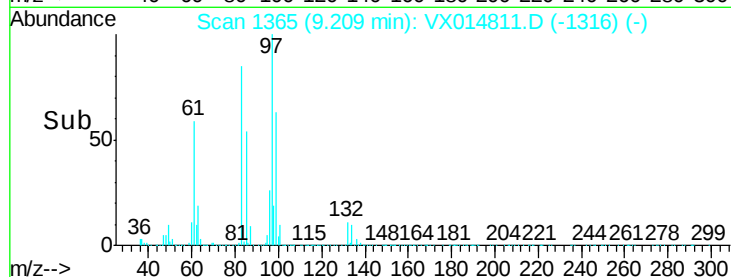
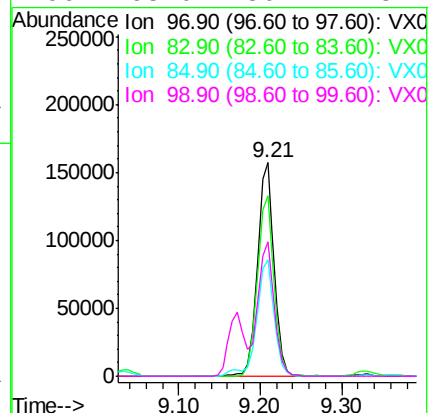
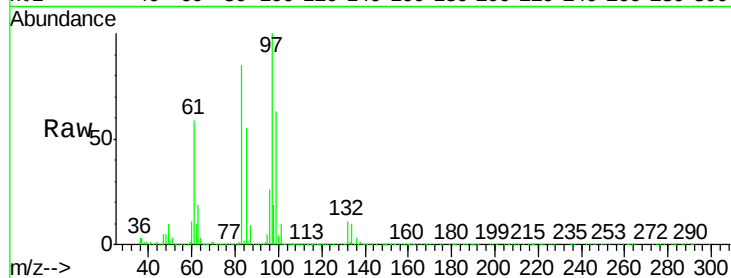
#55
 1,1,2-Trichloroethane
 Concen: 50.571 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX014811.D
 Acq: 05 Feb 2020 09:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
97	100	225053		
83	84.5	69.2	103.8	
85	54.5	44.6	67.0	
99	63.0	50.1	75.1	

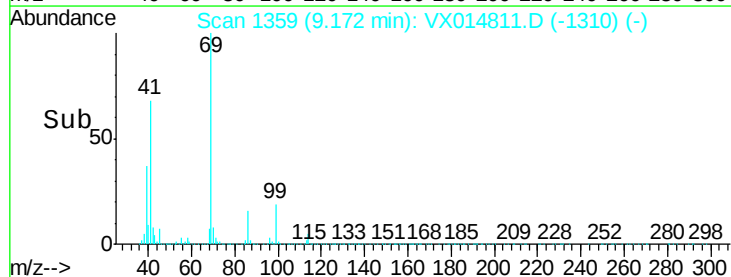
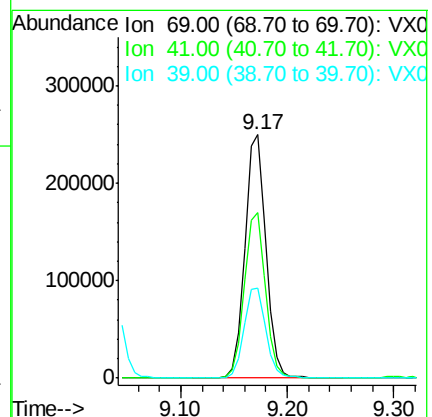
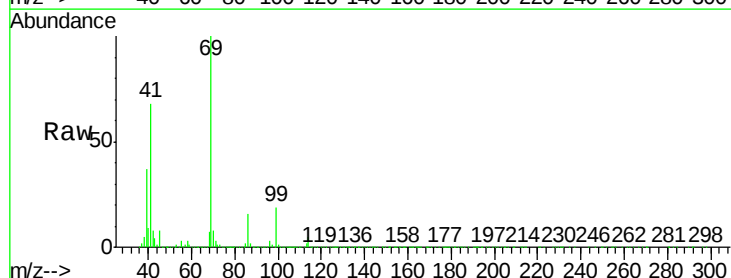
Manual Integrations
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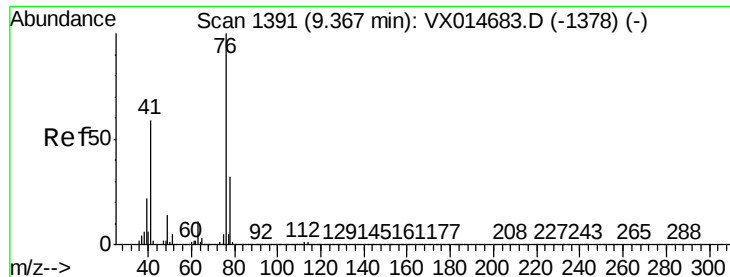
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 45.975 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX014811.D
 Acq: 05 Feb 2020 09:46

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	345740		
41	68.4	54.9	82.3	
39	38.1	29.3	43.9	





#57

1,3-Dichloropropane

Concen: 48.837 ug/l

RT: 9.36 min Scan# 1390

Delta R.T. -0.01 min

Lab File: VX014811.D

Acq: 05 Feb 2020 09:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 371530

Ion Ratio Lower Upper

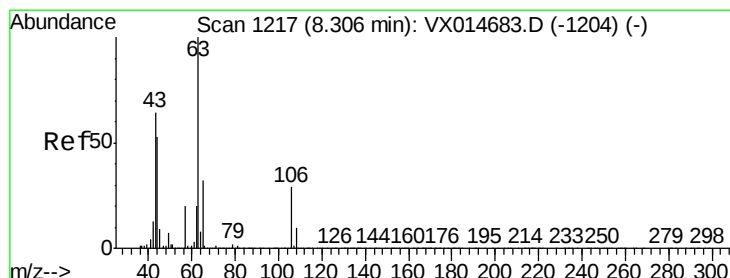
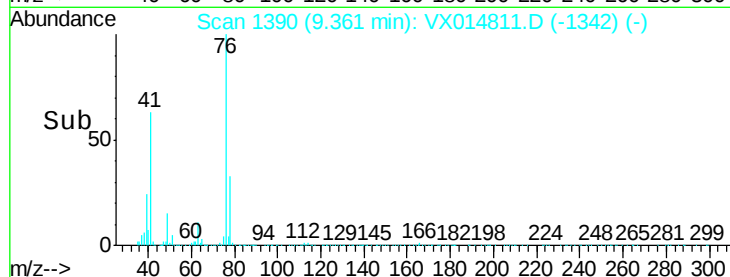
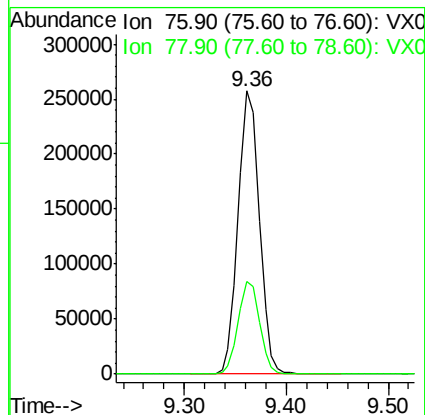
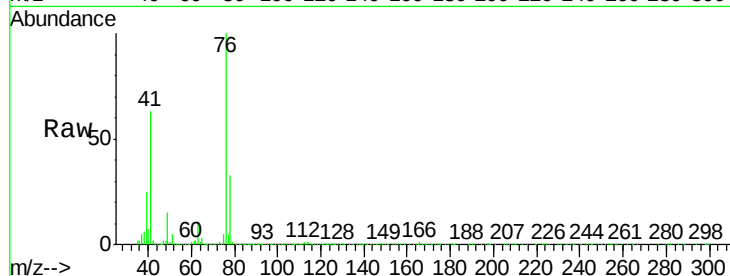
76 100

78 32.9 26.0 39.0

Manual Integrations
APPROVED

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2/6/2020 1:32:21 PM



#58

2-Chloroethyl Vinyl ether

Concen: 267.009 ug/l

RT: 8.30 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VX014811.D

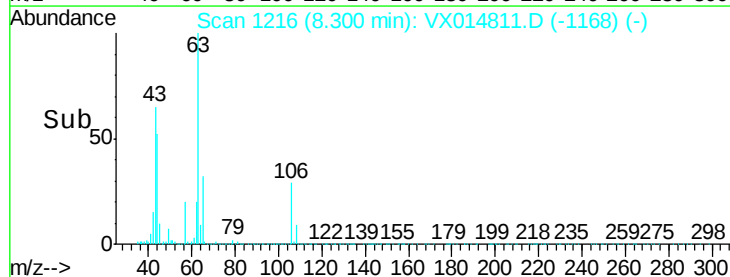
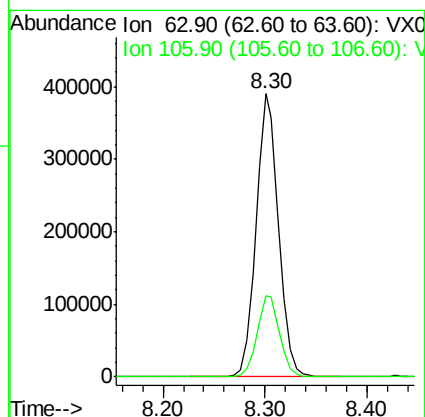
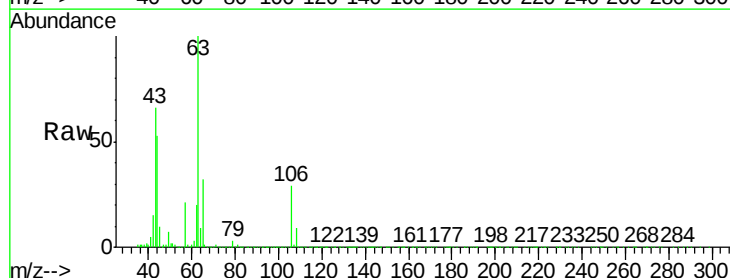
Acq: 05 Feb 2020 09:46

Tgt Ion: 63 Resp: 597587

Ion Ratio Lower Upper

63 100

106 29.1 22.7 34.1





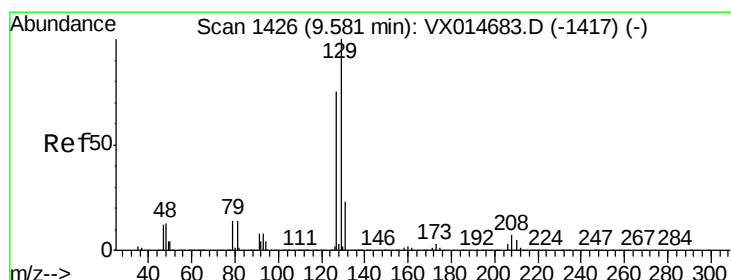
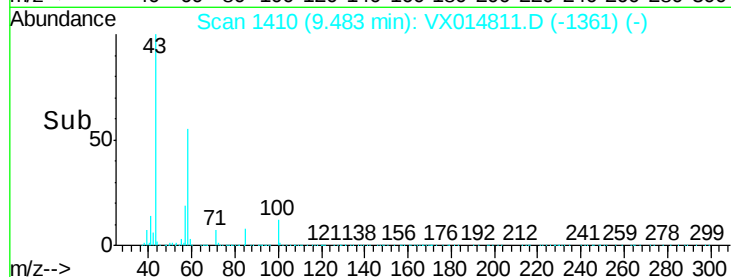
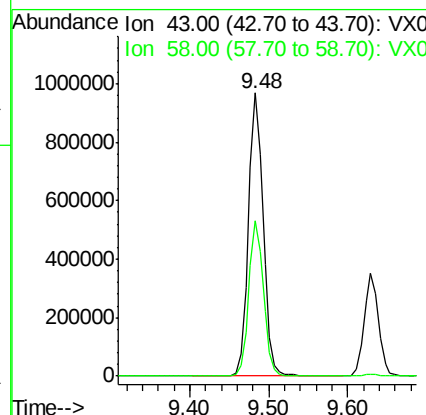
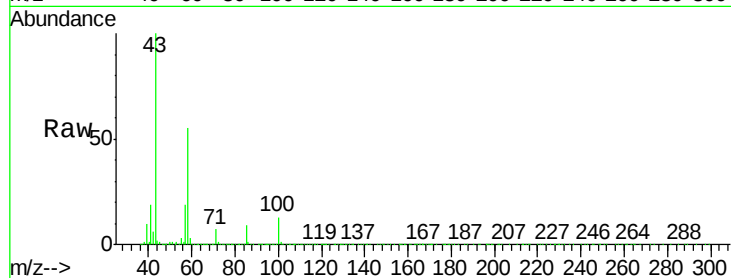
#59
2-Hexanone
Concen: 238.432 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. 0.00 min
Lab File: VX014811.D
Acq: 05 Feb 2020 09:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1253413
Ion Ratio Lower Upper
43 100
58 54.5 27.2 81.5

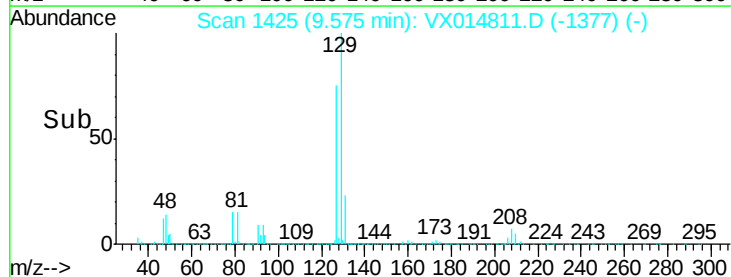
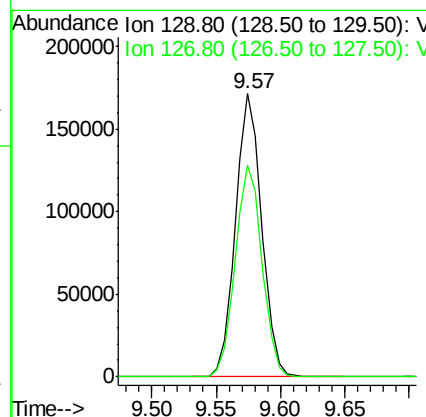
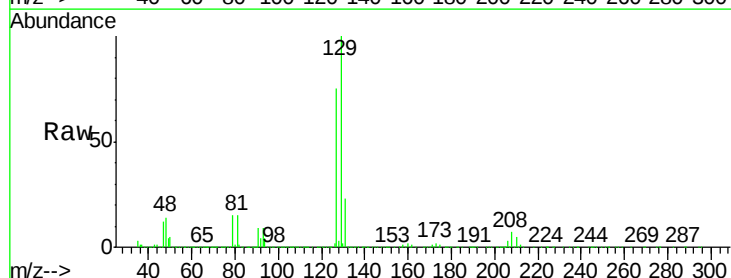
Manual Integrations
APPROVED

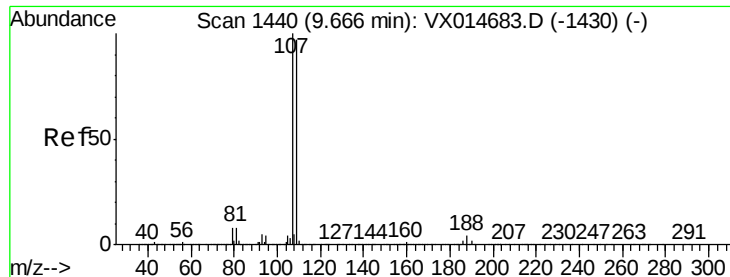
MMDadoda
2/6/2020 1:32:21 PM



#60
Dibromochloromethane
Concen: 52.365 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.01 min
Lab File: VX014811.D
Acq: 05 Feb 2020 09:46

Tgt Ion: 129 Resp: 243243
Ion Ratio Lower Upper
129 100
127 76.6 38.5 115.5





#61

1,2-Dibromoethane

Concen: 50.396 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX014811.D

Acq: 05 Feb 2020 09:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 237125

Ion Ratio Lower Upper

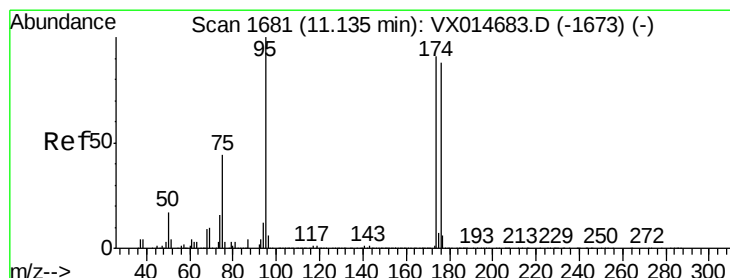
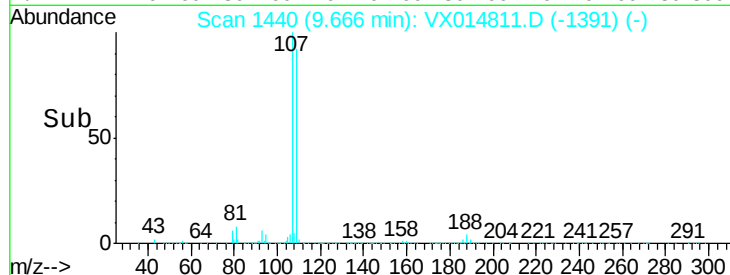
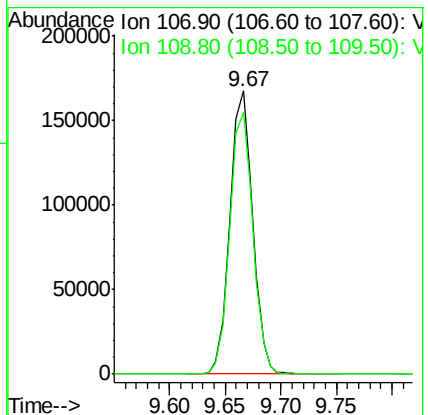
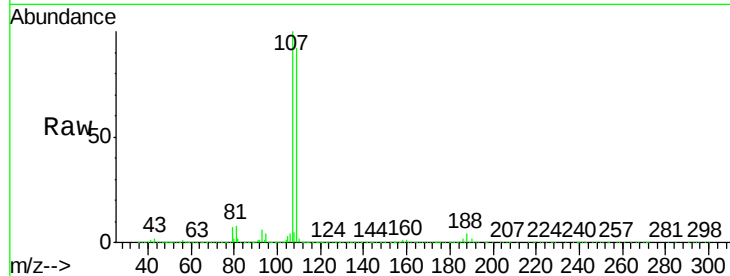
107 100

109 94.5 76.2 114.2

Manual Integrations
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MMDadoda

2/6/2020 1:32:21 PM



#62

4-Bromofluorobenzene

Concen: 47.807 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX014811.D

Acq: 05 Feb 2020 09:46

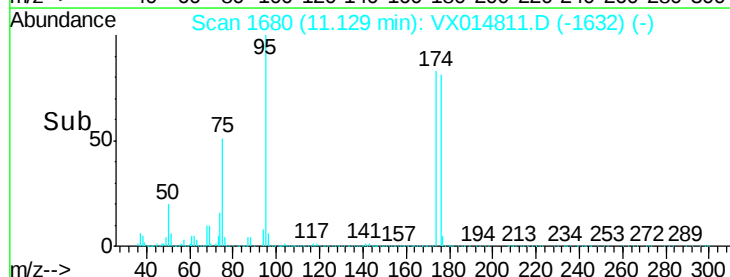
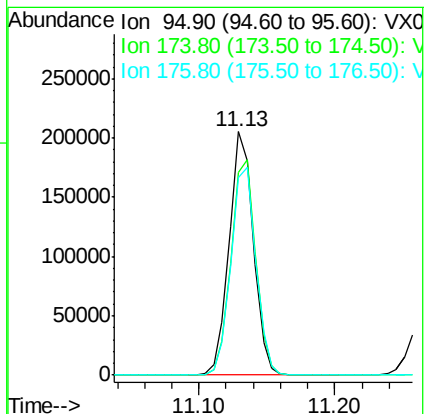
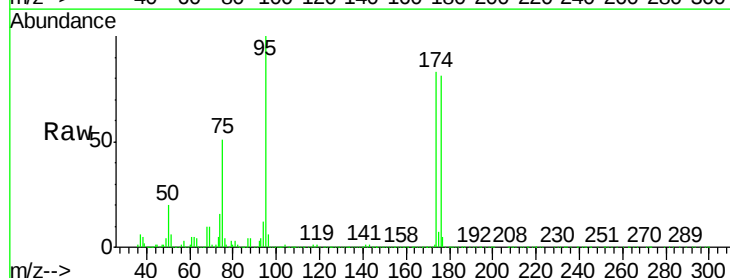
Tgt Ion: 95 Resp: 254434

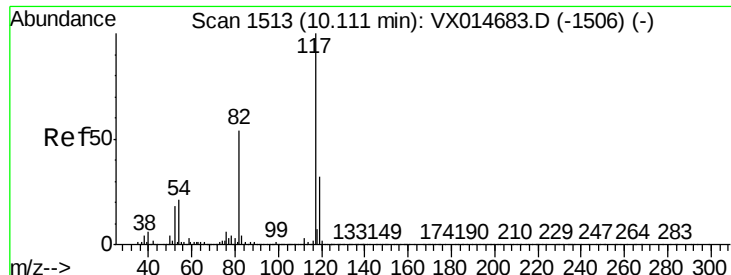
Ion Ratio Lower Upper

95 100

174 90.4 0.0 176.0

176 88.4 0.0 172.2





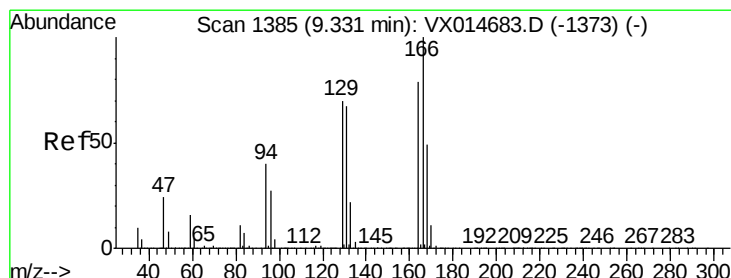
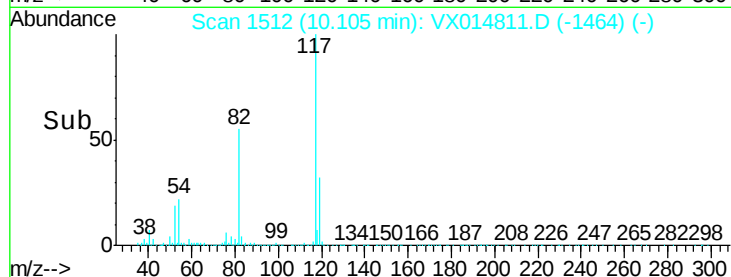
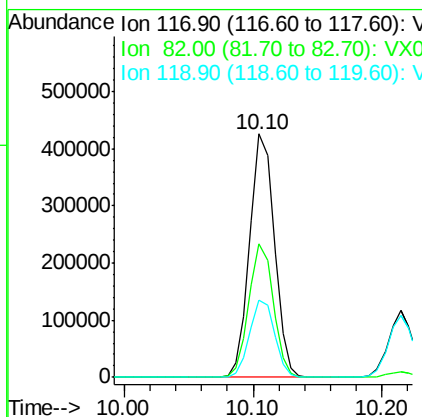
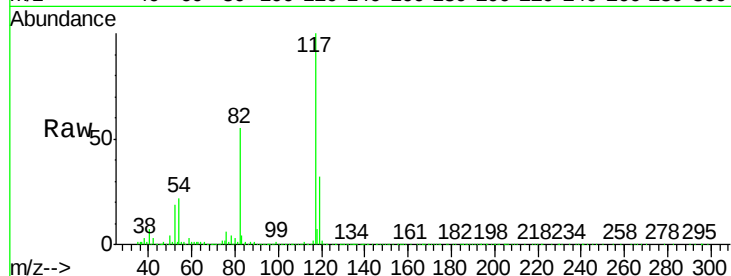
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX014811.D
Acq: 05 Feb 2020 09:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp Lower	Upper
117	100		
82	55.0	43.2	64.8
119	31.8	25.8	38.6

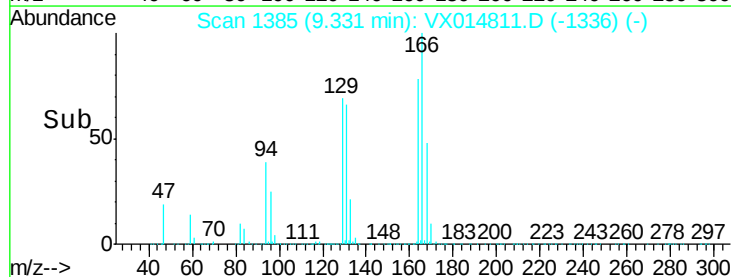
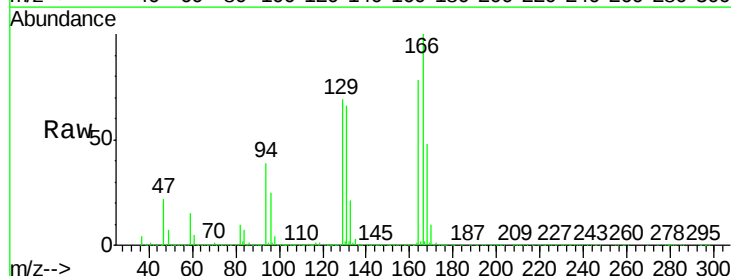
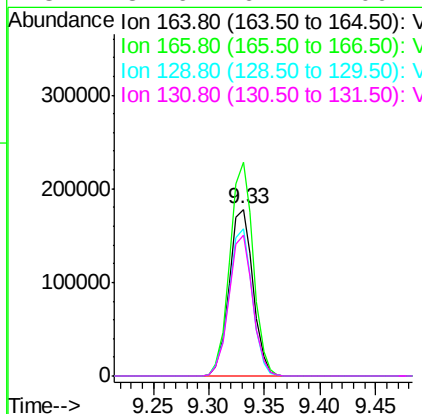
Manual Integrations
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2/6/2020 1:32:21 PM



#64
Tetrachloroethene
Concen: 47.030 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX014811.D
Acq: 05 Feb 2020 09:46

Tgt Ion	Ratio	Resp Lower	Upper
164	100		
166	128.2	100.9	151.3
129	88.7	71.0	106.6
131	84.6	67.1	100.7





#65

Chlorobenzene

Concen: 49.203 ug/l

RT: 10.13 min Scan# 1516

Delta R.T. -0.01 min

Lab File: VX014811.D

Acq: 05 Feb 2020 09:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 593840

Ion Ratio Lower Upper

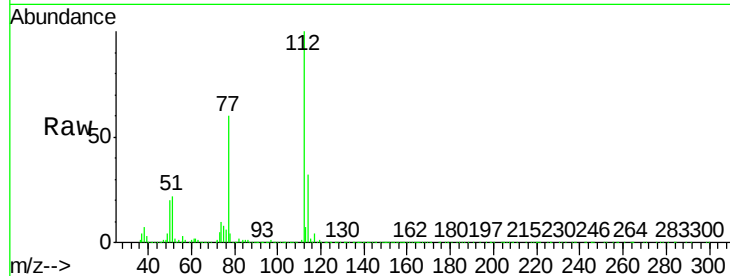
112 100

114 32.2 25.8 38.8

Manual Integrations
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

10.13

400000

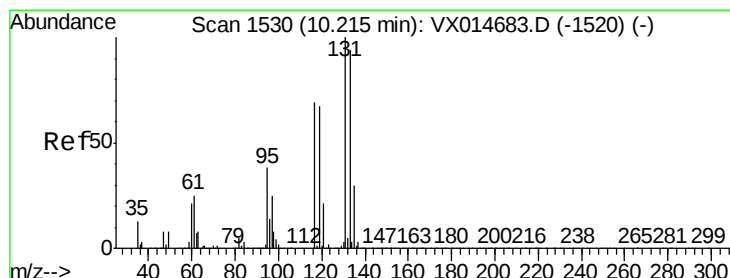
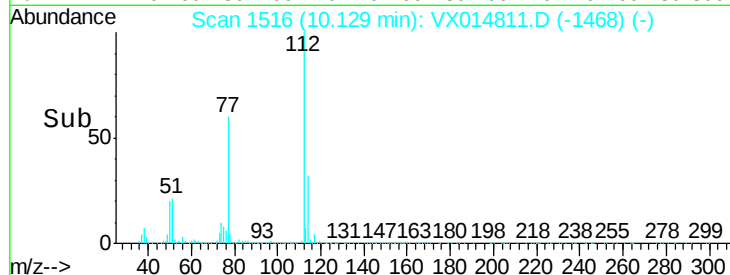
300000

200000

100000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 50.635 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VX014811.D

Acq: 05 Feb 2020 09:46

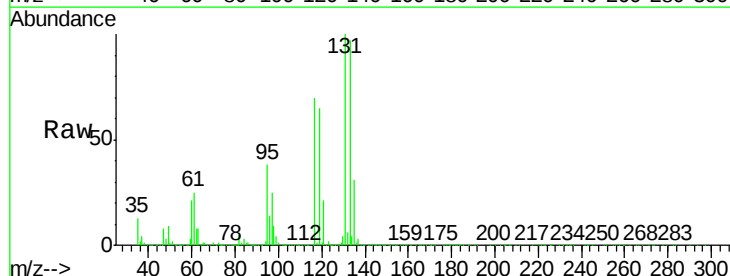
Tgt Ion:131 Resp: 225325

Ion Ratio Lower Upper

131 100

133 95.6 47.4 142.3

119 64.9 33.3 99.8



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

10.21

200000

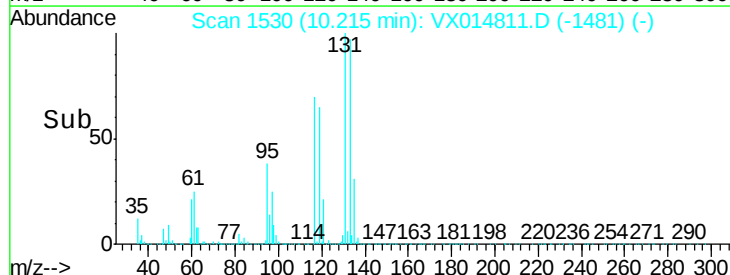
150000

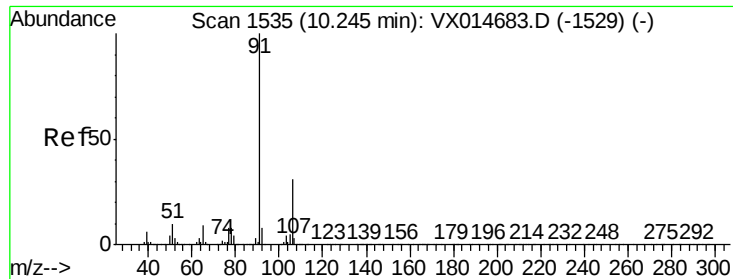
100000

50000

0

Time-->





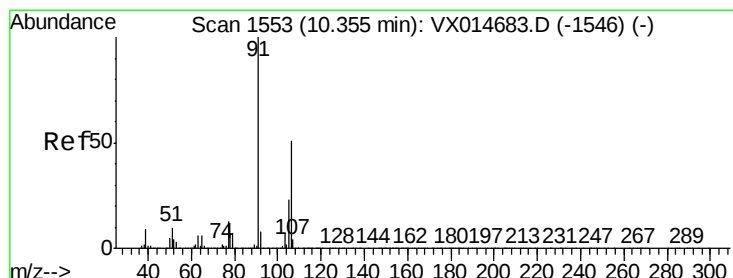
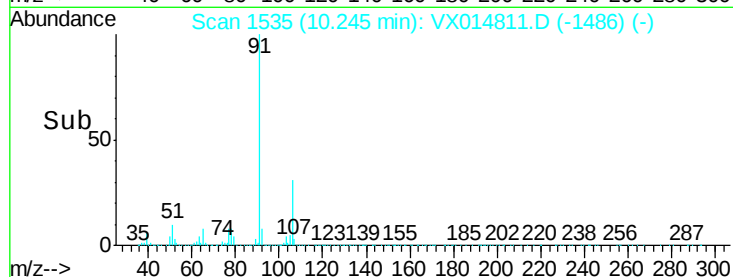
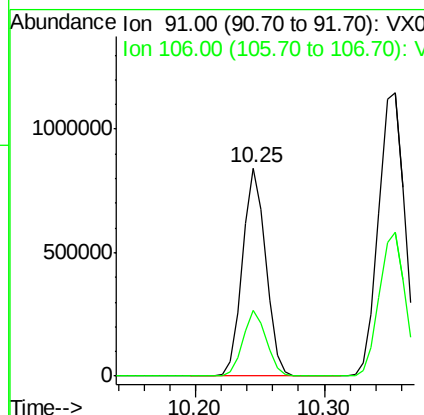
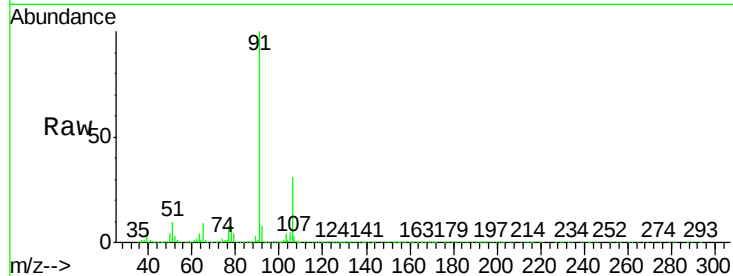
#67
Ethyl Benzene
Concen: 51.201 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. 0.00 min
Lab File: VX014811.D
Acq: 05 Feb 2020 09:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1055141
Ion Ratio Lower Upper
91 100
106 31.4 24.9 37.3

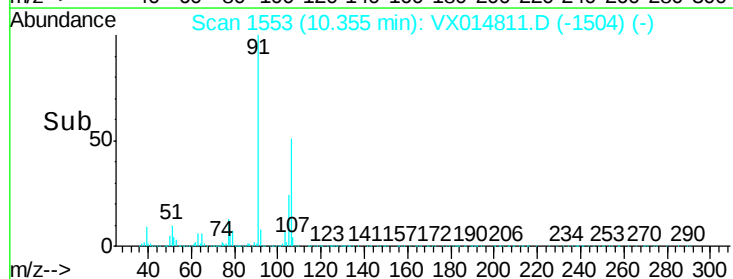
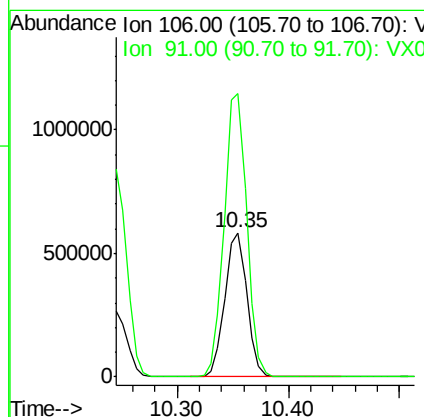
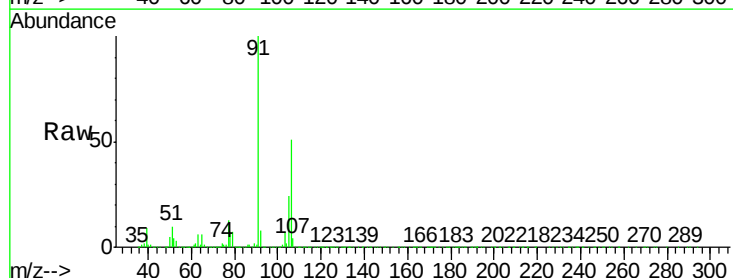
Manual Integrations
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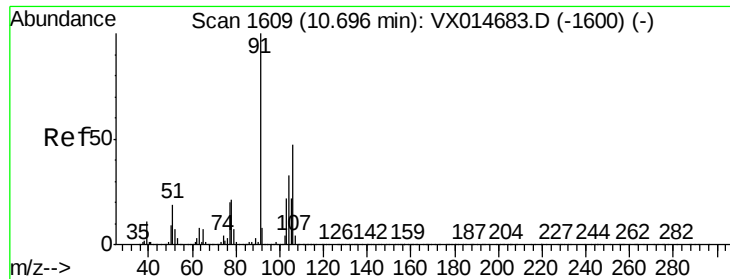
MMDadoda
2/6/2020 1:32:21 PM



#68
m/p-Xylenes
Concen: 102.532 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX014811.D
Acq: 05 Feb 2020 09:46

Tgt Ion: 106 Resp: 800489
Ion Ratio Lower Upper
106 100
91 201.6 159.4 239.2





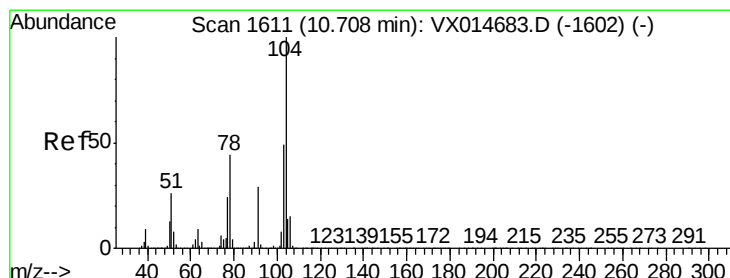
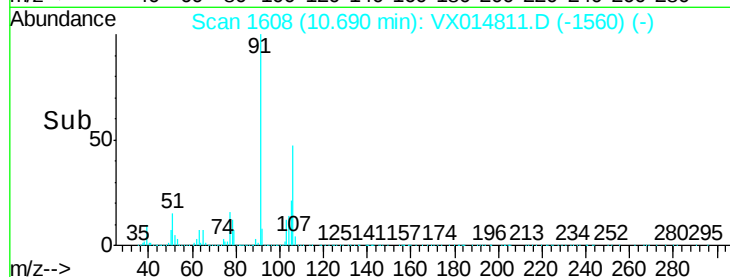
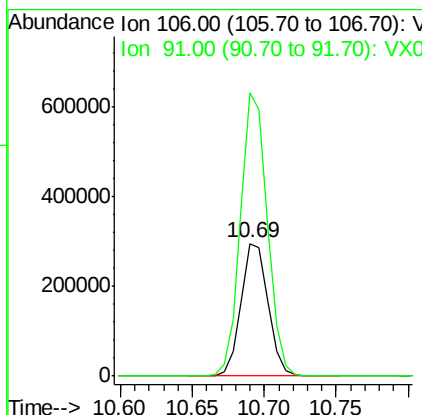
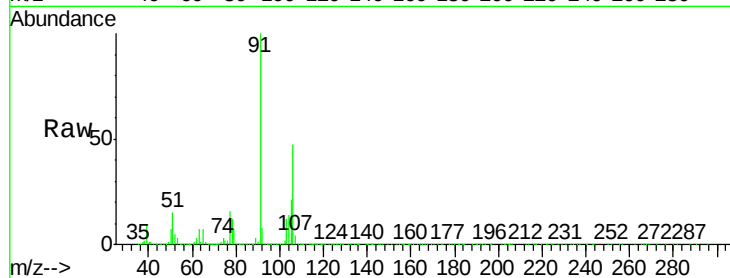
#69
o-Xylene
Concen: 51.056 ug/l
RT: 10.69 min Scan# 1608
Delta R.T. -0.01 min
Lab File: VX014811.D
Acq: 05 Feb 2020 09:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
106	100	384813		
91	211.8	106.2	318.6	

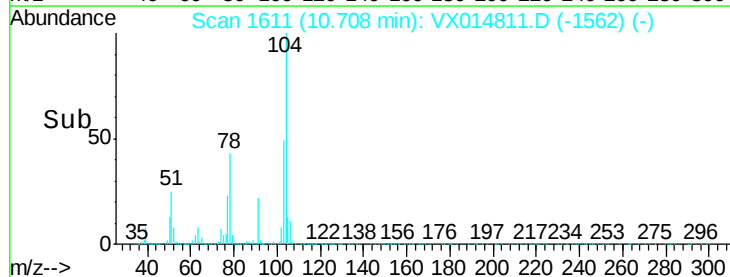
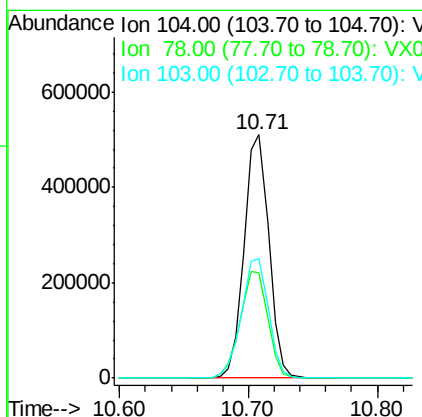
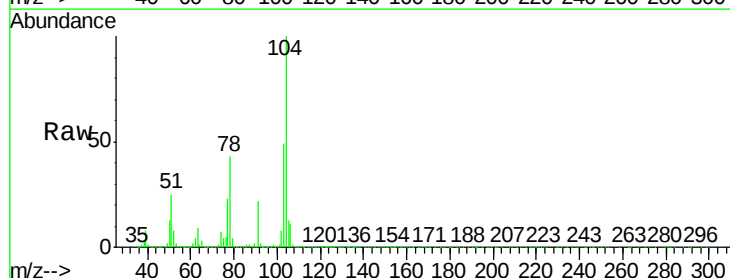
Manual Integrations
APPROVED

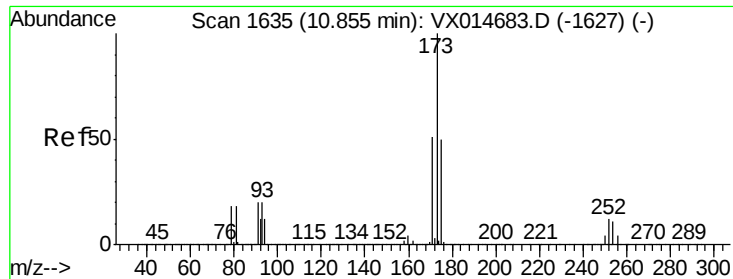
MMDadoda
2/6/2020 1:32:21 PM



#70
Styrene
Concen: 53.366 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX014811.D
Acq: 05 Feb 2020 09:46

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	674722		
78	49.3	39.3	58.9	
103	54.2	43.5	65.3	





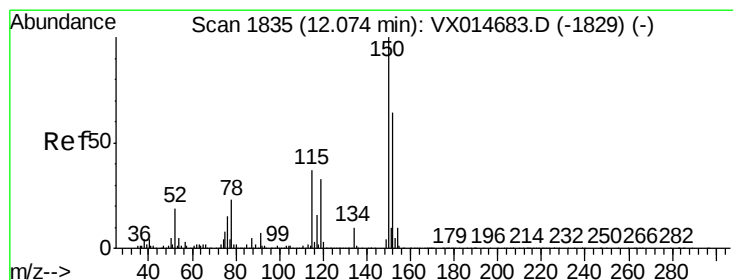
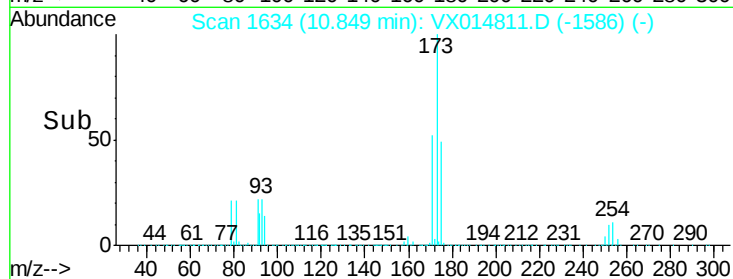
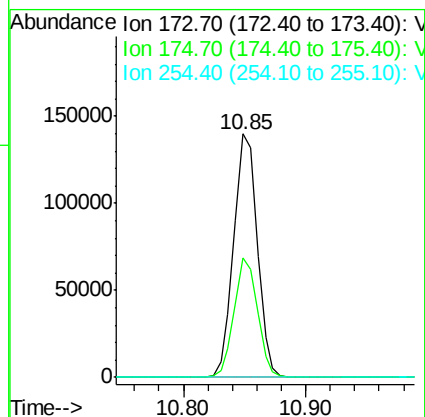
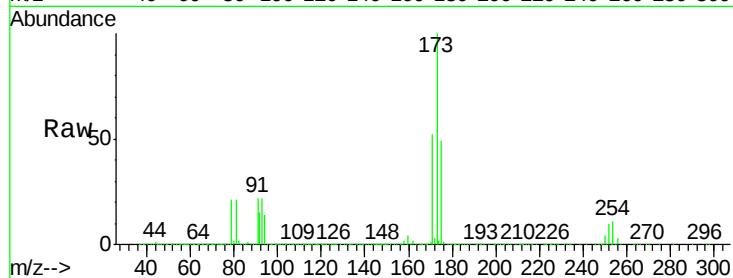
#71
Bromoform
Concen: 52.772 ug/l
RT: 10.85 min Scan# 1634
Delta R.T. -0.01 min
Lab File: VX014811.D
Acq: 05 Feb 2020 09:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.6	73.6
254	0.3	0.1	0.1#

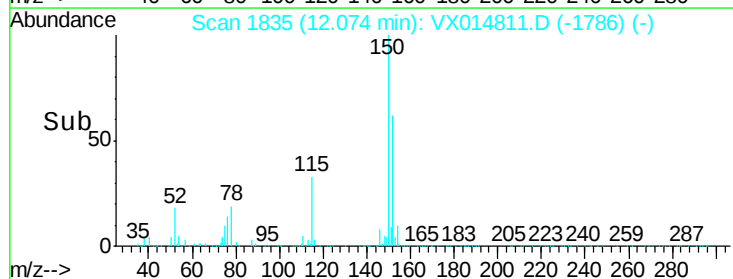
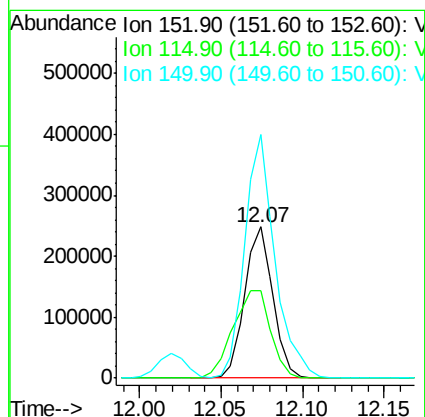
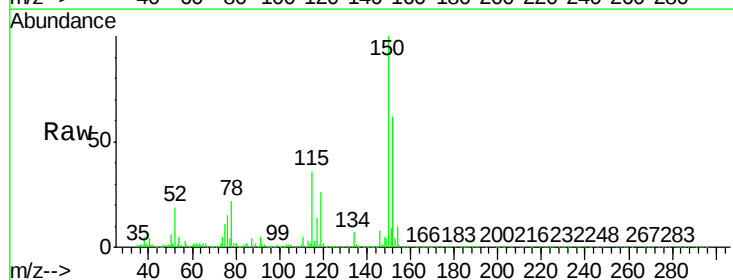
Manual Integrations
APPROVED

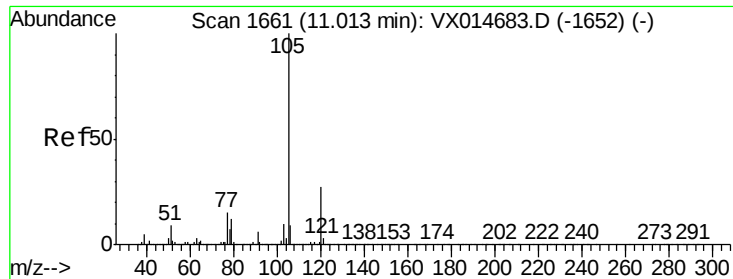
MMDadoda
2/6/2020 1:32:21 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX014811.D
Acq: 05 Feb 2020 09:46

Tgt Ion	Ratio	Lower	Upper
152	100		
115	77.8	39.4	118.1
150	173.3	0.0	351.2





#73

Isopropylbenzene

Concen: 49.682 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX014811.D

Acq: 05 Feb 2020 09:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 1042547

Ion Ratio Lower Upper

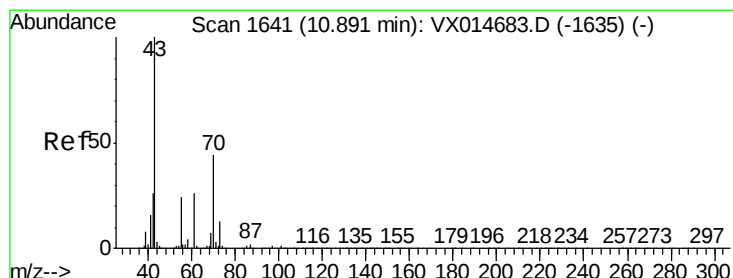
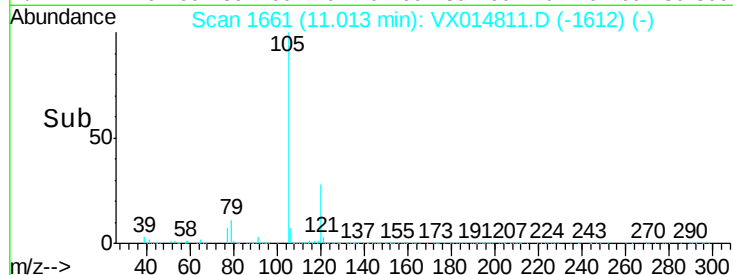
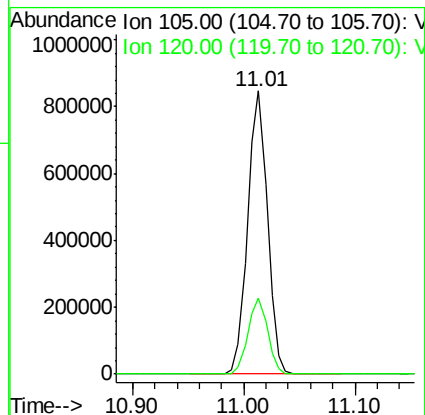
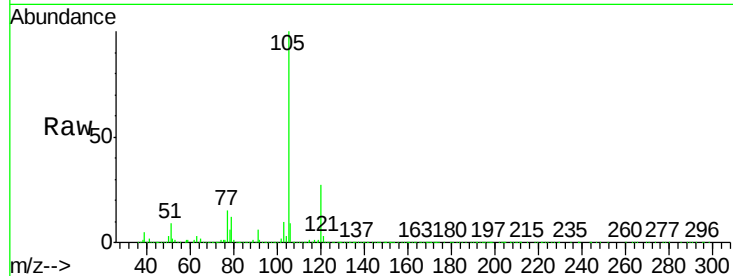
105 100

120 26.7 13.5 40.5

Manual Integrations
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#74

N-ethyl acetate

Concen: 47.916 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX014811.D

Acq: 05 Feb 2020 09:46

Tgt Ion: 43 Resp: 440610

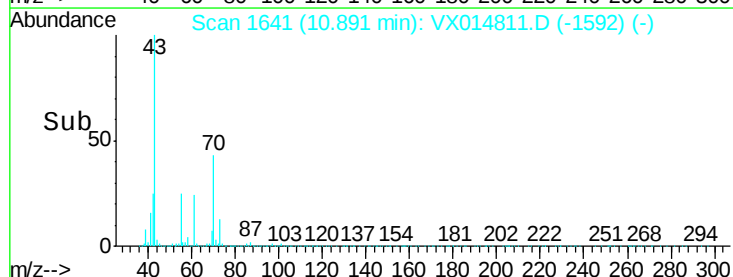
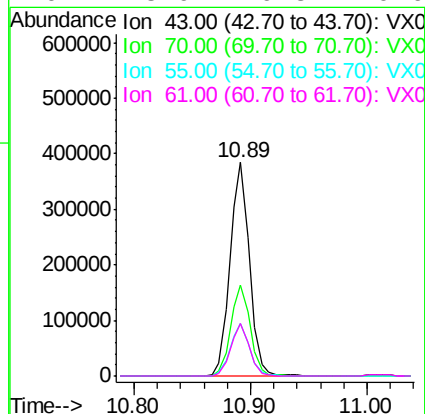
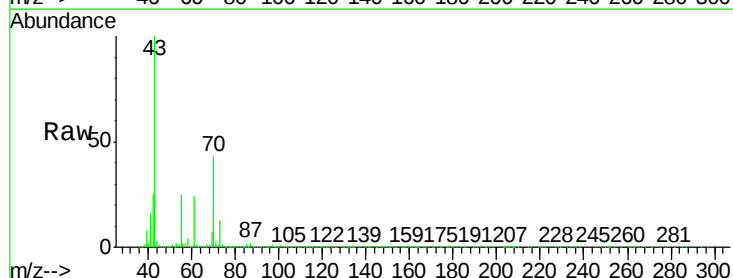
Ion Ratio Lower Upper

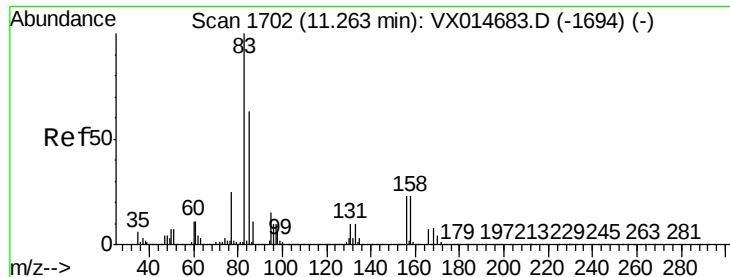
43 100

70 42.9 34.6 52.0

55 24.5 19.4 29.2

61 23.9 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 44.539 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX014811.D

Acq: 05 Feb 2020 09:46

Instrument :

MSVOA_X

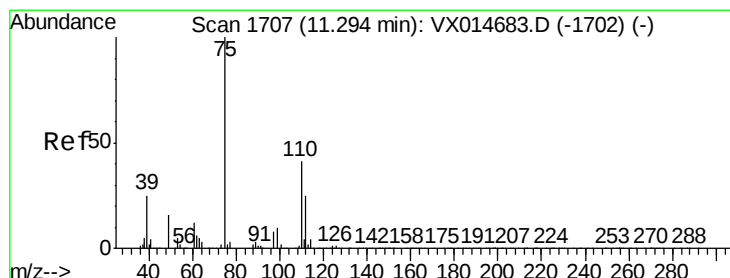
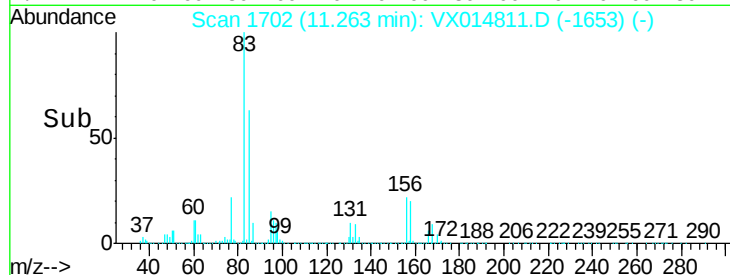
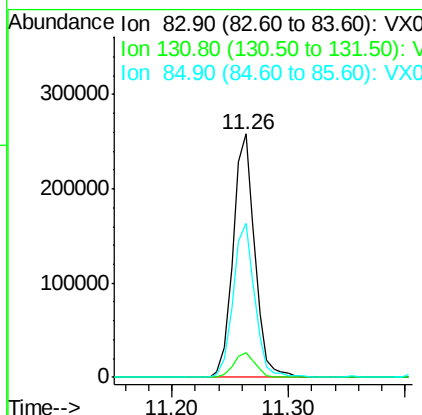
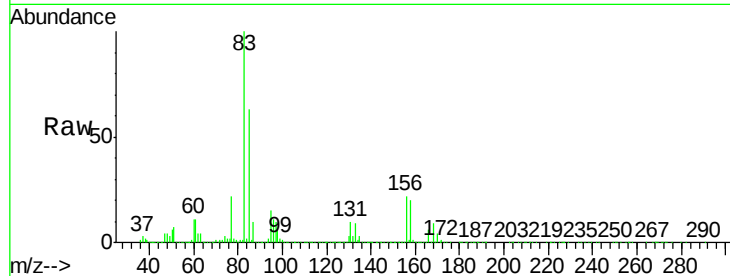
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	333705
Ion Ratio	Lower	Upper	
83	100		
131	10.0	5.0	15.0
85	63.4	31.7	95.1

Manual Integrations
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2/6/2020 1:32:21 PM



#76

1,2,3-Trichloropropane

Concen: 40.534 ug/l m

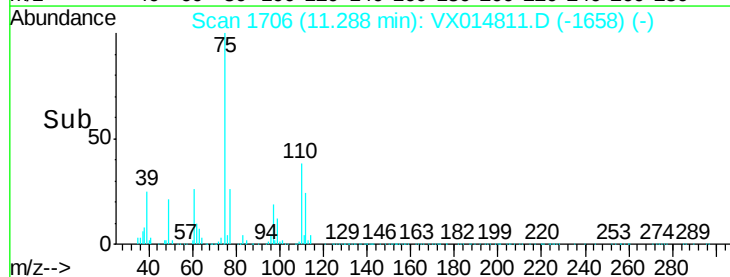
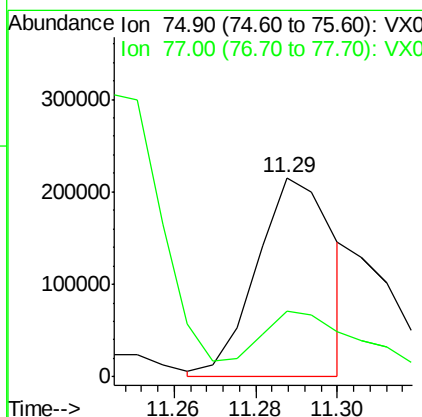
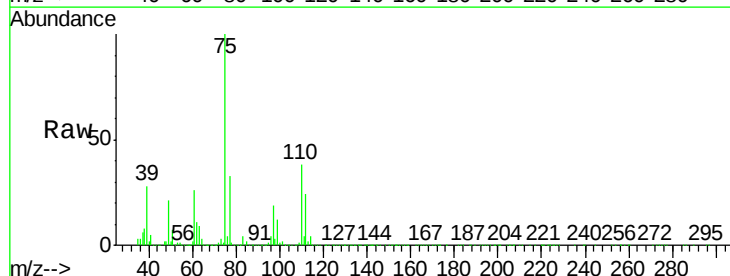
RT: 11.29 min Scan# 1706

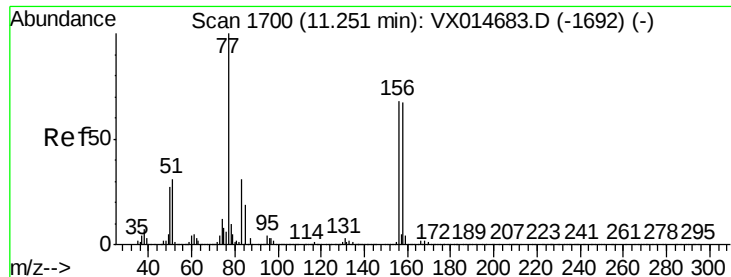
Delta R.T. -0.01 min

Lab File: VX014811.D

Acq: 05 Feb 2020 09:46

Tgt Ion:	75	Resp:	281443
Ion Ratio	Lower	Upper	
75	100		
77	45.0	18.7	56.1





#77

Bromobenzene

Concen: 48.650 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX014811.D

Acq: 05 Feb 2020 09:46

Instrument :

MSVOA_X

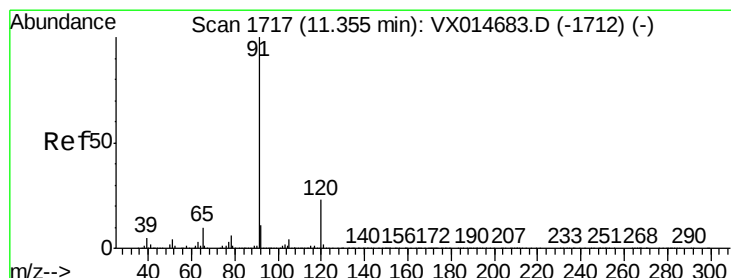
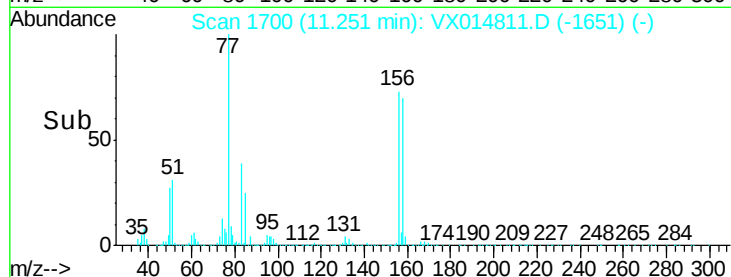
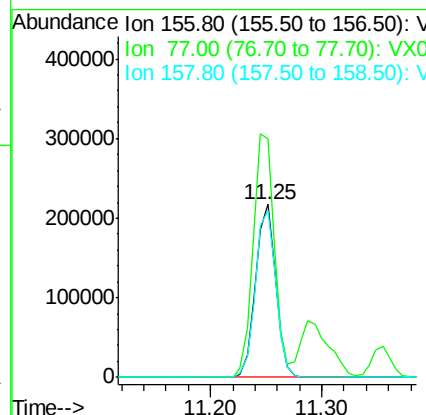
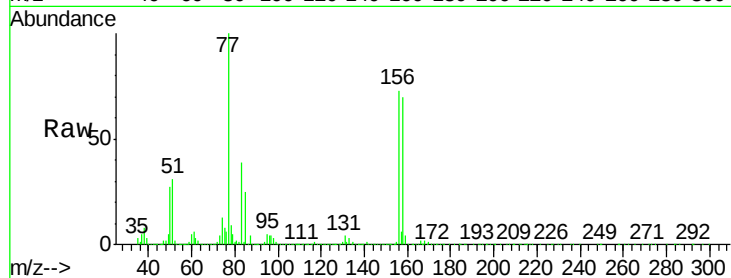
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	274256
Ion Ratio	Lower	Upper	
156	100		
77	146.8	77.5	232.5
158	97.7	49.1	147.3

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#78

n-propylbenzene

Concen: 50.456 ug/l

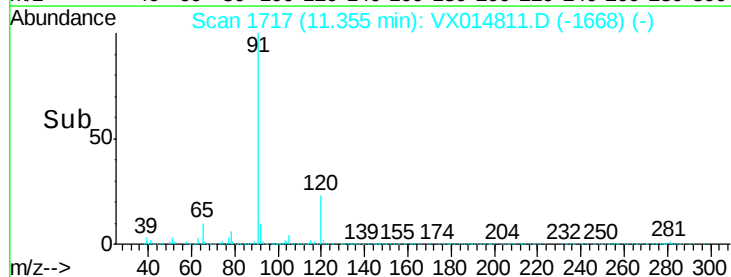
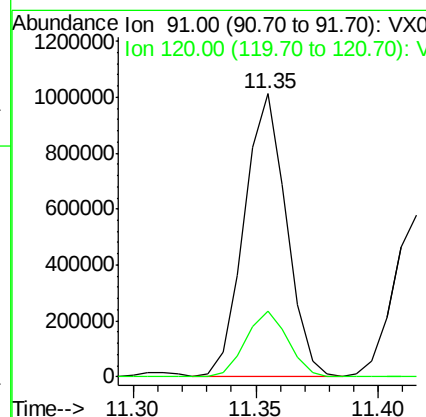
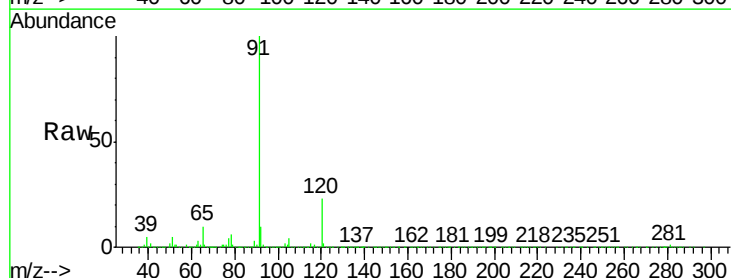
RT: 11.35 min Scan# 1717

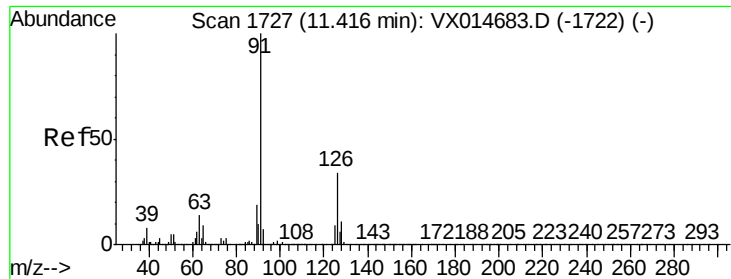
Delta R.T. 0.00 min

Lab File: VX014811.D

Acq: 05 Feb 2020 09:46

Tgt Ion:	91	Resp:	1201822
Ion Ratio	Lower	Upper	
91	100		
120	23.6	11.7	35.0





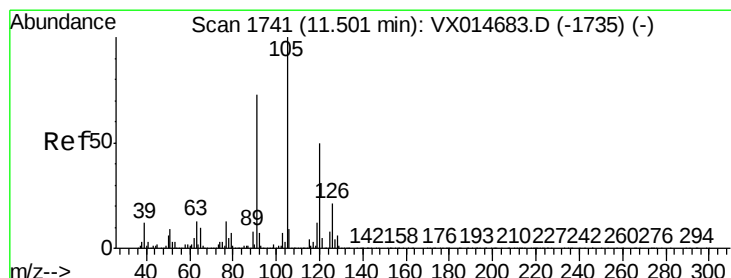
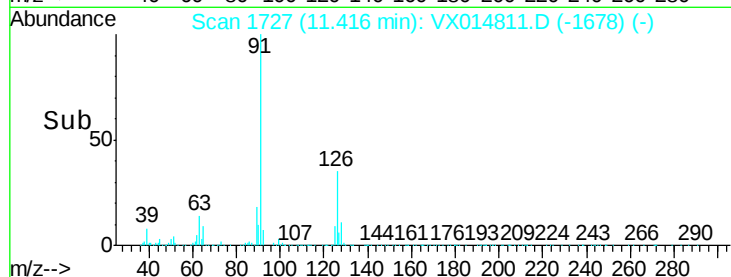
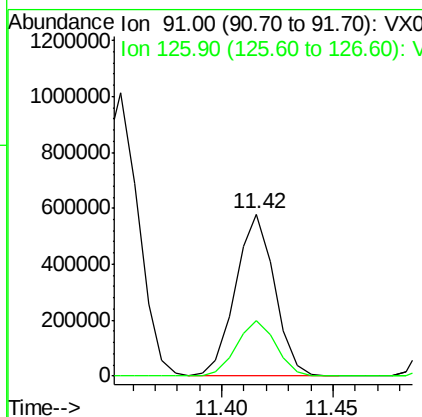
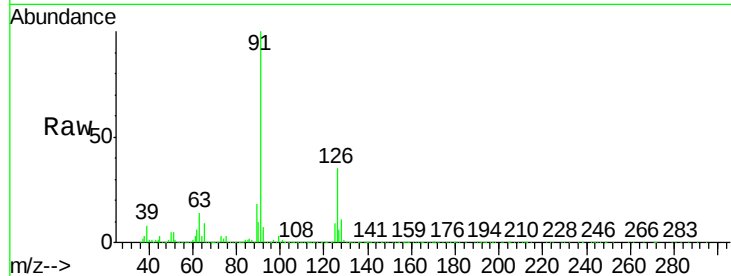
#79
 2-Chlorotoluene
 Concen: 49.059 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. 0.00 min
 Lab File: VX014811.D
 Acq: 05 Feb 2020 09:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
126	34.6	17.3	51.9

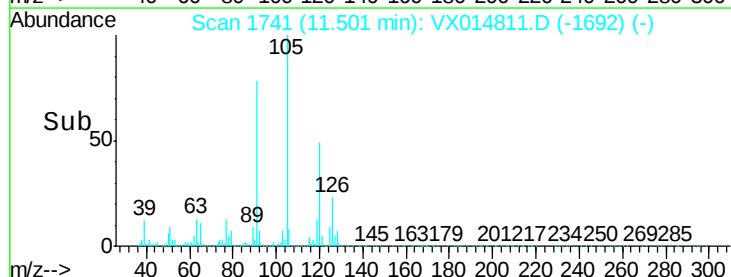
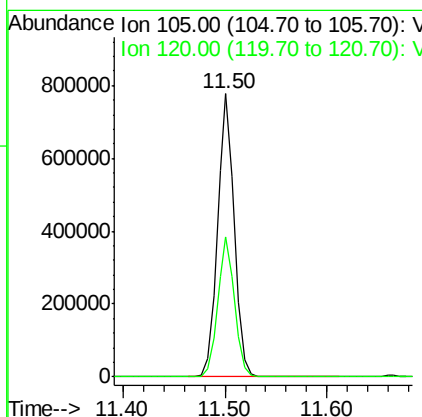
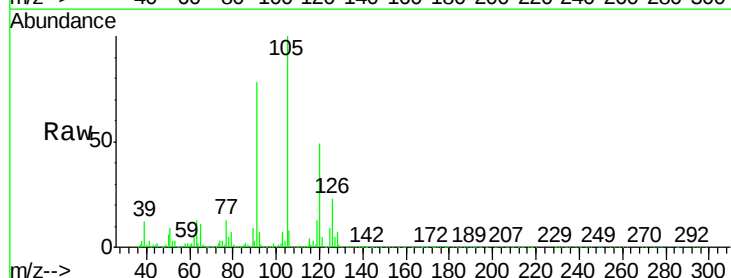
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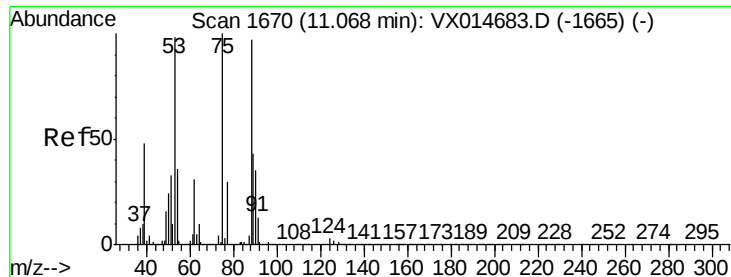
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#80
 1,3,5-Trimethylbenzene
 Concen: 51.252 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX014811.D
 Acq: 05 Feb 2020 09:46

Tgt Ion	Ratio	Lower	Upper
105	100		
120	49.5	24.9	74.6





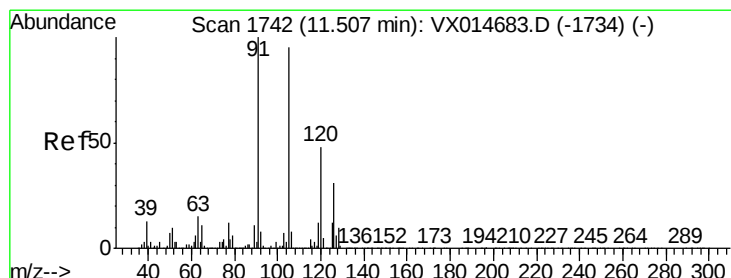
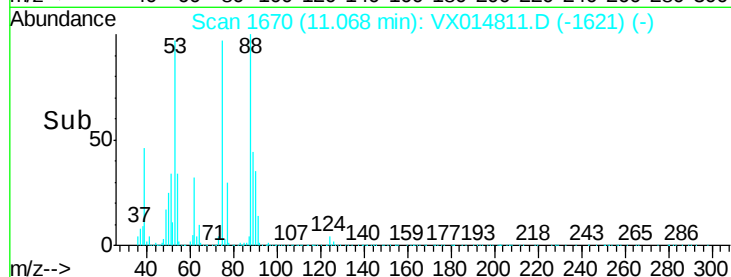
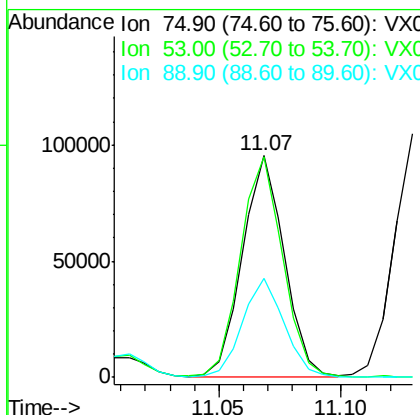
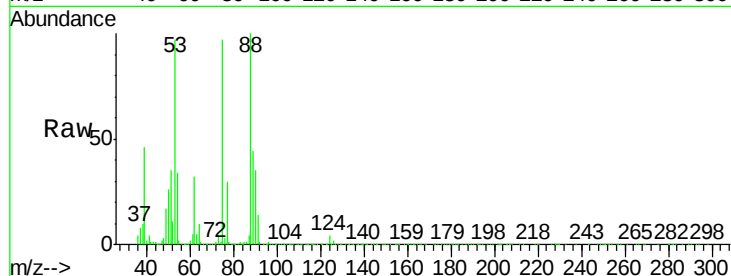
#81
trans-1,4-Dichloro-2-butene
Concen: 46.220 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VX014811.D
Acq: 05 Feb 2020 09:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	99.9	78.8	118.2
89	45.0	35.4	53.0

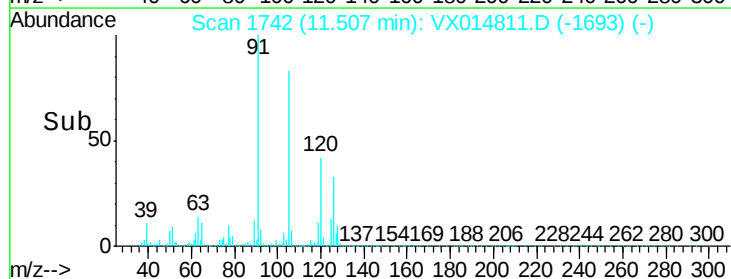
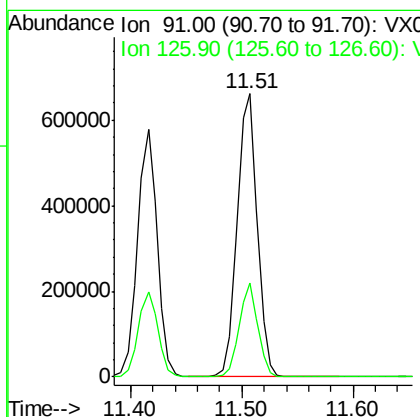
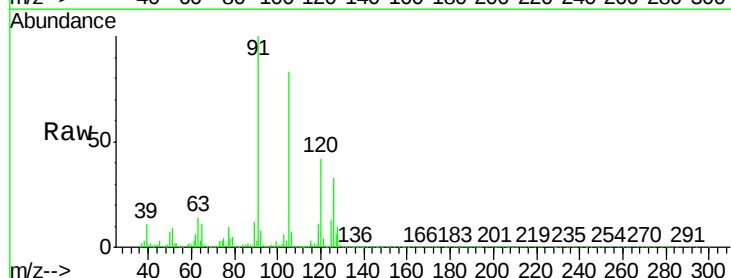
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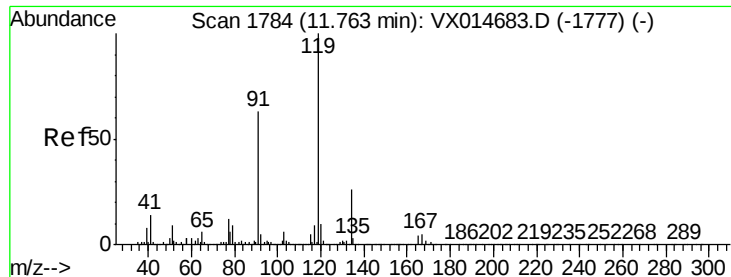
MMDadoda
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#82
4-Chlorotoluene
Concen: 50.158 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX014811.D
Acq: 05 Feb 2020 09:46

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.9	15.4	46.4





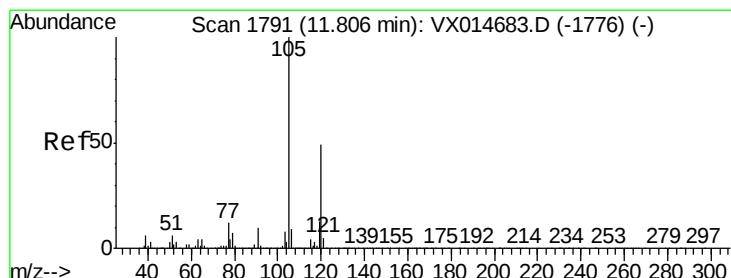
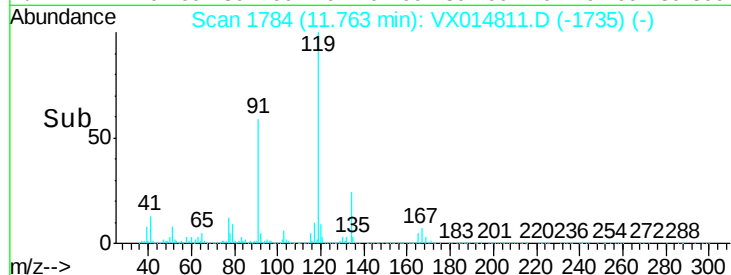
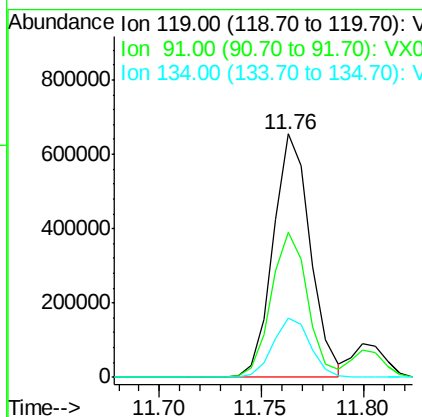
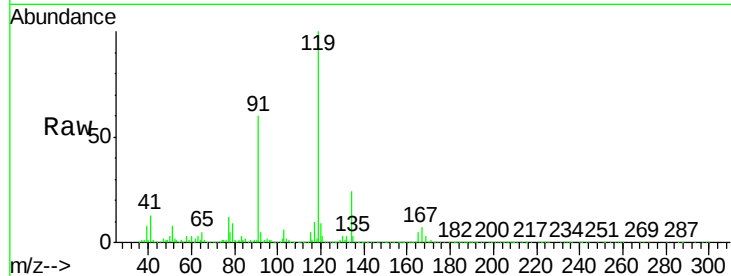
#83
tert-Butylbenzene
Concen: 50.882 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. 0.00 min
Lab File: VX014811.D
Acq: 05 Feb 2020 09:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	832713		
91	58.4	30.0	90.0	
134	24.5	12.7	38.0	

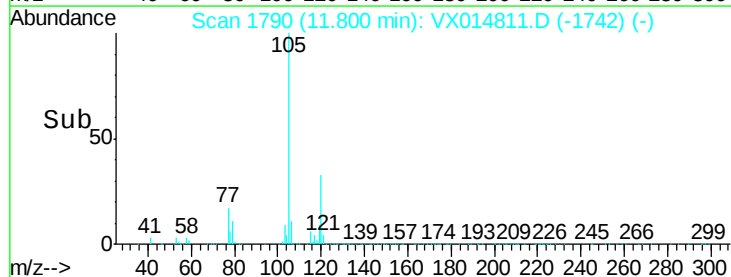
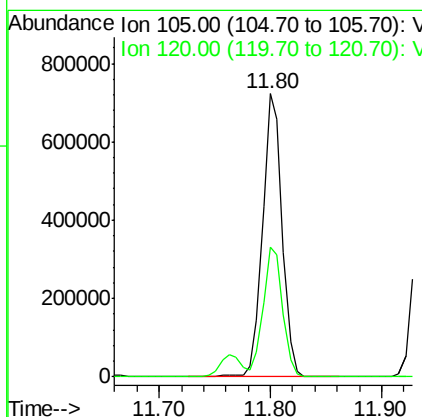
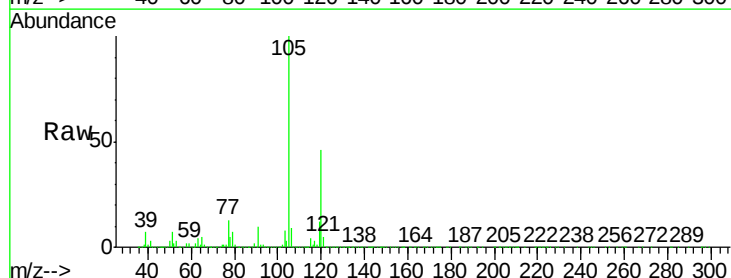
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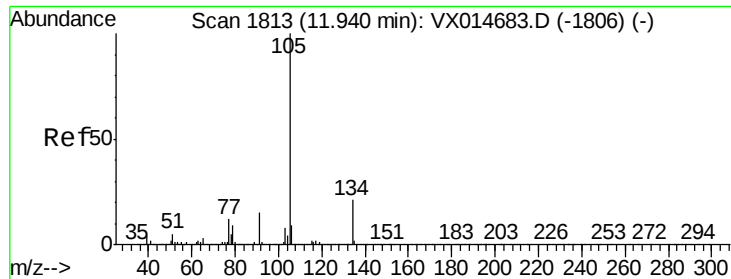
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#84
1,2,4-Trimethylbenzene
Concen: 50.983 ug/l
RT: 11.80 min Scan# 1790
Delta R.T. -0.01 min
Lab File: VX014811.D
Acq: 05 Feb 2020 09:46

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	890625		
120	45.5	23.4	70.0	





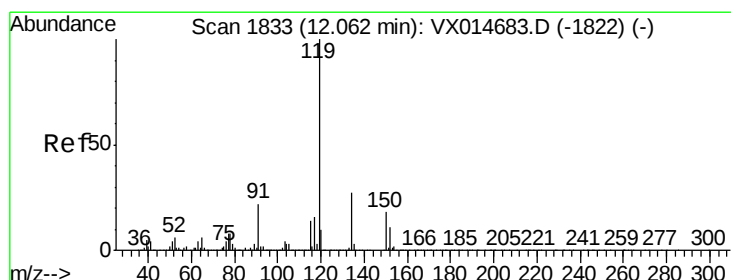
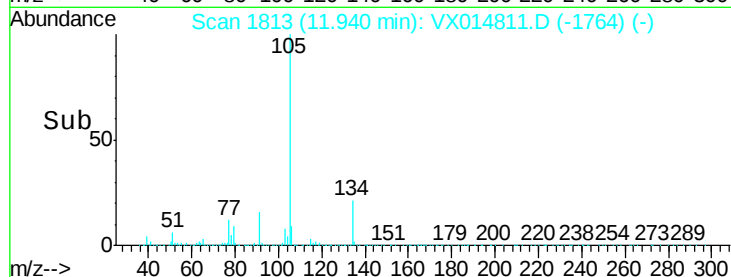
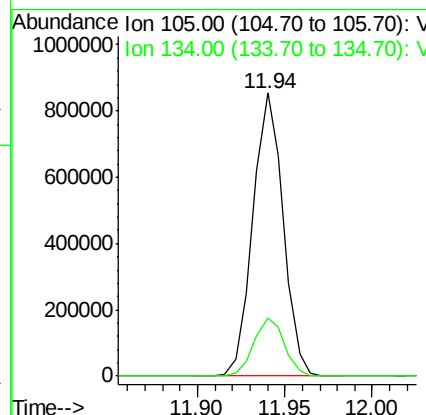
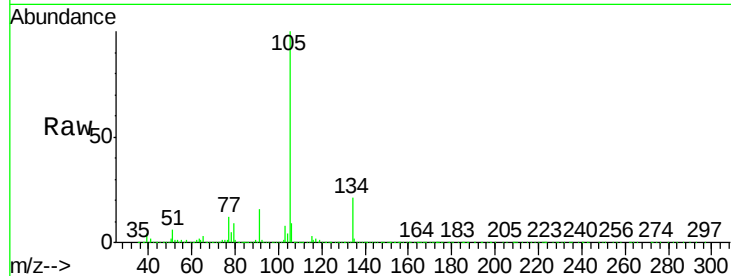
#85
 sec-Butylbenzene
 Concen: 51.126 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: VX014811.D
 Acq: 05 Feb 2020 09:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.8	10.3	30.8

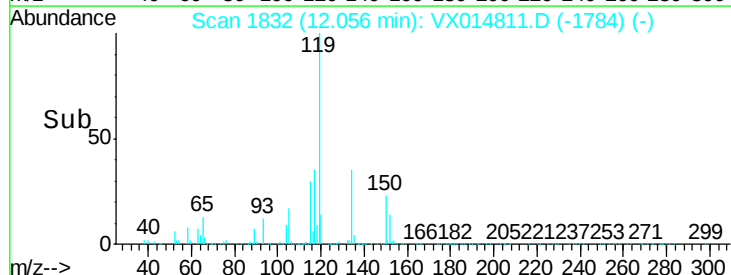
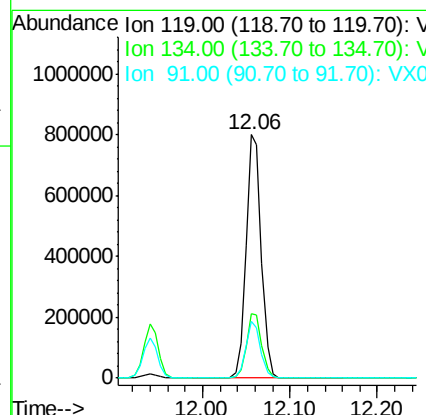
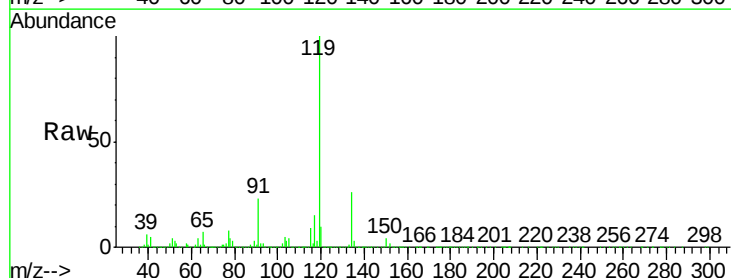
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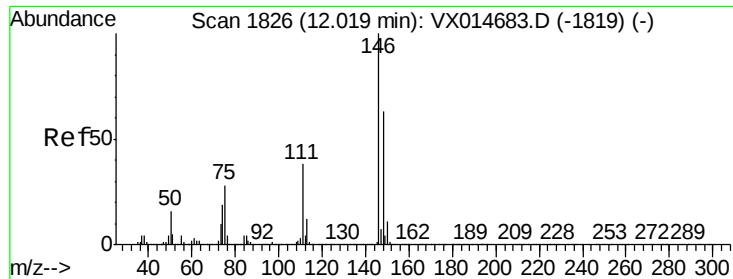
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#86
 p-Isopropyltoluene
 Concen: 52.152 ug/l
 RT: 12.06 min Scan# 1832
 Delta R.T. -0.01 min
 Lab File: VX014811.D
 Acq: 05 Feb 2020 09:46

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.3	13.5	40.4
91	22.6	11.3	33.8





#87

1,3-Dichlorobenzene

Concen: 48.493 ug/l

RT: 12.02 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VX014811.D

Acq: 05 Feb 2020 09:46

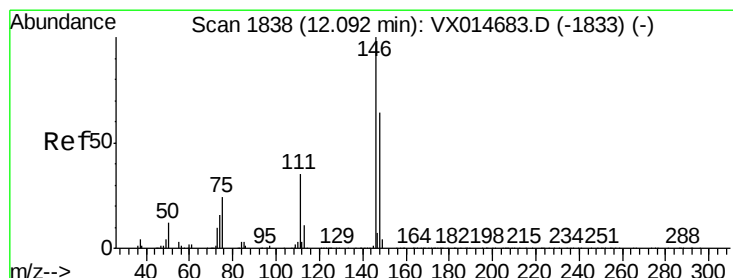
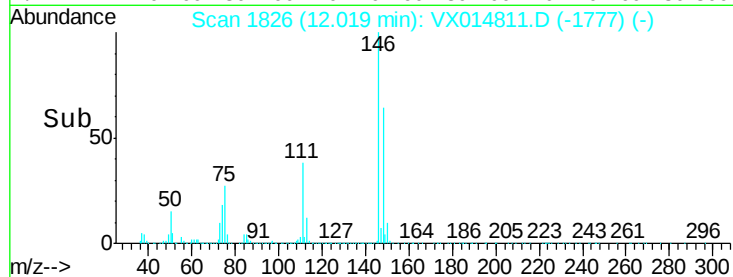
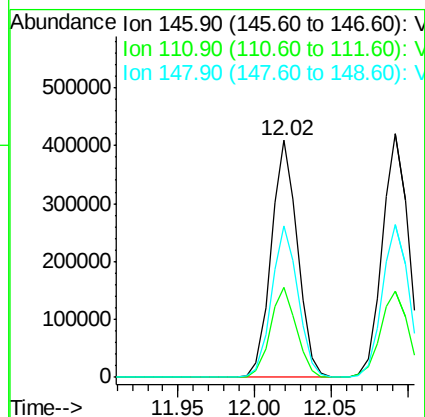
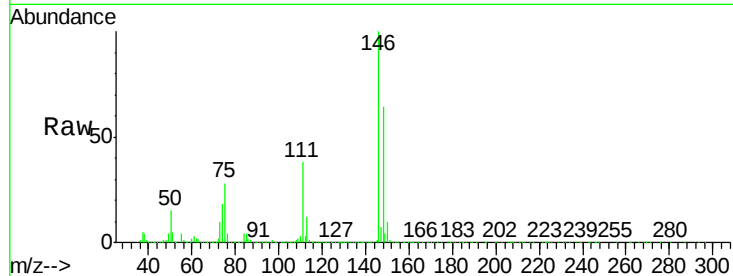
Instrument :
MSVOA_X

ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	19.0	57.0
148	64.0	31.6	95.0

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 49.042 ug/l

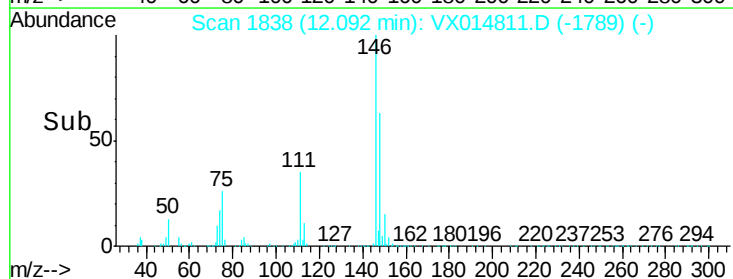
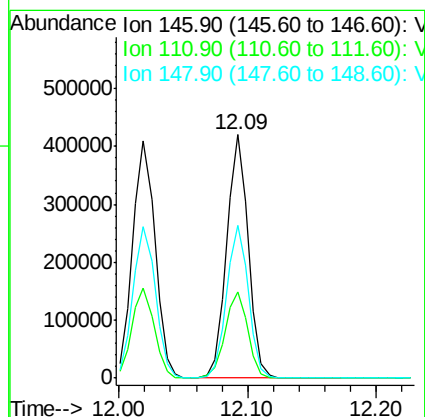
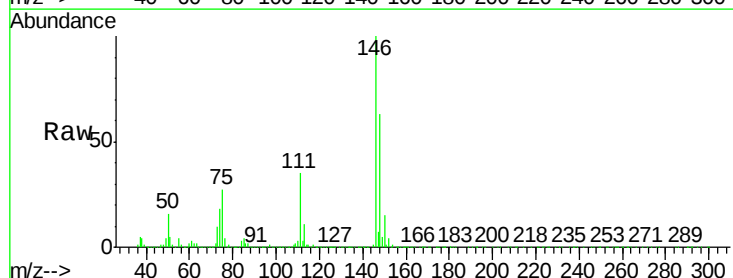
RT: 12.09 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VX014811.D

Acq: 05 Feb 2020 09:46

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.6	55.8
148	63.4	32.0	96.2





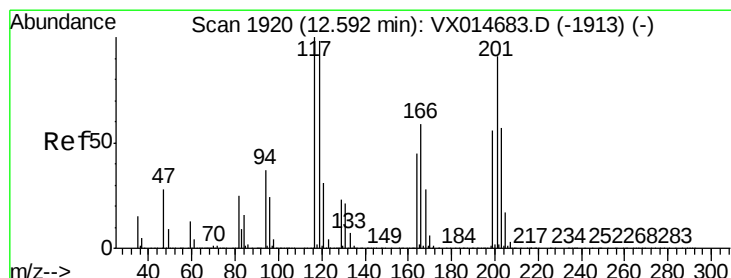
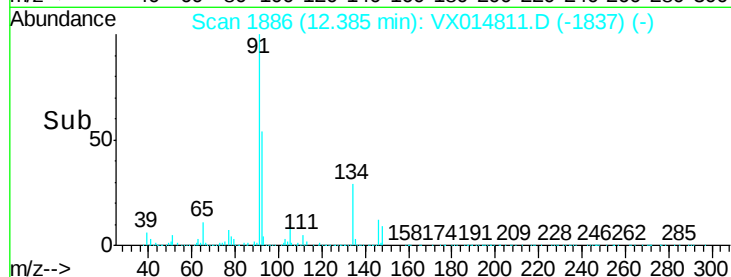
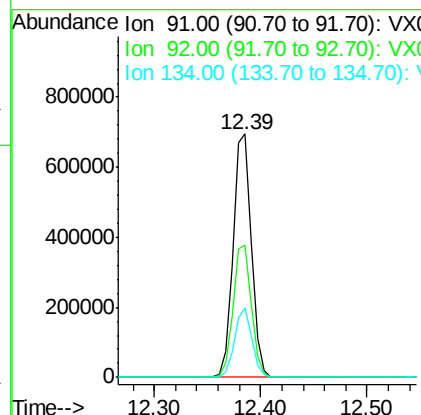
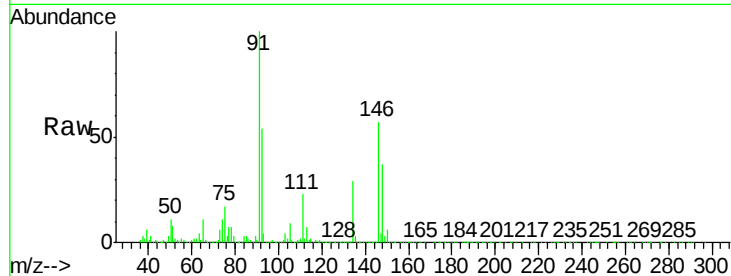
#89
n-Butylbenzene
Concen: 51.828 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX014811.D
Acq: 05 Feb 2020 09:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.4	27.6	82.7
134	27.0	13.3	39.8

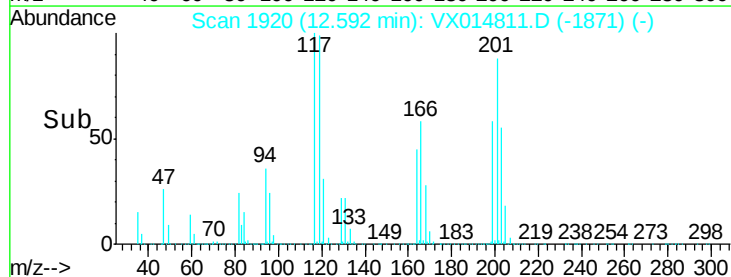
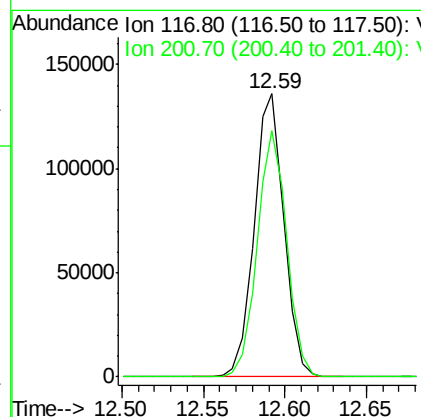
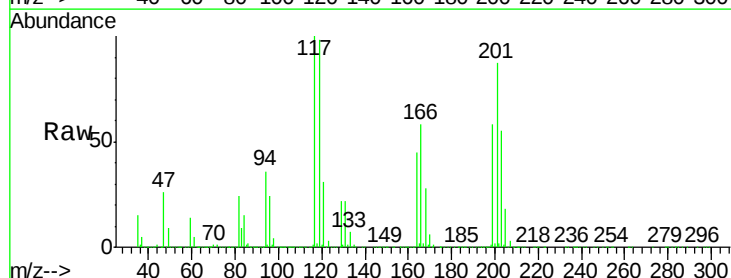
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#90
Hexachloroethane
Concen: 50.059 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX014811.D
Acq: 05 Feb 2020 09:46

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.0	44.4	133.1





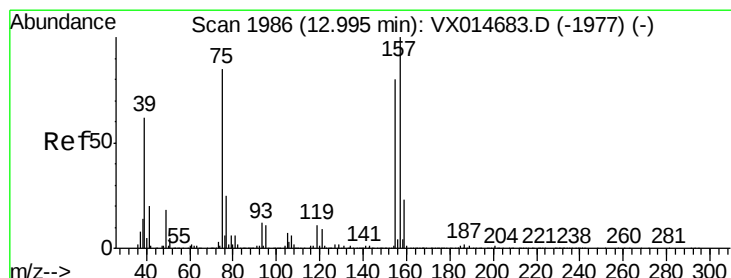
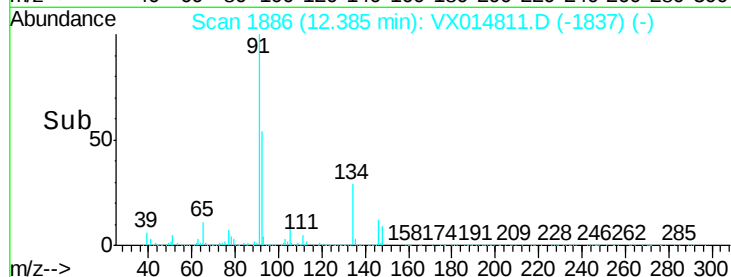
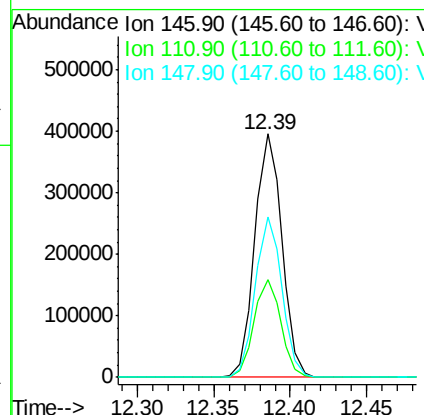
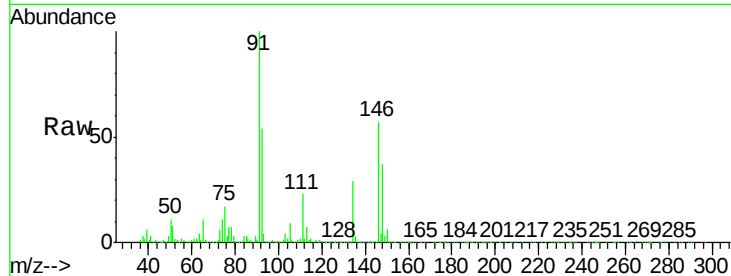
#91
 1,2-Dichlorobenzene
 Concen: 48.624 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX014811.D
 Acq: 05 Feb 2020 09:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.6	58.8
148	64.5	31.9	95.9

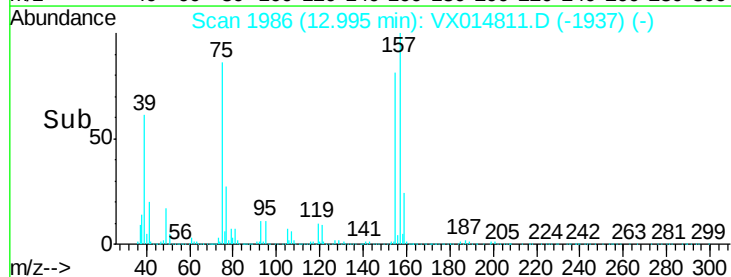
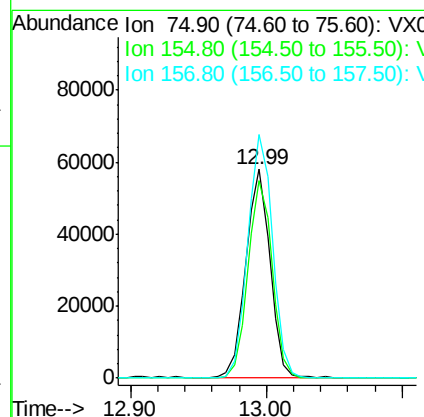
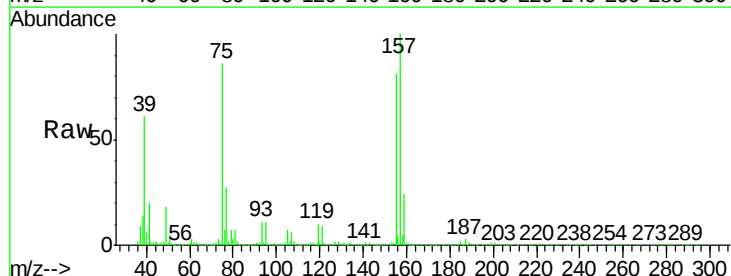
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.045 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX014811.D
 Acq: 05 Feb 2020 09:46

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.3	45.6	136.9
157	118.3	60.3	180.9





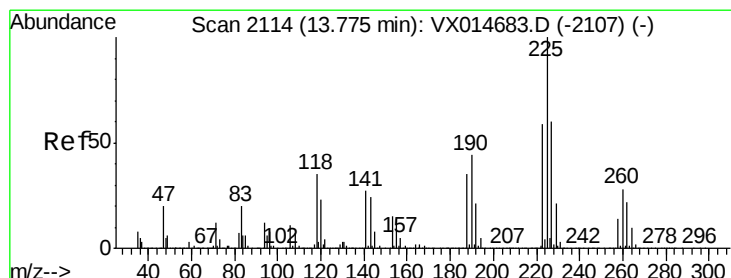
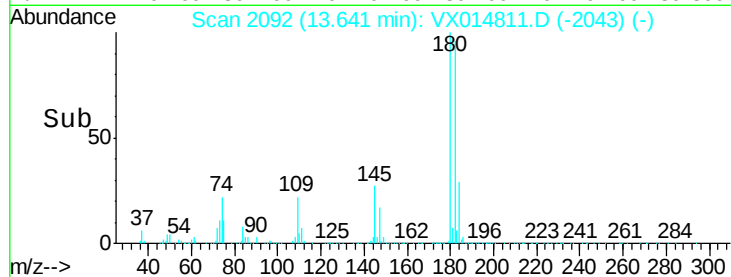
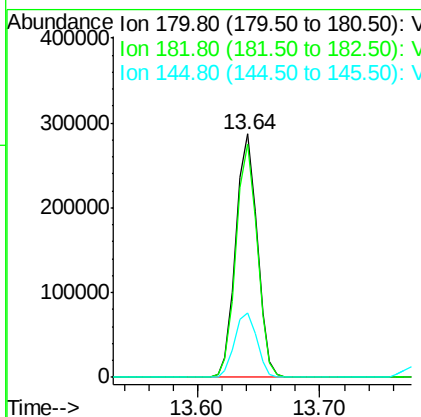
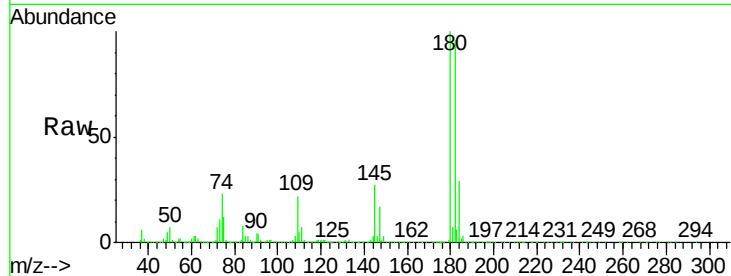
#93
 1,2,4-Trichlorobenzene
 Concen: 53.315 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX014811.D
 Acq: 05 Feb 2020 09:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	180	Resp:	345876
Ion Ratio	Lower	Upper	
180	100		
182	94.8	48.5	145.6
145	27.9	14.0	41.9

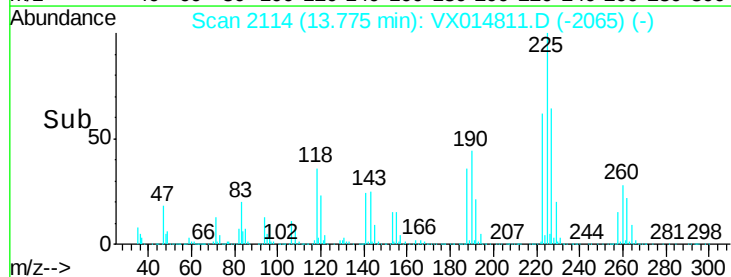
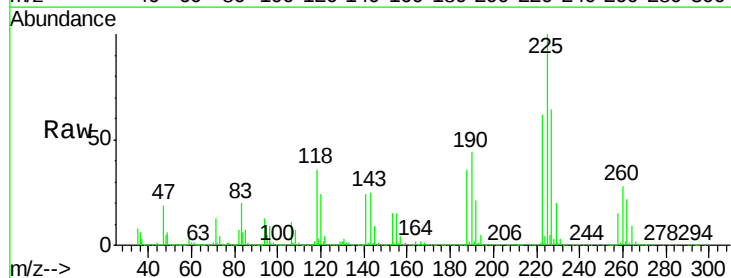
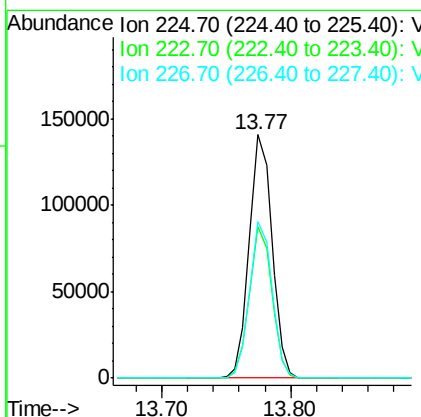
Manual Integrations
 APPROVED

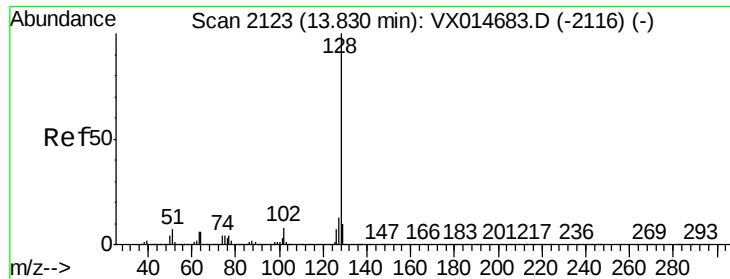
MMDadoda
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#94
 Hexachlorobutadiene
 Concen: 51.324 ug/l
 RT: 13.77 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VX014811.D
 Acq: 05 Feb 2020 09:46

Tgt Ion:	225	Resp:	171372
Ion Ratio	Lower	Upper	
225	100		
223	61.6	30.6	91.8
227	63.5	31.4	94.0





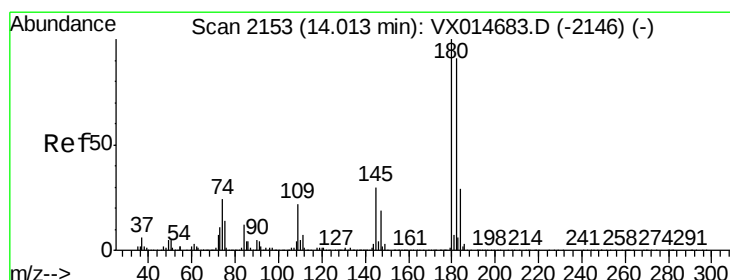
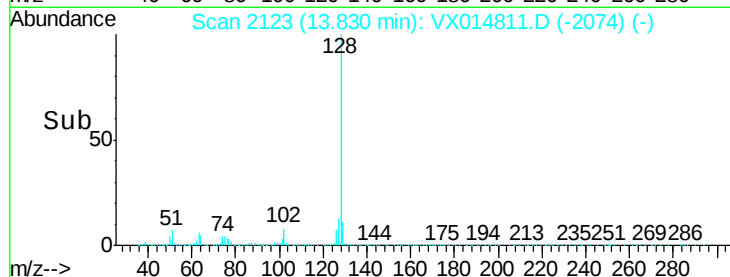
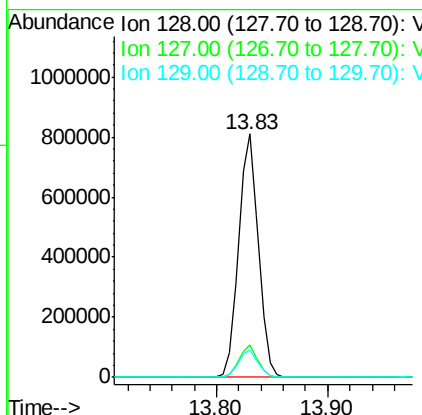
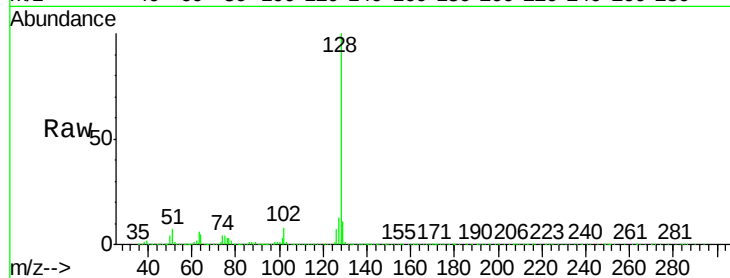
#95
Naphthalene
Concen: 47.290 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX014811.D
Acq: 05 Feb 2020 09:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	11.1	8.6	12.8

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 51.948 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. 0.00 min
Lab File: VX014811.D
Acq: 05 Feb 2020 09:46

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	46.6	139.7
145	29.5	14.7	44.1

