

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX021820\
 Data File : VX014947.D
 Acq On : 18 Feb 2020 09:54
 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
 2/19/2020 12:14:40 PM

Quant Time: Feb 19 00:20:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X021020W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 10 12:09:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	463223	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	674339	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	621130	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	329599	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	239827	45.88	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	91.76%	
35) Dibromofluoromethane	5.48	113	199440	48.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.22%	
50) Toluene-d8	8.71	98	753855	47.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.28%	
62) 4-Bromofluorobenzene	11.13	95	271987	47.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	218150	49.729	ug/l	99
3) Chloromethane	1.32	50	234427	47.135	ug/l	100
4) Vinyl Chloride	1.41	62	250793	46.810	ug/l	98
5) Bromomethane	1.63	94	160592	46.307	ug/l	96
6) Chloroethane	1.72	64	158268	46.167	ug/l	100
7) Trichlorofluoromethane	1.92	101	354966	47.420	ug/l	98
8) Diethyl Ether	2.18	74	146933	47.334	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	207813	47.827	ug/l	98
10) Methyl Iodide	2.50	142	242721	50.098	ug/l	98
11) Tert butyl alcohol	3.02	59	225463	244.260	ug/l	99
12) 1,1-Dichloroethene	2.37	96	203349	47.893	ug/l	96
13) Acrolein	2.28	56	166697	236.950	ug/l	97
14) Allyl chloride	2.72	41	351329	46.671	ug/l	99
15) Acrylonitrile	3.13	53	557969	238.449	ug/l	99
16) Acetone	2.43	43	782559	279.975	ug/l	99
17) Carbon Disulfide	2.56	76	526957	44.420	ug/l	100
18) Methyl Acetate	2.76	43	257081	48.827	ug/l	100
19) Methyl tert-butyl Ether	3.18	73	667072	48.275	ug/l	98
20) Methylene Chloride	2.85	84	225588	44.857	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	211817	45.212	ug/l	97
22) Diisopropyl ether	3.84	45	704435	48.996	ug/l	99
23) Vinyl Acetate	3.80	43	3019184	254.738	ug/l	99
24) 1,1-Dichloroethane	3.69	63	388512	47.879	ug/l	99
25) 2-Butanone	4.65	43	922147	259.095	ug/l	99
26) 2,2-Dichloropropane	4.57	77	334387	47.818	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	244305	46.649	ug/l	99
28) Bromochloromethane	5.00	49	154704	49.187	ug/l	100
29) Tetrahydrofuran	5.11	42	495859	245.083	ug/l	100
30) Chloroform	5.19	83	385737	47.913	ug/l	98
31) Cyclohexane	5.57	56	351681	47.585	ug/l	99
32) 1,1,1-Trichloroethane	5.48	97	335441	47.632	ug/l	98
36) 1,1-Dichloropropene	5.79	75	293534	48.661	ug/l	100
37) Ethyl Acetate	4.81	43	306674	48.744	ug/l	100
38) Carbon Tetrachloride	5.77	117	293043	49.850	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX021820\
 Data File : VX014947.D
 Acq On : 18 Feb 2020 09:54
 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
 2/19/2020 12:14:40 PM

Quant Time: Feb 19 00:20:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X021020W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 10 12:09:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	370133	49.063	ug/l	100
40) Benzene	6.13	78	881897	48.932	ug/l	99
41) Methacrylonitrile	5.02	41	173637	51.231	ug/l	99
42) 1,2-Dichloroethane	6.18	62	312571	47.984	ug/l	98
43) Isopropyl Acetate	6.43	43	515250	49.646	ug/l	100
44) Trichloroethene	7.20	130	247912	47.383	ug/l	97
45) 1,2-Dichloropropane	7.50	63	227450	49.484	ug/l	100
46) Dibromomethane	7.65	93	150161	47.793	ug/l	98
47) Bromodichloromethane	7.89	83	307045	49.287	ug/l	98
48) Methyl methacrylate	7.76	41	258368	50.585	ug/l	99
49) 1,4-Dioxane	7.73	88	99985	1046.998	ug/l	98
51) 4-Methyl-2-Pentanone	8.63	43	1574273	251.208	ug/l	100
52) Toluene	8.78	92	560606	48.973	ug/l	100
53) t-1,3-Dichloropropene	9.03	75	342128	50.111	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	375738	49.817	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	225948	48.787	ug/l	99
56) Ethyl methacrylate	9.17	69	355768	51.107	ug/l	99
57) 1,3-Dichloropropane	9.36	76	378388	48.536	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.30	63	912863	250.745	ug/l	99
59) 2-Hexanone	9.48	43	1296820	263.271	ug/l	100
60) Dibromochloromethane	9.57	129	251536	50.468	ug/l	98
61) 1,2-Dibromoethane	9.67	107	241115	48.251	ug/l	99
64) Tetrachloroethene	9.33	164	262996	45.287	ug/l	97
65) Chlorobenzene	10.13	112	616063	48.901	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	231502	50.616	ug/l	100
67) Ethyl Benzene	10.25	91	1075338	50.189	ug/l	99
68) m/p-Xylenes	10.36	106	823884	99.818	ug/l	100
69) o-Xylene	10.69	106	397450	50.093	ug/l	100
70) Styrene	10.71	104	688181	51.270	ug/l	99
71) Bromoform	10.85	173	196745	51.536	ug/l #	99
73) Isopropylbenzene	11.01	105	1069568	51.746	ug/l	100
74) N-amyl acetate	10.89	43	456473	53.151	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.26	83	333926	49.422	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	286958m	48.146	ug/l	
77) Bromobenzene	11.25	156	283659	49.169	ug/l	98
78) n-propylbenzene	11.35	91	1235416	51.677	ug/l	100
79) 2-Chlorotoluene	11.42	91	712830	50.720	ug/l	98
80) 1,3,5-Trimethylbenzene	11.50	105	900166	52.121	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	118428	50.861	ug/l	98
82) 4-Chlorotoluene	11.51	91	833196	50.061	ug/l	99
83) tert-Butylbenzene	11.76	119	867990	53.073	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	912721	52.441	ug/l	99
85) sec-Butylbenzene	11.94	105	1048717	51.618	ug/l	100
86) p-Isopropyltoluene	12.06	119	992407	52.198	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	502660	48.568	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	508852	48.146	ug/l	99
89) n-Butylbenzene	12.38	91	859161	50.457	ug/l	100
90) Hexachloroethane	12.59	117	177317	53.405	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	506519	49.906	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	74899	47.250	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX021820\
Data File : VX014947.D
Acq On : 18 Feb 2020 09:54
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

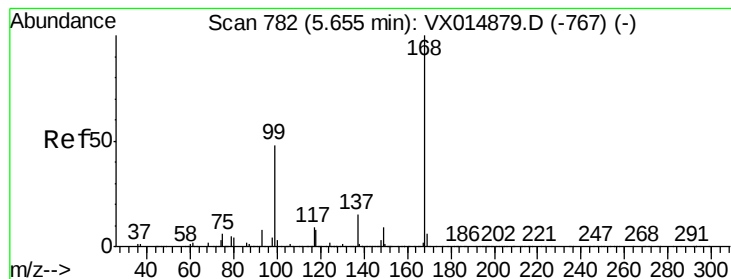
Manual Integrations
APPROVED

MMDadoda
2/19/2020 12:14:40 PM

Quant Time: Feb 19 00:20:01 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X021020W.M
Quant Title : SW846 8260
QLast Update : Mon Feb 10 12:09:20 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	360570	48.131	ug/l	99
94) Hexachlorobutadiene	13.78	225	179760	49.610	ug/l	96
95) Naphthalene	13.83	128	1045985	52.513	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	362180	50.040	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.01 min

Lab File: VX014947.D

Acq: 18 Feb 2020 09:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 463223

Ion Ratio Lower Upper

168 100

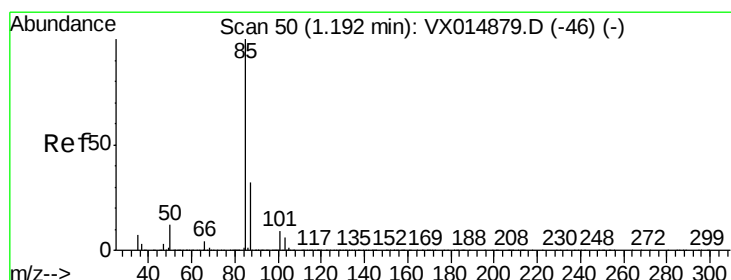
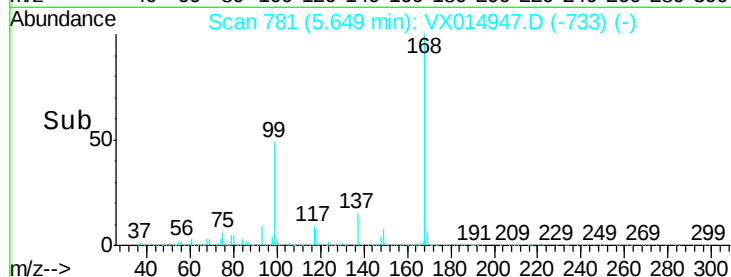
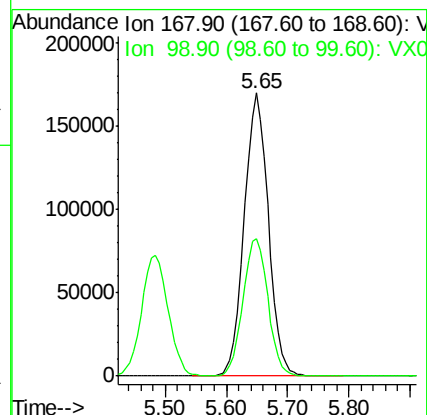
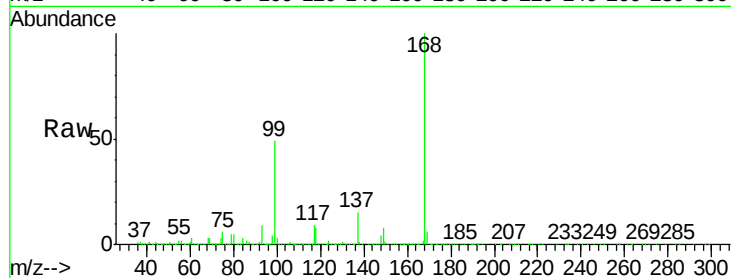
99 48.5 38.7 58.1

Manual Integrations

APPROVED

MMDadoda

2/19/2020 12:14:40 PM



#2

Dichlorodifluoromethane

Concen: 49.729 ug/l

RT: 1.19 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX014947.D

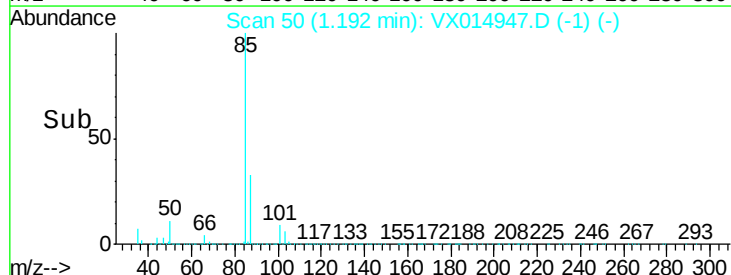
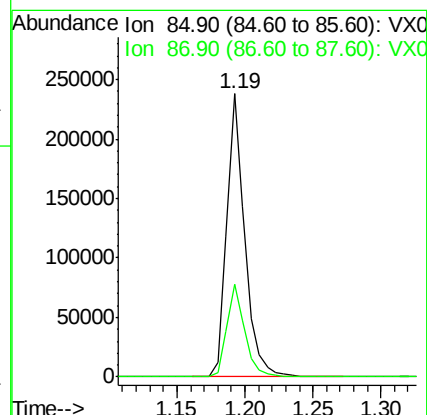
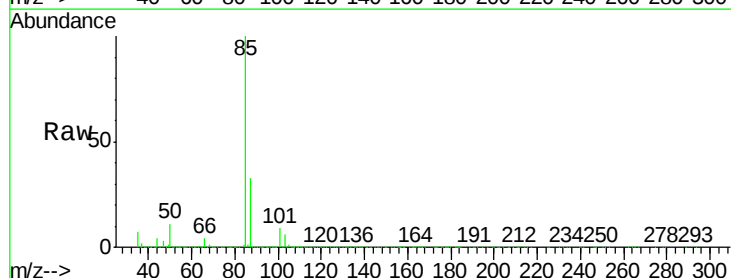
Acq: 18 Feb 2020 09:54

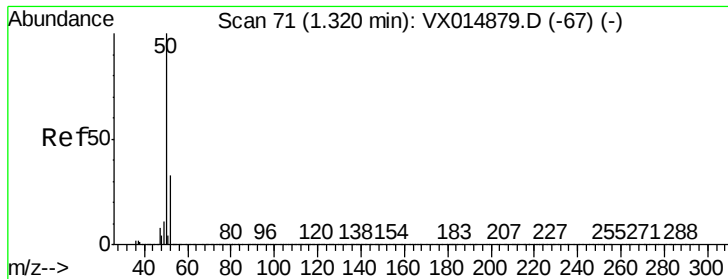
Tgt Ion: 85 Resp: 218150

Ion Ratio Lower Upper

85 100

87 32.8 16.1 48.2





#3

Chloromethane

Concen: 47.135 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX014947.D

Acq: 18 Feb 2020 09:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 234427

Ion Ratio Lower Upper

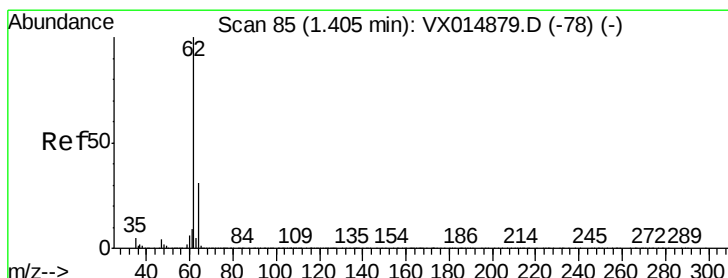
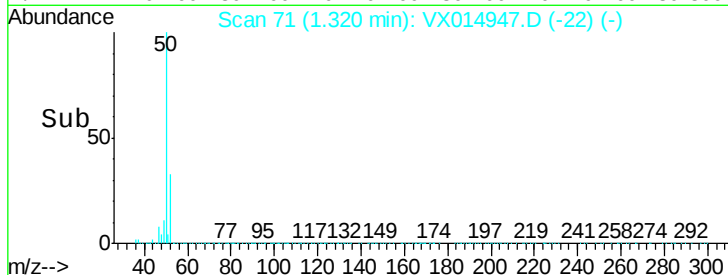
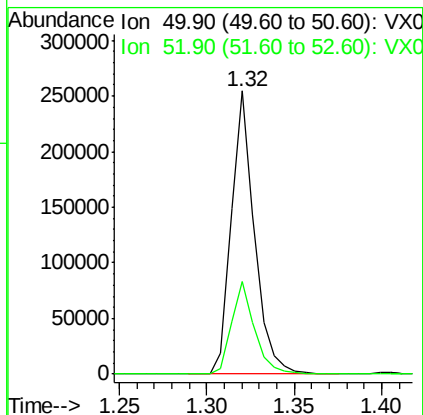
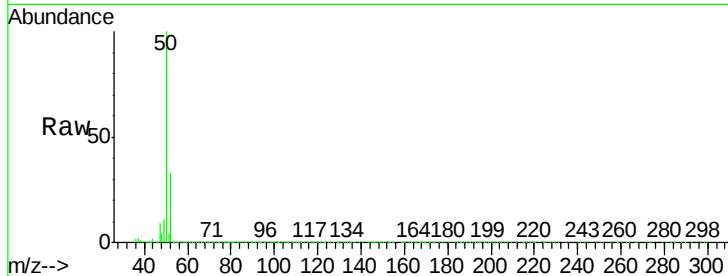
50 100

52 32.9 26.2 39.2

Manual Integrations
APPROVED

MMDadoda

2/19/2020 12:14:40 PM



#4

Vinyl Chloride

Concen: 46.810 ug/l

RT: 1.41 min Scan# 85

Delta R.T. 0.00 min

Lab File: VX014947.D

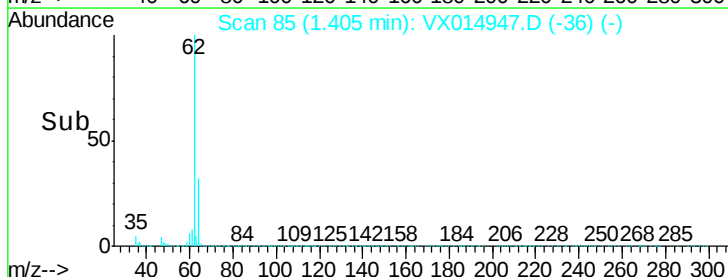
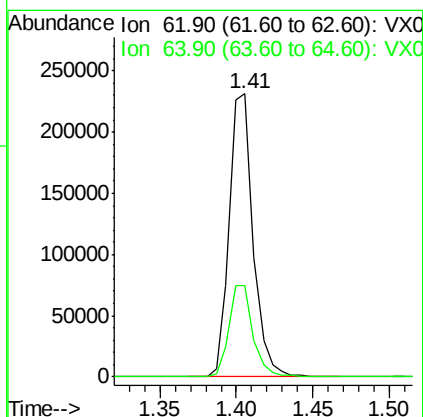
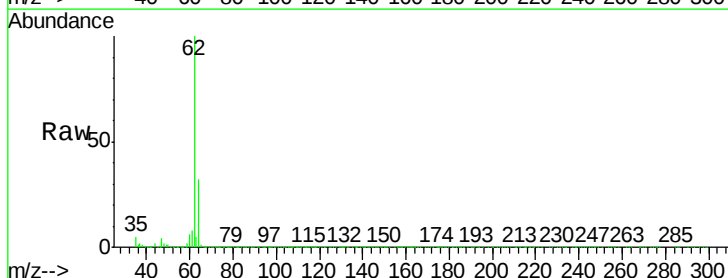
Acq: 18 Feb 2020 09:54

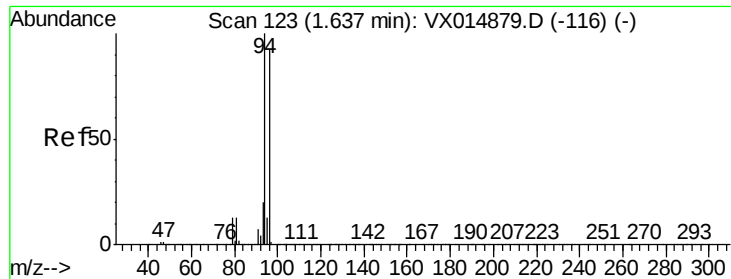
Tgt Ion: 62 Resp: 250793

Ion Ratio Lower Upper

62 100

64 32.1 24.8 37.2





#5

Bromomethane

Concen: 46.307 ug/l

RT: 1.63 min Scan# 122

Delta R.T. -0.01 min

Lab File: VX014947.D

Acq: 18 Feb 2020 09:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 160592

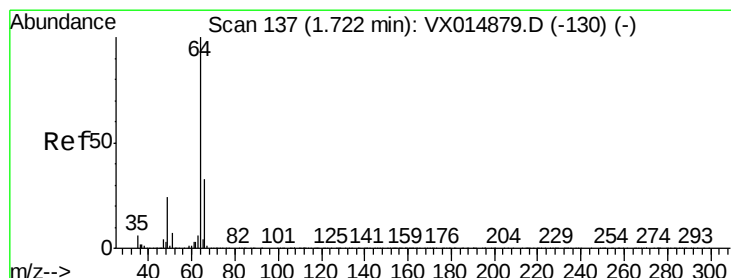
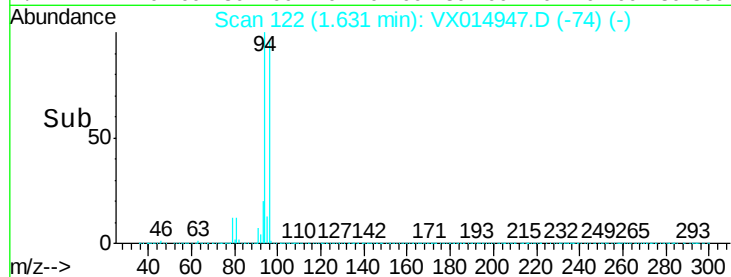
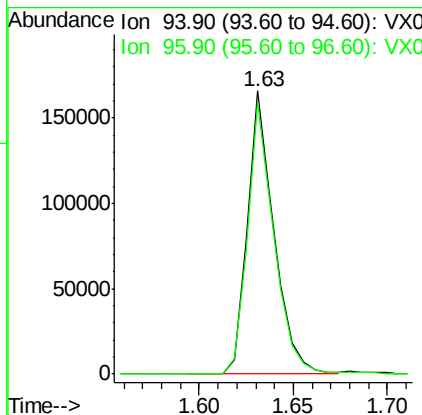
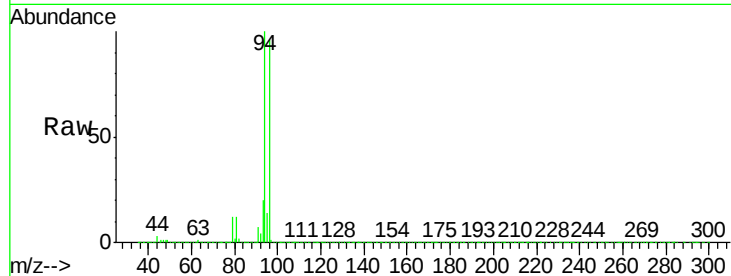
Ion Ratio Lower Upper

94 100

96 96.0 73.7 110.5

Manual Integrations
APPROVED

MMDadoda
2/19/2020 12:14:40 PM



#6

Chloroethane

Concen: 46.167 ug/l

RT: 1.72 min Scan# 136

Delta R.T. -0.01 min

Lab File: VX014947.D

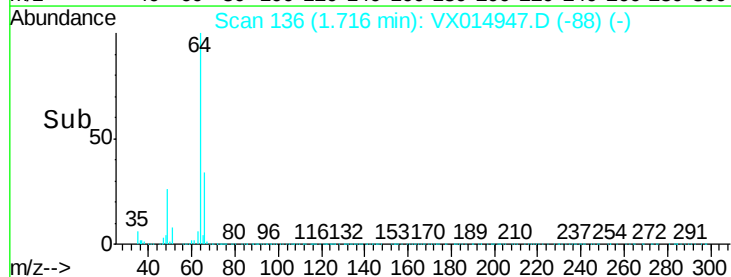
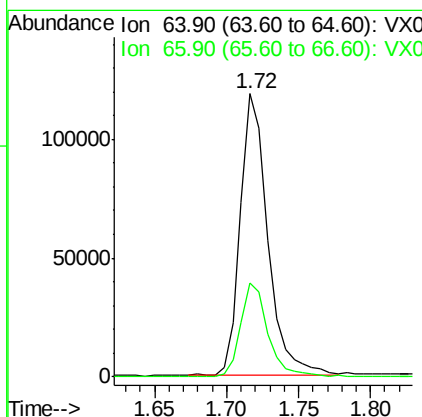
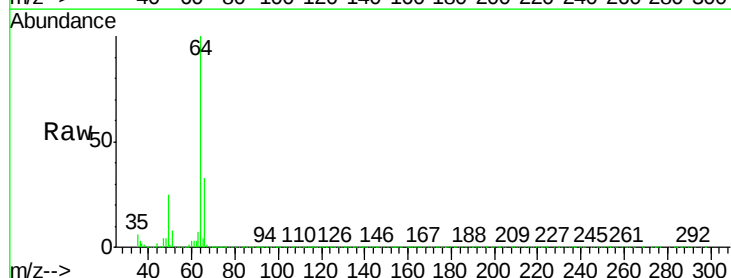
Acq: 18 Feb 2020 09:54

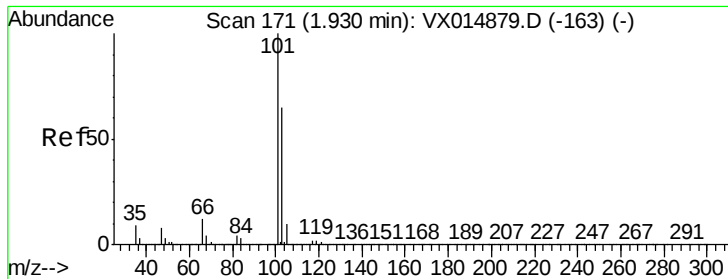
Tgt Ion: 64 Resp: 158268

Ion Ratio Lower Upper

64 100

66 33.0 26.2 39.4





#7

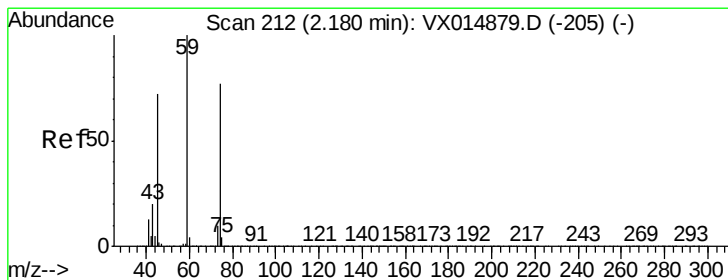
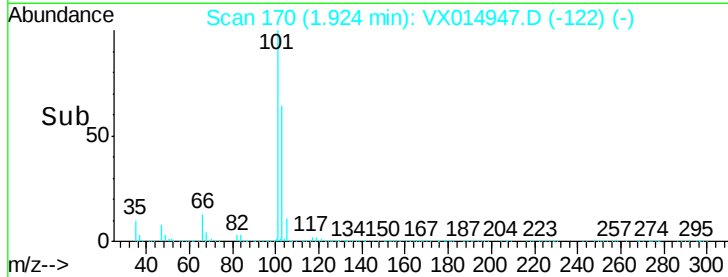
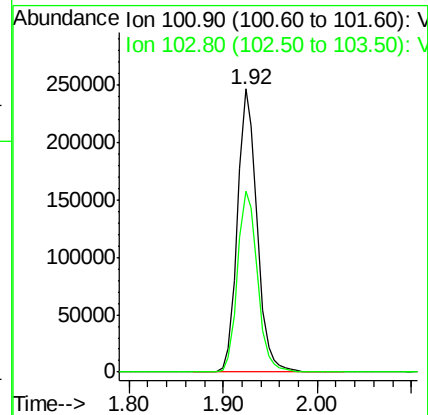
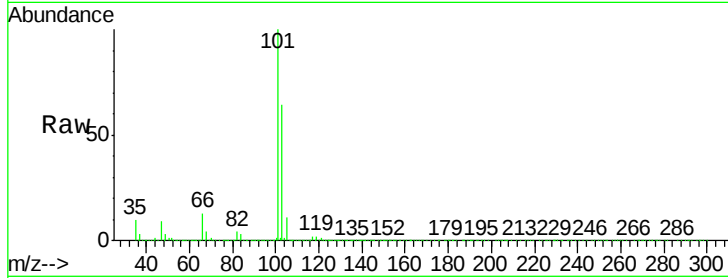
Trichlorofluoromethane
Concen: 47.420 ug/l
RT: 1.92 min Scan# 170
Delta R.T. -0.01 min
Lab File: VX014947.D
Acq: 18 Feb 2020 09:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.9	52.2	78.4

Manual Integrations
APPROVED

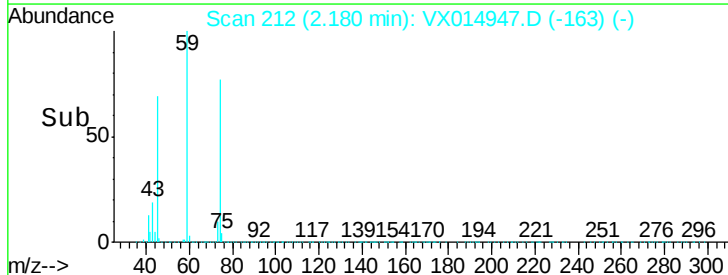
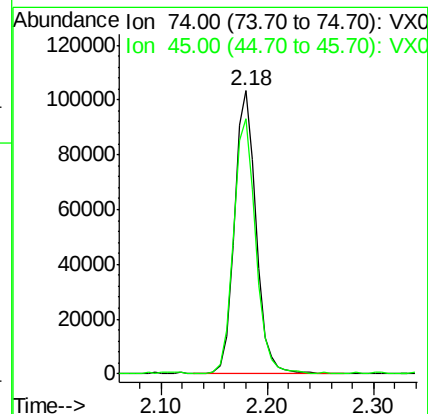
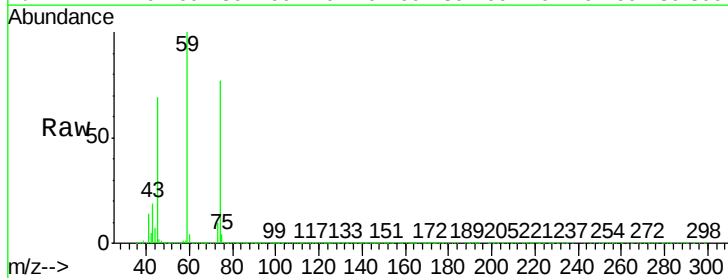
MMDadoda
2/19/2020 12:14:40 PM

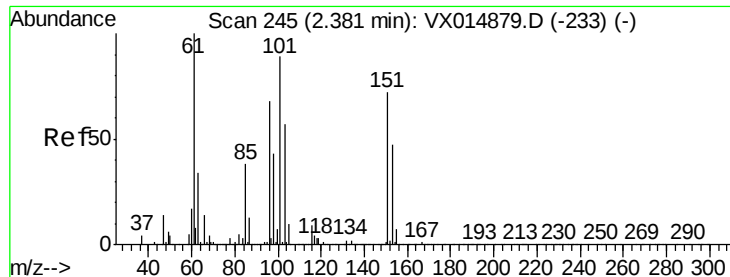


#8

Diethyl Ether
Concen: 47.334 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX014947.D
Acq: 18 Feb 2020 09:54

Tgt Ion	Ratio	Lower	Upper
74	100		
45	91.8	46.6	139.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.827 ug/l

RT: 2.37 min Scan# 244

Delta R.T. -0.01 min

Lab File: VX014947.D

Acq: 18 Feb 2020 09:54

Instrument :

MSVOA_X

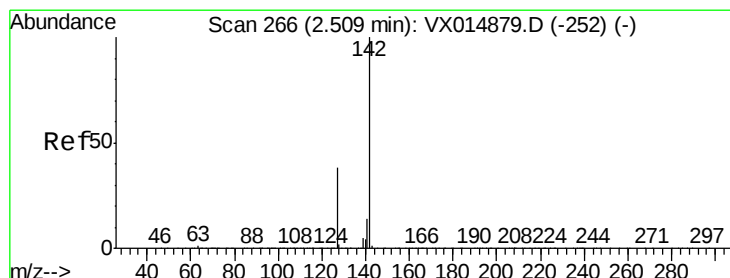
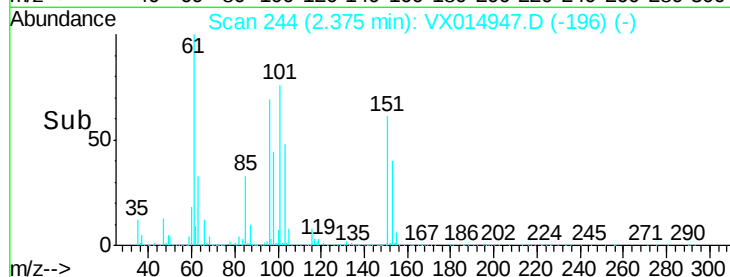
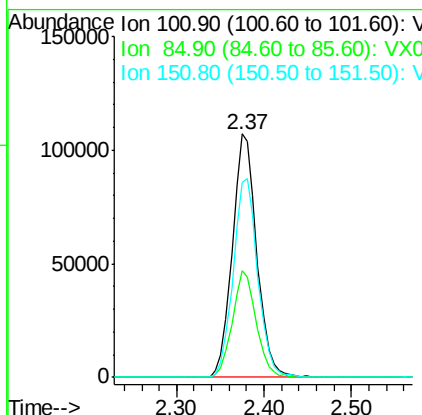
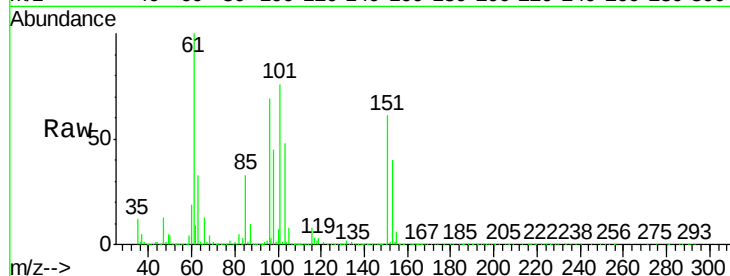
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	207813
Ion Ratio	Lower	Upper	
101	100		
85	42.9	34.1	51.1
151	82.3	67.3	100.9

Manual Integrations
APPROVED

MMDadoda
2/19/2020 12:14:40 PM



#10

Methyl Iodide

Concen: 50.098 ug/l

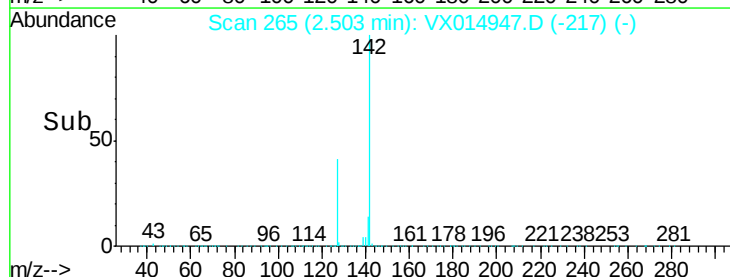
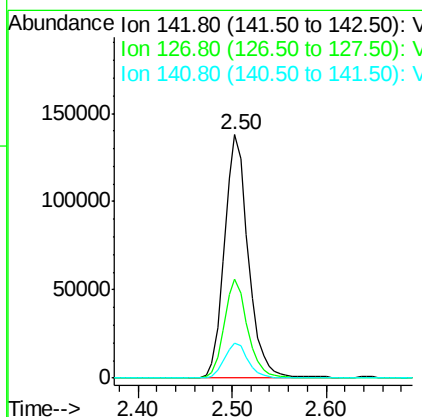
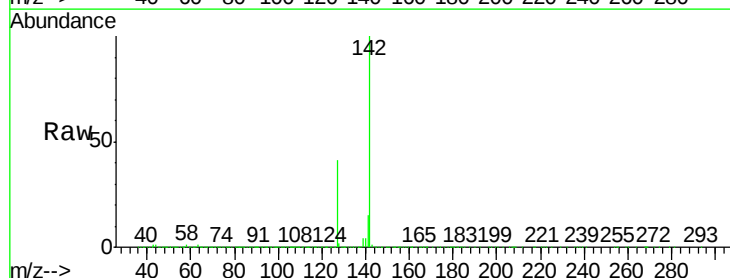
RT: 2.50 min Scan# 265

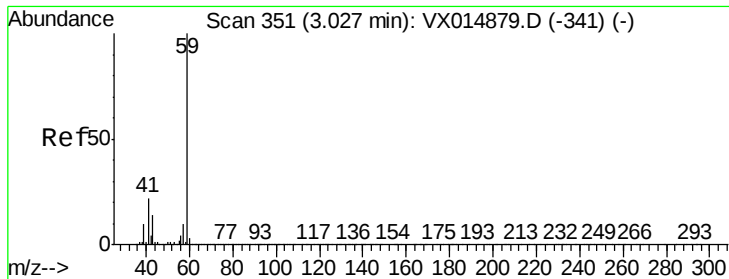
Delta R.T. -0.01 min

Lab File: VX014947.D

Acq: 18 Feb 2020 09:54

Tgt Ion:	142	Resp:	242721
Ion Ratio	Lower	Upper	
142	100		
127	40.1	31.1	46.7
141	14.6	11.3	16.9





#11

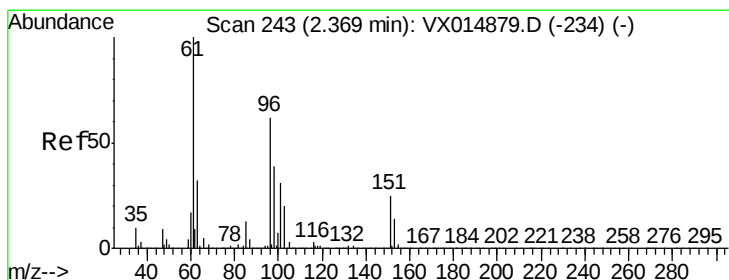
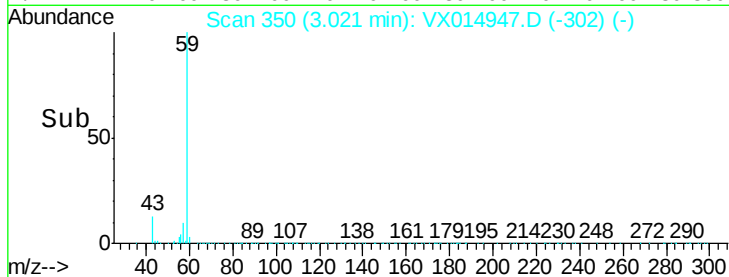
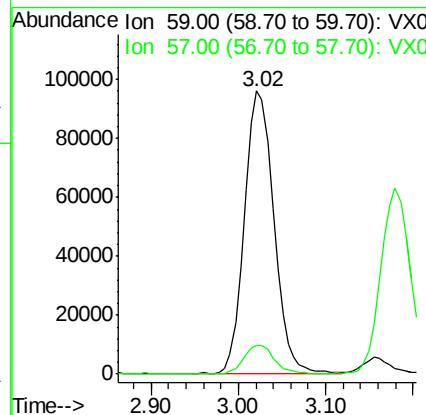
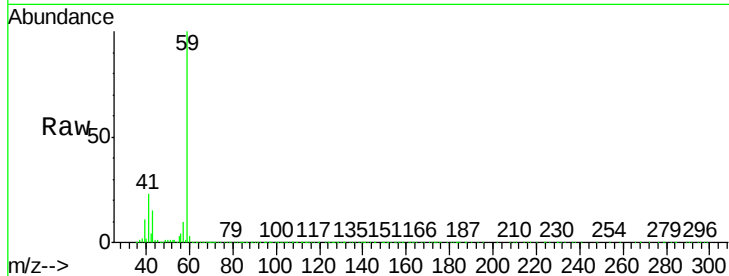
Tert butyl alcohol
Concen: 244.260 ug/l
RT: 3.02 min Scan# 350
Delta R.T. -0.01 min
Lab File: VX014947.D
Acq: 18 Feb 2020 09:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.2	12.4

Manual Integrations
APPROVED

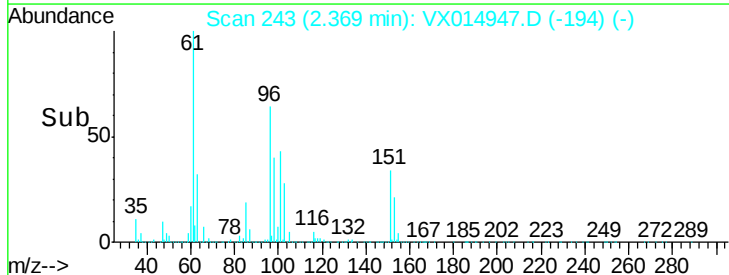
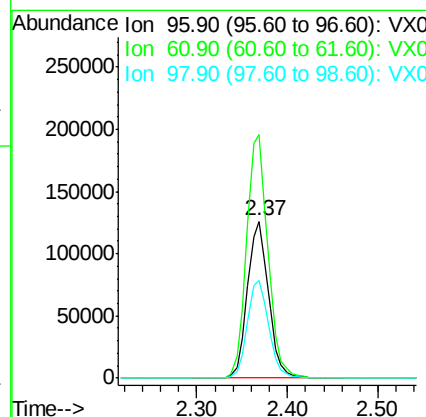
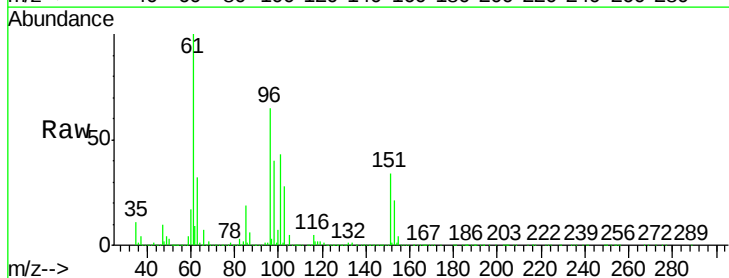
MMDadoda
2/19/2020 12:14:40 PM

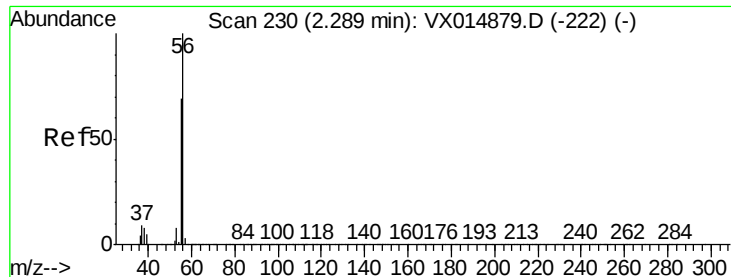


#12

1,1-Dichloroethene
Concen: 47.893 ug/l
RT: 2.37 min Scan# 243
Delta R.T. 0.00 min
Lab File: VX014947.D
Acq: 18 Feb 2020 09:54

Tgt Ion	Ratio	Lower	Upper
96	100		
61	154.9	129.5	194.3
98	62.1	50.6	76.0





#13

Acrolein

Concen: 236.950 ug/l

RT: 2.28 min Scan# 229

Delta R.T. -0.01 min

Lab File: VX014947.D

Acq: 18 Feb 2020 09:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 166697

Ion Ratio Lower Upper

56 100

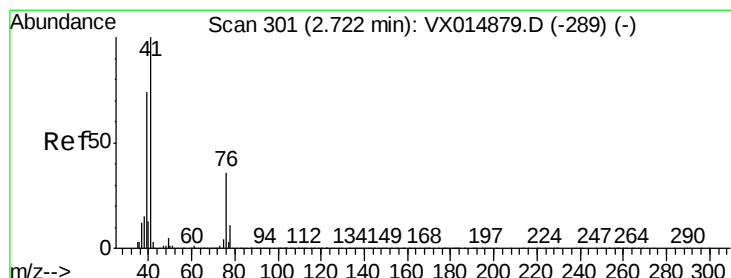
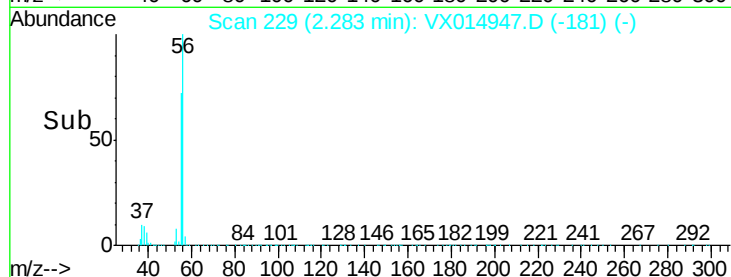
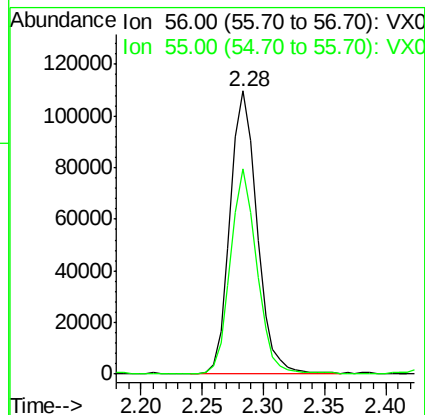
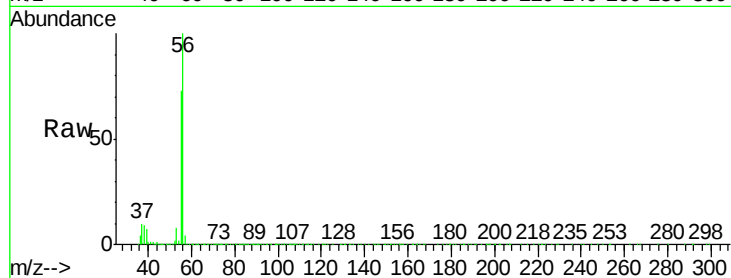
55 70.8 55.0 82.4

Manual Integrations

APPROVED

MMDadoda

2/19/2020 12:14:40 PM



#14

Allyl chloride

Concen: 46.671 ug/l

RT: 2.72 min Scan# 301

Delta R.T. 0.00 min

Lab File: VX014947.D

Acq: 18 Feb 2020 09:54

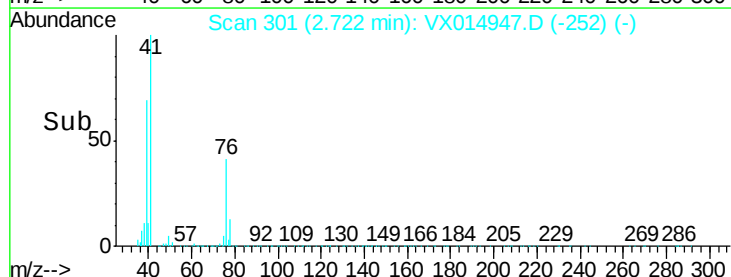
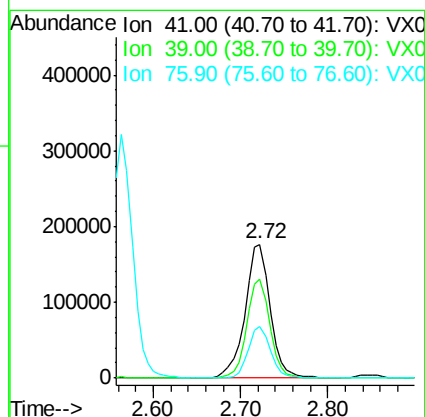
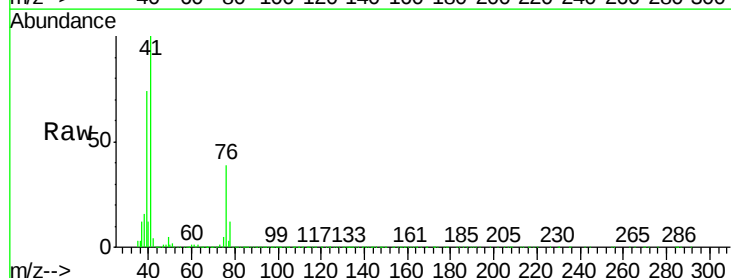
Tgt Ion: 41 Resp: 351329

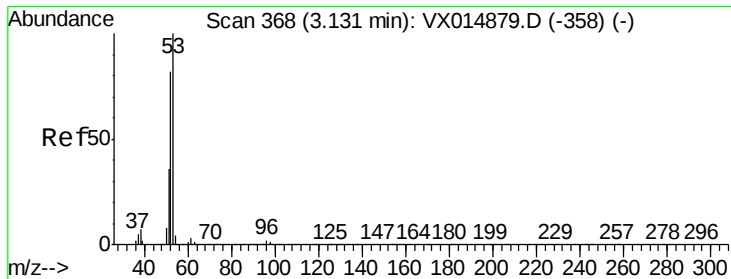
Ion Ratio Lower Upper

41 100

39 67.8 55.2 82.8

76 34.2 26.8 40.2





#15

Acrylonitrile

Concen: 238.449 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX014947.D

Acq: 18 Feb 2020 09:54

Instrument :

MSVOA_X

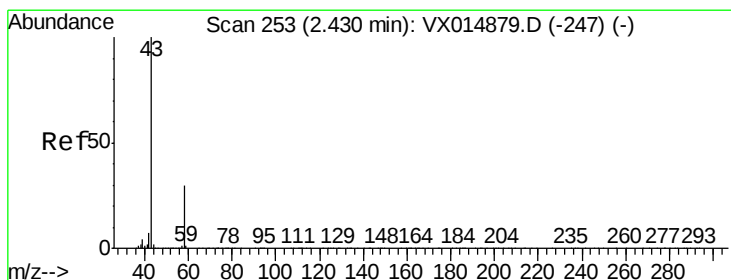
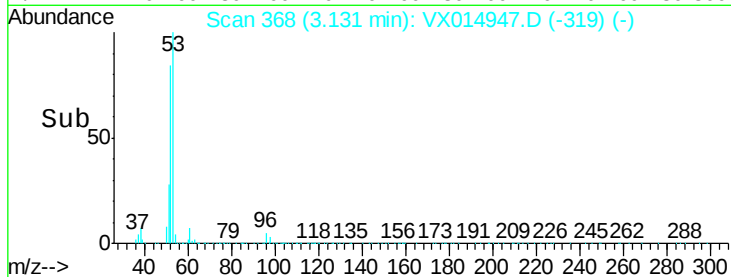
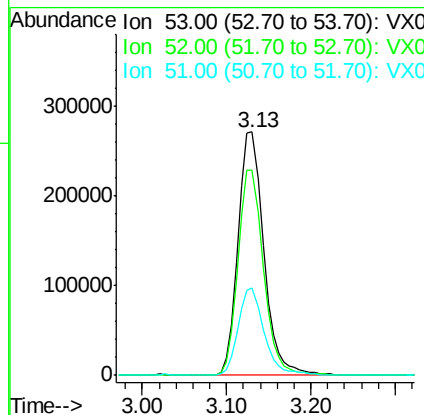
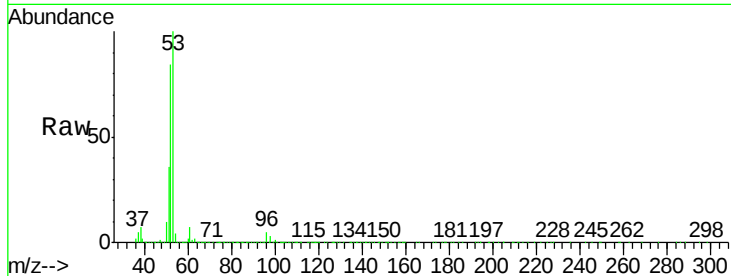
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	557969
Ion Ratio		Lower	Upper
53	100		
52	83.4	65.8	98.6
51	35.8	29.1	43.7

Manual Integrations
APPROVED

MMDadoda
2/19/2020 12:14:40 PM



#16

Acetone

Concen: 279.975 ug/l

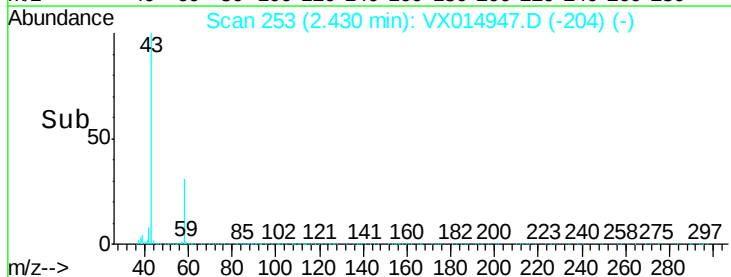
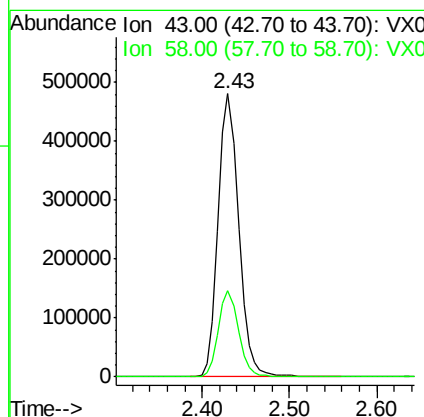
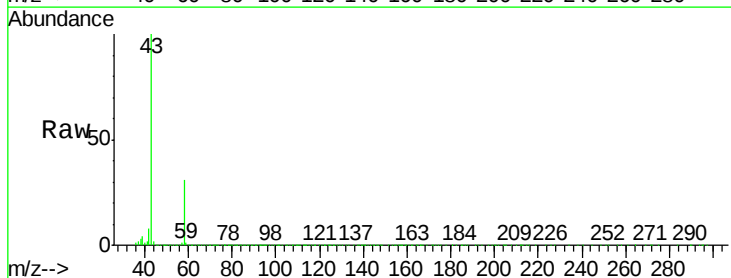
RT: 2.43 min Scan# 253

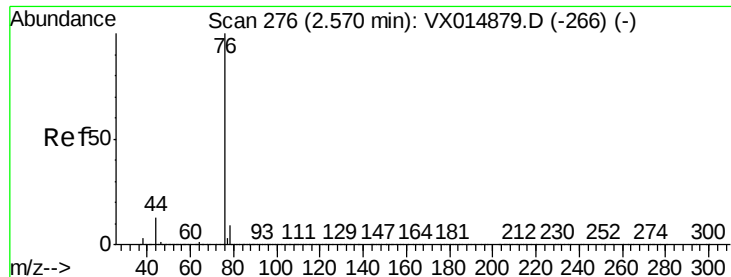
Delta R.T. 0.00 min

Lab File: VX014947.D

Acq: 18 Feb 2020 09:54

Tgt Ion:	43	Resp:	782559
Ion Ratio		Lower	Upper
43	100		
58	30.6	24.1	36.1





#17

Carbon Disulfide

Concen: 44.420 ug/l

RT: 2.56 min Scan# 275

Delta R.T. -0.01 min

Lab File: VX014947.D

Acq: 18 Feb 2020 09:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 526957

Ion Ratio Lower Upper

76 100

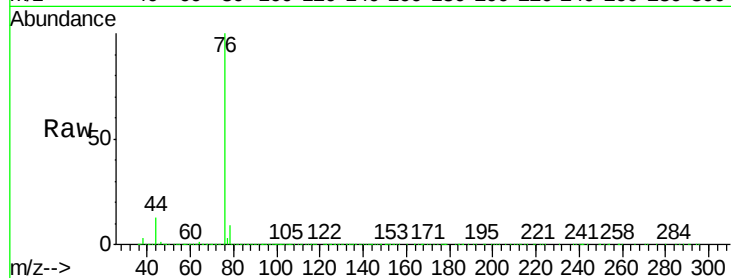
78 9.2 7.4 11.0

Manual Integrations

APPROVED

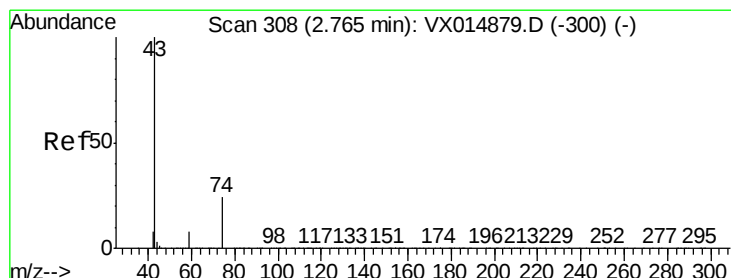
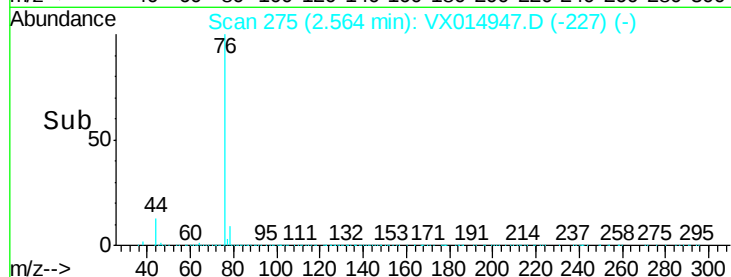
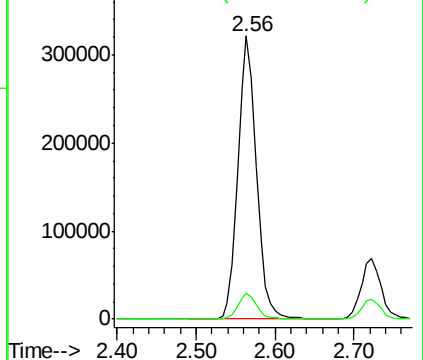
MMDadoda

2/19/2020 12:14:40 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 48.827 ug/l

RT: 2.76 min Scan# 307

Delta R.T. -0.01 min

Lab File: VX014947.D

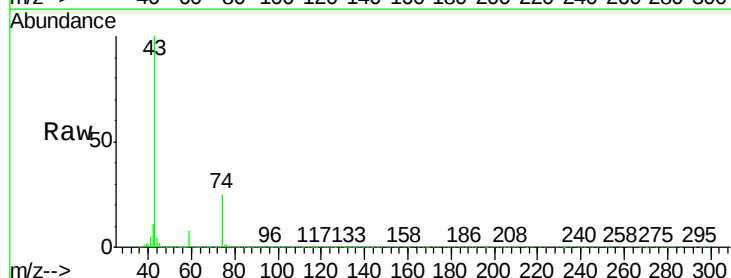
Acq: 18 Feb 2020 09:54

Tgt Ion: 43 Resp: 257081

Ion Ratio Lower Upper

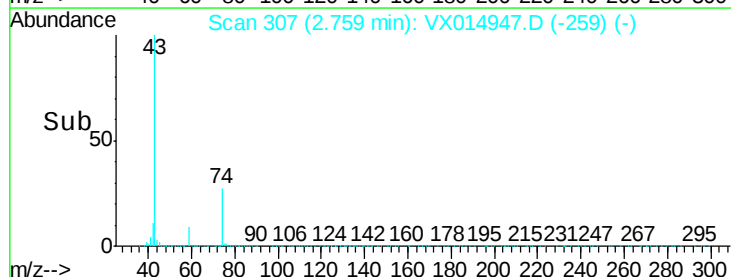
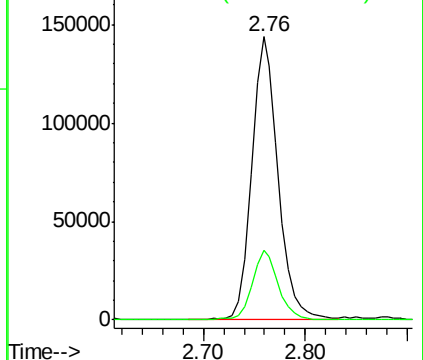
43 100

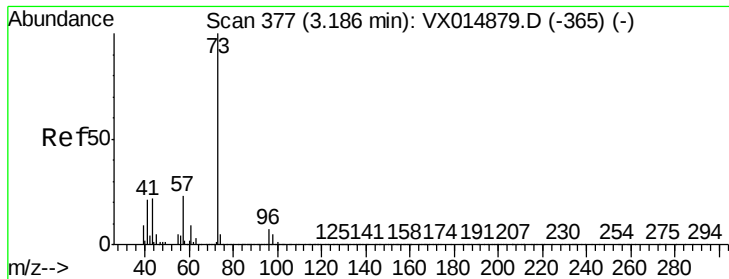
74 24.3 19.4 29.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





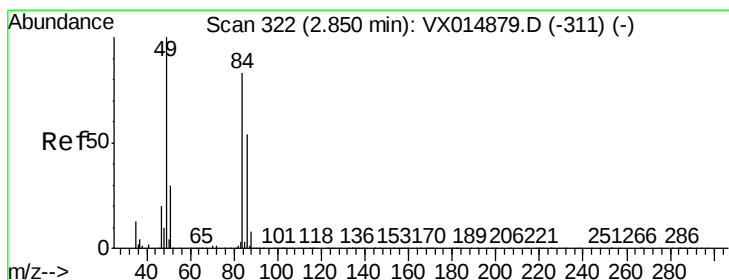
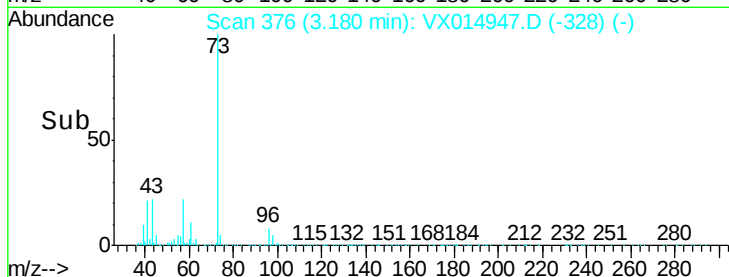
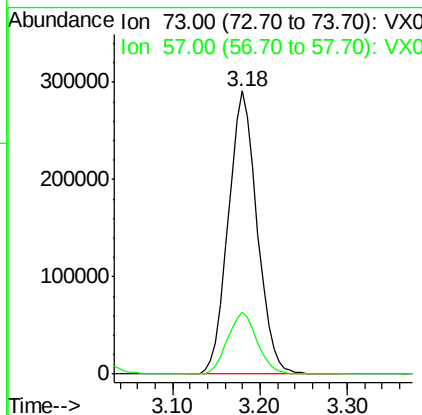
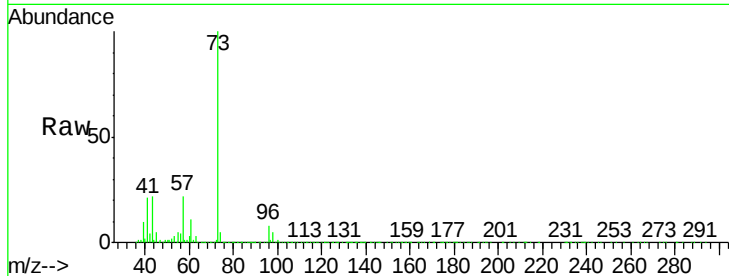
#19
Methvl tert-butvl Ether
Concen: 48.275 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.01 min
Lab File: VX014947.D
Acq: 18 Feb 2020 09:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.6	18.2	27.4

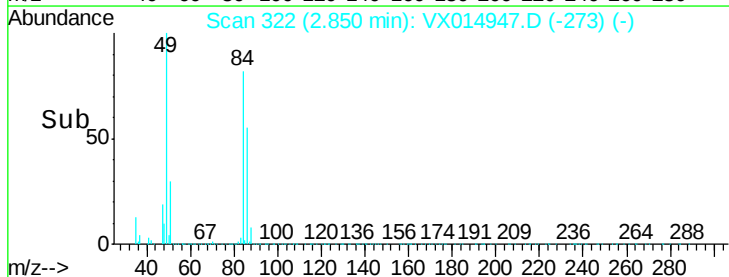
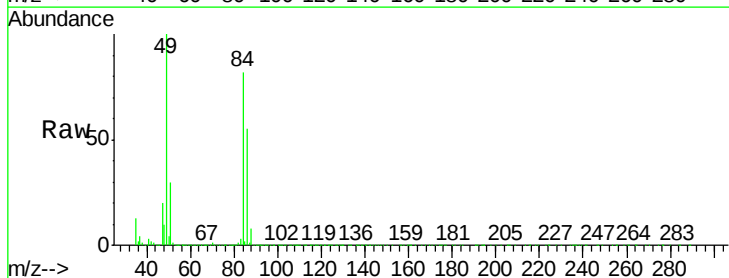
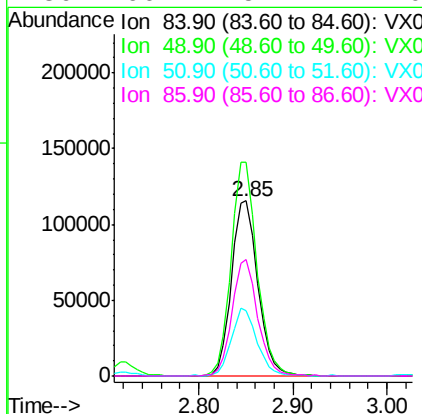
Manual Integrations
APPROVED

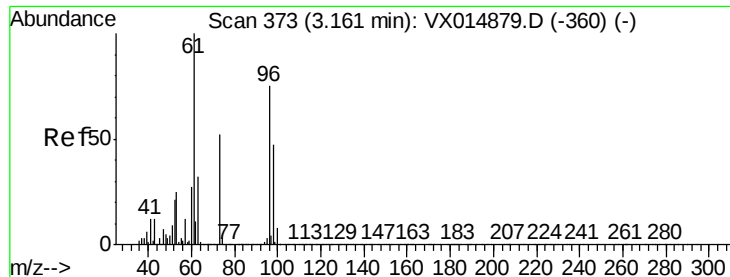
MMDadoda
2/19/2020 12:14:40 PM



#20
Methylene Chloride
Concen: 44.857 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.00 min
Lab File: VX014947.D
Acq: 18 Feb 2020 09:54

Tgt Ion	Ratio	Lower	Upper
84	100		
49	122.0	95.6	143.4
51	36.9	29.0	43.6
86	66.7	51.4	77.0





#21

trans-1,2-Dichloroethene

Concen: 45.212 ug/l

RT: 3.16 min Scan# 372

Delta R.T. -0.01 min

Lab File: VX014947.D

Acq: 18 Feb 2020 09:54

Instrument :

MSVOA_X

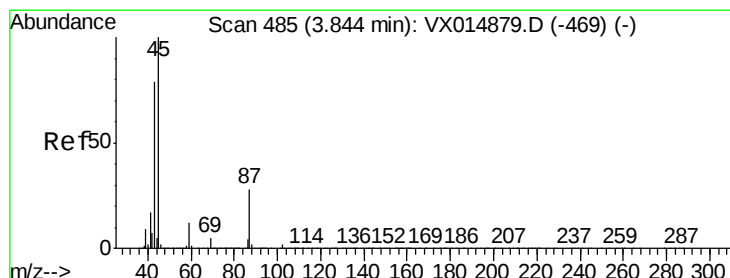
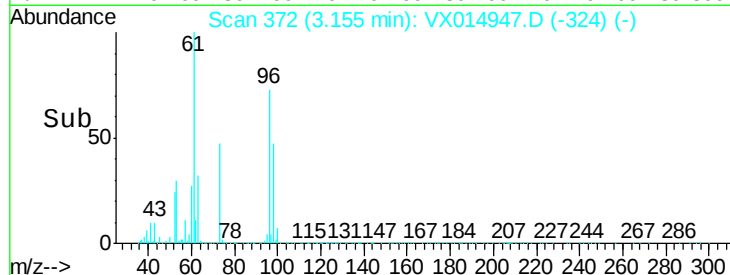
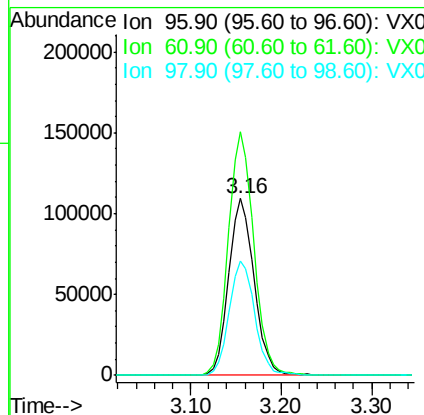
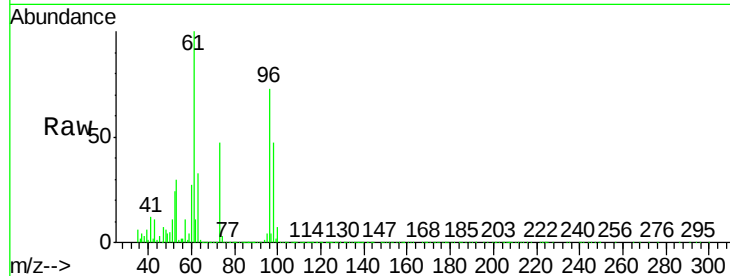
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	211817
Ion Ratio	Lower	Upper	
96	100		
61	137.7	106.9	160.3
98	64.7	50.7	76.1

Manual Integrations
APPROVED

MMDadoda
2/19/2020 12:14:40 PM



#22

Diisopropyl ether

Concen: 48.996 ug/l

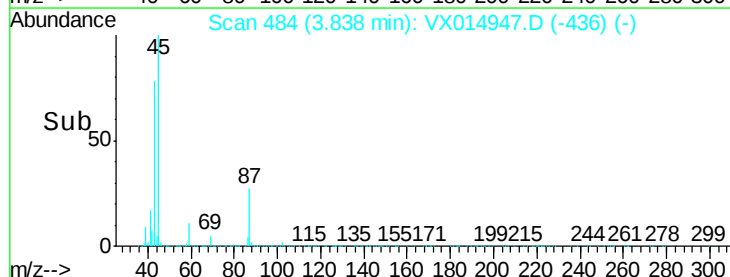
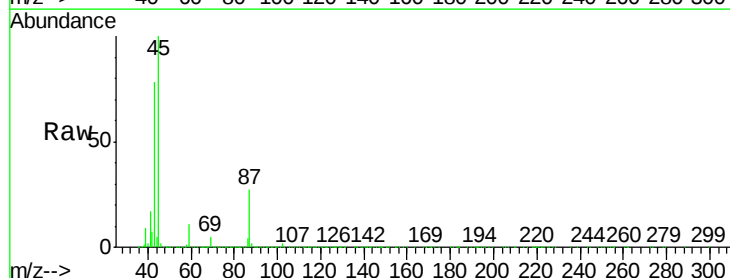
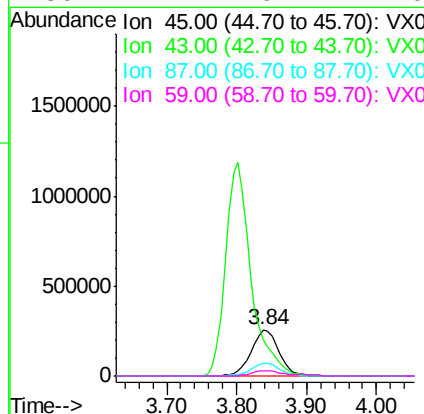
RT: 3.84 min Scan# 484

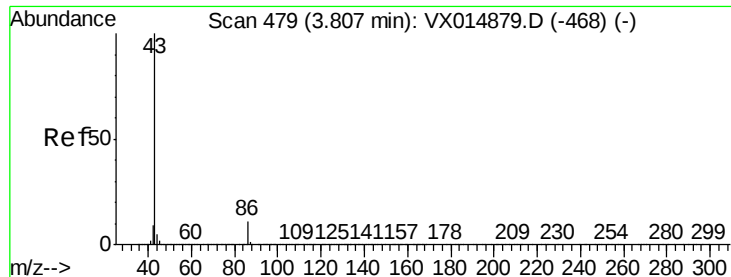
Delta R.T. -0.01 min

Lab File: VX014947.D

Acq: 18 Feb 2020 09:54

Tgt Ion:	45	Resp:	704435
Ion Ratio	Lower	Upper	
45	100		
43	78.4	63.5	95.3
87	26.8	22.2	33.4
59	11.2	9.4	14.0





#23

Vinyl Acetate

Concen: 254.738 ug/l

RT: 3.80 min Scan# 478

Delta R.T. -0.01 min

Lab File: VX014947.D

Acq: 18 Feb 2020 09:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 3019184

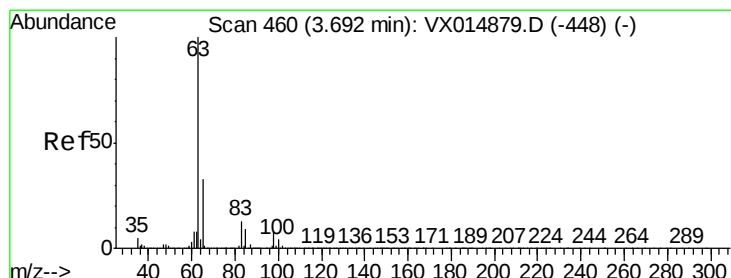
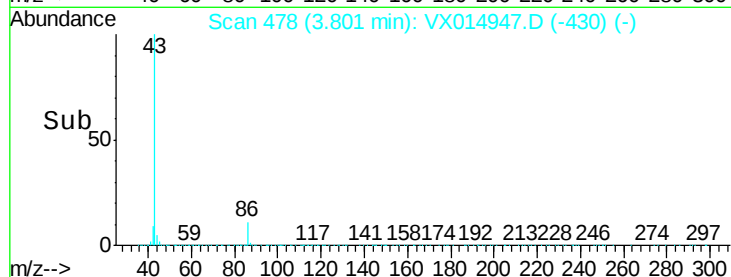
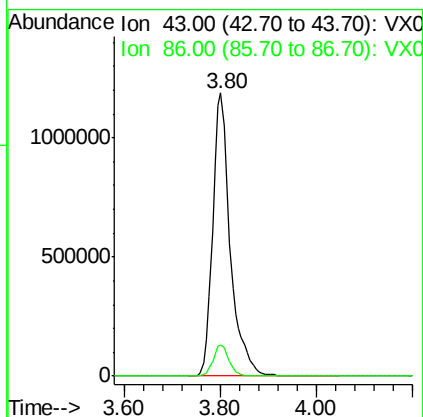
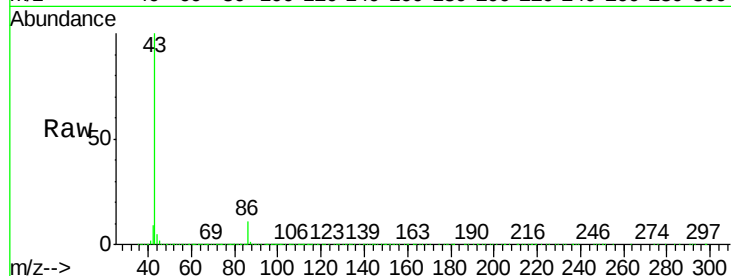
Ion Ratio Lower Upper

43 100

86 10.8 8.9 13.3

Manual Integrations
APPROVED

MMDadoda
2/19/2020 12:14:40 PM



#24

1,1-Dichloroethane

Concen: 47.879 ug/l

RT: 3.69 min Scan# 459

Delta R.T. -0.01 min

Lab File: VX014947.D

Acq: 18 Feb 2020 09:54

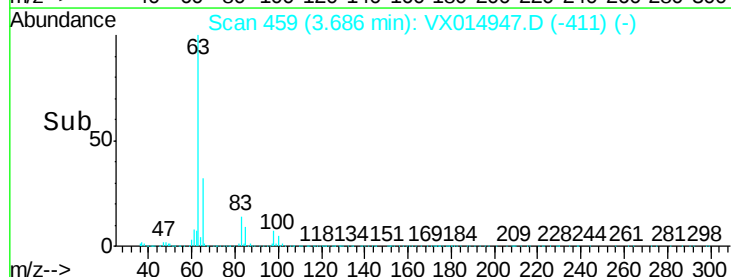
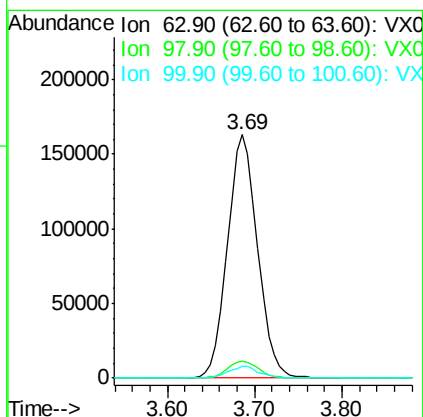
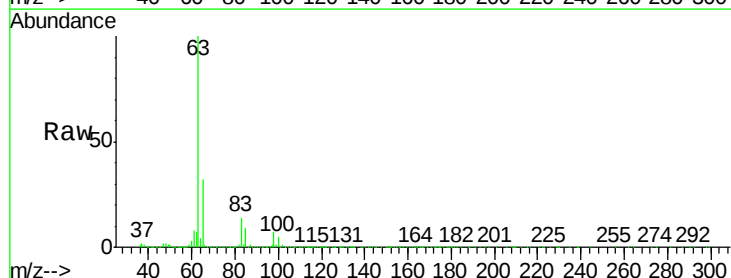
Tgt Ion: 63 Resp: 388512

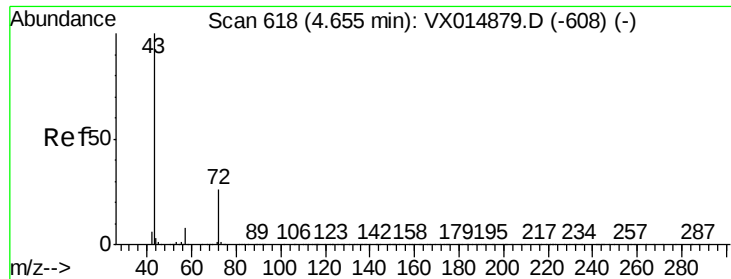
Ion Ratio Lower Upper

63 100

98 7.1 3.9 11.5

100 4.6 2.2 6.6





#25

2-Butanone

Concen: 259.095 ug/l

RT: 4.65 min Scan# 617

Delta R.T. -0.01 min

Lab File: VX014947.D

Acq: 18 Feb 2020 09:54

Tot Ion: 43 Resp: 922147

Ion Ratio Lower Upper

43 100

72 25.8 21.0 31.6

Instrument :

MSVOA_X

ClientSampleId :

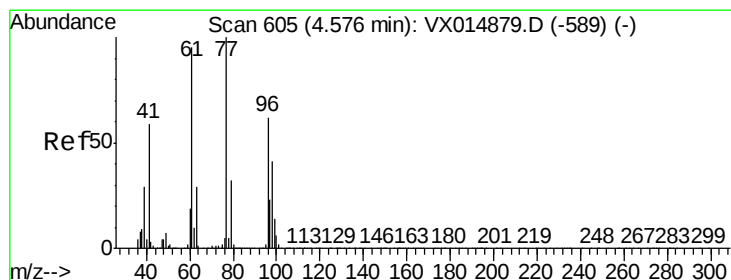
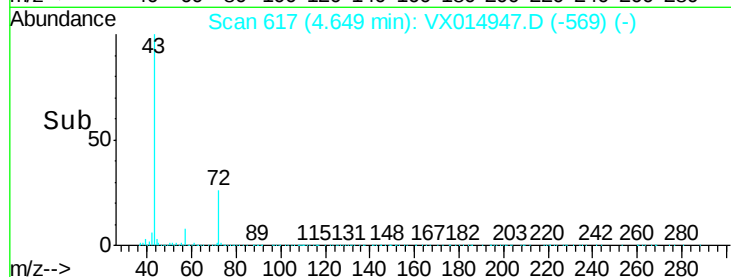
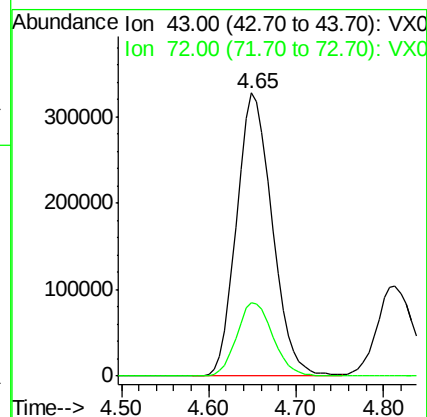
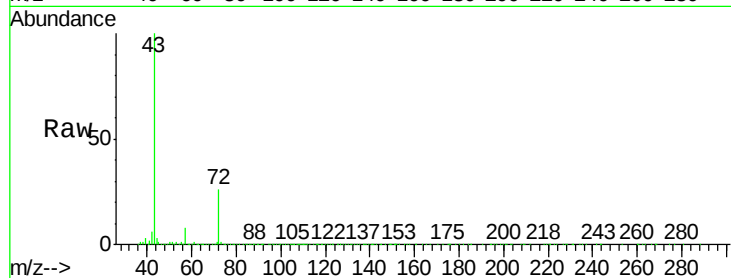
VSTDCCC050

Manual Integrations

APPROVED

MMDadoda

2/19/2020 12:14:40 PM



#26

2,2-Dichloropropane

Concen: 47.818 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.01 min

Lab File: VX014947.D

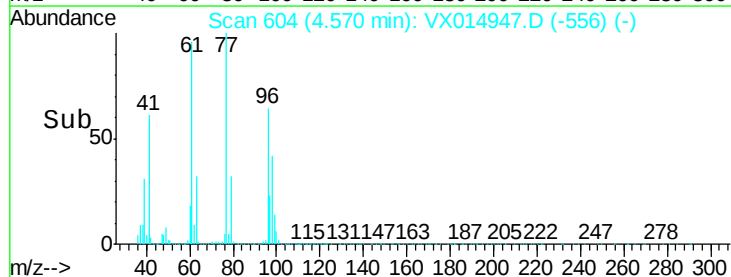
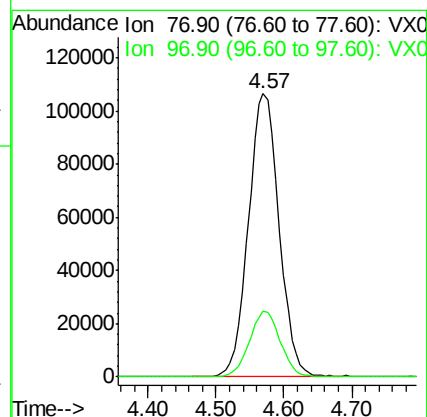
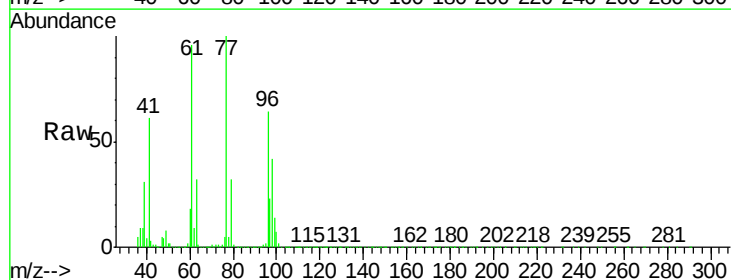
Acq: 18 Feb 2020 09:54

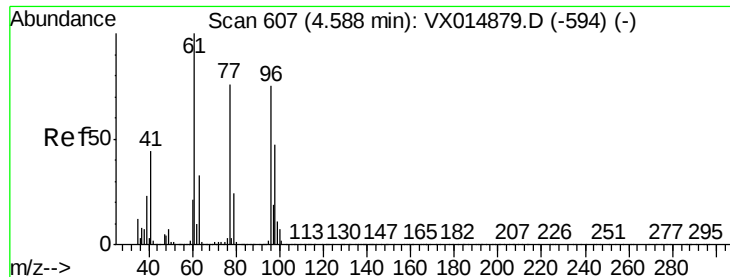
Tgt Ion: 77 Resp: 334387

Ion Ratio Lower Upper

77 100

97 23.2 11.9 35.5





#27

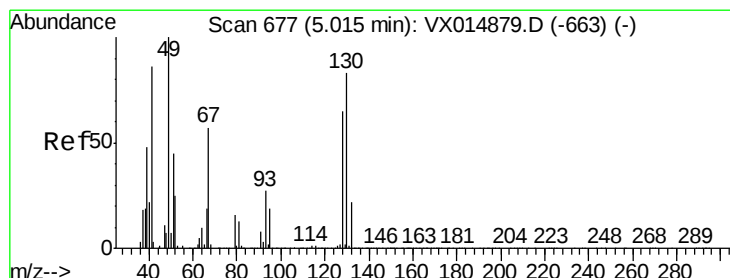
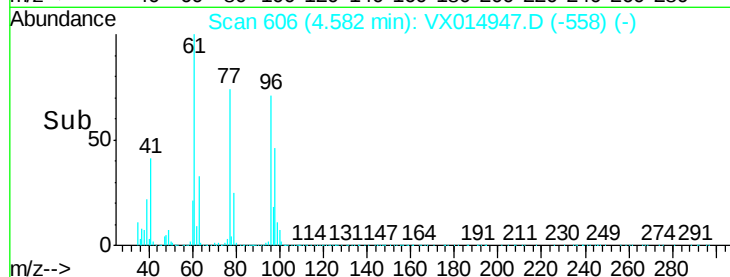
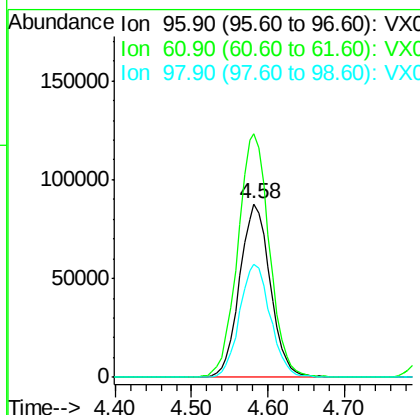
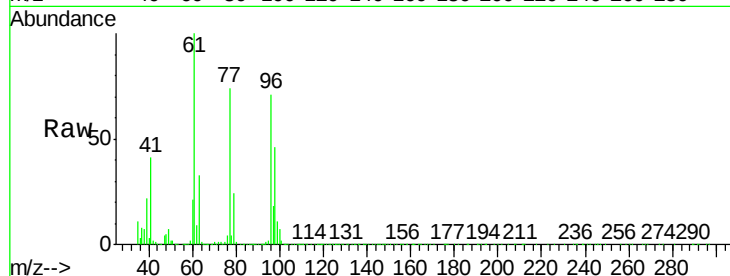
cis-1,2-Dichloroethene
Concen: 46.649 ug/l
RT: 4.58 min Scan# 606
Delta R.T. -0.01 min
Lab File: VX014947.D
Acq: 18 Feb 2020 09:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	244305		
61	144.1	0.0	286.2	
98	65.9	0.0	131.0	

Manual Integrations
APPROVED

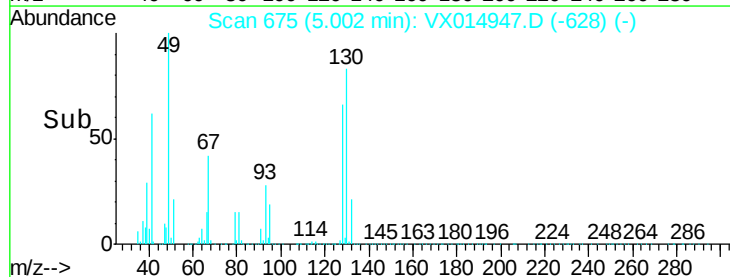
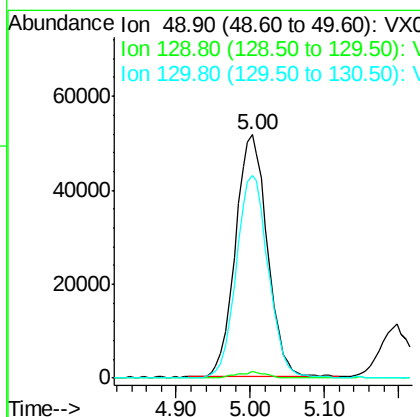
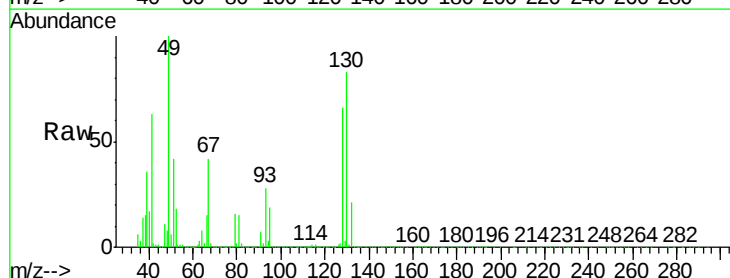
MMDadoda
2/19/2020 12:14:40 PM

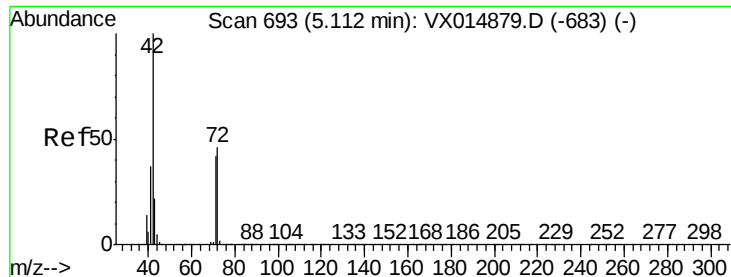


#28

Bromochloromethane
Concen: 49.187 ug/l
RT: 5.00 min Scan# 675
Delta R.T. -0.01 min
Lab File: VX014947.D
Acq: 18 Feb 2020 09:54

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	154704		
129	2.7	0.0	5.2	
130	83.9	67.4	101.2	





#29

Tetrahydrofuran

Concen: 245.083 ug/l

RT: 5.11 min Scan# 692

Delta R.T. -0.01 min

Lab File: VX014947.D

Acq: 18 Feb 2020 09:54

Instrument :

MSVOA_X

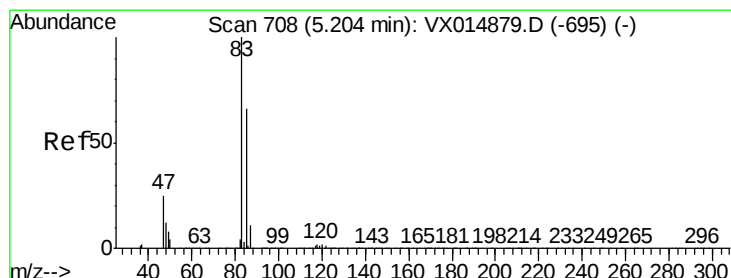
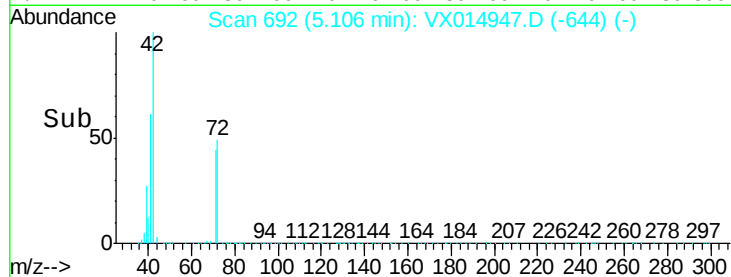
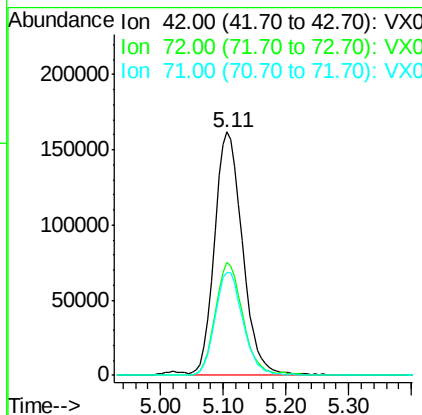
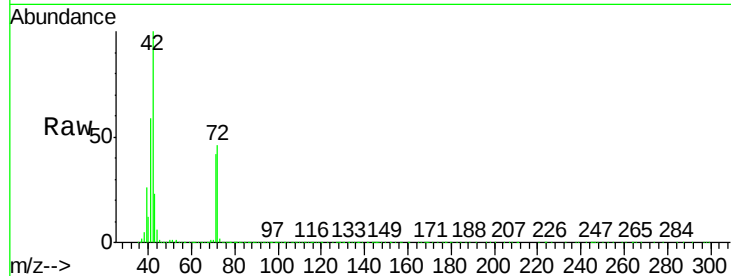
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.9	36.9	55.3
71	42.9	34.1	51.1

Manual Integrations
APPROVED

MMDadoda
2/19/2020 12:14:40 PM



#30

Chloroform

Concen: 47.913 ug/l

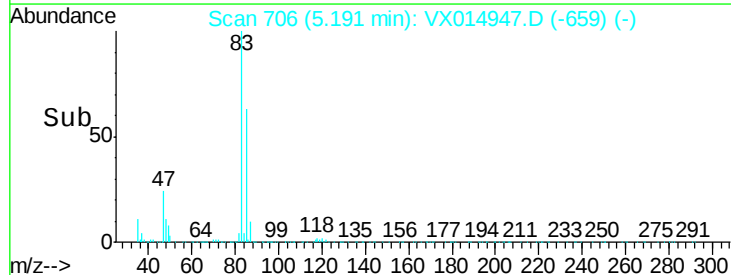
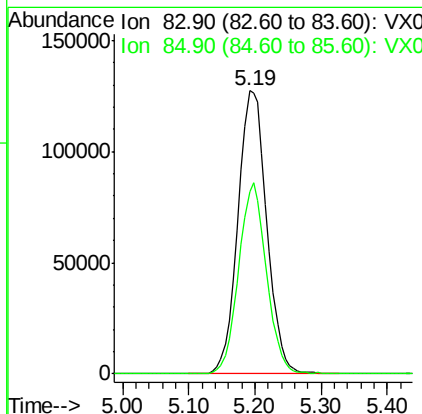
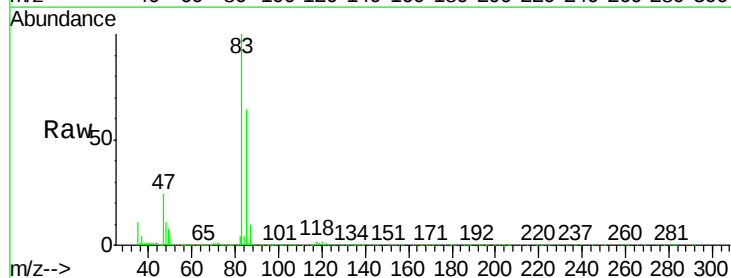
RT: 5.19 min Scan# 706

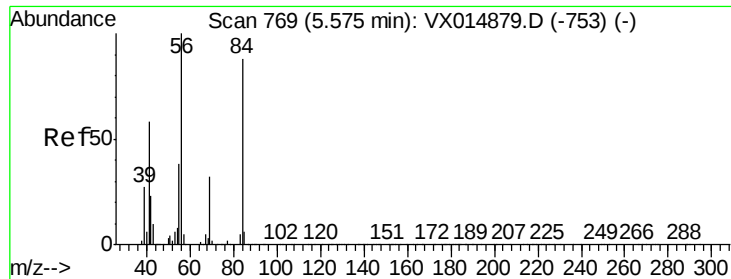
Delta R.T. -0.01 min

Lab File: VX014947.D

Acq: 18 Feb 2020 09:54

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	52.9	79.3





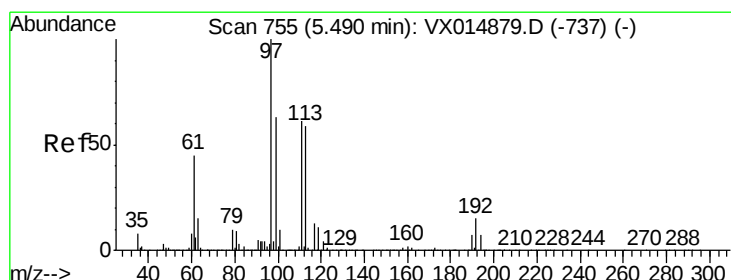
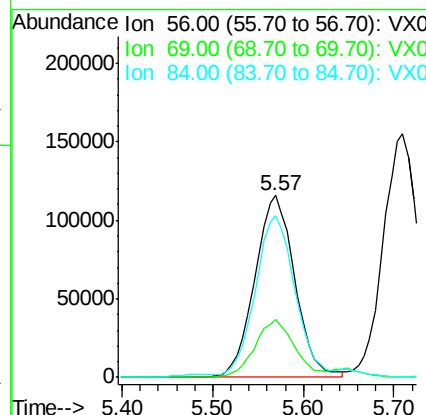
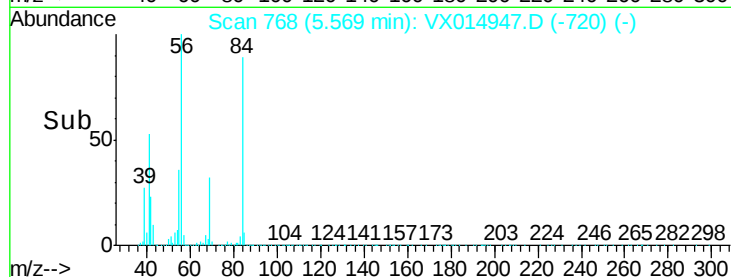
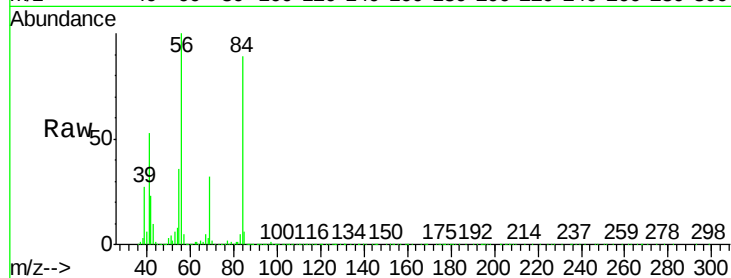
#31
Cyclohexane
Concen: 47.585 ug/l
RT: 5.57 min Scan# 768
Delta R.T. -0.01 min
Lab File: VX014947.D
Acq: 18 Feb 2020 09:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.9	25.9	38.9
84	87.6	70.4	105.6

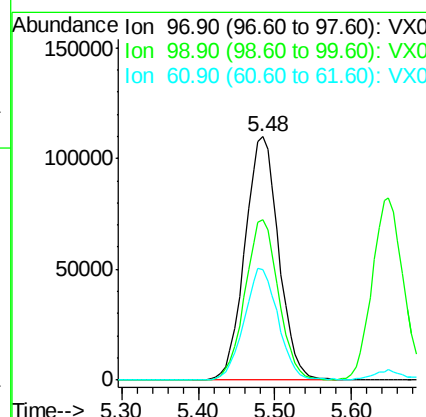
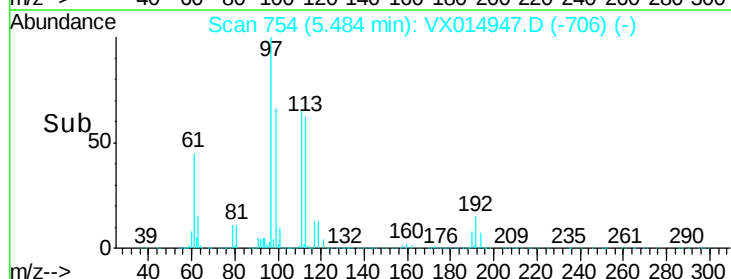
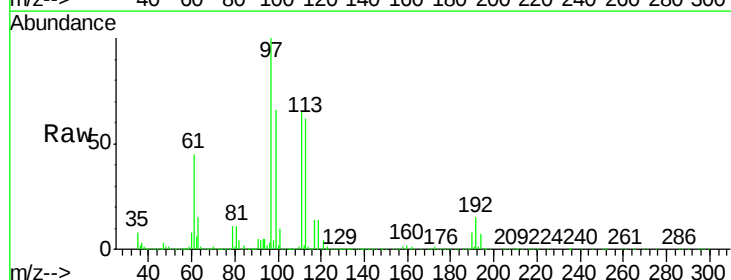
Manual Integrations
APPROVED

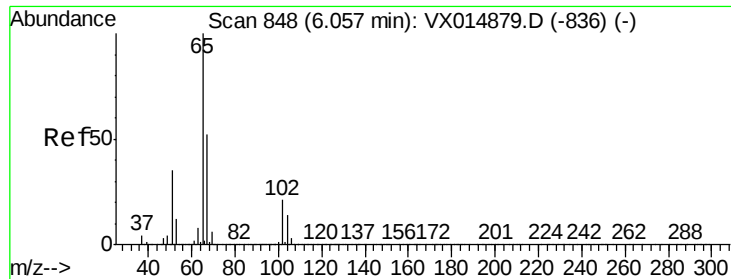
MMDadoda
2/19/2020 12:14:40 PM



#32
1,1,1-Trichloroethane
Concen: 47.632 ug/l
RT: 5.48 min Scan# 754
Delta R.T. -0.01 min
Lab File: VX014947.D
Acq: 18 Feb 2020 09:54

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.6	51.0	76.6
61	45.7	36.3	54.5





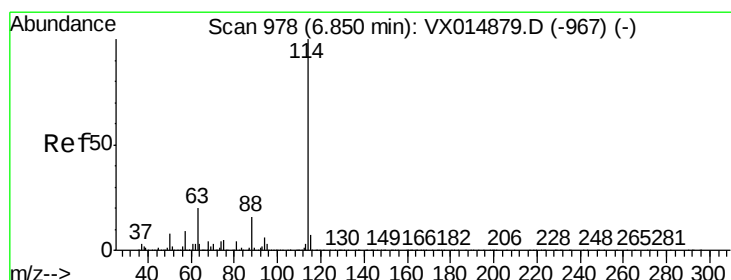
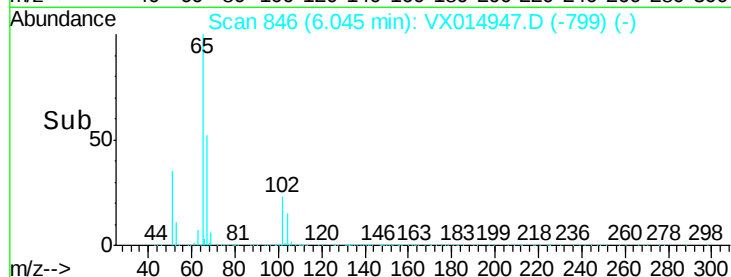
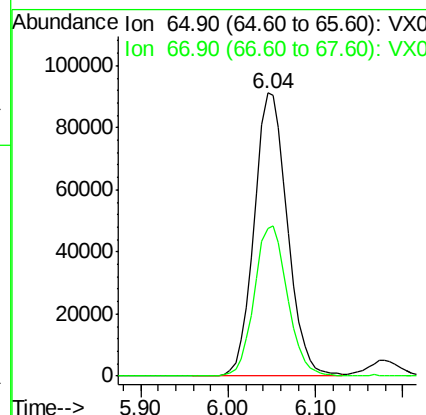
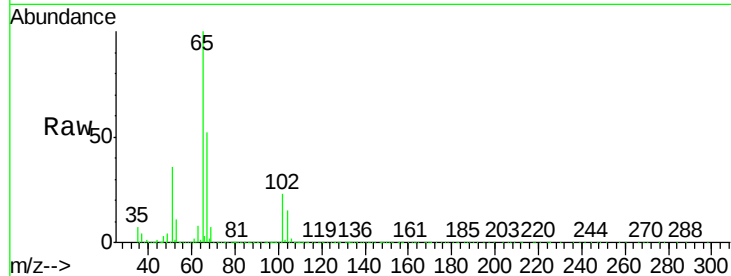
#33
 1,2-Dichloroethane-d4
 Concen: 45.875 ug/l
 RT: 6.04 min Scan# 846
 Delta R.T. -0.01 min
 Lab File: VX014947.D
 Acq: 18 Feb 2020 09:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	239827		
67	53.0	0.0	103.0	

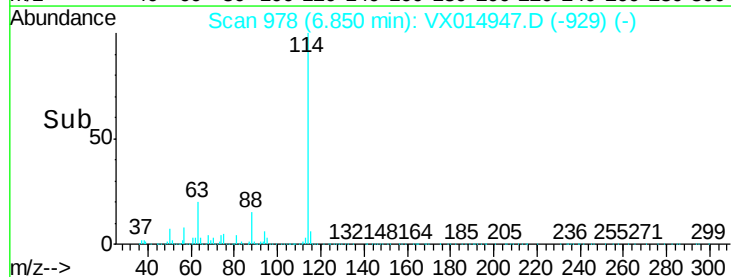
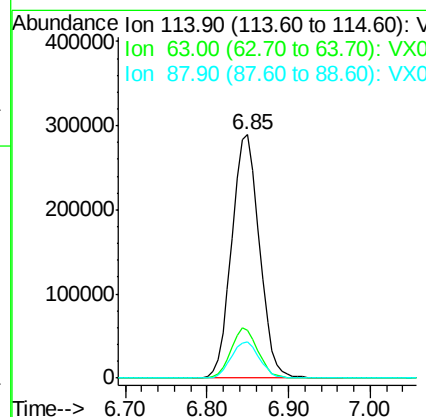
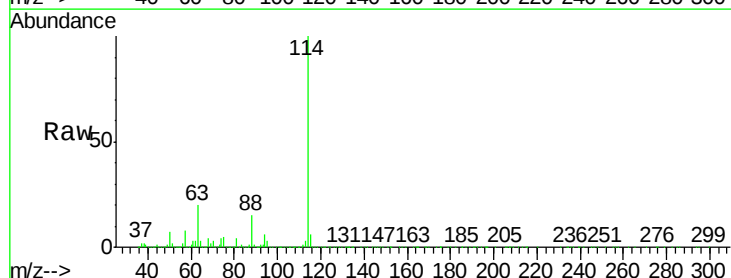
Manual Integrations
 APPROVED

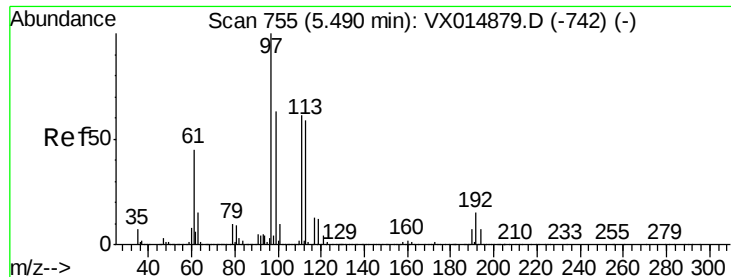
MMDadoda
 2/19/2020 12:14:40 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX014947.D
 Acq: 18 Feb 2020 09:54

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	674339		
63	19.8	0.0	39.2	
88	14.9	0.0	32.0	





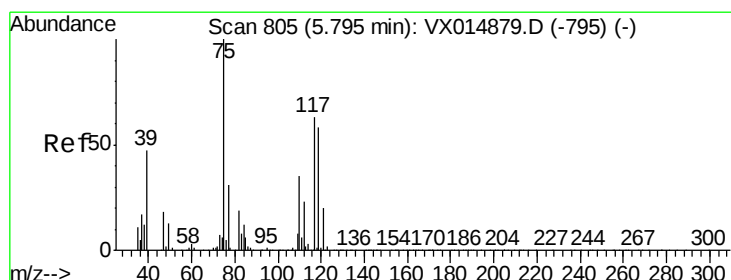
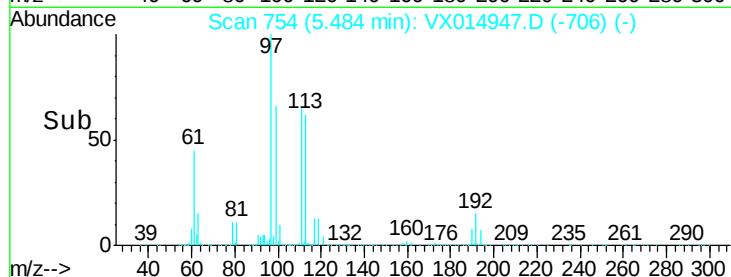
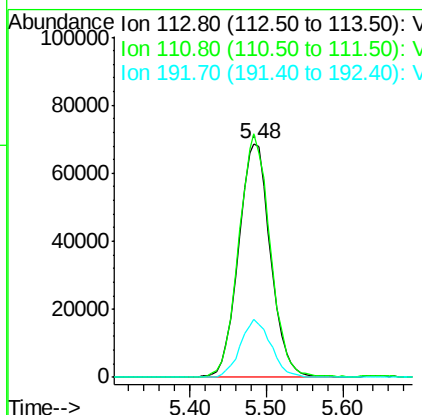
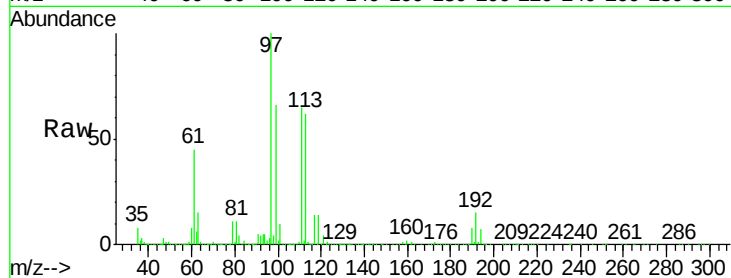
#35
Dibromofluoromethane
Concen: 48.108 ug/l
RT: 5.48 min Scan# 754
Delta R.T. -0.01 min
Lab File: VX014947.D
Acq: 18 Feb 2020 09:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	199440		
111	102.2	82.4	123.6	
192	23.8	19.1	28.7	

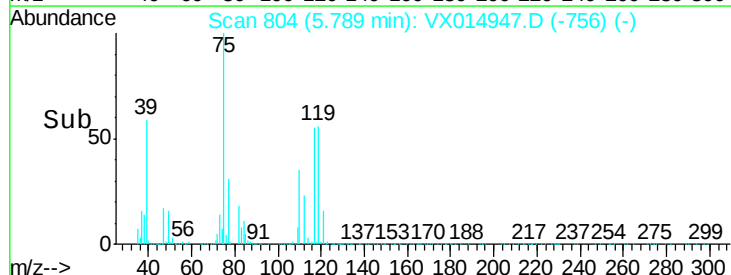
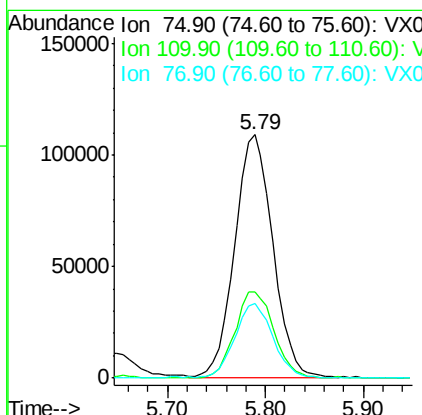
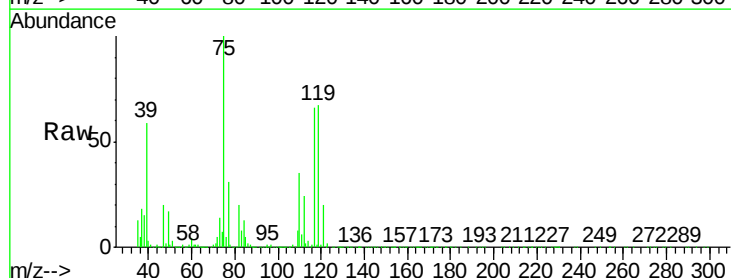
Manual Integrations
APPROVED

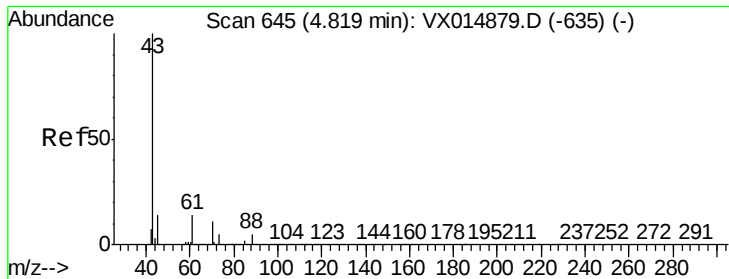
MMDadoda
2/19/2020 12:14:40 PM



#36
1,1-Dichloropropene
Concen: 48.661 ug/l
RT: 5.79 min Scan# 804
Delta R.T. -0.01 min
Lab File: VX014947.D
Acq: 18 Feb 2020 09:54

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	293534		
110	36.4	18.3	54.8	
77	30.6	24.6	36.8	





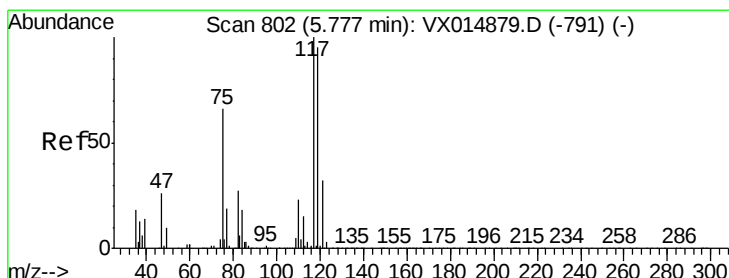
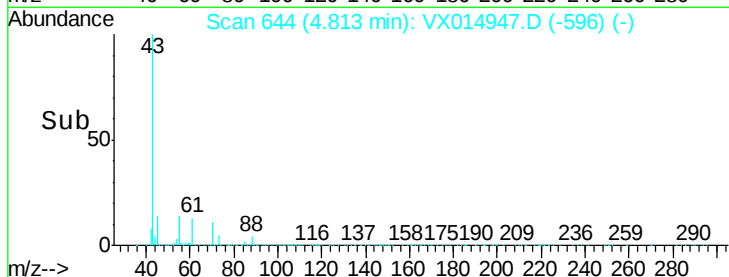
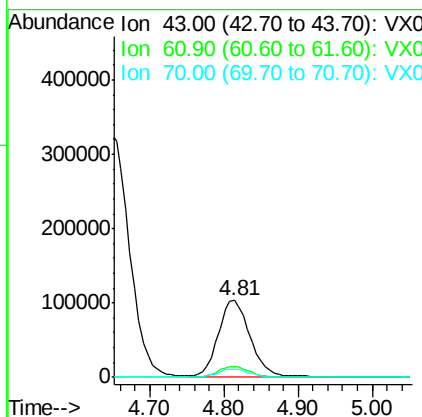
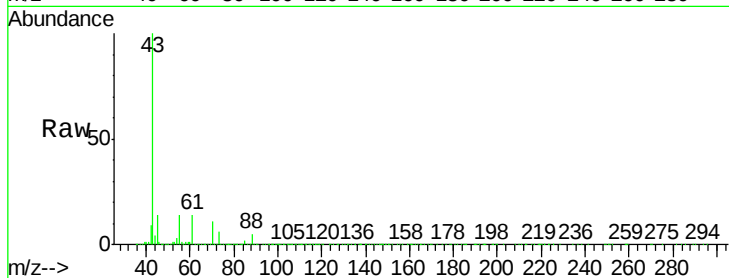
#37
Ethyl Acetate
Concen: 48.744 ug/l
RT: 4.81 min Scan# 644
Delta R.T. -0.01 min
Lab File: VX014947.D
Acq: 18 Feb 2020 09:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	306674
Ion Ratio	Lower	Upper	
43	100		
61	13.4	10.9	16.3
70	10.8	8.7	13.1

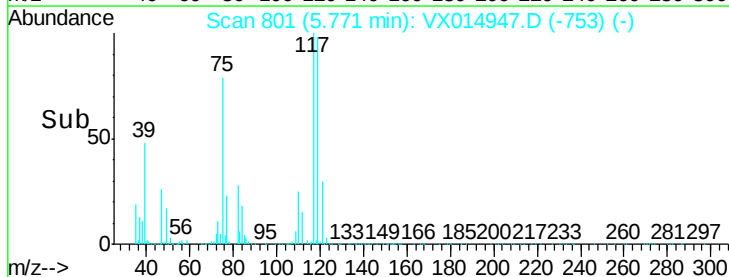
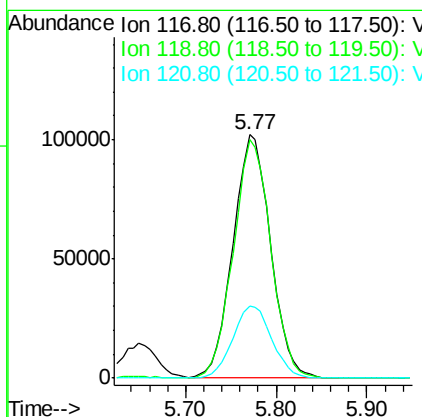
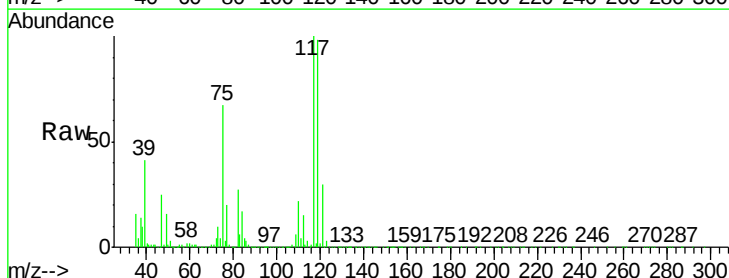
Manual Integrations
APPROVED

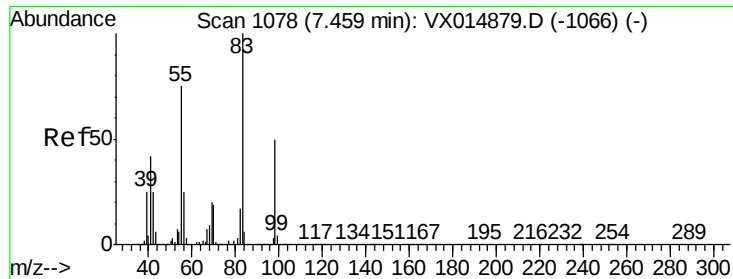
MMDadoda
2/19/2020 12:14:40 PM



#38
Carbon Tetrachloride
Concen: 49.850 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.01 min
Lab File: VX014947.D
Acq: 18 Feb 2020 09:54

Tgt Ion	117	Resp	293043
Ion Ratio	Lower	Upper	
117	100		
119	97.8	76.0	114.0
121	29.7	25.4	38.2





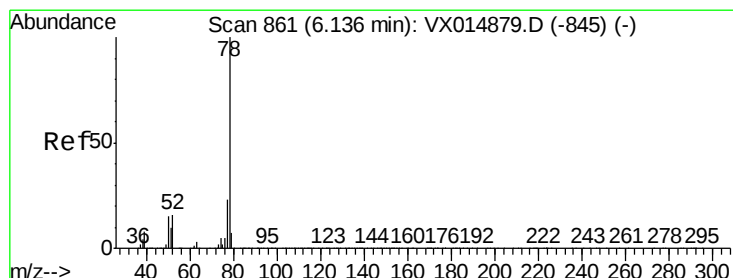
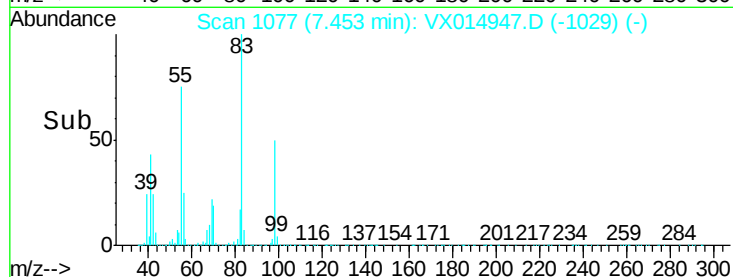
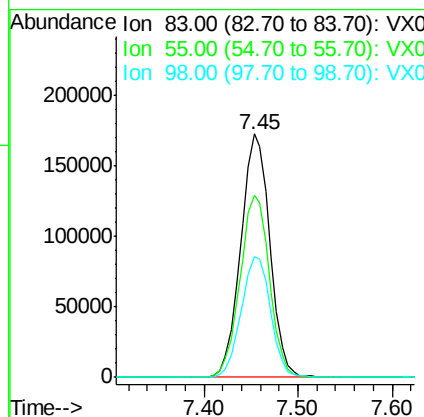
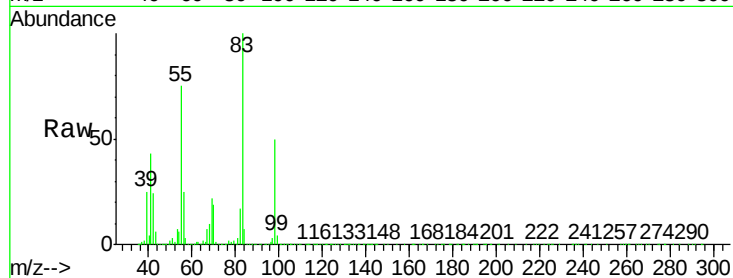
#39
Methvlcvclohexane
Concen: 49.063 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.01 min
Lab File: VX014947.D
Acq: 18 Feb 2020 09:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	370133		
55	74.7	60.0	90.0	
98	49.9	39.6	59.4	

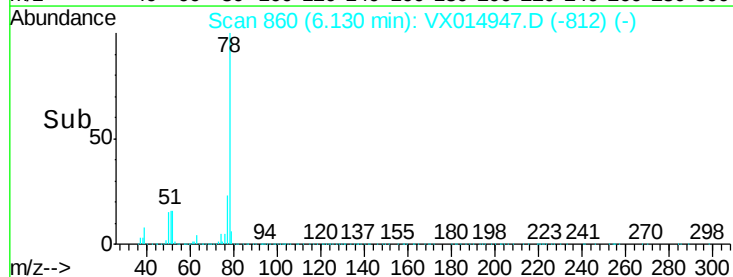
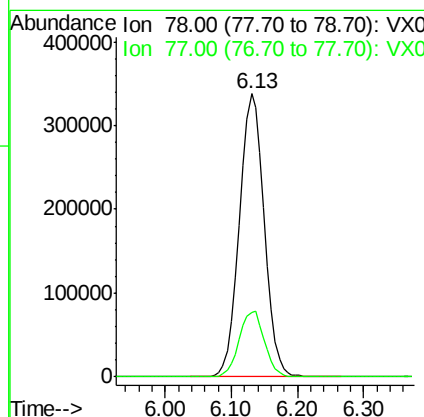
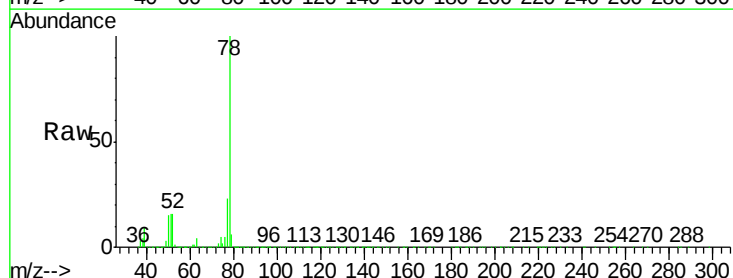
Manual Integrations
APPROVED

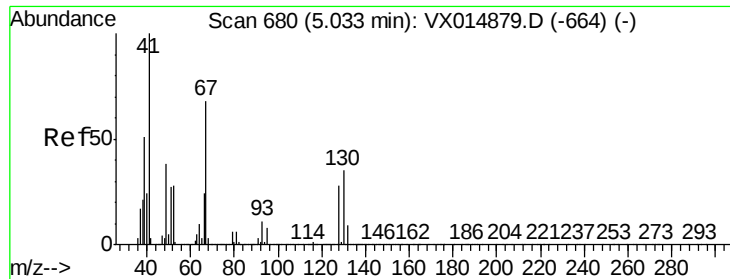
MMDadoda
2/19/2020 12:14:40 PM



#40
Benzene
Concen: 48.932 ug/l
RT: 6.13 min Scan# 860
Delta R.T. -0.01 min
Lab File: VX014947.D
Acq: 18 Feb 2020 09:54

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	881897		
77	22.8	18.8	28.2	





#41

Methacrylonitrile

Concen: 51.231 ug/l

RT: 5.02 min Scan# 678

Delta R.T. -0.01 min

Lab File: VX014947.D

Acq: 18 Feb 2020 09:54

Instrument :

MSVOA_X

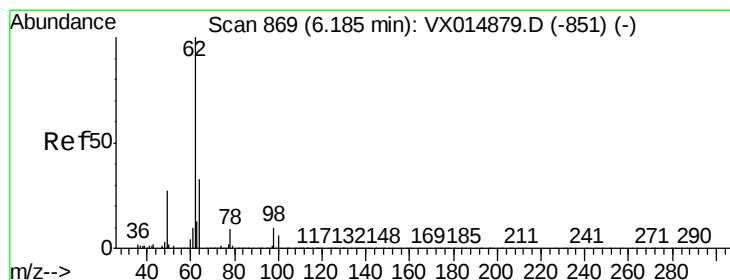
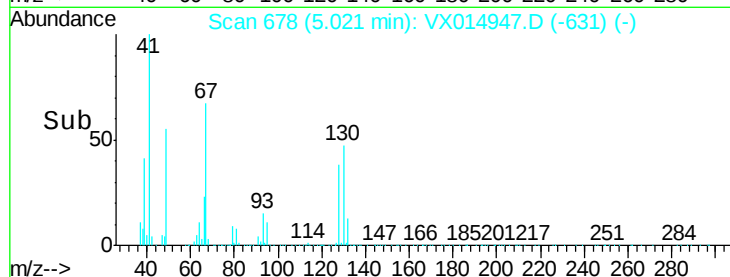
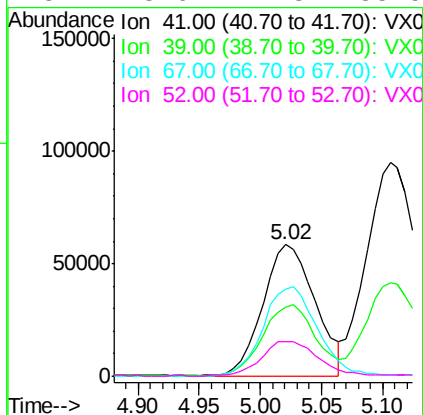
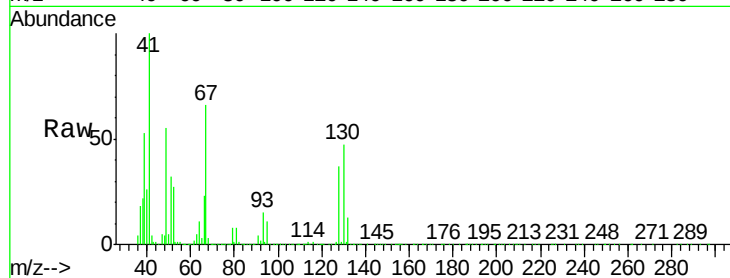
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	54.4	44.7	67.1
67	70.4	56.6	84.8
52	28.6	22.3	33.5

Manual Integrations
APPROVED

MMDadoda
2/19/2020 12:14:40 PM



#42

1,2-Dichloroethane

Concen: 47.984 ug/l

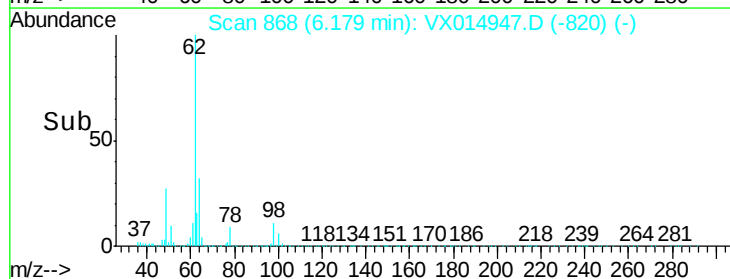
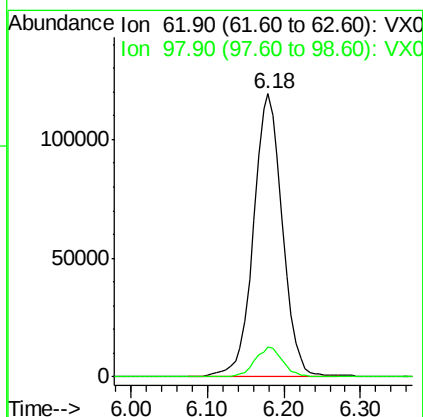
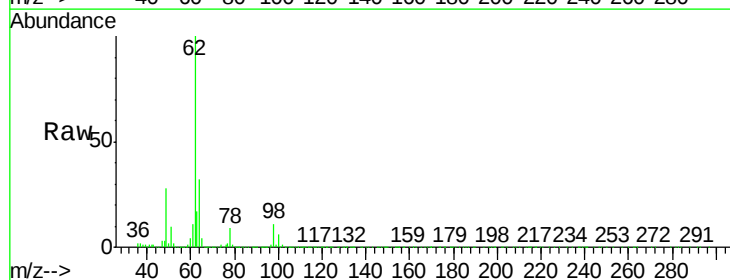
RT: 6.18 min Scan# 868

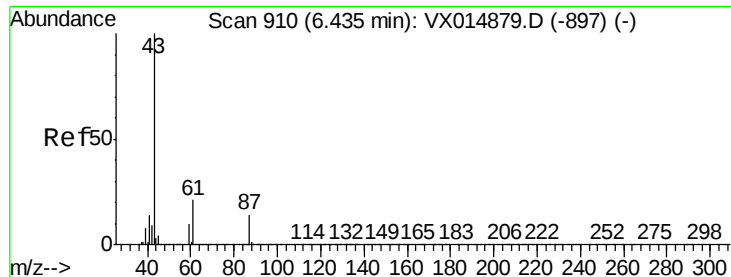
Delta R.T. -0.01 min

Lab File: VX014947.D

Acq: 18 Feb 2020 09:54

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	19.2





#43

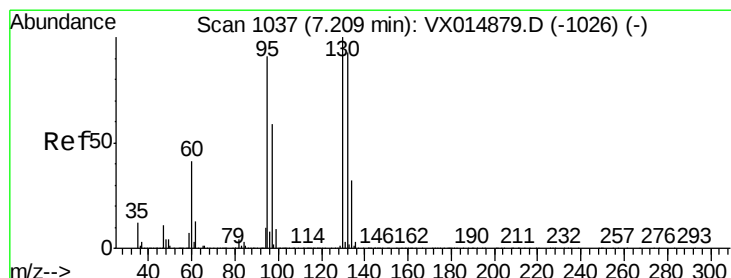
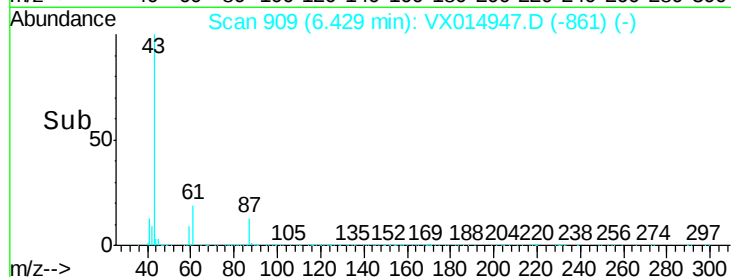
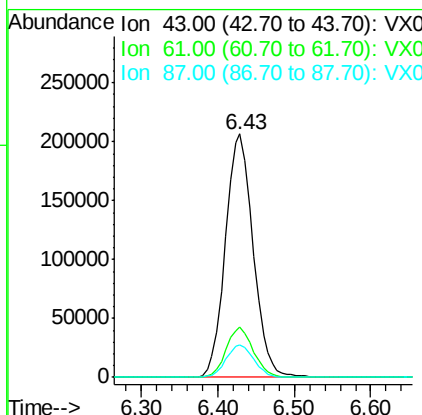
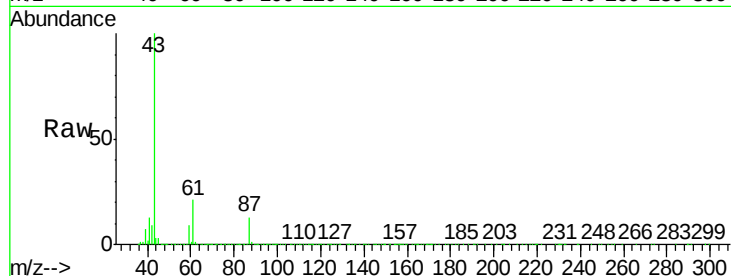
Isopropyl Acetate
 Concen: 49.646 ug/l
 RT: 6.43 min Scan# 909
 Delta R.T. -0.01 min
 Lab File: VX014947.D
 Acq: 18 Feb 2020 09:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	43	Resp:	515250
Ion	Ratio	Lower	Upper
43	100		
61	20.1	16.2	24.4
87	13.6	11.0	16.6

Manual Integrations
 APPROVED

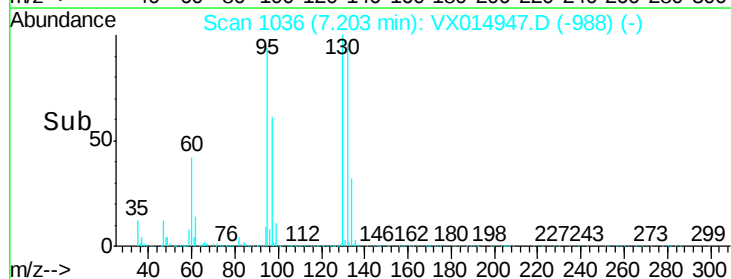
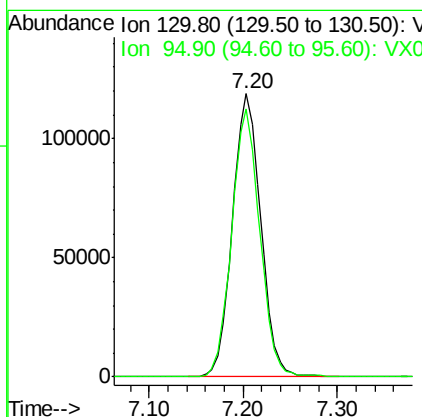
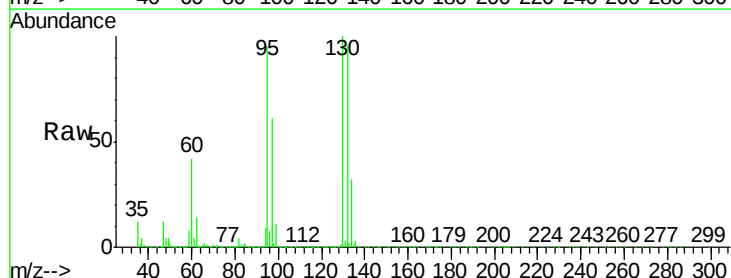
MMDadoda
 2/19/2020 12:14:40 PM

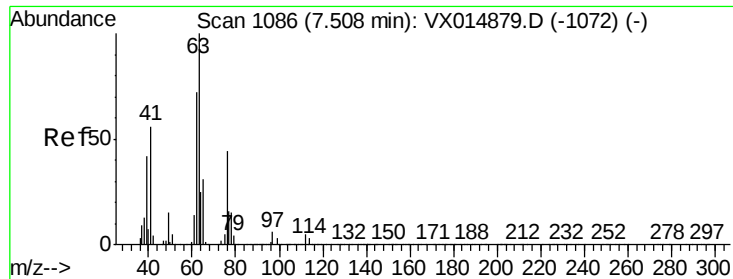


#44

Trichloroethene
 Concen: 47.383 ug/l
 RT: 7.20 min Scan# 1036
 Delta R.T. -0.01 min
 Lab File: VX014947.D
 Acq: 18 Feb 2020 09:54

Tgt Ion:	130	Resp:	247912
Ion	Ratio	Lower	Upper
130	100		
95	94.6	0.0	182.6





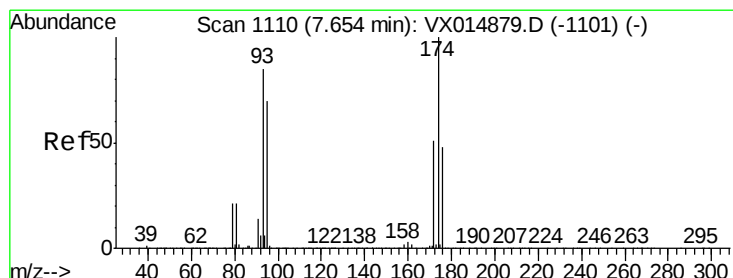
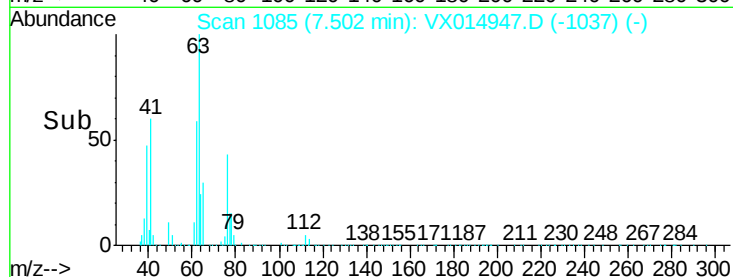
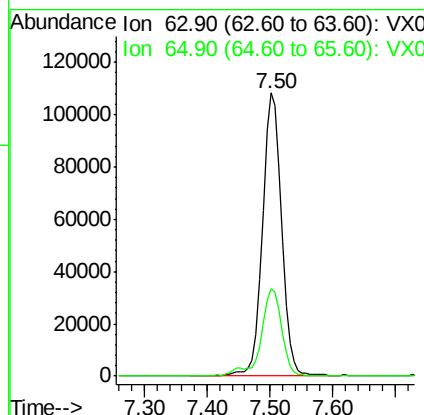
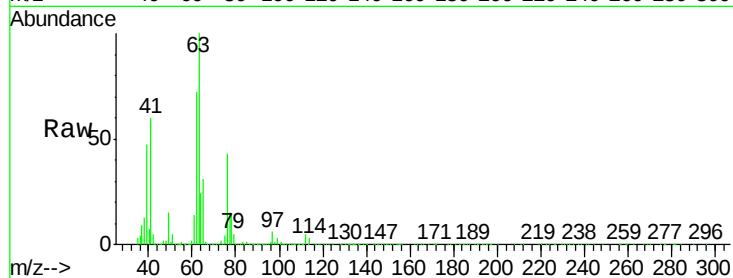
#45
 1,2-Dichloropropane
 Concen: 49.484 ug/l
 RT: 7.50 min Scan# 1085
 Delta R.T. -0.01 min
 Lab File: VX014947.D
 Acq: 18 Feb 2020 09:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.8	24.9	37.3

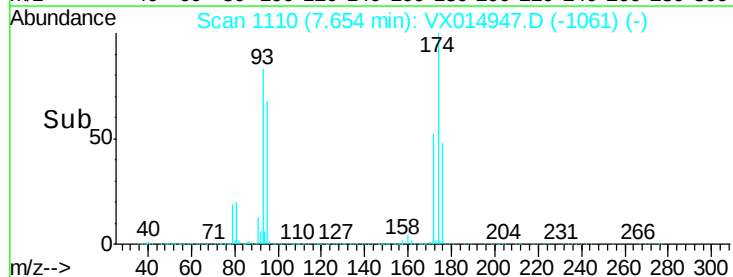
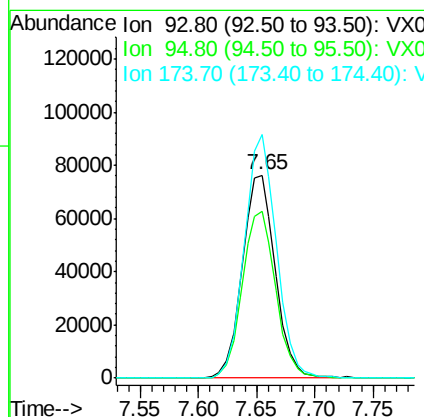
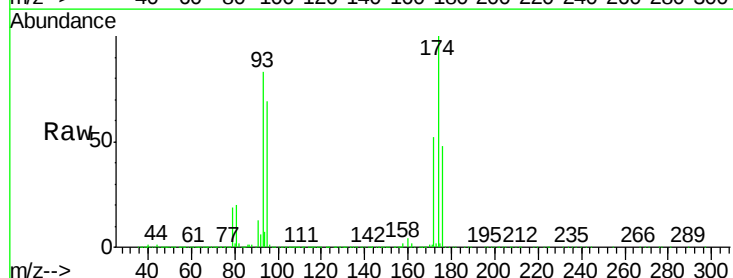
Manual Integrations
 APPROVED

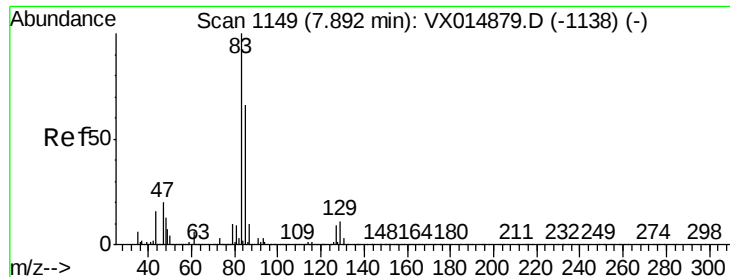
MMDadoda
 2/19/2020 12:14:40 PM



#46
 Dibromomethane
 Concen: 47.793 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VX014947.D
 Acq: 18 Feb 2020 09:54

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.2	65.8	98.8
174	117.2	95.4	143.2





#47

Bromodichloromethane

Concen: 49.287 ug/l

RT: 7.89 min Scan# 1148

Delta R.T. -0.01 min

Lab File: VX014947.D

Acq: 18 Feb 2020 09:54

Instrument :

MSVOA_X

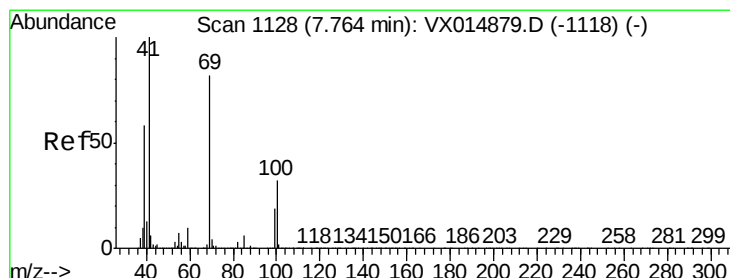
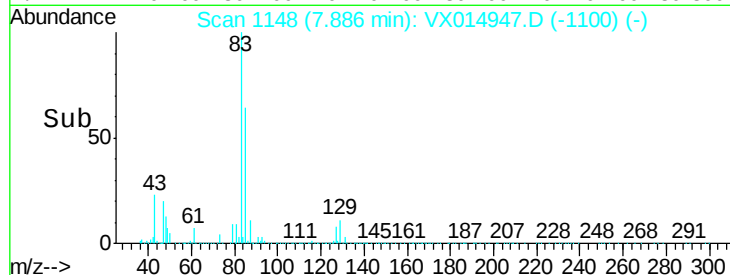
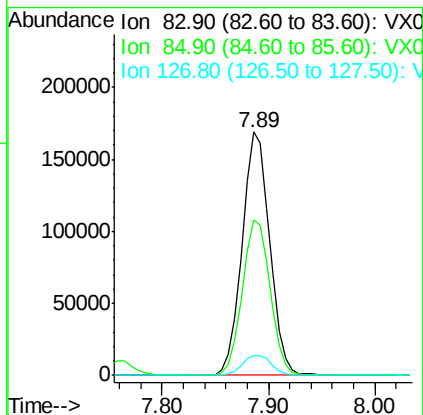
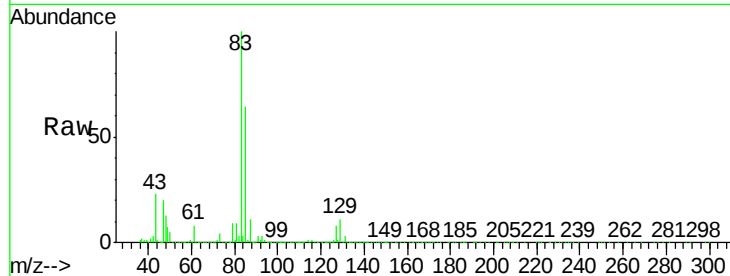
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	307045
Ion Ratio	Lower	Upper	
83	100		
85	63.7	52.5	78.7
127	8.1	7.4	11.0

Manual Integrations
APPROVED

MMDadoda
2/19/2020 12:14:40 PM



#48

Methyl methacrylate

Concen: 50.585 ug/l

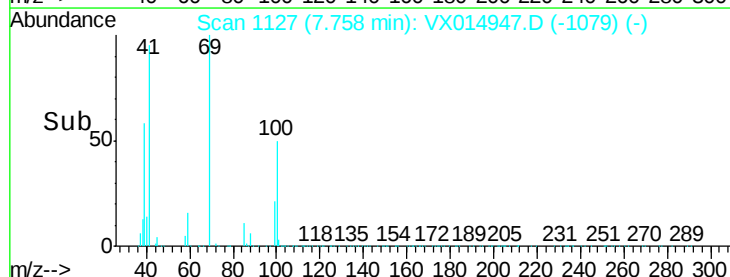
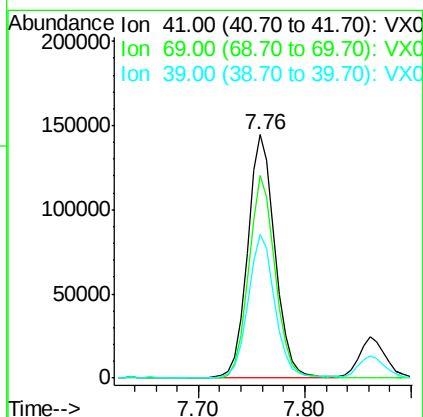
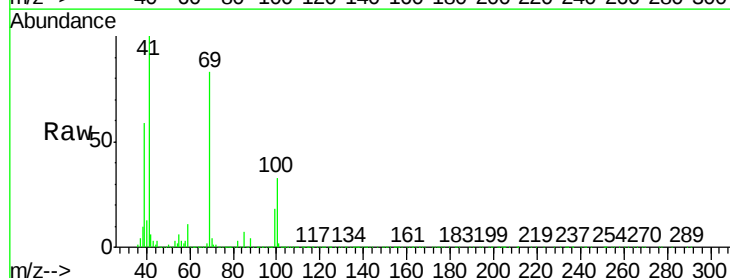
RT: 7.76 min Scan# 1127

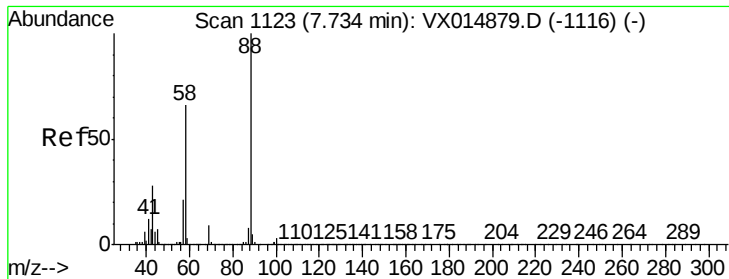
Delta R.T. -0.01 min

Lab File: VX014947.D

Acq: 18 Feb 2020 09:54

Tgt Ion:	41	Resp:	258368
Ion Ratio	Lower	Upper	
41	100		
69	80.9	65.7	98.5
39	57.4	45.8	68.8





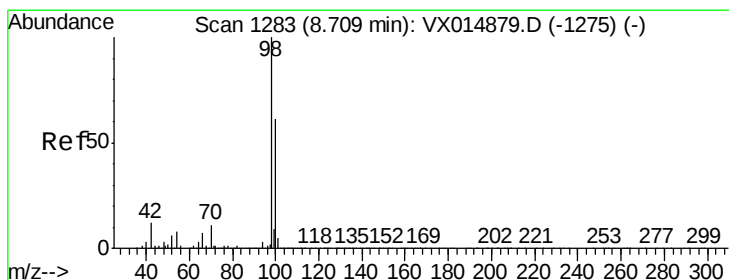
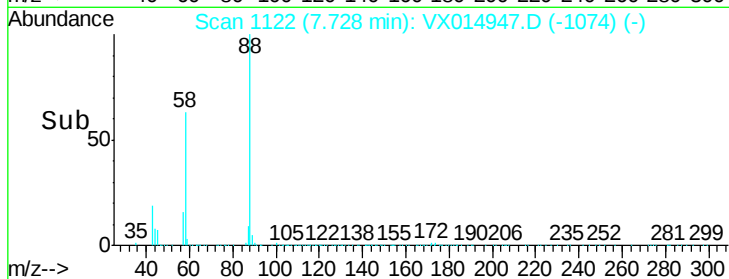
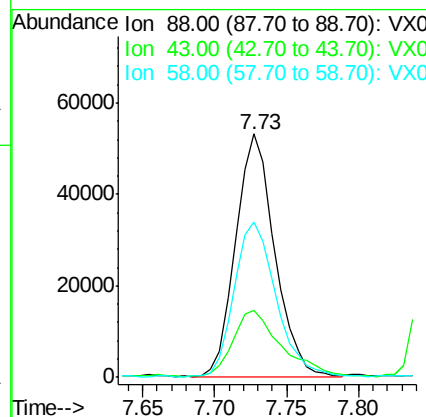
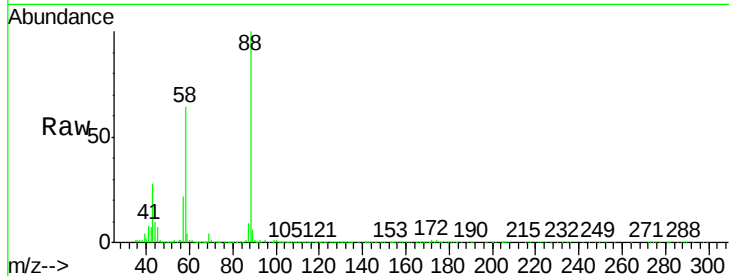
#49
1,4-Dioxane
Concen: 1046.998 ug/l
RT: 7.73 min Scan# 1122
Delta R.T. -0.01 min
Lab File: VX014947.D
Acq: 18 Feb 2020 09:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.6	27.0	40.4
58	68.6	53.2	79.8

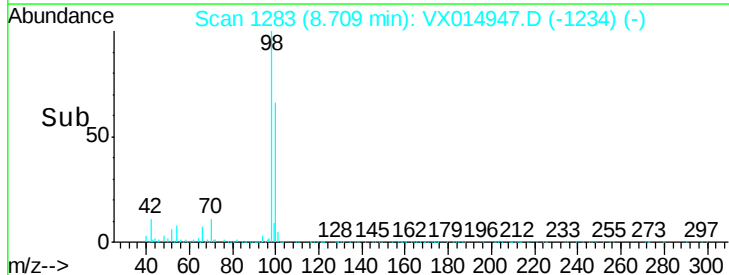
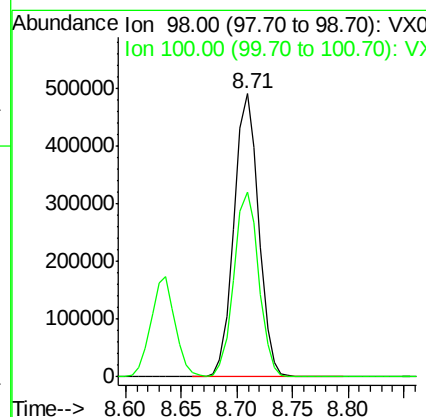
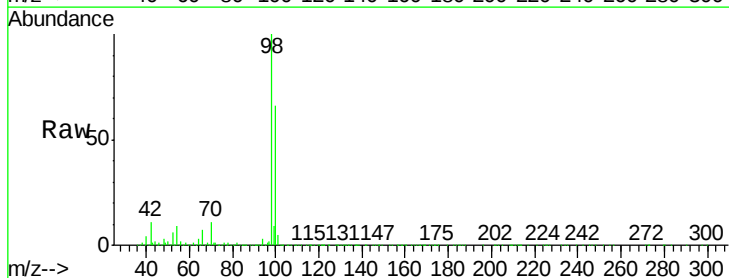
Manual Integrations
APPROVED

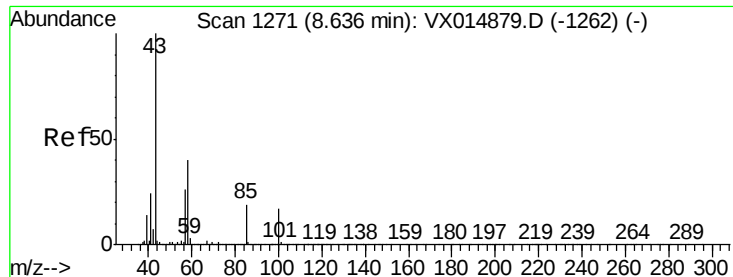
MMDadoda
2/19/2020 12:14:40 PM



#50
Toluene-d8
Concen: 47.639 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX014947.D
Acq: 18 Feb 2020 09:54

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.4	78.6





#51

4-Methyl-2-Pentanone

Concen: 251.208 ug/l

RT: 8.63 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VX014947.D

Acq: 18 Feb 2020 09:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1574273

Ion Ratio Lower Upper

43 100

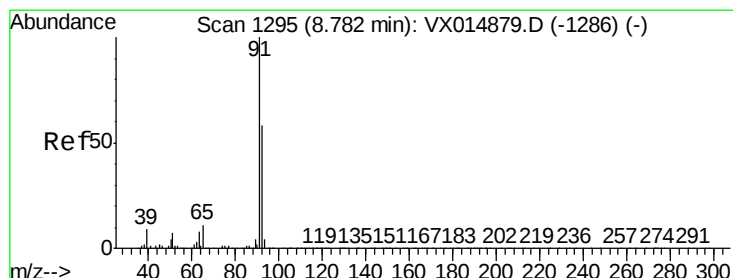
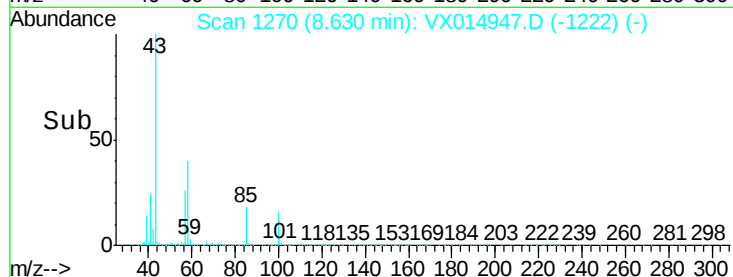
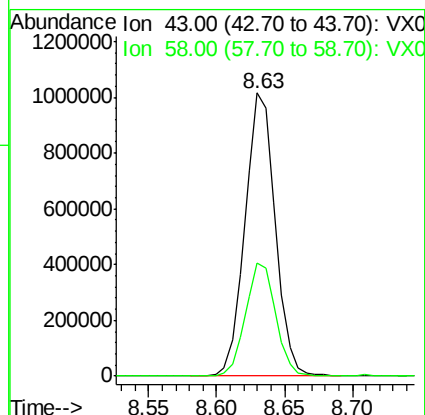
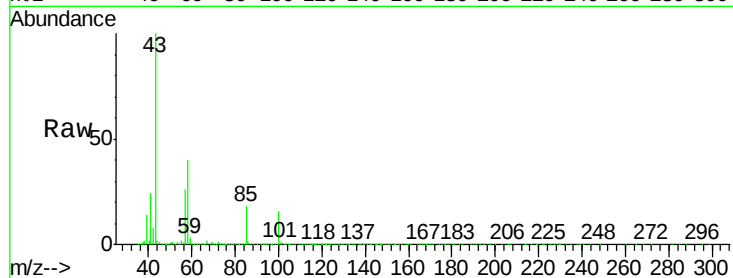
58 40.1 31.9 47.9

Manual Integrations

APPROVED

MMDadoda

2/19/2020 12:14:40 PM



#52

Toluene

Concen: 48.973 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.01 min

Lab File: VX014947.D

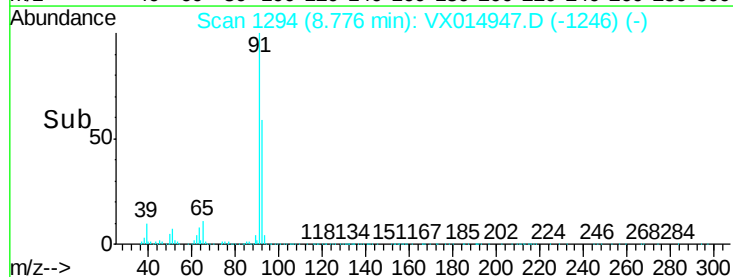
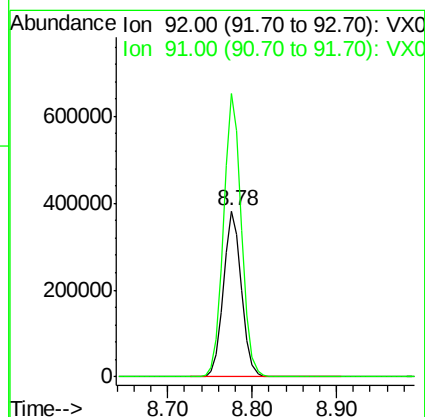
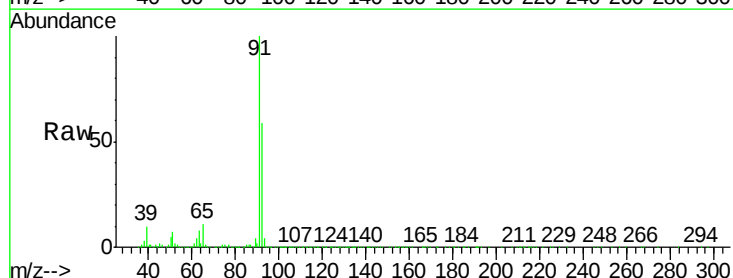
Acq: 18 Feb 2020 09:54

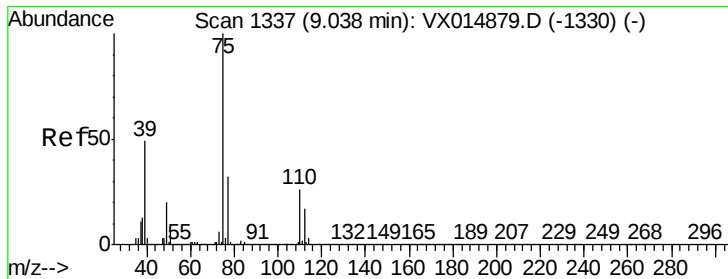
Tgt Ion: 92 Resp: 560606

Ion Ratio Lower Upper

92 100

91 170.8 137.0 205.4





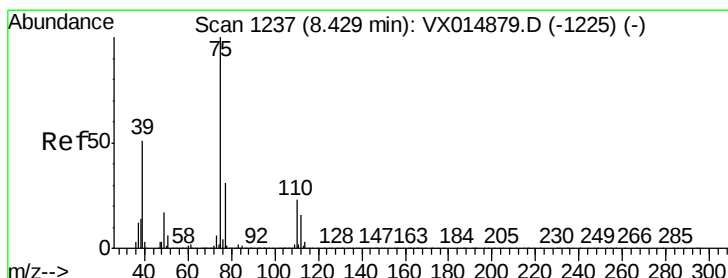
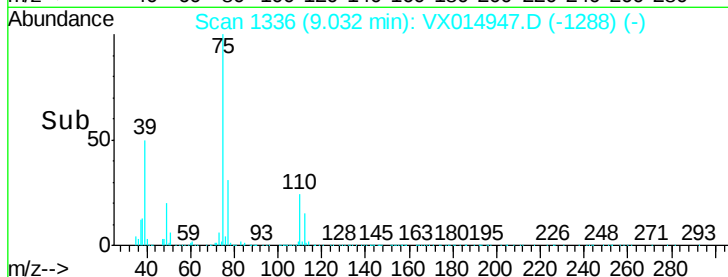
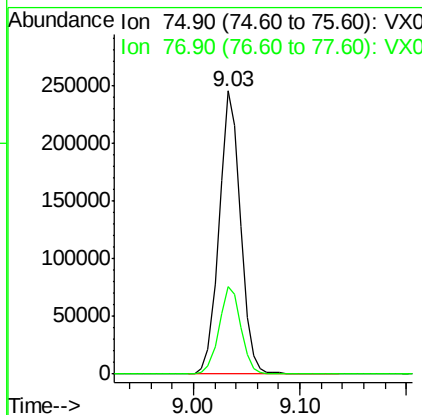
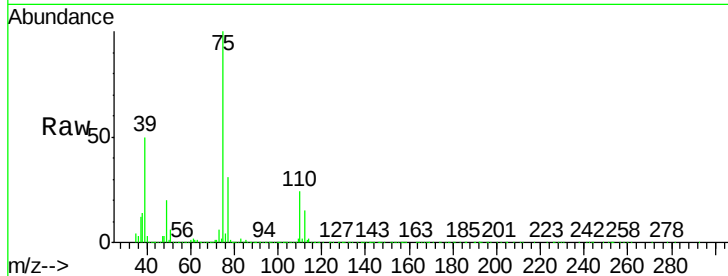
#53
t-1,3-Dichloropropene
Concen: 50.111 ug/l
RT: 9.03 min Scan# 1336
Delta R.T. -0.01 min
Lab File: VX014947.D
Acq: 18 Feb 2020 09:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 342128
Ion Ratio Lower Upper
75 100
77 30.7 25.5 38.3

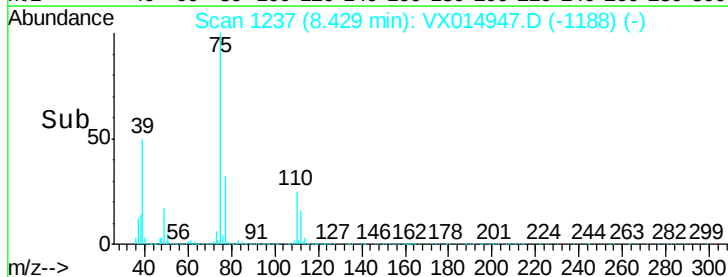
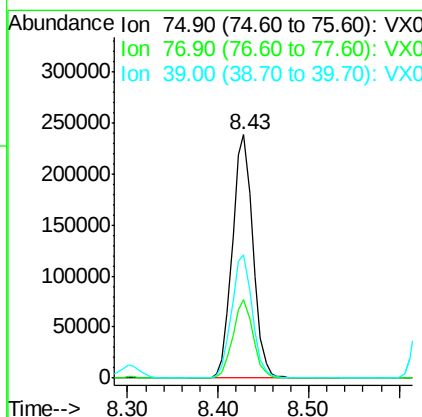
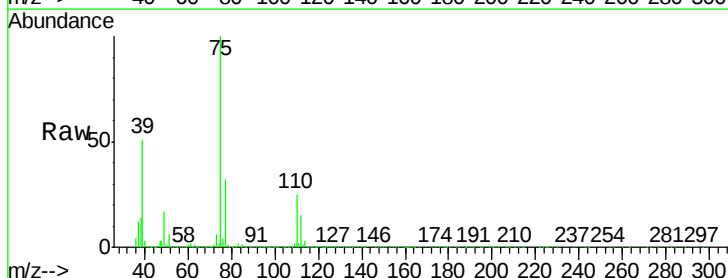
Manual Integrations
APPROVED

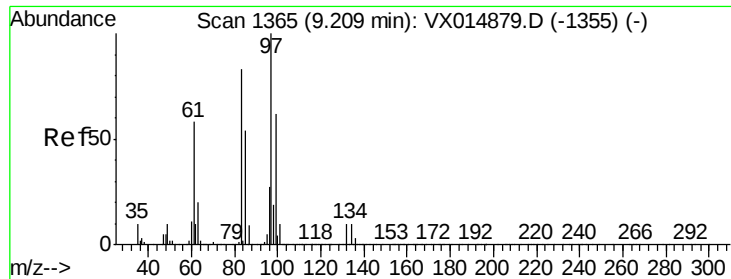
MMDadoda
2/19/2020 12:14:40 PM



#54
cis-1,3-Dichloropropene
Concen: 49.817 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VX014947.D
Acq: 18 Feb 2020 09:54

Tgt Ion: 75 Resp: 375738
Ion Ratio Lower Upper
75 100
77 32.1 24.6 37.0
39 50.4 40.9 61.3





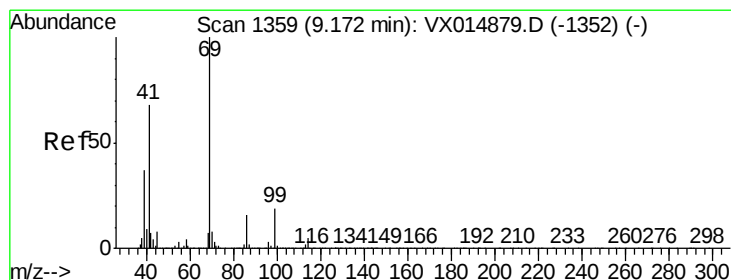
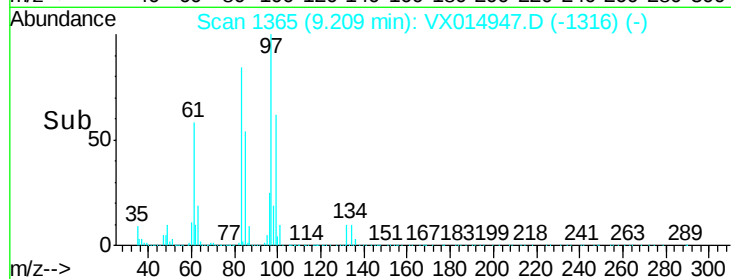
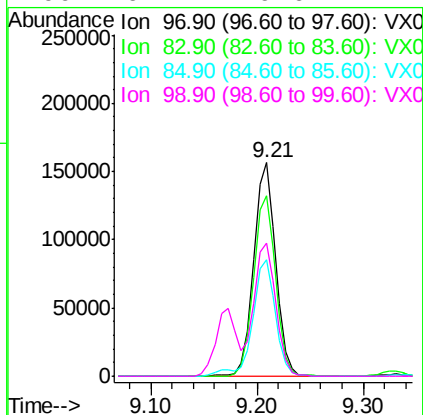
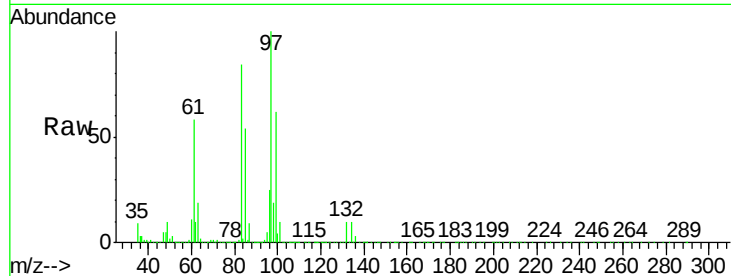
#55
 1,1,2-Trichloroethane
 Concen: 48.787 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX014947.D
 Acq: 18 Feb 2020 09:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		225948		
83	84.2	66.6	99.8		
85	54.3	43.5	65.3		
99	62.2	49.6	74.4		

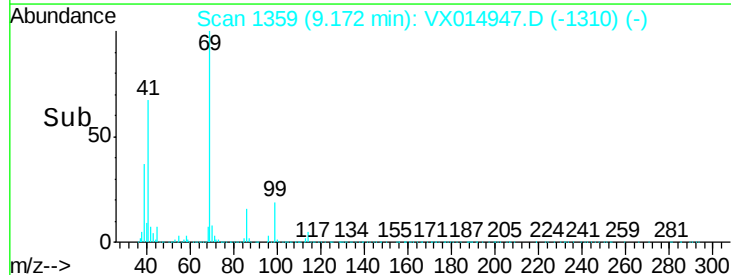
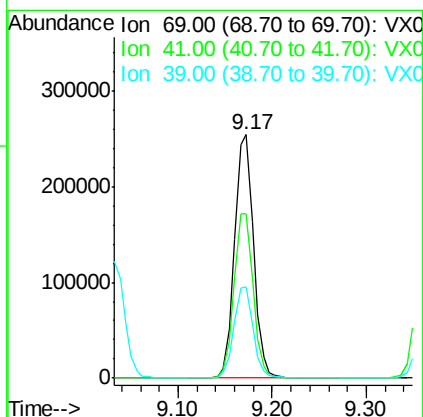
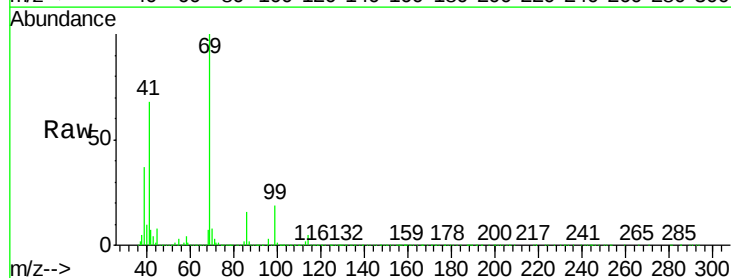
Manual Integrations
 APPROVED

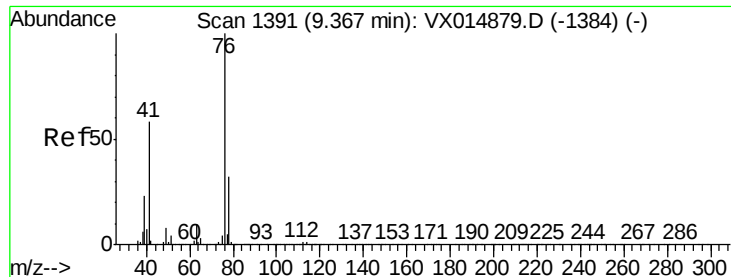
MMDadoda
 2/19/2020 12:14:40 PM



#56
 Ethyl methacrylate
 Concen: 51.107 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX014947.D
 Acq: 18 Feb 2020 09:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		355768		
41	67.9	54.8	82.2		
39	37.6	29.9	44.9		





#57

1,3-Dichloropropane

Concen: 48.536 ug/l

RT: 9.36 min Scan# 1390

Delta R.T. -0.01 min

Lab File: VX014947.D

Acq: 18 Feb 2020 09:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 378388

Ion Ratio Lower Upper

76 100

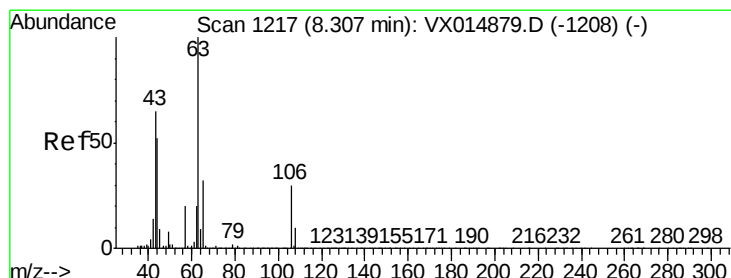
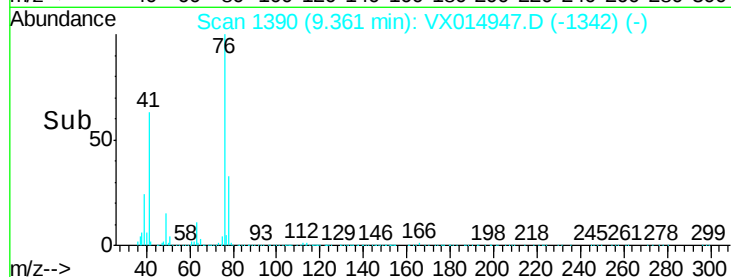
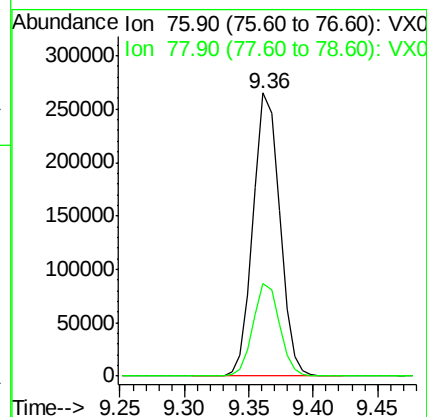
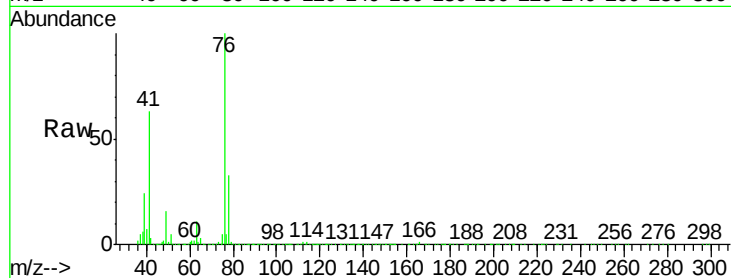
78 32.7 25.8 38.8

Manual Integrations

APPROVED

MMDadoda

2/19/2020 12:14:40 PM



#58

2-Chloroethyl Vinyl ether

Concen: 250.745 ug/l

RT: 8.30 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VX014947.D

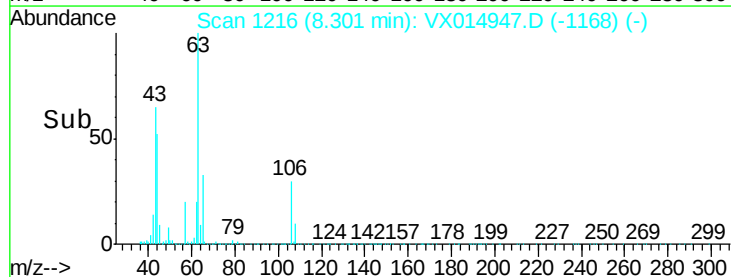
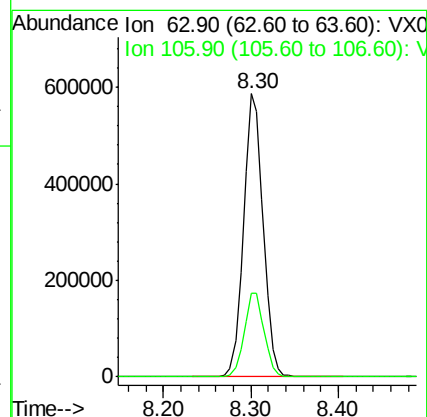
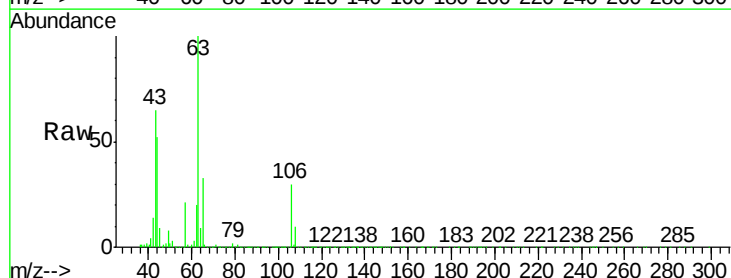
Acq: 18 Feb 2020 09:54

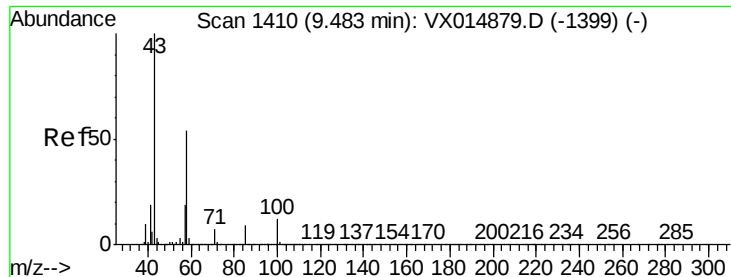
Tgt Ion: 63 Resp: 912863

Ion Ratio Lower Upper

63 100

106 30.1 23.8 35.8





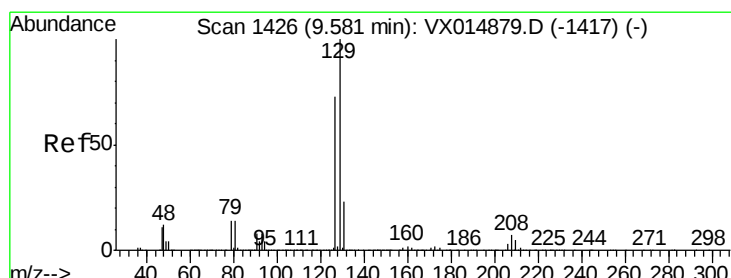
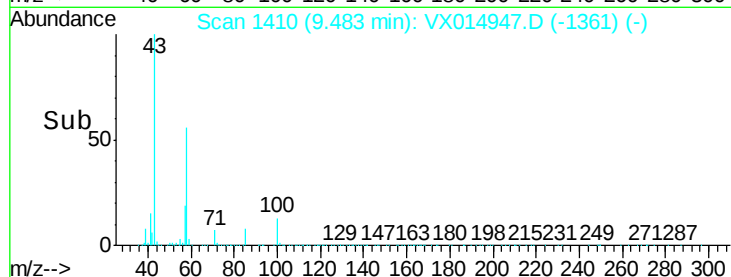
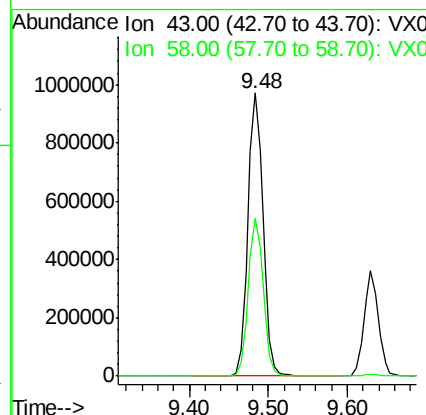
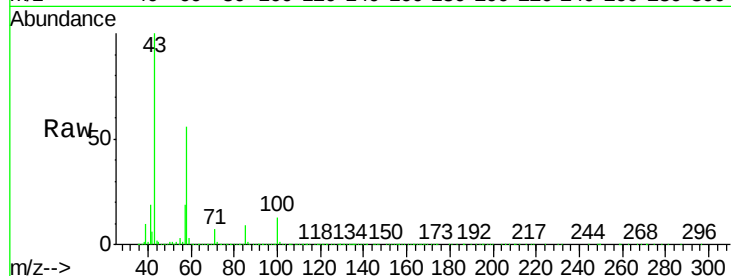
#59
2-Hexanone
Concen: 263.271 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. 0.00 min
Lab File: VX014947.D
Acq: 18 Feb 2020 09:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1296820
Ion Ratio Lower Upper
43 100
58 55.1 27.5 82.5

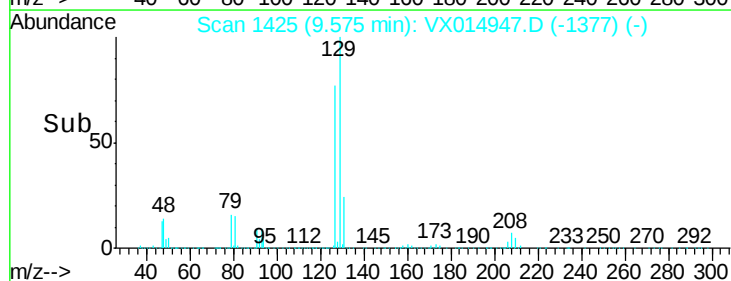
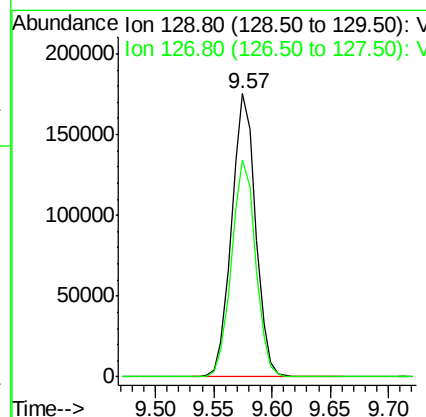
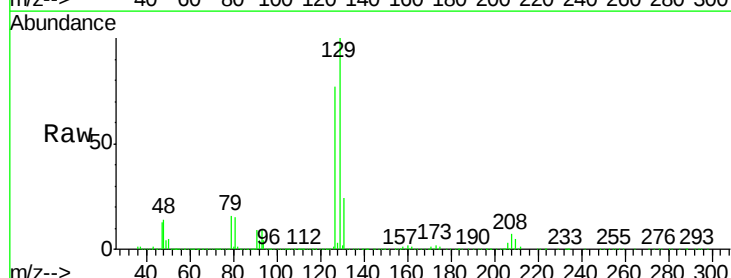
Manual Integrations
APPROVED

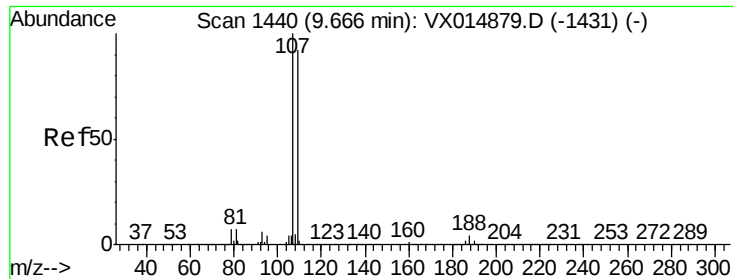
MMDadoda
2/19/2020 12:14:40 PM



#60
Dibromochloromethane
Concen: 50.468 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.01 min
Lab File: VX014947.D
Acq: 18 Feb 2020 09:54

Tgt Ion: 129 Resp: 251536
Ion Ratio Lower Upper
129 100
127 76.8 37.8 113.3





#61

1,2-Dibromoethane

Concen: 48.251 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX014947.D

Acq: 18 Feb 2020 09:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 241115

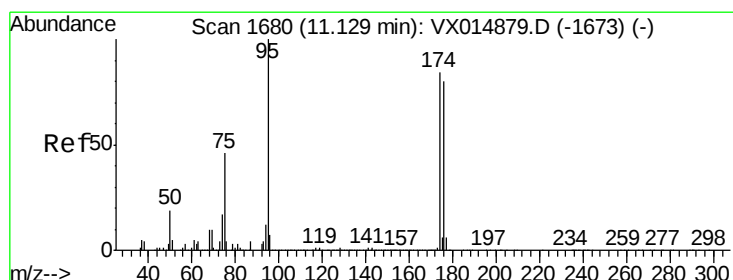
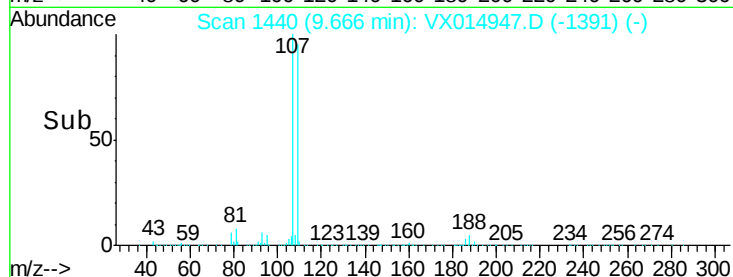
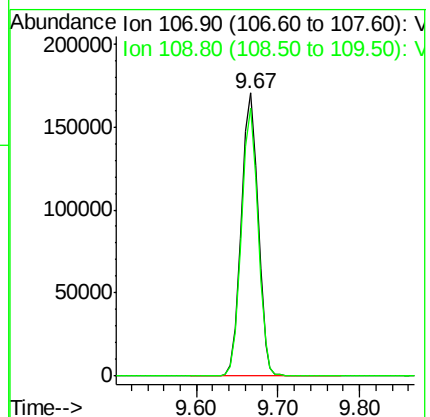
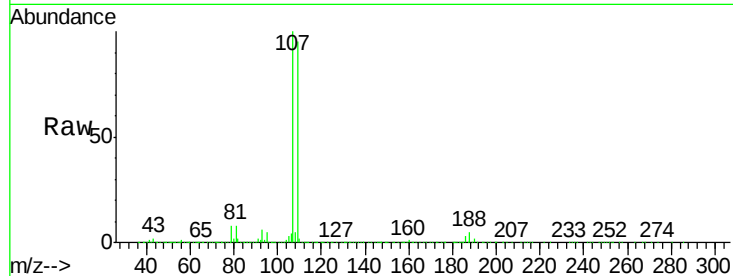
Ion Ratio Lower Upper

107 100

109 93.3 75.6 113.4

Manual Integrations
APPROVED

MMDadoda
2/19/2020 12:14:40 PM



#62

4-Bromofluorobenzene

Concen: 47.713 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VX014947.D

Acq: 18 Feb 2020 09:54

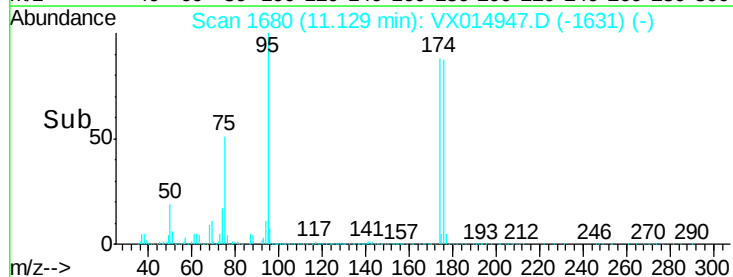
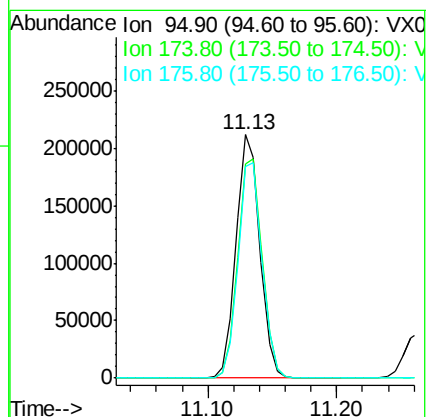
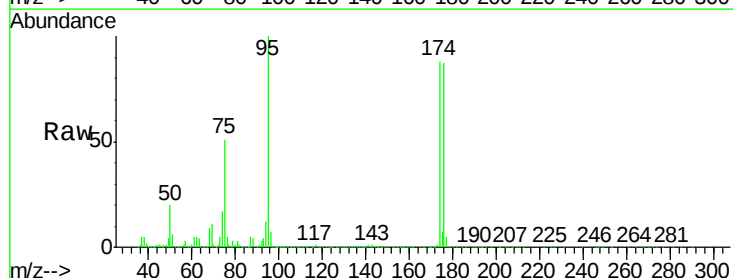
Tgt Ion: 95 Resp: 271987

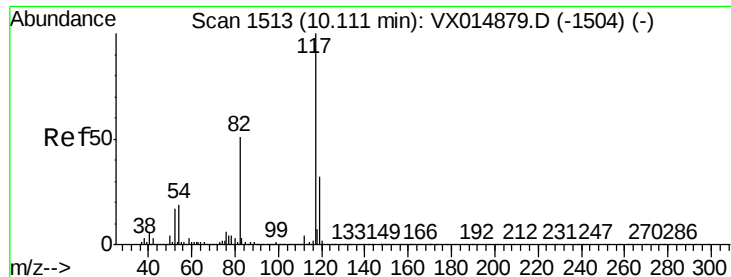
Ion Ratio Lower Upper

95 100

174 92.6 0.0 183.0

176 89.7 0.0 178.0





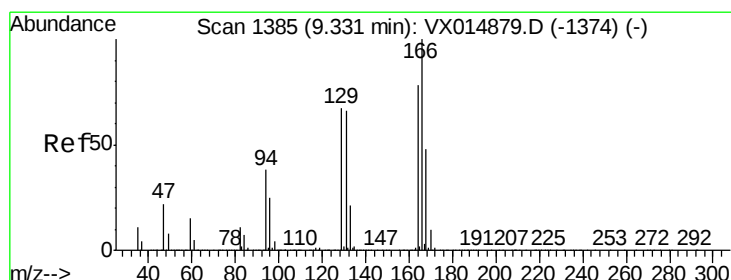
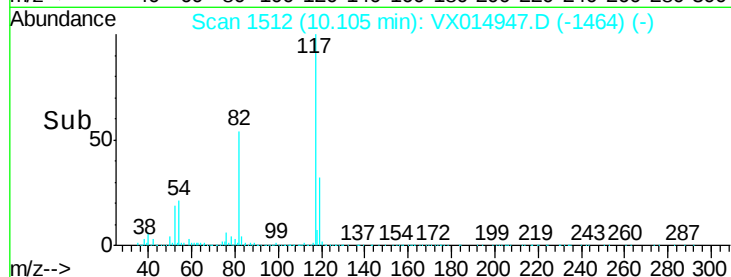
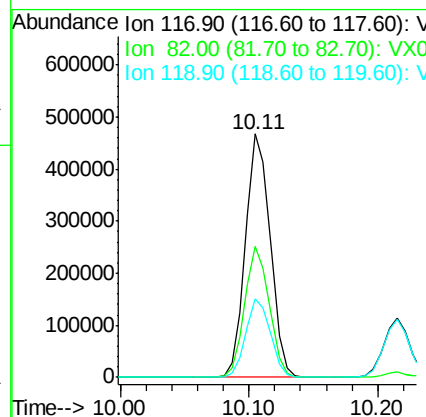
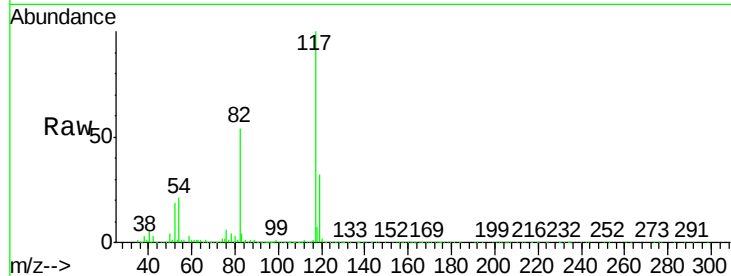
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX014947.D
Acq: 18 Feb 2020 09:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.6	40.5	60.7
119	32.2	25.8	38.6

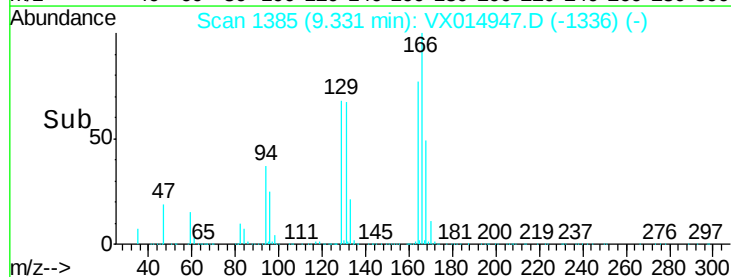
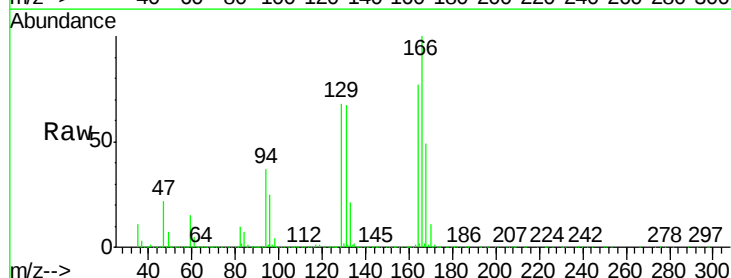
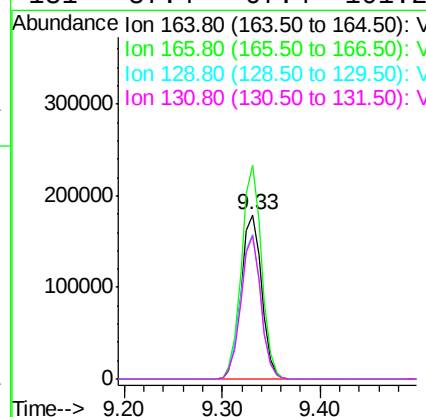
Manual Integrations
APPROVED

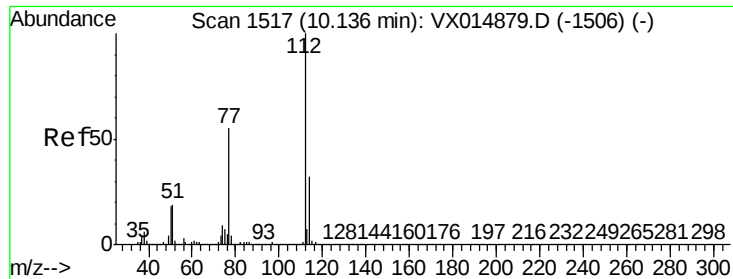
MMDadoda
2/19/2020 12:14:40 PM



#64
Tetrachloroethene
Concen: 45.287 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX014947.D
Acq: 18 Feb 2020 09:54

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.1	102.6	153.8
129	88.3	68.3	102.5
131	87.4	67.4	101.2





#65

Chlorobenzene

Concen: 48.901 ug/l

RT: 10.13 min Scan# 1516

Delta R.T. -0.01 min

Lab File: VX014947.D

Acq: 18 Feb 2020 09:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 616063

Ion Ratio Lower Upper

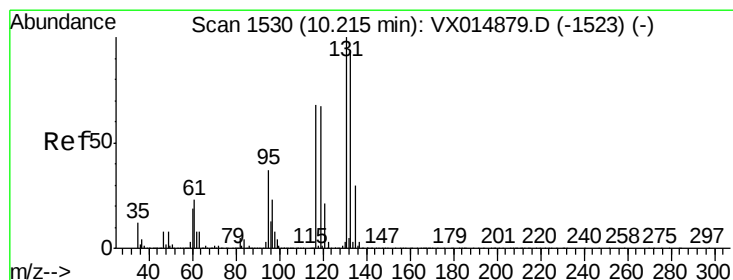
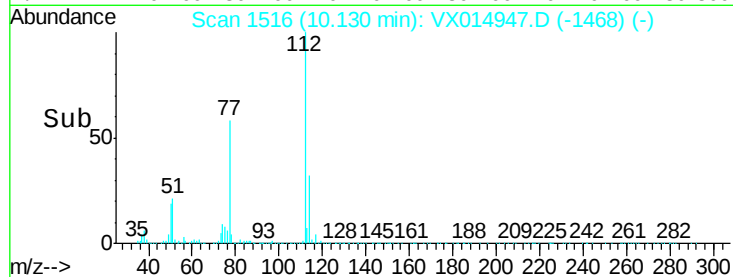
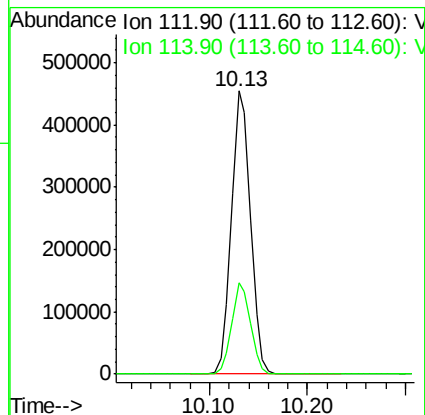
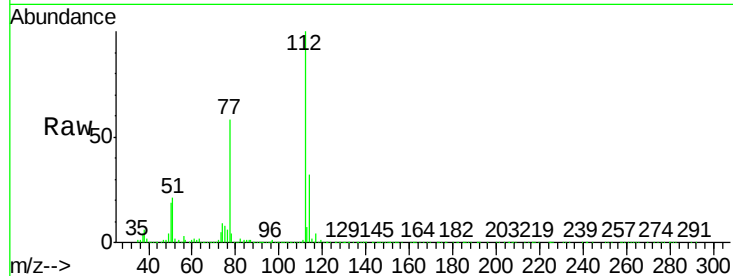
112 100

114 32.1 25.6 38.4

Manual Integrations
APPROVED

MMDadoda

2/19/2020 12:14:40 PM



#66

1,1,1,2-Tetrachloroethane

Concen: 50.616 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VX014947.D

Acq: 18 Feb 2020 09:54

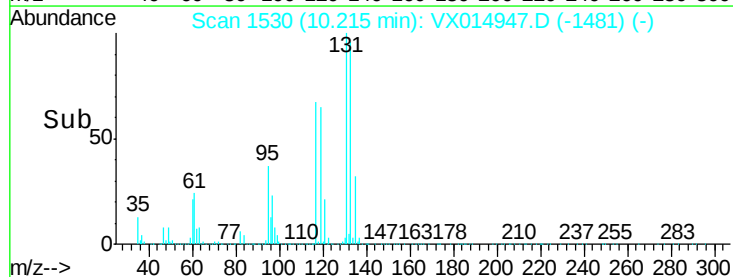
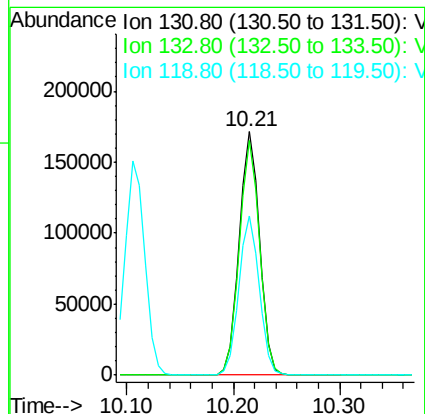
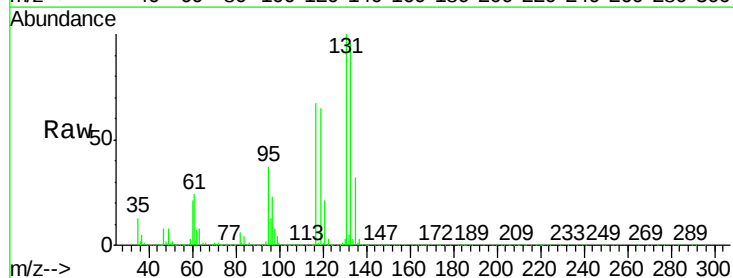
Tgt Ion:131 Resp: 231502

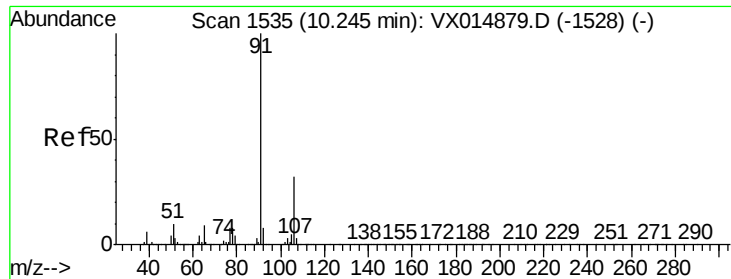
Ion Ratio Lower Upper

131 100

133 96.1 48.1 144.4

119 65.3 33.0 99.0





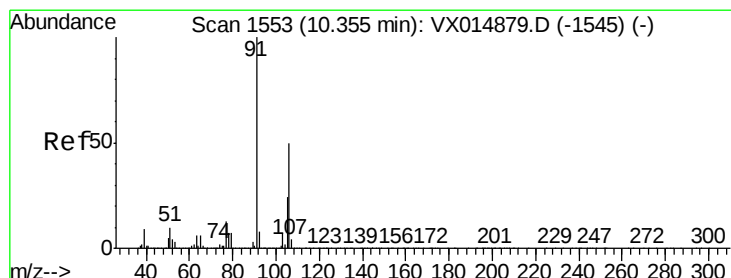
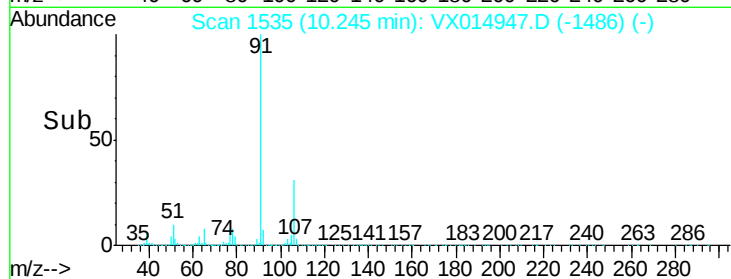
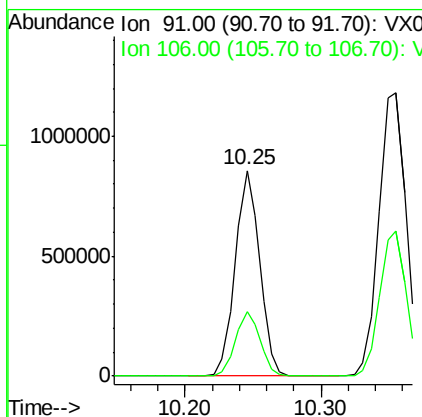
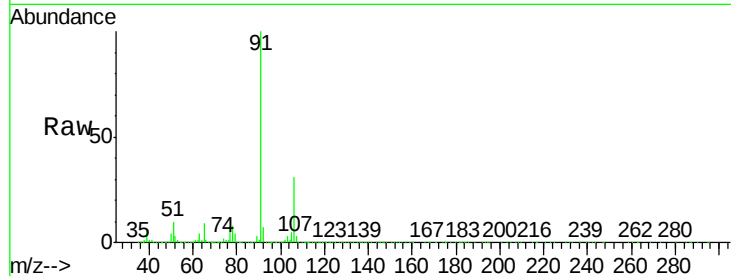
#67
Ethyl Benzene
Concen: 50.189 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. 0.00 min
Lab File: VX014947.D
Acq: 18 Feb 2020 09:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1075338
Ion Ratio Lower Upper
91 100
106 31.2 25.3 37.9

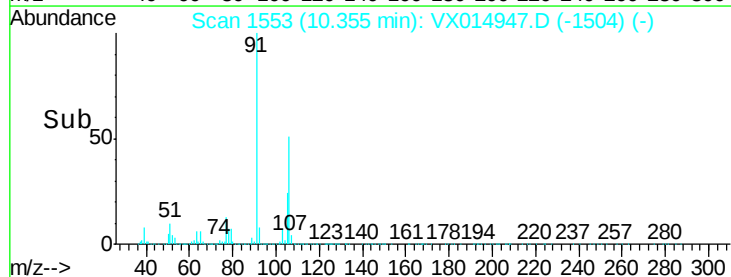
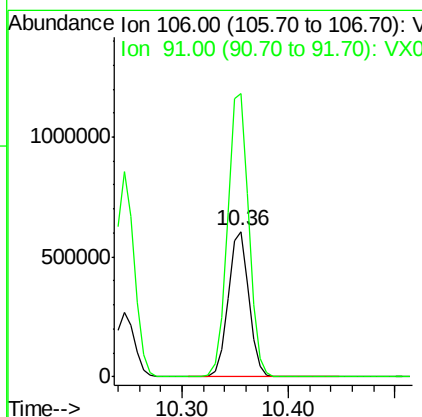
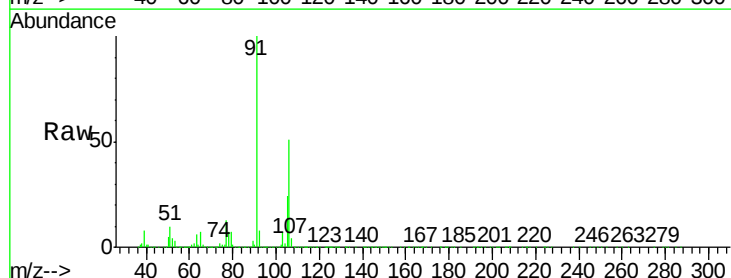
Manual Integrations
APPROVED

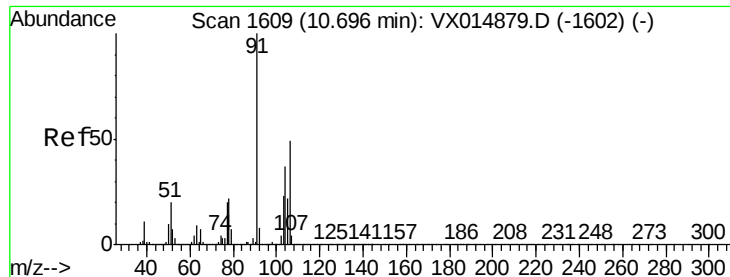
MMDadoda
2/19/2020 12:14:40 PM



#68
m/p-Xylenes
Concen: 99.818 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX014947.D
Acq: 18 Feb 2020 09:54

Tgt Ion: 106 Resp: 823884
Ion Ratio Lower Upper
106 100
91 200.0 160.6 240.8





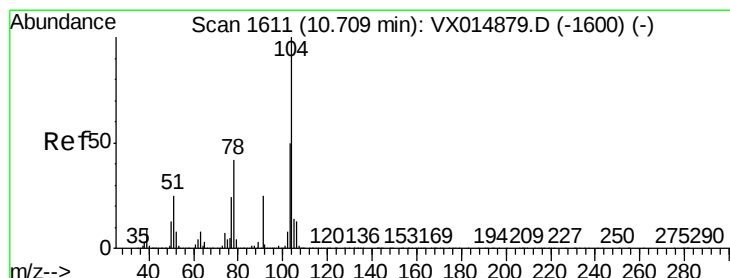
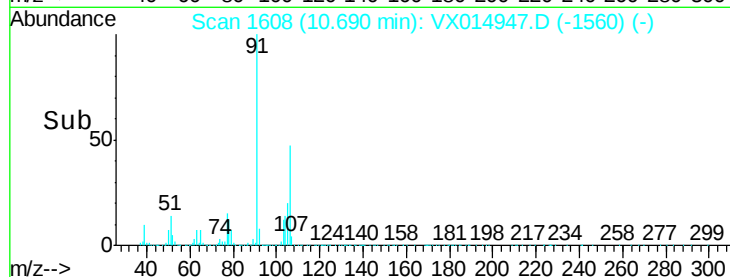
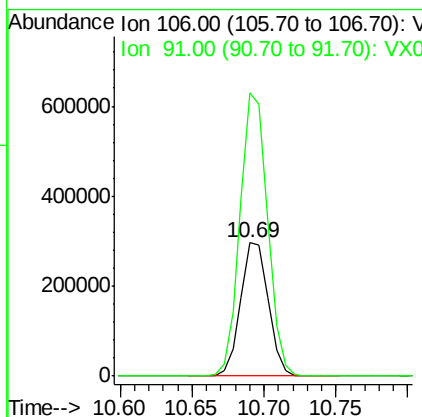
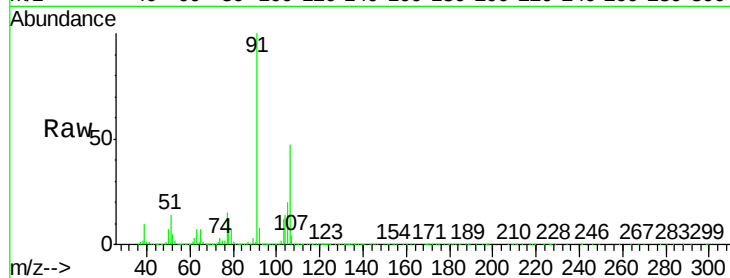
#69
o-Xylene
Concen: 50.093 ug/l
RT: 10.69 min Scan# 1608
Delta R.T. -0.01 min
Lab File: VX014947.D
Acq: 18 Feb 2020 09:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
106	100	397450		
91	210.7	105.1	315.3	

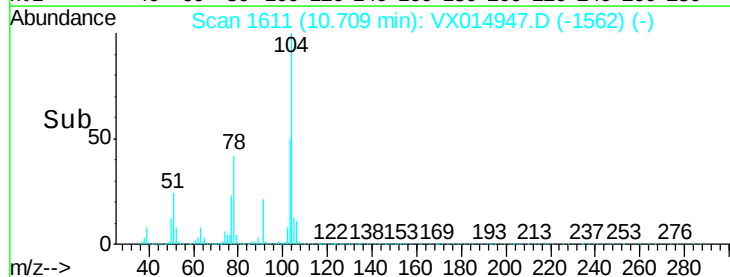
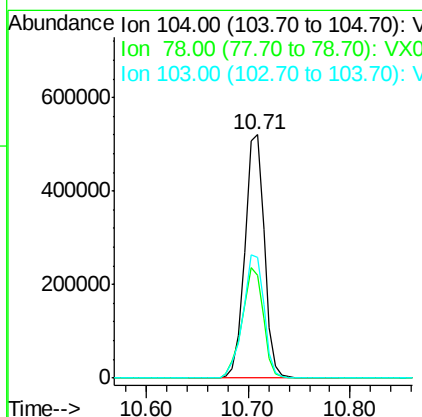
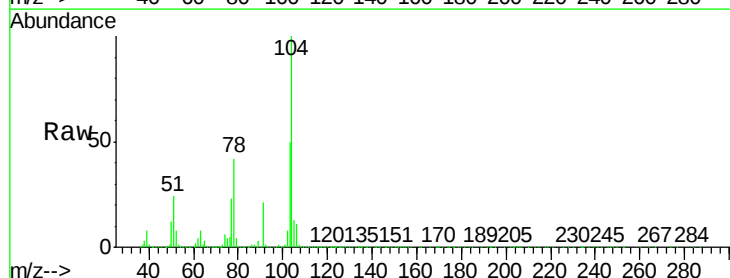
Manual Integrations
APPROVED

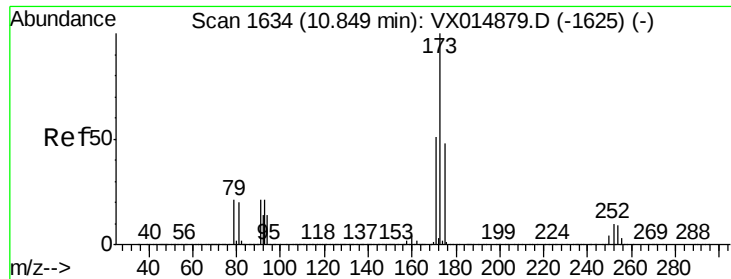
MMDadoda
2/19/2020 12:14:40 PM



#70
Styrene
Concen: 51.270 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX014947.D
Acq: 18 Feb 2020 09:54

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	688181		
78	48.9	39.0	58.4	
103	54.7	43.4	65.0	





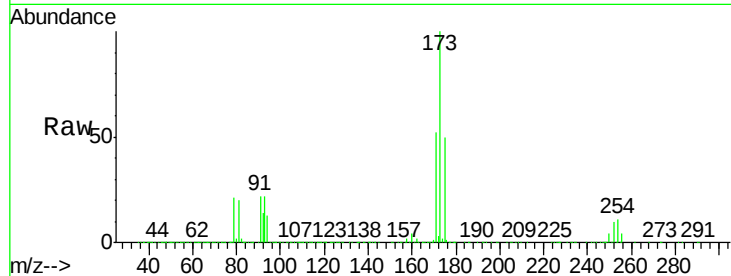
#71
Bromoform
Concen: 51.536 ug/l
RT: 10.85 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VX014947.D
Acq: 18 Feb 2020 09:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.2	72.6
254	0.3	0.2	0.2#

Manual Integrations
APPROVED

MMDadoda
2/19/2020 12:14:40 PM

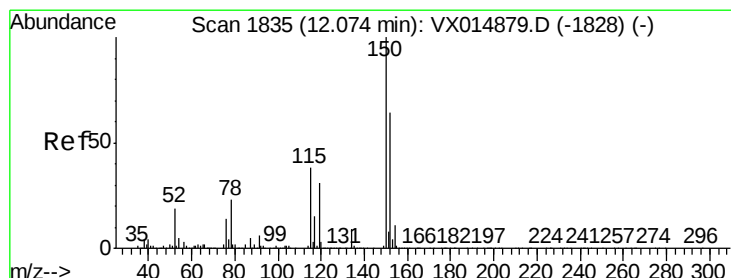
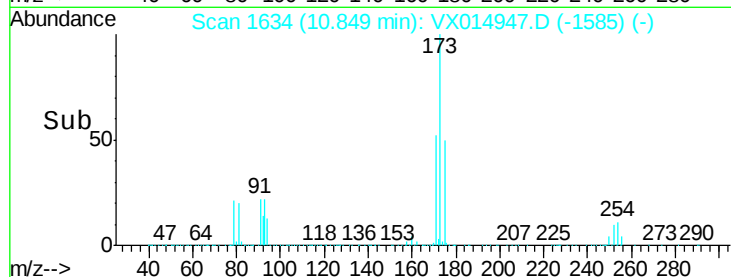
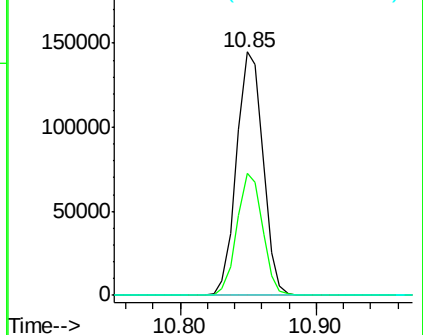


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX014947.D
Acq: 18 Feb 2020 09:54

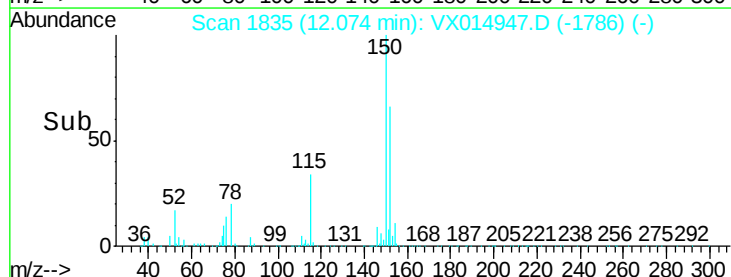
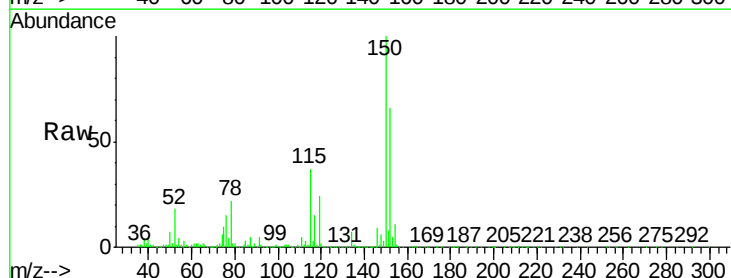
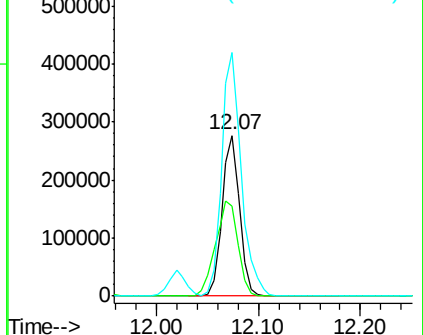
Tgt Ion	Ratio	Lower	Upper
152	100		
115	76.3	38.6	116.0
150	170.0	0.0	349.0

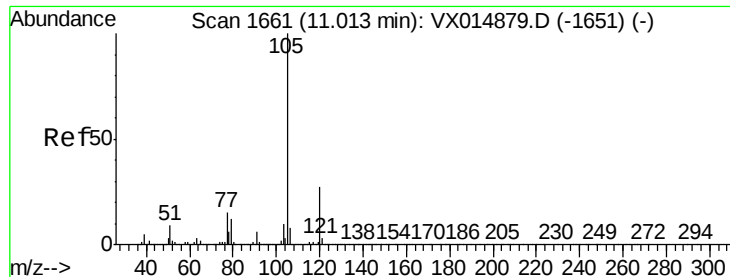
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.746 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX014947.D

Acq: 18 Feb 2020 09:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1069568

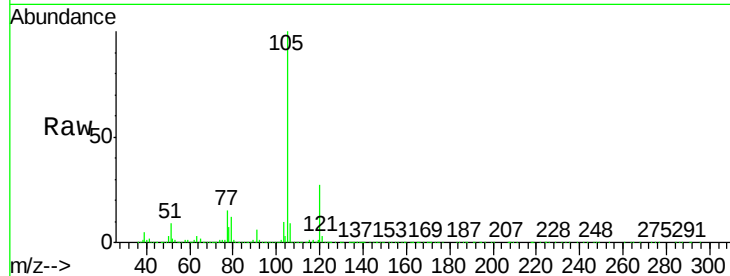
Ion Ratio Lower Upper

105 100

120 27.2 13.6 40.8

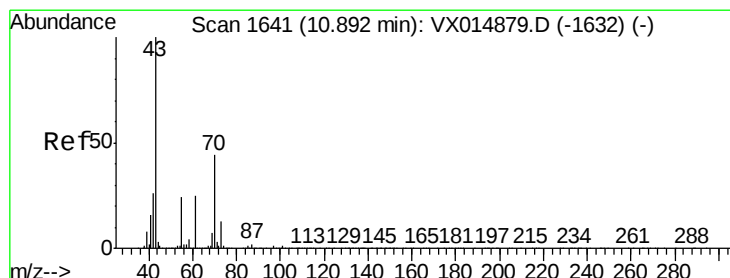
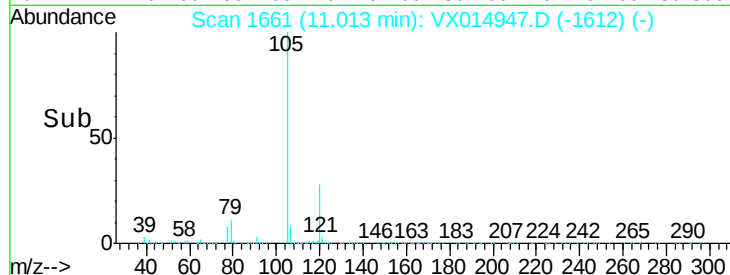
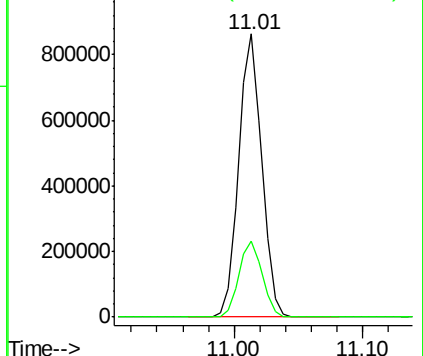
Manual Integrations
APPROVED

MMDadoda
2/19/2020 12:14:40 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 53.151 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX014947.D

Acq: 18 Feb 2020 09:54

Tgt Ion: 43 Resp: 456473

Ion Ratio Lower Upper

43 100

70 43.9 35.0 52.4

55 24.1 19.4 29.2

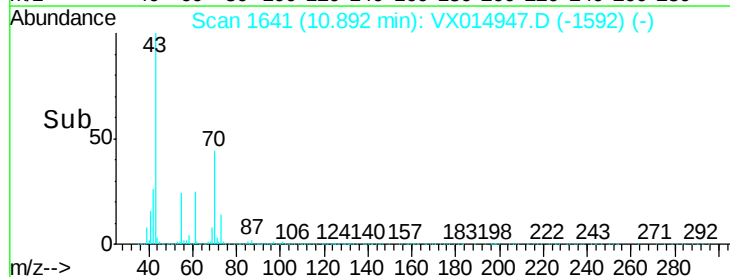
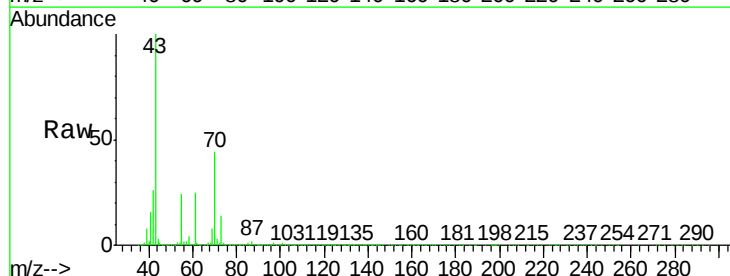
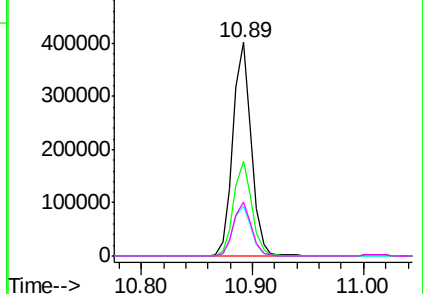
61 24.9 19.8 29.6

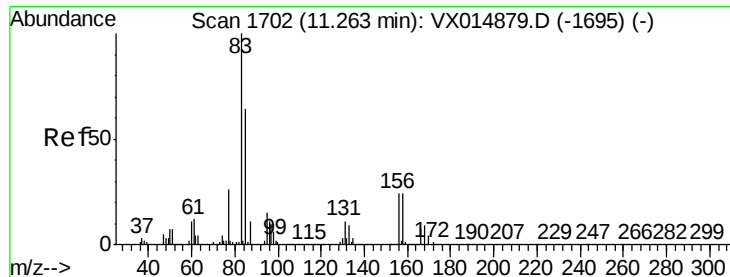
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 49.422 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX014947.D

Acq: 18 Feb 2020 09:54

Instrument :

MSVOA_X

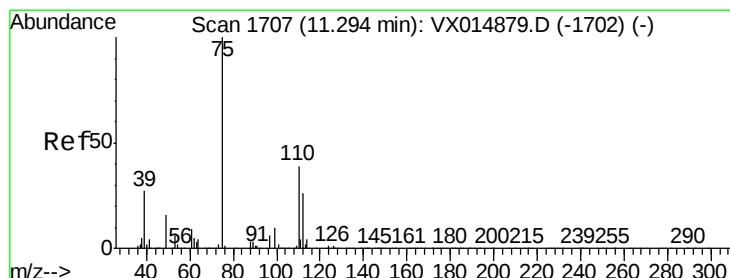
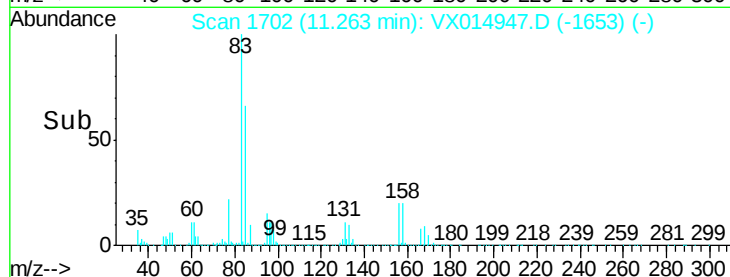
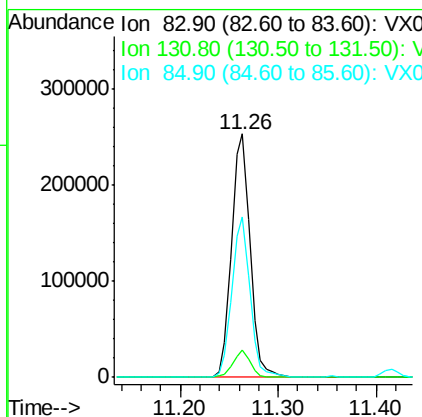
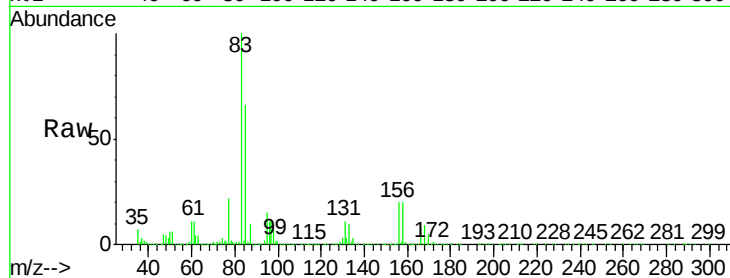
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	333926
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.3	16.1
85	64.7	32.6	97.7

Manual Integrations
APPROVED

MMDadoda
2/19/2020 12:14:40 PM



#76

1,2,3-Trichloropropane

Concen: 48.146 ug/l m

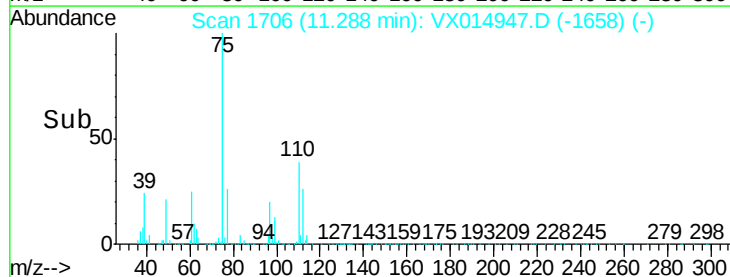
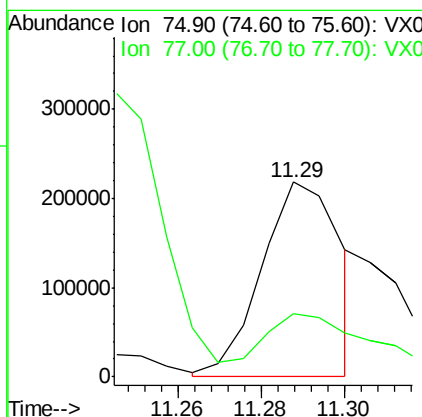
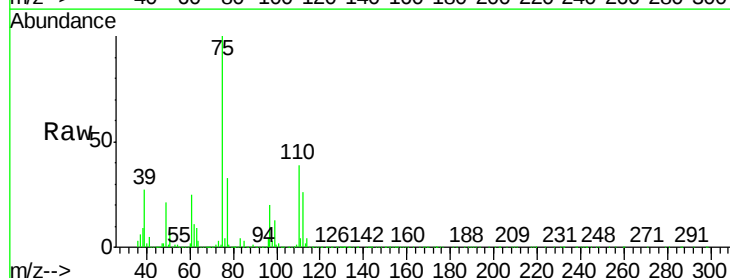
RT: 11.29 min Scan# 1706

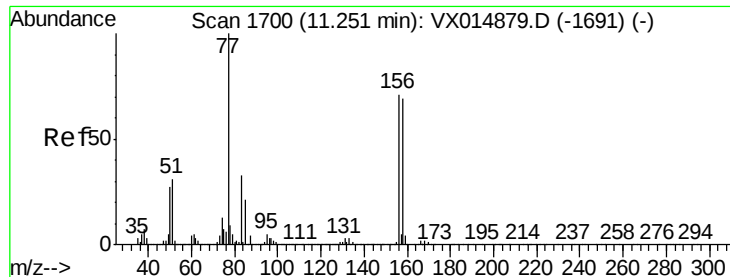
Delta R.T. -0.01 min

Lab File: VX014947.D

Acq: 18 Feb 2020 09:54

Tgt Ion:	75	Resp:	286958
Ion Ratio	Lower	Upper	
75	100		
77	45.3	18.4	55.0





#77

Bromobenzene

Concen: 49.169 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX014947.D

Acq: 18 Feb 2020 09:54

Instrument :

MSVOA_X

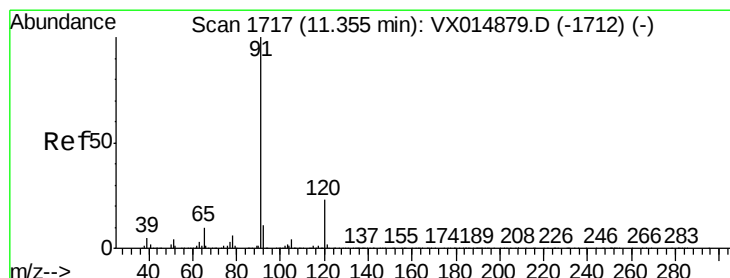
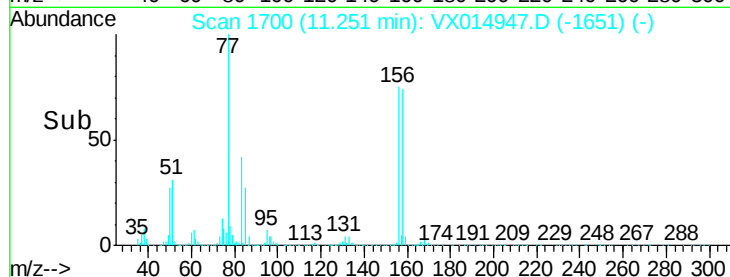
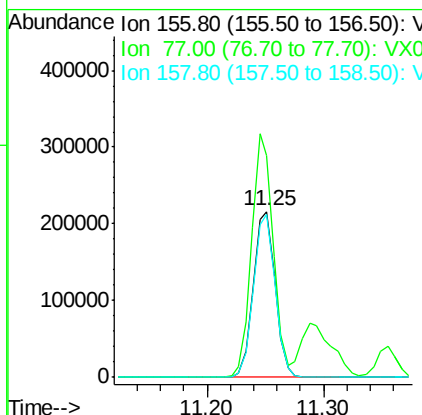
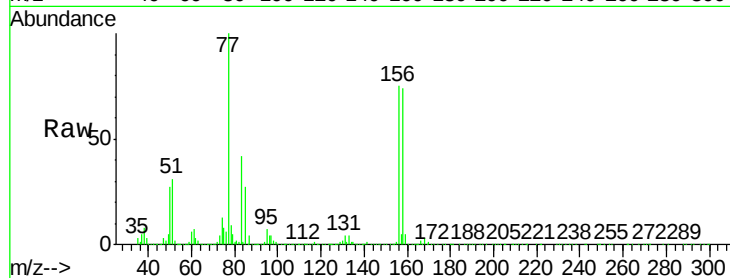
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	283659
Ion Ratio	Lower	Upper	
156	100		
77	144.2	74.0	222.0
158	98.2	48.9	146.6

Manual Integrations
APPROVED

MMDadoda
2/19/2020 12:14:40 PM



#78

n-propylbenzene

Concen: 51.677 ug/l

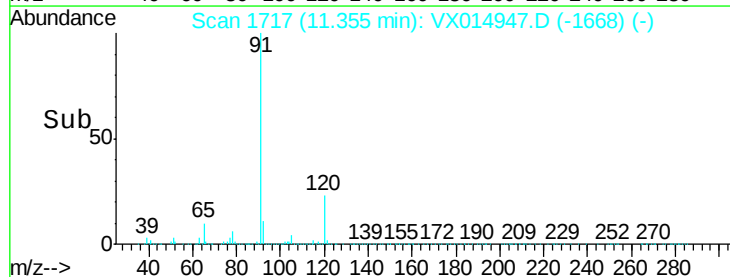
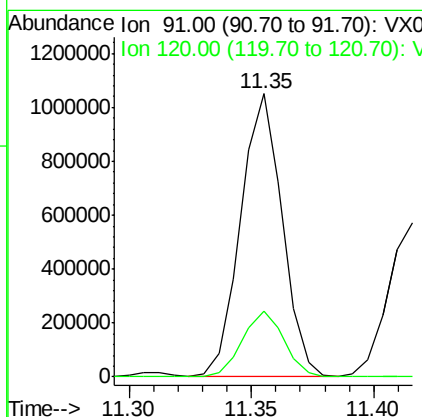
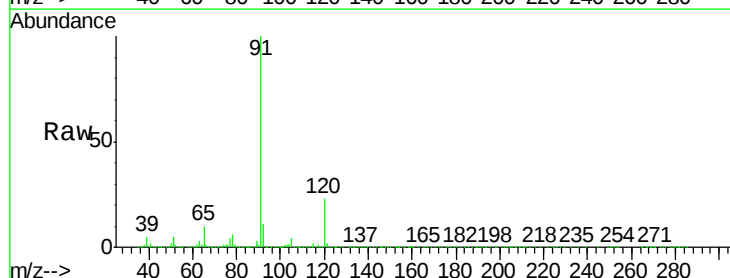
RT: 11.35 min Scan# 1717

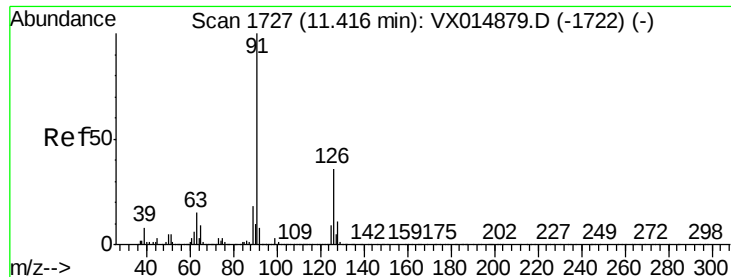
Delta R.T. 0.00 min

Lab File: VX014947.D

Acq: 18 Feb 2020 09:54

Tgt Ion:	91	Resp:	1235416
Ion Ratio	Lower	Upper	
91	100		
120	23.4	11.8	35.4





#79

2-Chlorotoluene

Concen: 50.720 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX014947.D

Acq: 18 Feb 2020 09:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 712830

Ion Ratio Lower Upper

91 100

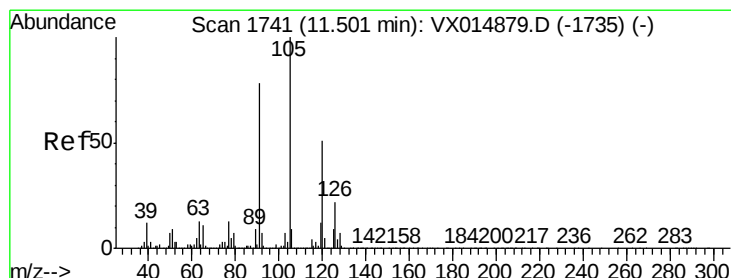
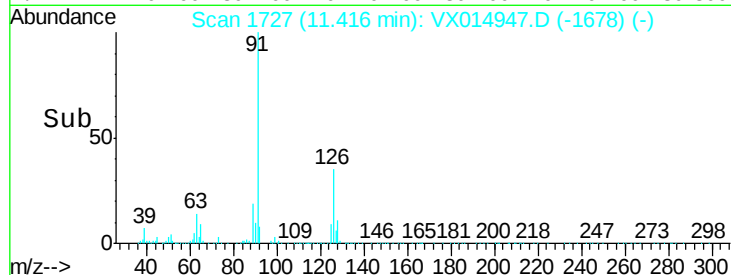
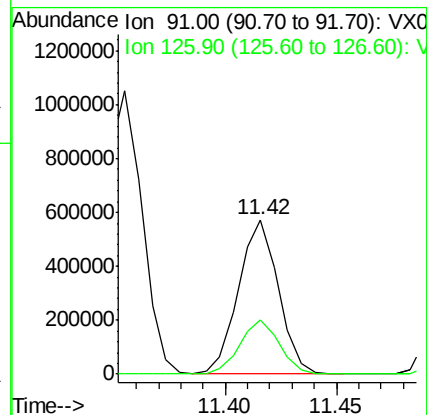
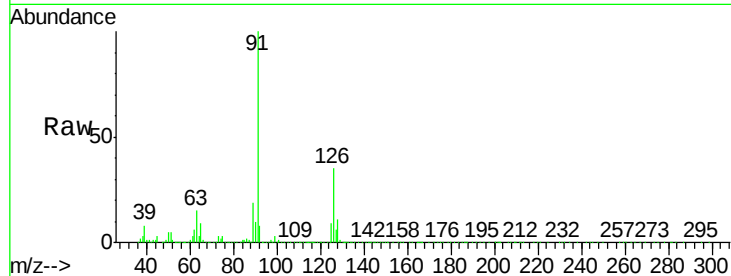
126 35.0 18.0 54.0

Manual Integrations

APPROVED

MMDadoda

2/19/2020 12:14:40 PM



#80

1,3,5-Trimethylbenzene

Concen: 52.121 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX014947.D

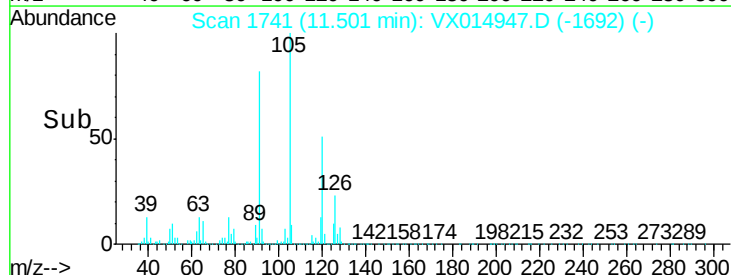
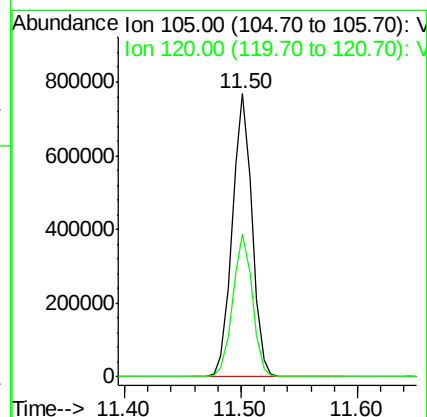
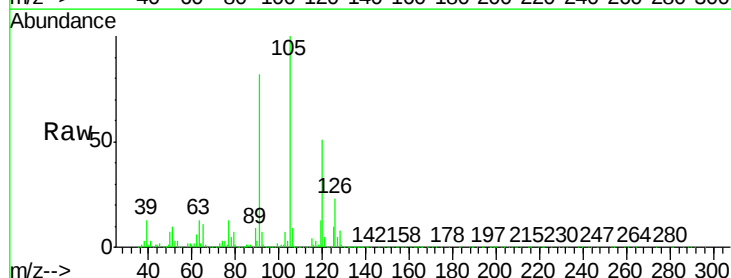
Acq: 18 Feb 2020 09:54

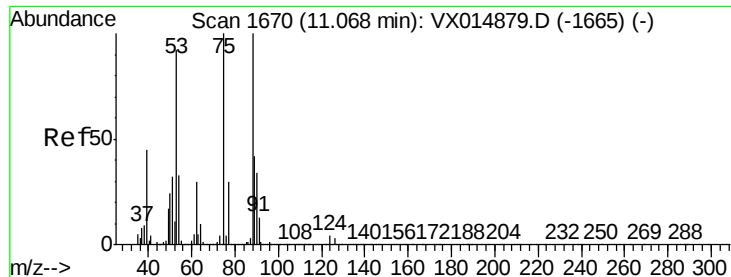
Tgt Ion: 105 Resp: 900166

Ion Ratio Lower Upper

105 100

120 50.2 25.6 76.6





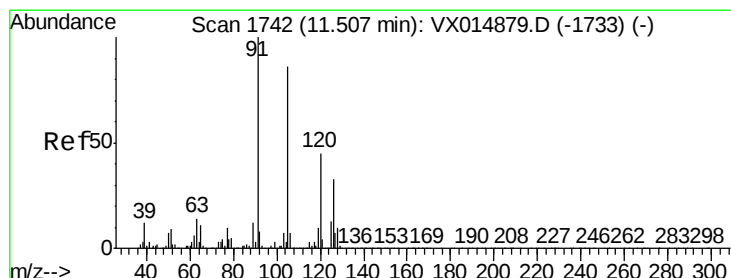
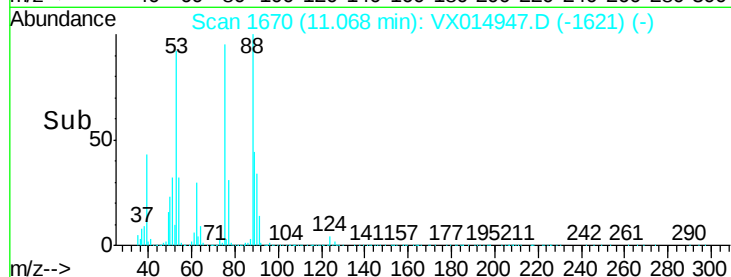
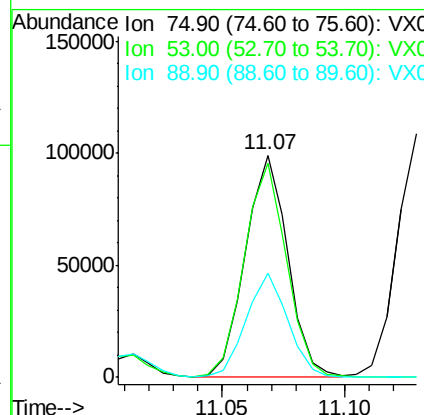
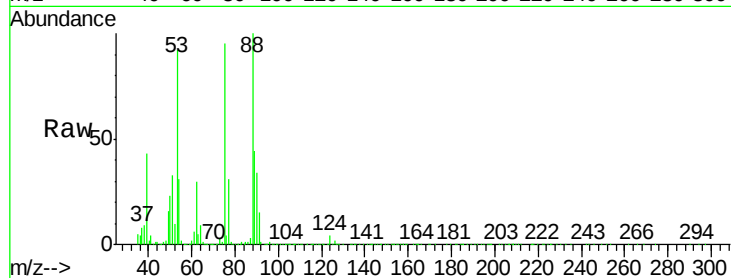
#81
trans-1,4-Dichloro-2-butene
Concen: 50.861 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VX014947.D
Acq: 18 Feb 2020 09:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	96.4	76.2	114.2
89	46.4	35.8	53.6

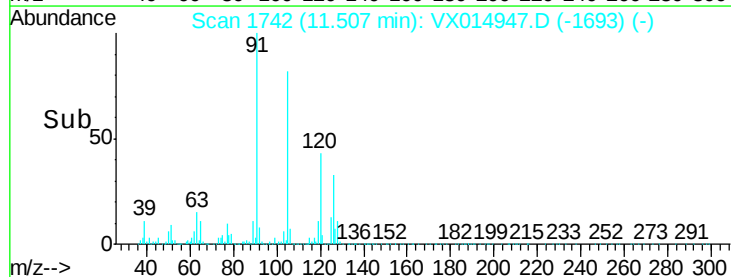
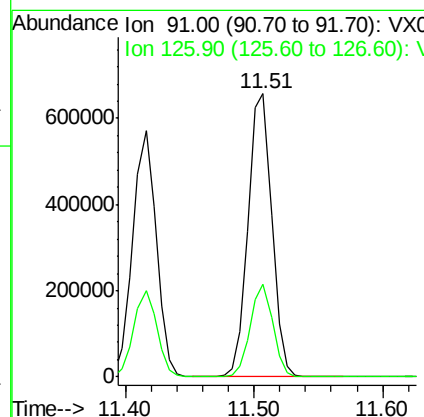
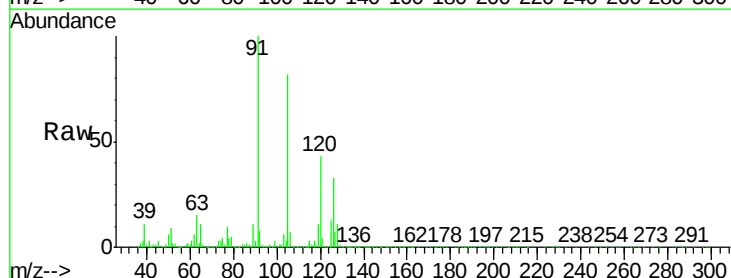
Manual Integrations
APPROVED

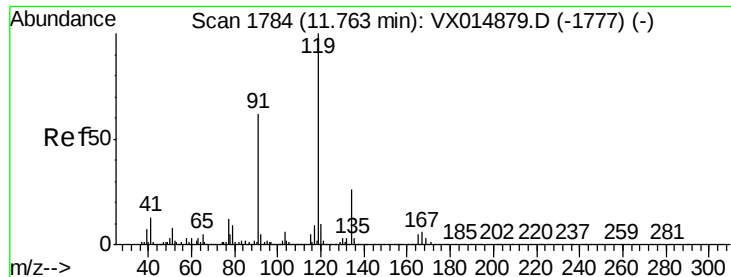
MMDadoda
2/19/2020 12:14:40 PM



#82
4-Chlorotoluene
Concen: 50.061 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX014947.D
Acq: 18 Feb 2020 09:54

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.0	15.7	47.0





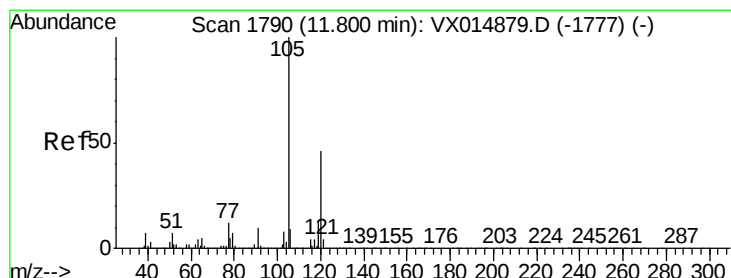
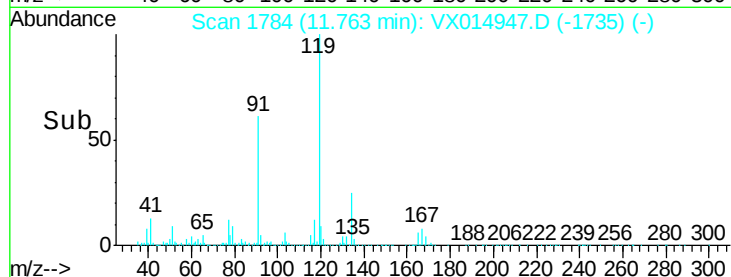
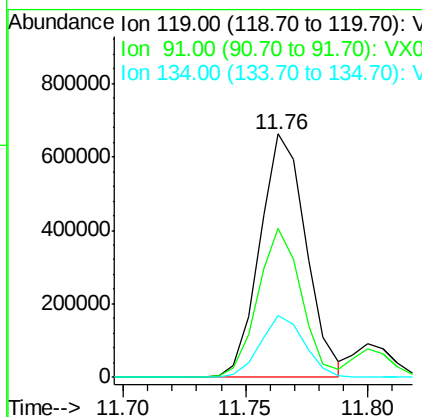
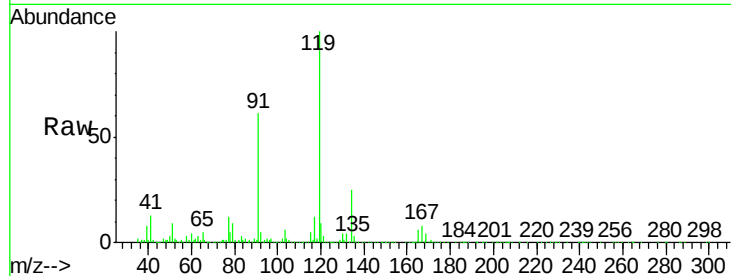
#83
tert-Butylbenzene
Concen: 53.073 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. 0.00 min
Lab File: VX014947.D
Acq: 18 Feb 2020 09:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	867990		
91	57.7	29.5	88.6	
134	24.1	12.6	37.6	

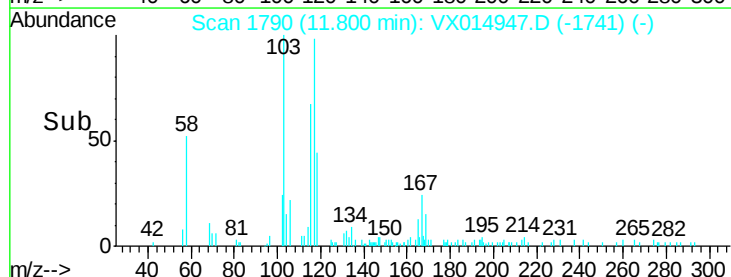
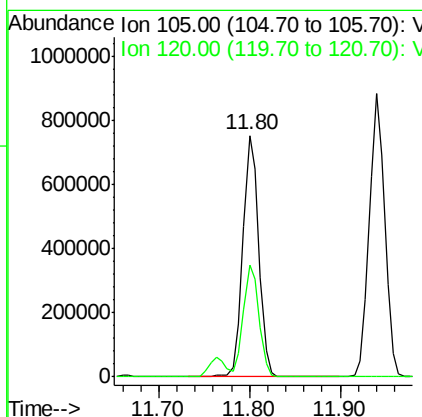
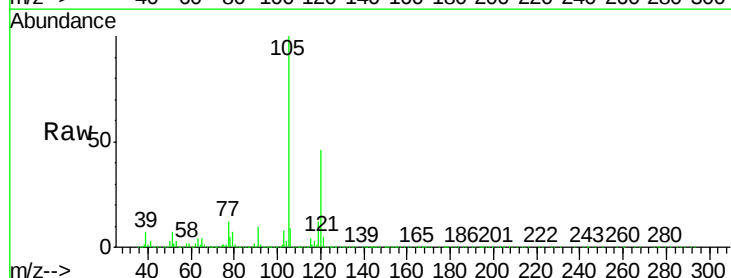
Manual Integrations
APPROVED

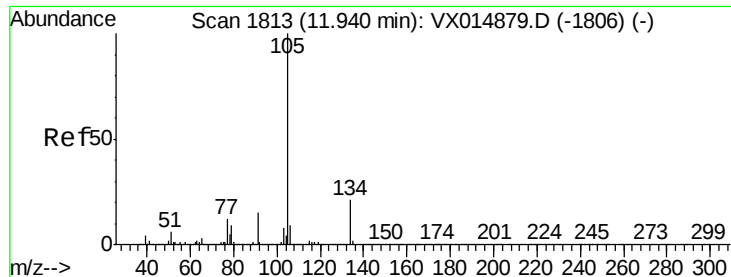
MMDadoda
2/19/2020 12:14:40 PM



#84
1,2,4-Trimethylbenzene
Concen: 52.441 ug/l
RT: 11.80 min Scan# 1790
Delta R.T. 0.00 min
Lab File: VX014947.D
Acq: 18 Feb 2020 09:54

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	912721		
120	45.5	23.0	69.0	





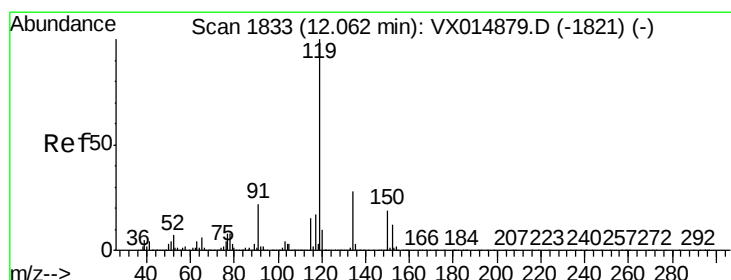
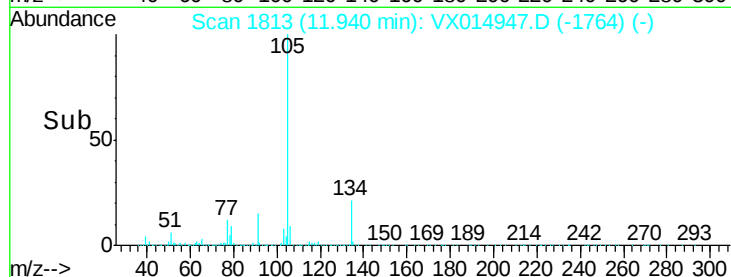
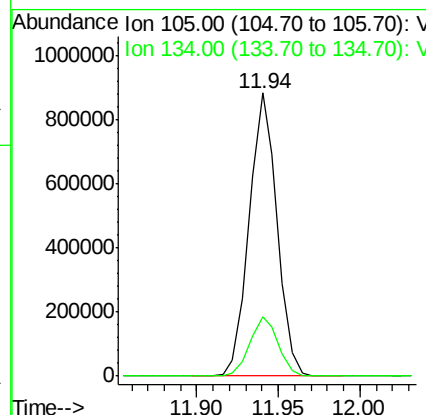
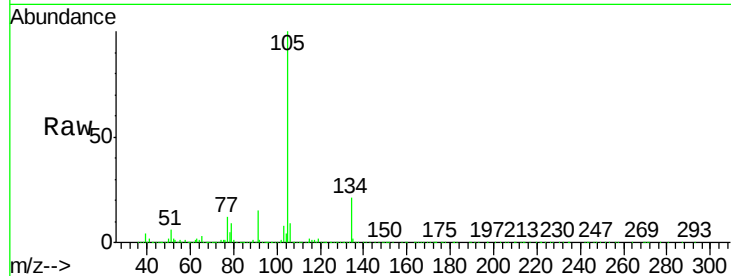
#85
 sec-Butylbenzene
 Concen: 51.618 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: VX014947.D
 Acq: 18 Feb 2020 09:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:105 Resp: 1048717
 Ion Ratio Lower Upper
 105 100
 134 21.1 10.6 31.8

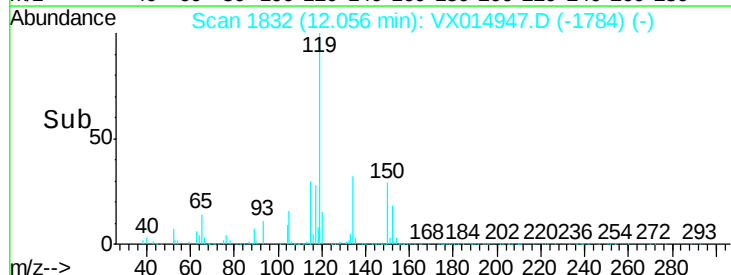
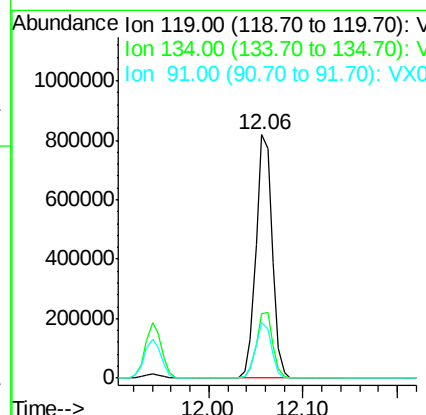
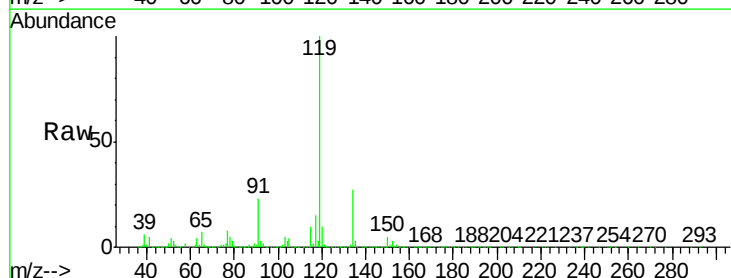
Manual Integrations
 APPROVED

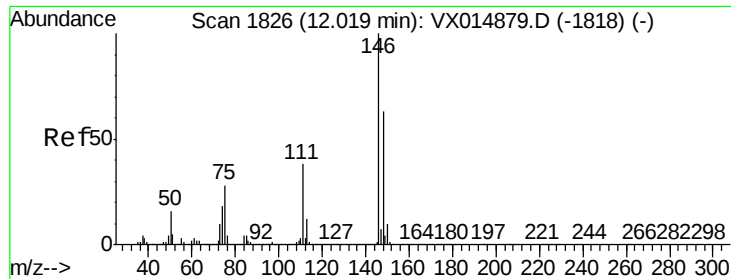
MMDadoda
 2/19/2020 12:14:40 PM



#86
 p-Isopropyltoluene
 Concen: 52.198 ug/l
 RT: 12.06 min Scan# 1832
 Delta R.T. -0.01 min
 Lab File: VX014947.D
 Acq: 18 Feb 2020 09:54

Tgt Ion:119 Resp: 992407
 Ion Ratio Lower Upper
 119 100
 134 27.1 13.5 40.5
 91 22.4 11.4 34.1





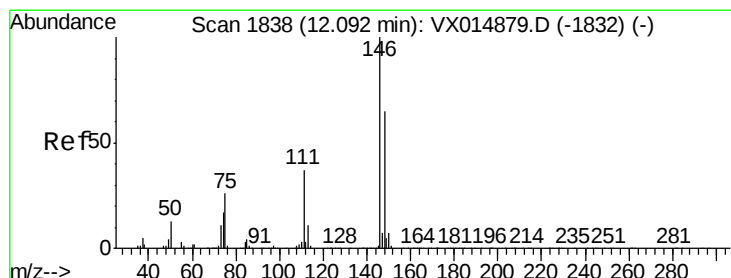
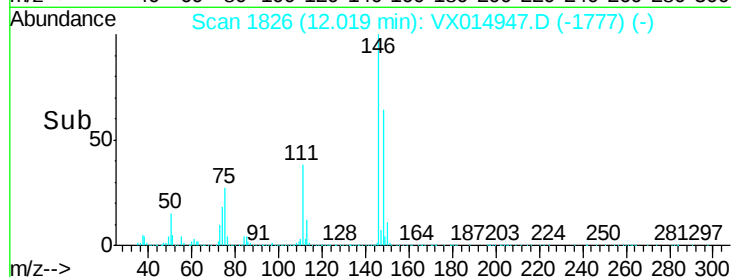
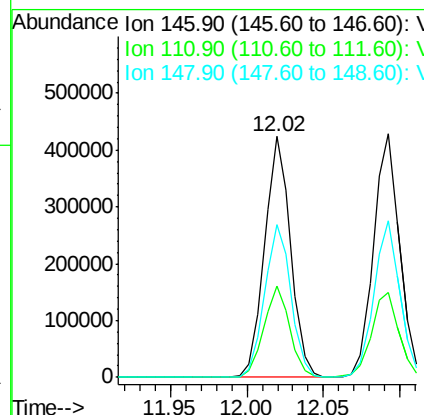
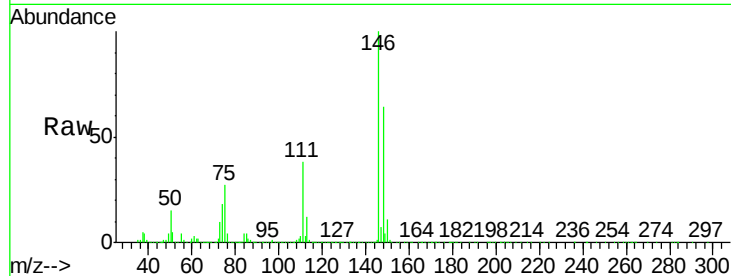
#87
 1,3-Dichlorobenzene
 Concen: 48.568 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX014947.D
 Acq: 18 Feb 2020 09:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.6	56.0
148	64.6	31.8	95.4

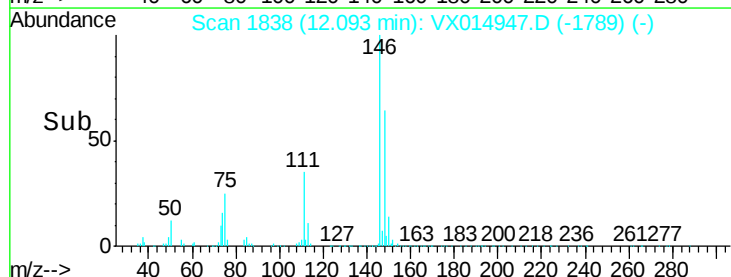
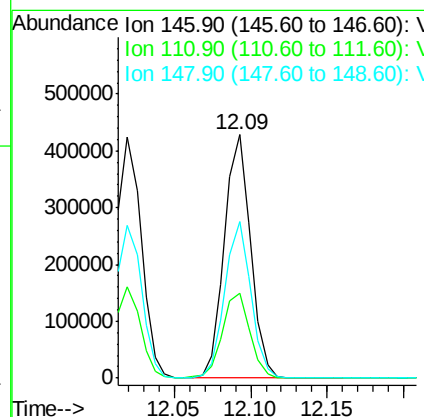
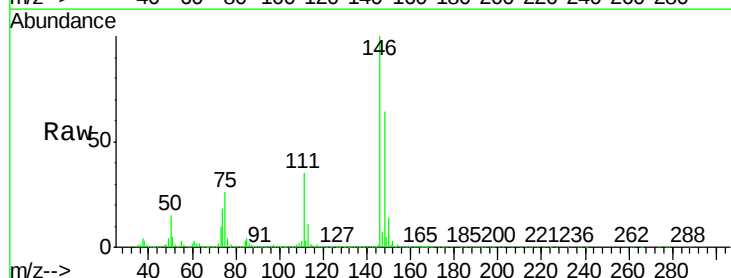
Manual Integrations
 APPROVED

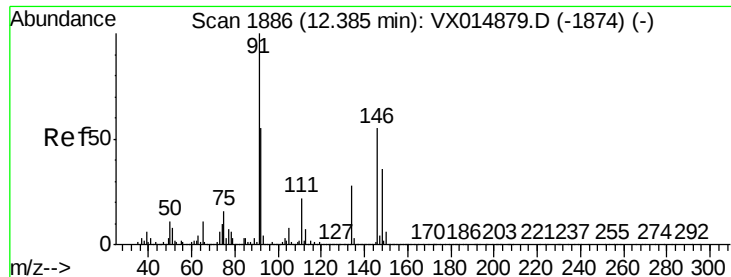
MMDadoda
 2/19/2020 12:14:40 PM



#88
 1,4-Dichlorobenzene
 Concen: 48.146 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX014947.D
 Acq: 18 Feb 2020 09:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.7	18.6	55.6
148	63.9	32.4	97.0





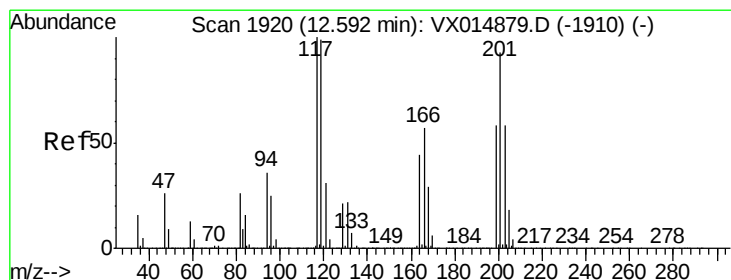
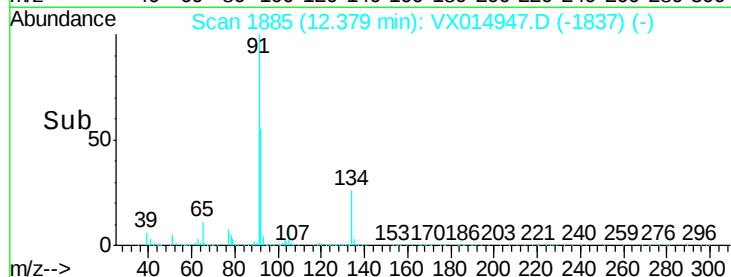
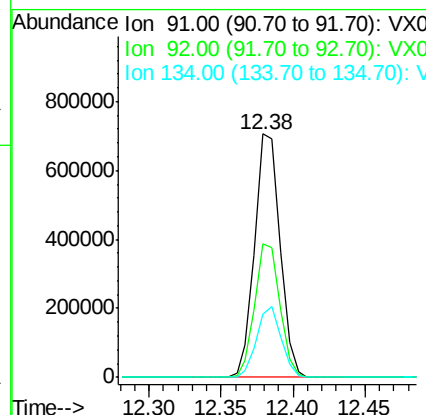
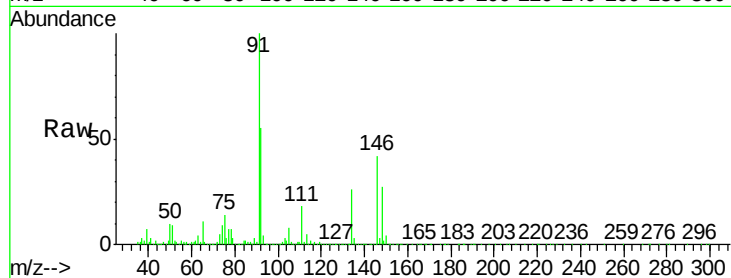
#89
n-Butylbenzene
Concen: 50.457 ug/l
RT: 12.38 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VX014947.D
Acq: 18 Feb 2020 09:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.4	27.3	81.8
134	27.7	13.8	41.4

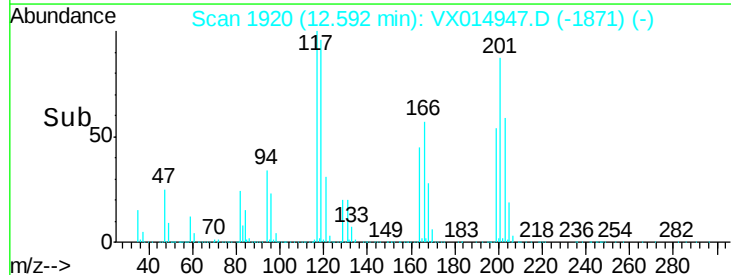
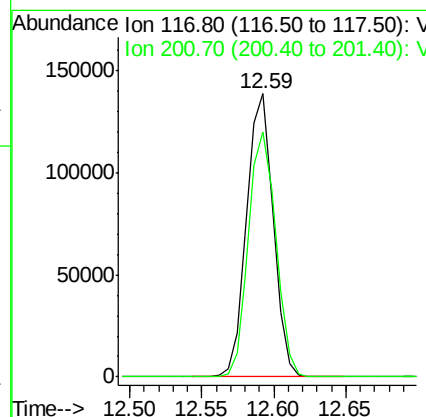
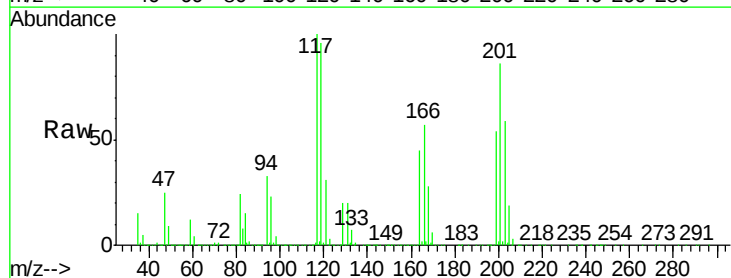
Manual Integrations
APPROVED

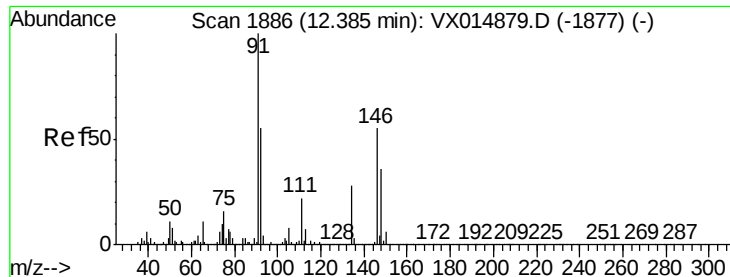
MMDadoda
2/19/2020 12:14:40 PM



#90
Hexachloroethane
Concen: 53.405 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX014947.D
Acq: 18 Feb 2020 09:54

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.2	44.8	134.3





#91

1,2-Dichlorobenzene

Concen: 49.906 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX014947.D

Acq: 18 Feb 2020 09:54

Instrument :

MSVOA_X

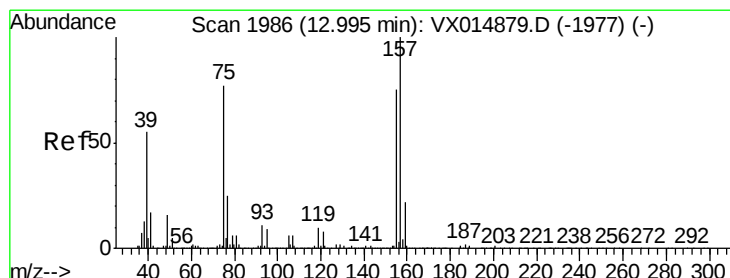
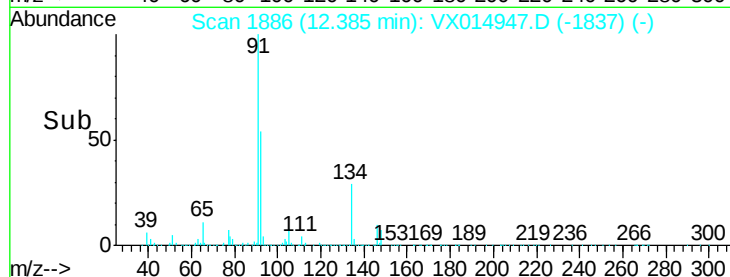
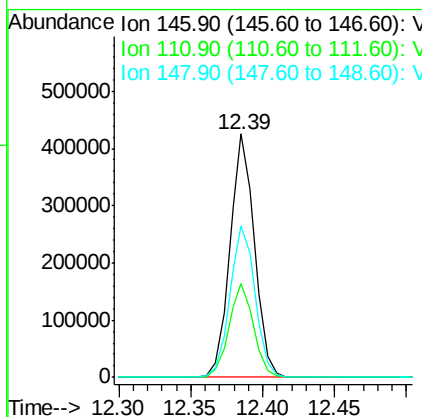
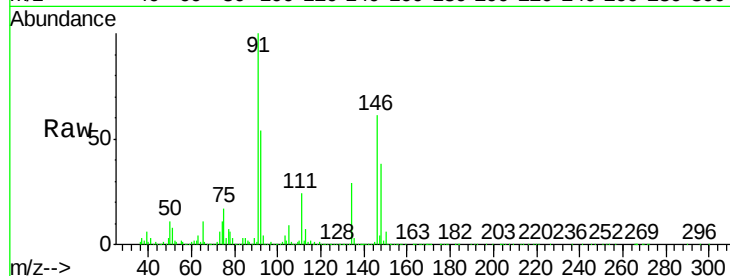
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	506519
Ion Ratio	Lower	Upper	
146	100		
111	38.9	19.8	59.3
148	64.5	32.4	97.2

Manual Integrations
APPROVED

MMDadoda
2/19/2020 12:14:40 PM



#92

1,2-Dibromo-3-Chloropropane

Concen: 47.250 ug/l

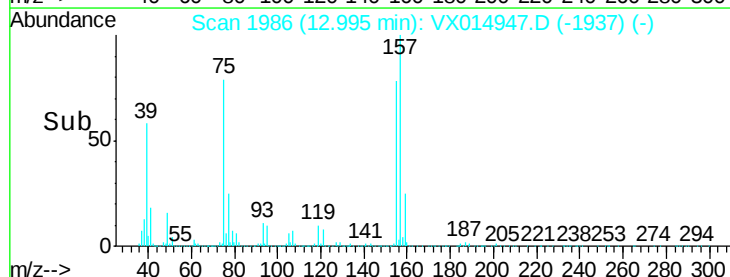
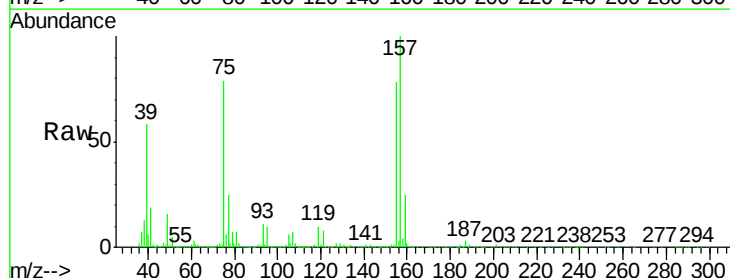
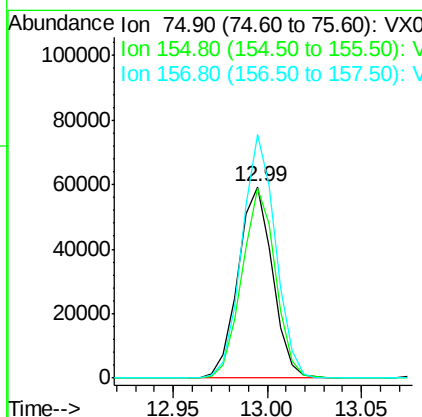
RT: 12.99 min Scan# 1986

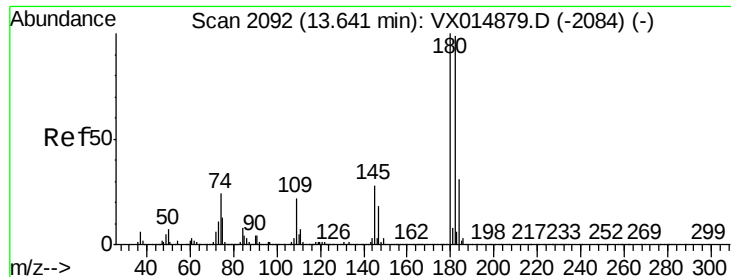
Delta R.T. 0.00 min

Lab File: VX014947.D

Acq: 18 Feb 2020 09:54

Tgt Ion:	75	Resp:	74899
Ion Ratio	Lower	Upper	
75	100		
155	96.7	48.6	145.9
157	124.8	62.0	186.0





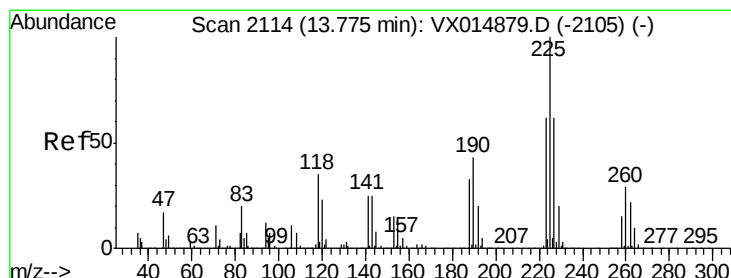
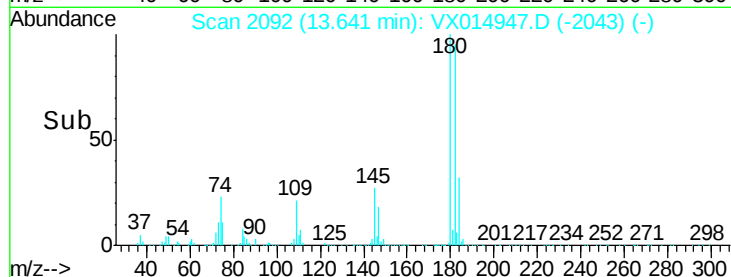
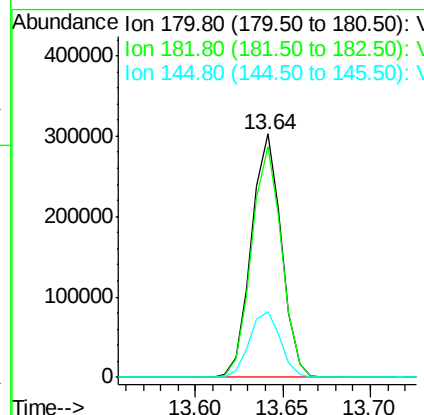
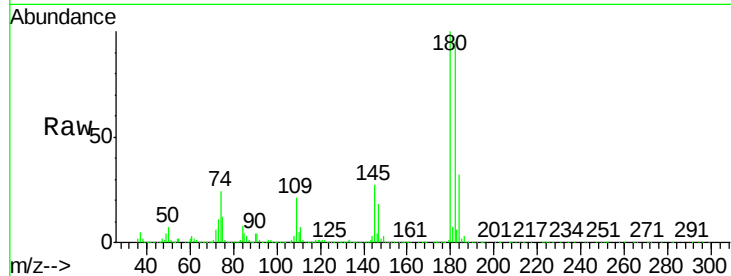
#93
1,2,4-Trichlorobenzene
Concen: 48.131 ug/l
RT: 13.64 min Scan# 2092
Delta R.T. 0.00 min
Lab File: VX014947.D
Acq: 18 Feb 2020 09:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	360570		
182	95.7	48.4	145.3	
145	28.1	14.1	42.4	

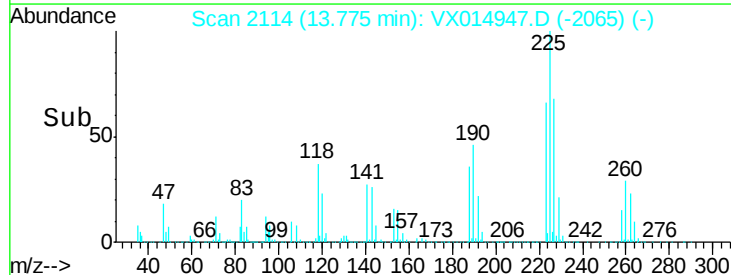
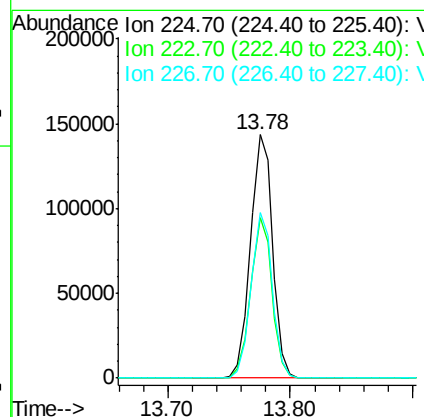
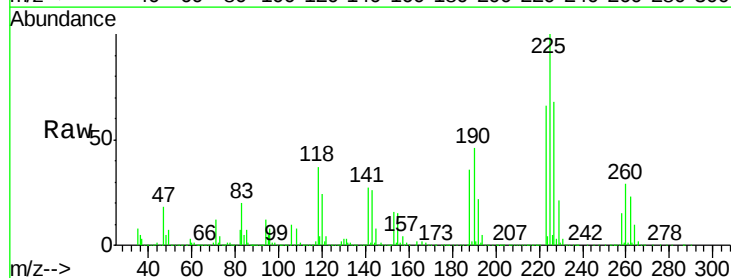
Manual Integrations
APPROVED

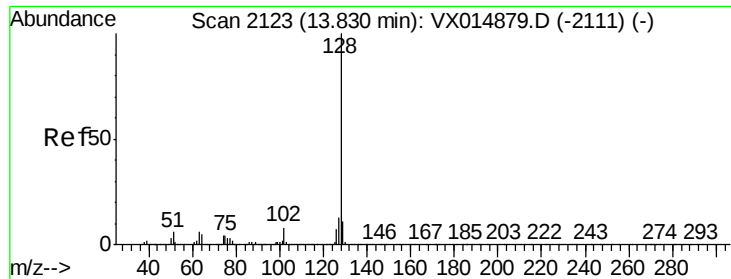
MMDadoda
2/19/2020 12:14:40 PM



#94
Hexachlorobutadiene
Concen: 49.610 ug/l
RT: 13.78 min Scan# 2114
Delta R.T. 0.00 min
Lab File: VX014947.D
Acq: 18 Feb 2020 09:54

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	179760		
223	63.7	31.1	93.2	
227	65.5	30.9	92.5	





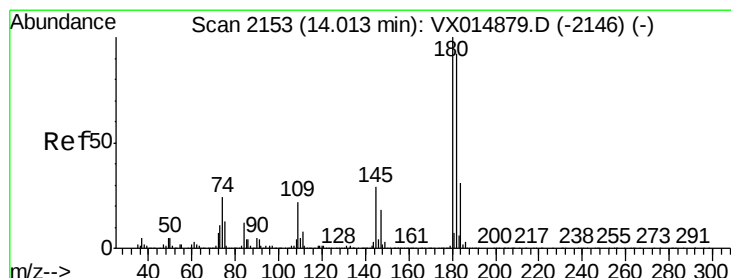
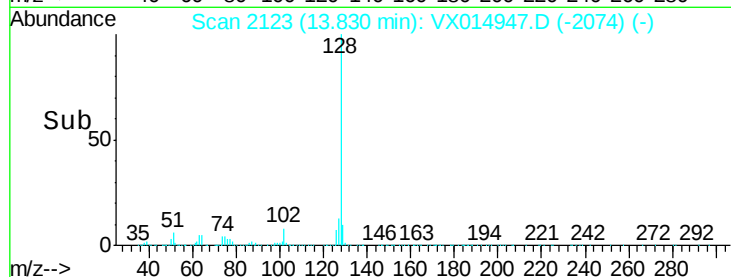
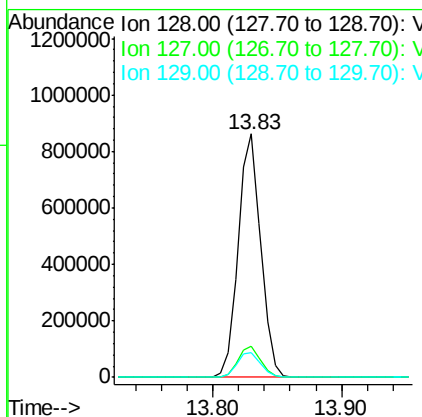
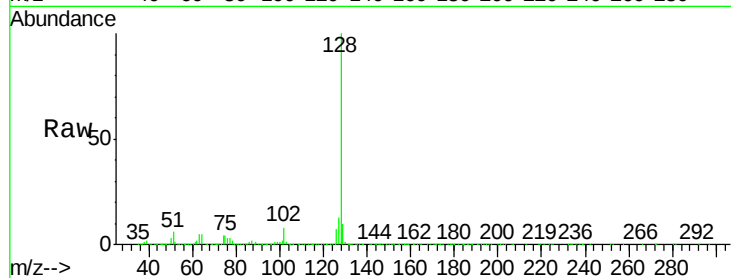
#95
Naphthalene
Concen: 52.513 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX014947.D
Acq: 18 Feb 2020 09:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.4	15.6
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
2/19/2020 12:14:40 PM



#96
1,2,3-Trichlorobenzene
Concen: 50.040 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. 0.00 min
Lab File: VX014947.D
Acq: 18 Feb 2020 09:54

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.5	142.6
145	30.0	14.5	43.5

