

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VO020320\
 Data File : VX014797.D
 Acq On : 03 Feb 2020 16:55
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/4/2020 3:32:27 PM

Quant Time: Feb 03 18:18:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X011520W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jan 15 12:41:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.00	128	103381	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.84	114	630829	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	581513	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.04	65	240851	33.15	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	110.50%
60) 4-Bromofluorobenzene	11.13	95	278717	29.95	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.83%
63) Toluene-d8	8.71	98	766051	29.16	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	97.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.19	85	271927	38.060	ug/l 100
3) Chloromethane	1.32	50	265894	33.992	ug/l 95
4) Vinyl Chloride	1.40	62	311448	35.460	ug/l 99
5) Bromomethane	1.63	94	194721	35.528	ug/l 99
6) Chloroethane	1.71	64	168250	33.981	ug/l 99
7) Trichlorofluoromethane	1.92	101	361977	37.222	ug/l 100
8) Diethyl Ether	2.18	74	152739	35.957	ug/l 93
9) 1,1,2-Trichlorotrifluoroet	2.37	101	218590	38.419	ug/l 99
10) 1,1-Dichloroethene	2.36	96	207022	36.174	ug/l 95
11) Methyl Iodide	2.50	142	287696	37.484	ug/l 99
12) Methyl Acetate	2.76	43	385775	37.315	ug/l 99
13) Acrolein	2.28	56	220663	203.204	ug/l 98
14) Acrylonitrile	3.12	53	632912	178.915	ug/l 100
15) Acetone	2.43	58	163511	137.876	ug/l 85
16) Carbon Disulfide	2.56	76	515758	32.814	ug/l 98
17) Allyl chloride	2.72	41	375758	35.477	ug/l 95
18) Methylene Chloride	2.84	84	240403	35.892	ug/l 94
19) trans-1,2-Dichloroethene	3.16	96	222023	36.038	ug/l 99
20) Diisopropyl ether	3.84	45	778722	37.161	ug/l 98
21) 1,1-Dichloroethane	3.69	63	418720	36.781	ug/l 99
22) cis-1,2-Dichloroethene	4.58	96	257930	36.433	ug/l 97
23) tert-Butyl Alcohol	3.03	59	238809	163.235	ug/l # 100
24) Methyl tert-Butyl Ether	3.18	73	719426	37.773	ug/l 98
25) Chloroform	5.19	83	409160	37.103	ug/l 100
26) Cyclohexane	5.56	56	380866	36.271	ug/l # 97
29) 1,1-Dichloropropene	5.78	75	310214	33.531	ug/l 100
30) 2-Butanone	4.65	43	880470	150.237	ug/l 99
31) 2,2-Dichloropropane	4.56	77	349633	35.320	ug/l 97
32) 1,1,1-Trichloroethane	5.48	97	348495	34.048	ug/l 100
33) Carbon Tetrachloride	5.77	117	305342	34.749	ug/l 96
34) Benzene	6.12	78	926183	32.397	ug/l 98
35) Methacrylonitrile	5.02	41	191614	32.737	ug/l 97
36) 1,2-Dichloroethane	6.17	62	333895	33.561	ug/l 98
37) Trichloroethene	7.20	130	258589	33.035	ug/l 95
38) Methylcyclohexane	7.45	83	395511	34.335	ug/l 99
39) 1,2-Dichloropropane	7.50	63	247310	33.267	ug/l 93
40) Dibromomethane	7.65	93	158160	33.104	ug/l 99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VO020320\
 Data File : VX014797.D
 Acq On : 03 Feb 2020 16:55
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/4/2020 3:32:27 PM

Quant Time: Feb 03 18:18:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X011520W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jan 15 12:41:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.89	83	324055	34.636	ug/l	99
42) Vinyl Acetate	3.80	43	3065470	169.706	ug/l	99
43) Ethyl Acetate	4.81	43	336959	31.761	ug/l	100
44) Isopropyl Acetate	6.43	43	566306	33.089	ug/l	100
45) 1,4-Dioxane	7.73	88	99697	582.352	ug/l	98
46) Methyl methacrylate	7.76	41	280763	33.359	ug/l	98
47) n-amyl Acetate	10.89	43	500069	34.872	ug/l	100
48) t-1,3-Dichloropropene	9.03	75	361430	35.384	ug/l	98
49) cis-1,3-Dichloropropene	8.42	75	395736	34.384	ug/l	100
50) 1,1,2-Trichloroethane	9.21	97	243380	33.478	ug/l	98
51) Ethyl methacrylate	9.17	69	382717	33.811	ug/l	98
52) 1,3-Dichloropropane	9.36	76	410168	33.300	ug/l	99
53) Dibromochloromethane	9.57	129	262989	35.367	ug/l	99
54) 1,2-Dibromoethane	9.67	107	250976	33.287	ug/l	98
55) 2-Chloroethyl vinyl ether	8.30	63	657869	126.460	ug/l	100
56) Bromoform	10.85	173	204793	35.755	ug/l	99
58) 4-Methyl-2-Pentanone	8.63	43	1775850	162.165	ug/l	99
59) 2-Hexanone	9.48	43	1356959	160.222	ug/l	99
61) Tetrachloroethene	9.33	164	274116	31.892	ug/l	95
62) Toluene	8.78	91	1017911	32.993	ug/l	100
64) Chlorobenzene	10.13	112	646492	33.567	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.21	131	242348	34.070	ug/l	100
66) Ethyl Benzene	10.25	91	1149590	34.209	ug/l	99
67) m/p-Xylenes	10.35	106	872949	67.818	ug/l	99
68) o-Xylene	10.69	106	421960	33.664	ug/l	100
69) Styrene	10.70	104	725245	34.150	ug/l	99
70) Isopropylbenzene	11.01	105	1137433	34.639	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.26	83	363705	32.881	ug/l	97
72) 1,2,3-Trichloropropane	11.29	75	316894m	33.493	ug/l	
73) Bromobenzene	11.25	156	292458	33.598	ug/l	98
74) n-propylbenzene	11.35	91	1318629	35.142	ug/l	99
75) 2-Chlorotoluene	11.42	91	762126	33.890	ug/l	99
76) 1,3,5-Trimethylbenzene	11.50	105	959462	35.066	ug/l	99
77) t-1,4-Dichloro-2-butene	11.07	75	128392	35.259	ug/l	90
78) 4-Chlorotoluene	11.50	91	879064	34.420	ug/l	98
79) tert-butylbenzene	11.76	119	915211	35.747	ug/l	98
80) 1,2,4-Trimethylbenzene	11.80	105	953312	34.932	ug/l	100
81) sec-Butylbenzene	11.94	105	1122317	35.426	ug/l	99
82) p-Isopropyltoluene	12.06	119	1036252	35.829	ug/l	100
83) 1,3-Dichlorobenzene	12.02	146	520920	34.273	ug/l	100
84) 1,4-Dichlorobenzene	12.09	146	523530	34.743	ug/l	99
85) n-Butylbenzene	12.39	91	909239	35.931	ug/l	100
86) Hexachloroethane	12.59	117	186327	35.926	ug/l	98
87) 1,2-Dichlorobenzene	12.39	146	520282	33.926	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	12.99	75	79822	33.783	ug/l	98
89) 1,2,4-Trichlorobenzene	13.64	180	359979	35.562	ug/l	99
90) Hexachlorobutadiene	13.78	225	185660	36.706	ug/l	97
91) Naphthalene	13.83	128	1074069	35.151	ug/l	100
92) 1,2,3-Trichlorobenzene	14.01	180	368116	35.727	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX020320\
Data File : VX014797.D
Acq On : 03 Feb 2020 16:55
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

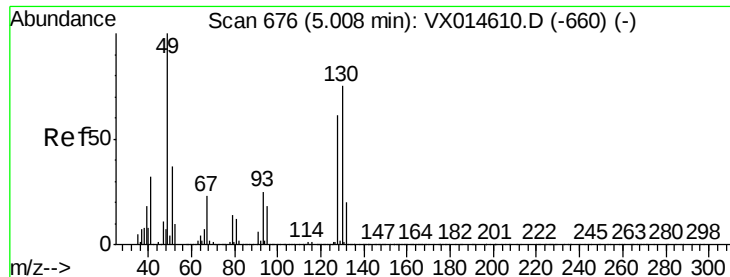
Manual Integrations
APPROVED

MMDadoda
2/4/2020 3:32:27 PM

Quant Time: Feb 03 18:18:58 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X011520W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jan 15 12:41:12 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
--------------------	------	------	----------	------	-------	----------

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



#1

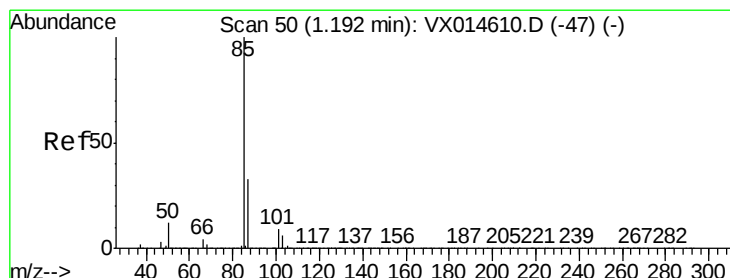
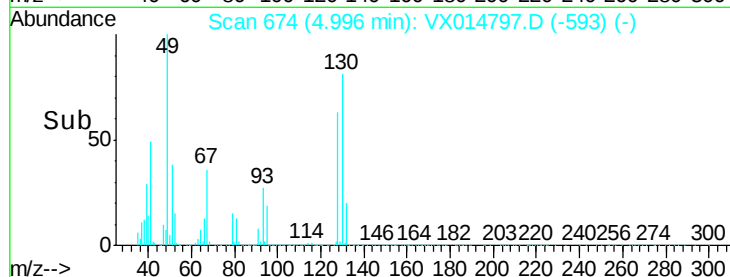
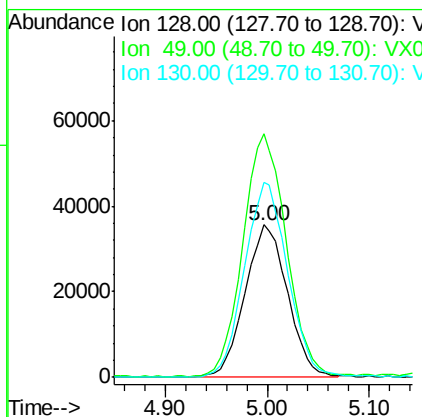
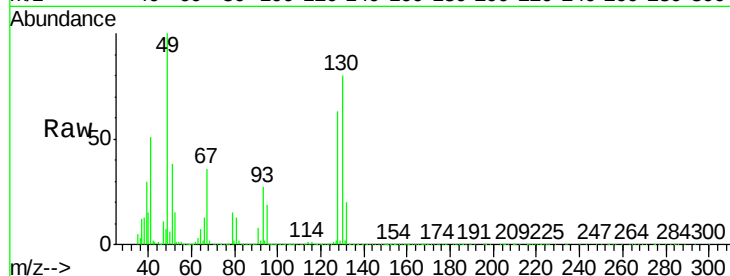
Bromochloromethane
 Concen: 30.000 ug/l
 RT: 5.00 min Scan# 674
 Delta R.T. -0.01 min
 Lab File: VX014797.D
 Acq: 03 Feb 2020 16:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
128	100	103381		
49	162.2	0.0	405.0	
130	129.0	0.0	321.5	

Manual Integrations
 APPROVED

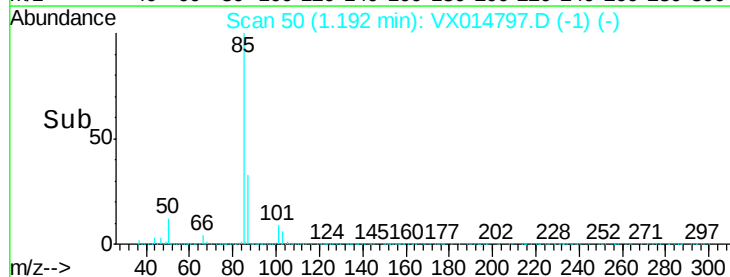
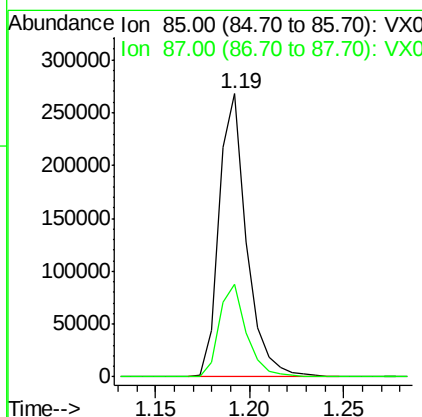
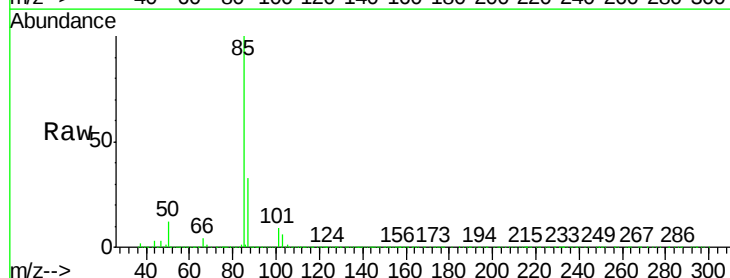
MMDadoda
 2/4/2020 3:32:27 PM

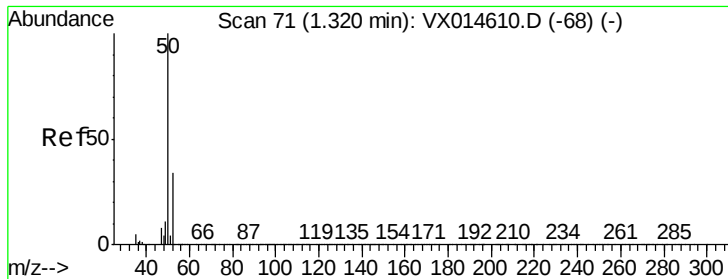


#2

Dichlorodifluoromethane
 Concen: 38.060 ug/l
 RT: 1.19 min Scan# 50
 Delta R.T. 0.00 min
 Lab File: VX014797.D
 Acq: 03 Feb 2020 16:55

Tgt Ion	Ratio	Resp	Lower	Upper
85	100	271927		
87	32.7	16.3	48.9	





#3

Chloromethane

Concen: 33.992 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX014797.D

Acq: 03 Feb 2020 16:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 265894

Ion Ratio Lower Upper

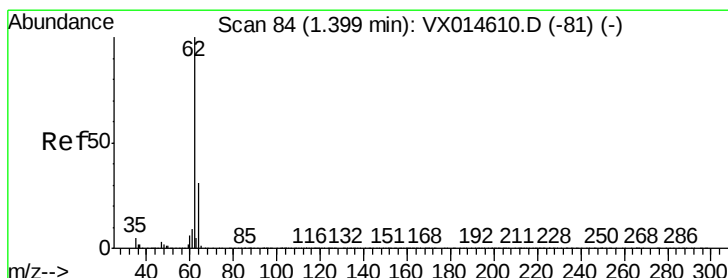
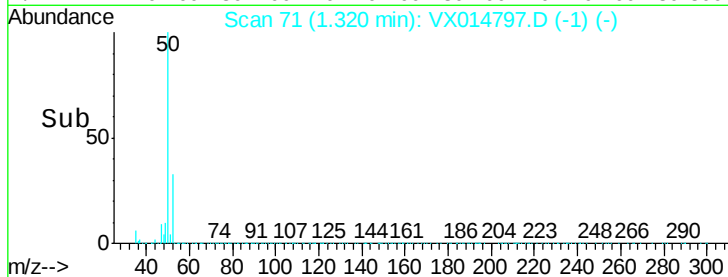
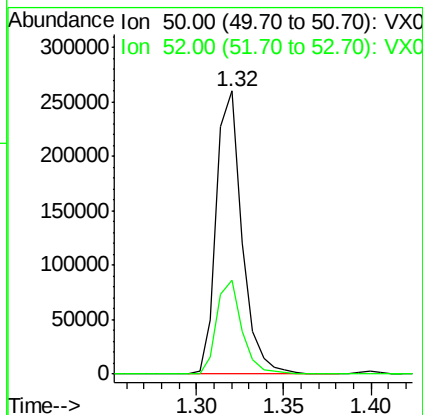
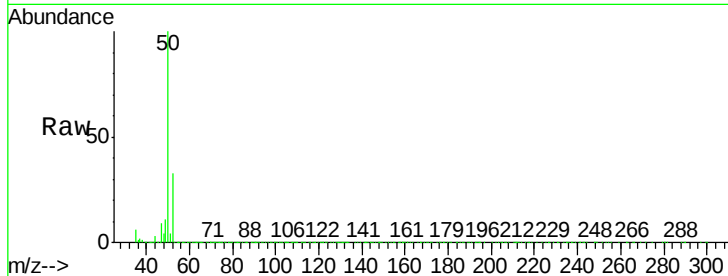
50 100

52 33.2 24.3 36.5

Manual Integrations
APPROVED

MMDadoda

2/4/2020 3:32:27 PM



#4

Vinyl Chloride

Concen: 35.460 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX014797.D

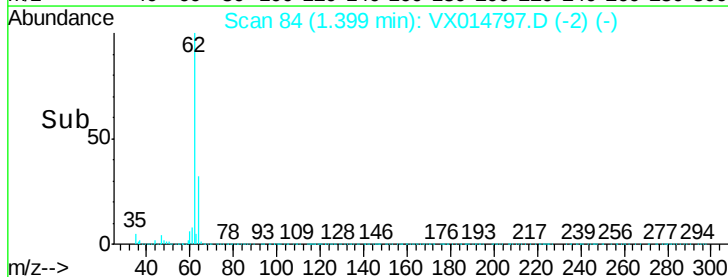
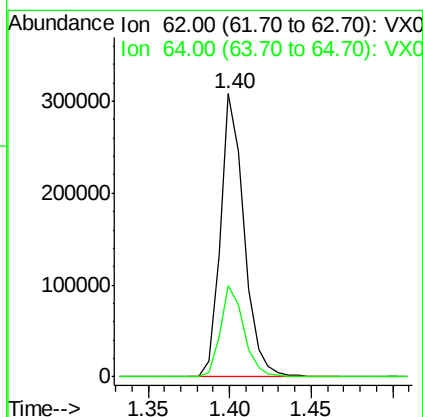
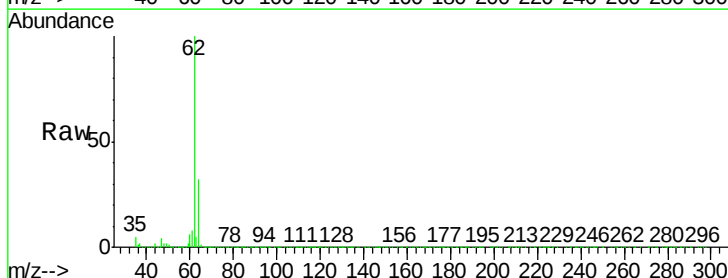
Acq: 03 Feb 2020 16:55

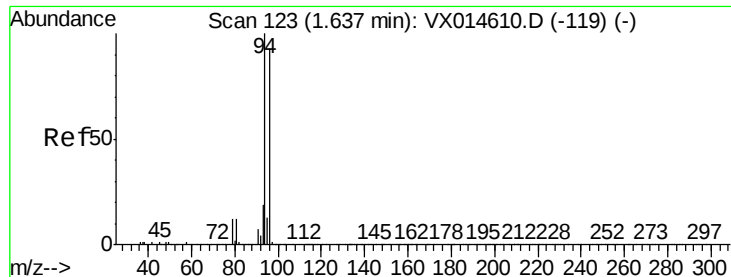
Tgt Ion: 62 Resp: 311448

Ion Ratio Lower Upper

62 100

64 32.2 25.2 37.8





#5

Bromomethane

Concen: 35.528 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.00 min

Lab File: VX014797.D

Acq: 03 Feb 2020 16:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 194721

Ion Ratio Lower Upper

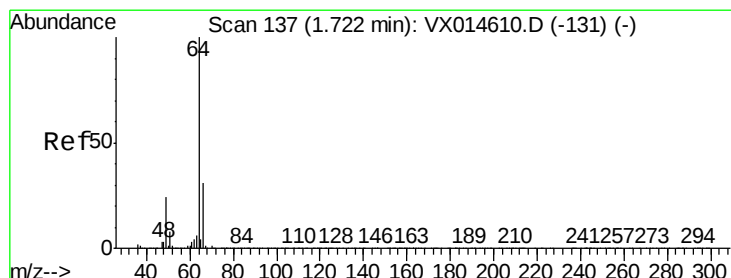
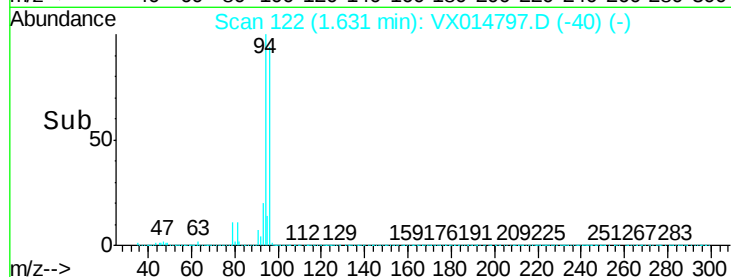
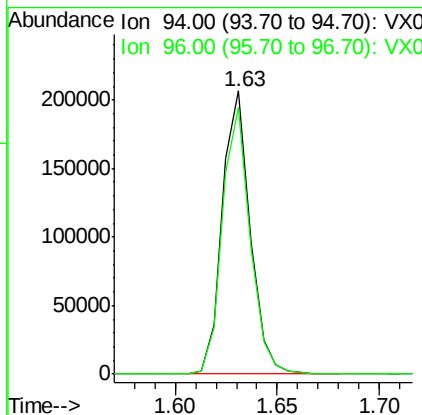
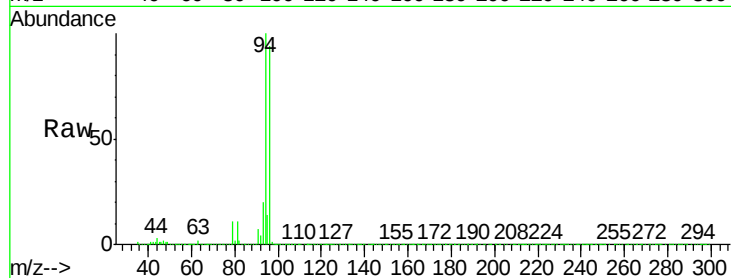
94 100

96 94.4 74.4 111.6

Manual Integrations
APPROVED

MMDadoda

2/4/2020 3:32:27 PM



#6

Chloroethane

Concen: 33.981 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.01 min

Lab File: VX014797.D

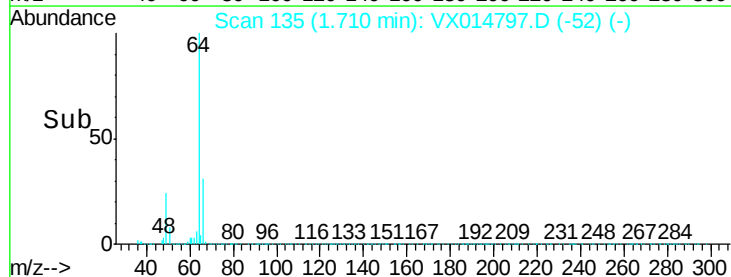
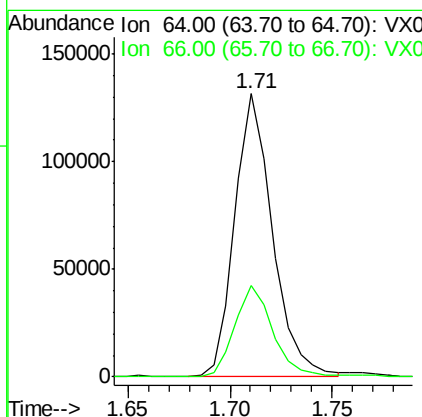
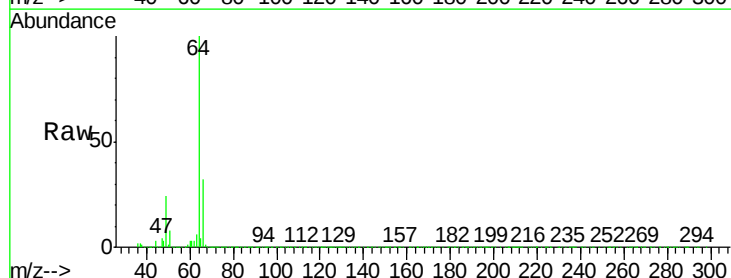
Acq: 03 Feb 2020 16:55

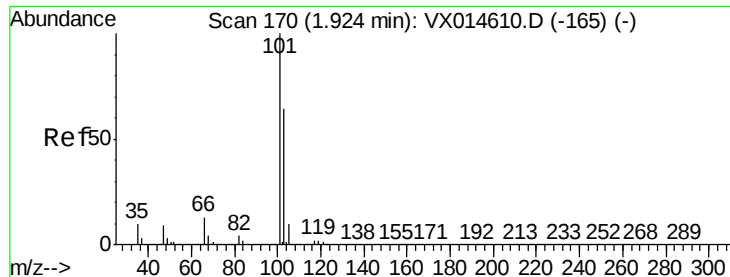
Tgt Ion: 64 Resp: 168250

Ion Ratio Lower Upper

64 100

66 32.2 25.2 37.8





#7

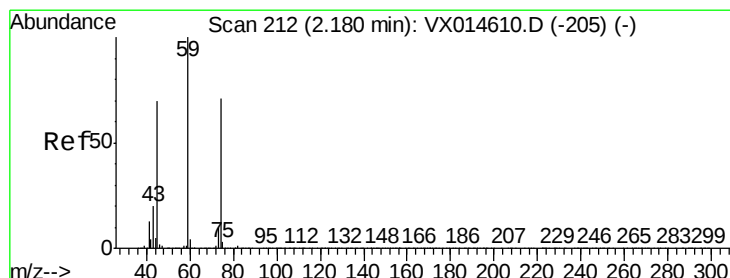
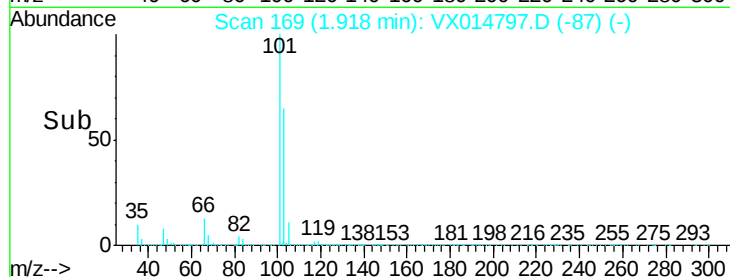
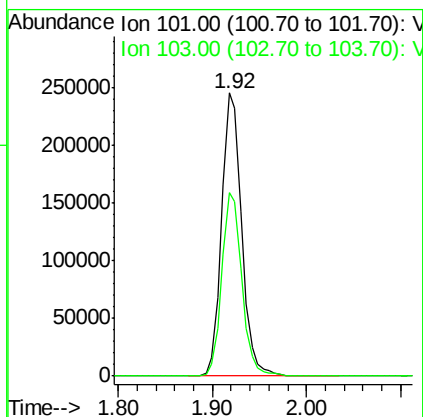
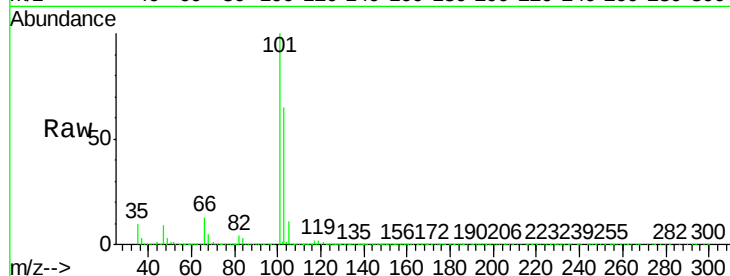
Trichlorofluoromethane
Concen: 37.222 ug/l
RT: 1.92 min Scan# 169
Delta R.T. 0.00 min
Lab File: VX014797.D
Acq: 03 Feb 2020 16:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.8	51.6	77.4

Manual Integrations
APPROVED

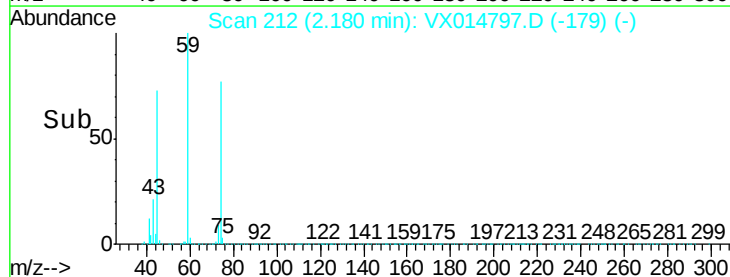
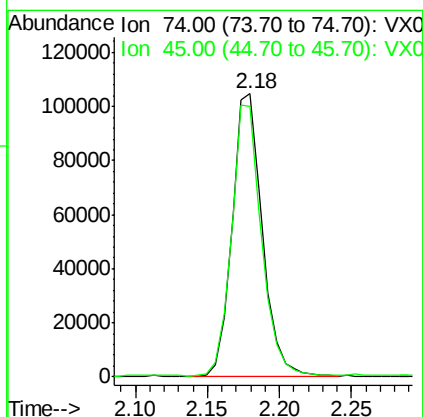
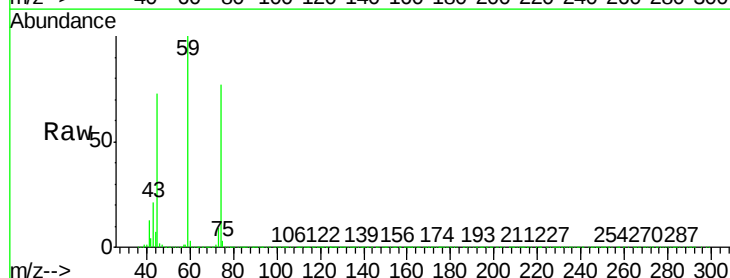
MMDadoda
2/4/2020 3:32:27 PM

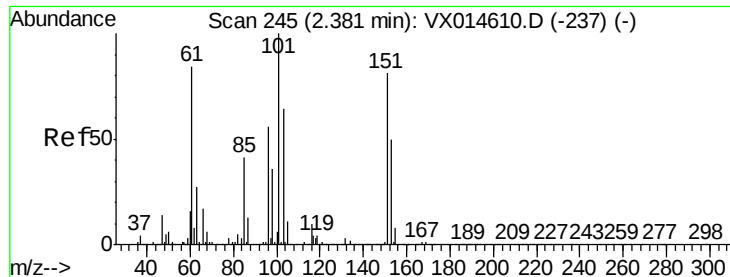


#8

Diethyl Ether
Concen: 35.957 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX014797.D
Acq: 03 Feb 2020 16:55

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.0	20.6	185.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 38.419 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.01 min

Lab File: VX014797.D

Acq: 03 Feb 2020 16:55

Instrument :

MSVOA_X

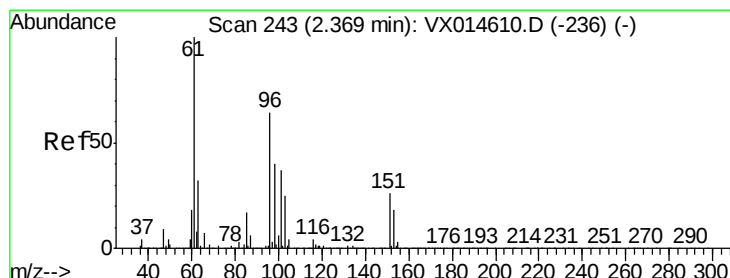
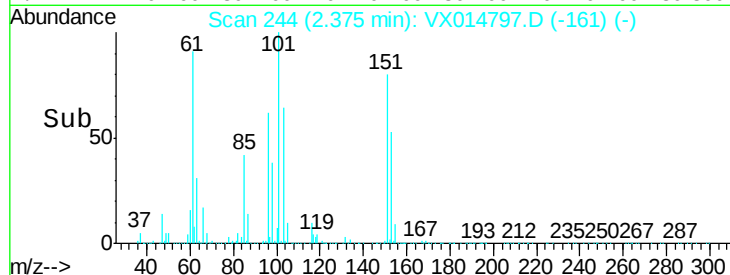
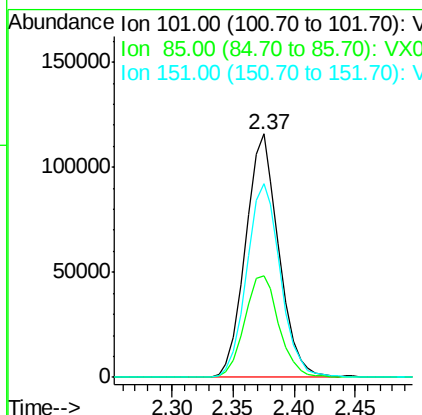
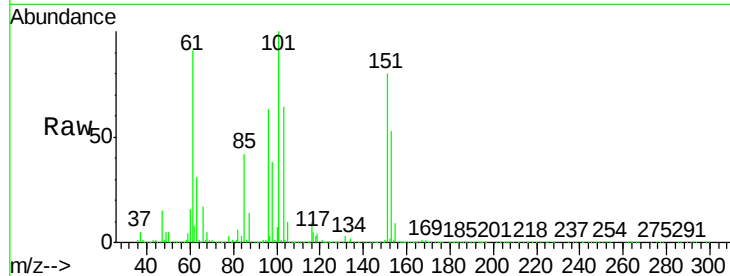
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	218590
Ion Ratio	Lower	Upper	
101	100		
85	43.5	0.0	85.6
151	81.2	0.0	159.4

Manual Integrations
APPROVED

MMDadoda
2/4/2020 3:32:27 PM



#10

1,1-Dichloroethene

Concen: 36.174 ug/l

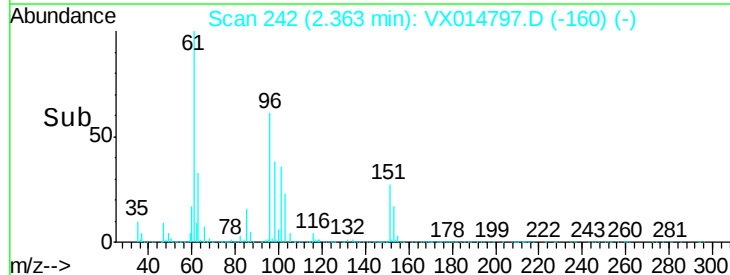
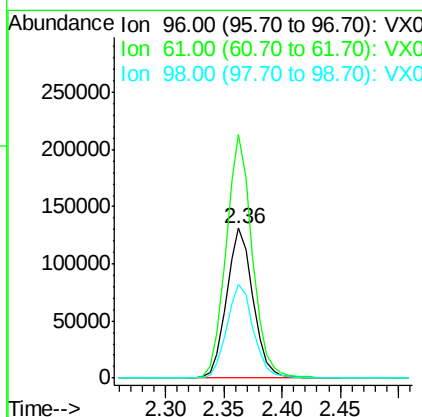
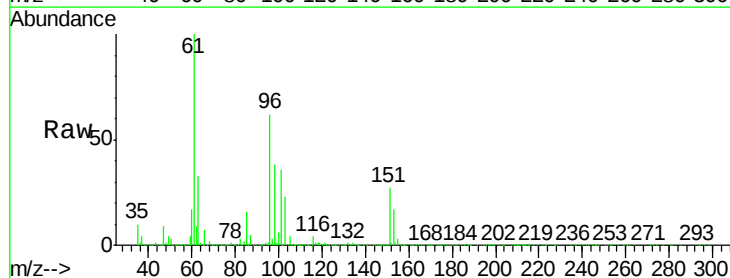
RT: 2.36 min Scan# 242

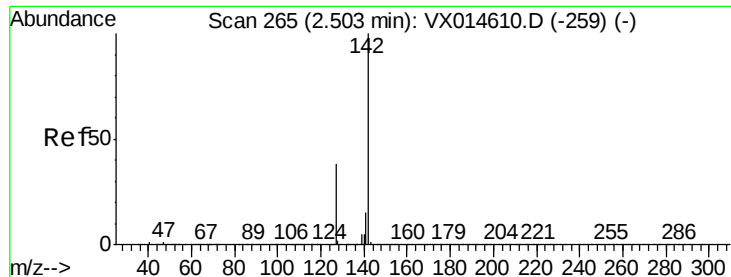
Delta R.T. 0.00 min

Lab File: VX014797.D

Acq: 03 Feb 2020 16:55

Tgt Ion:	96	Resp:	207022
Ion Ratio	Lower	Upper	
96	100		
61	162.5	123.0	184.6
98	62.3	51.4	77.0





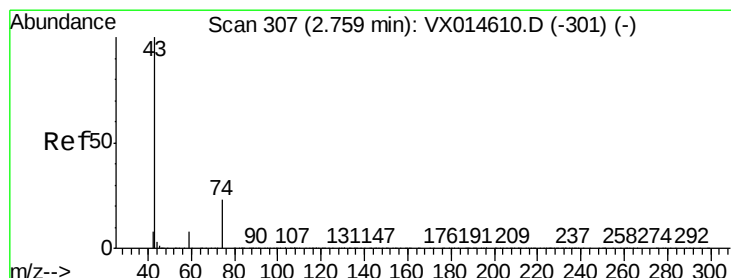
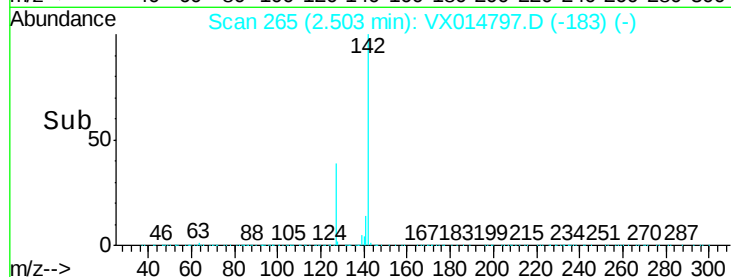
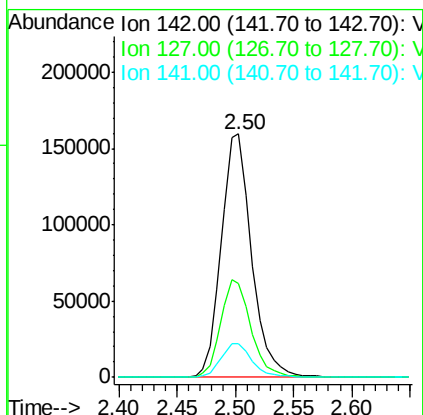
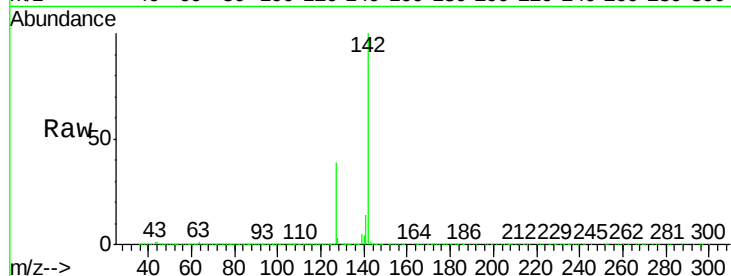
#11
Methvl Iodide
Concen: 37.484 ug/l
RT: 2.50 min Scan# 265
Delta R.T. 0.00 min
Lab File: VX014797.D
Acq: 03 Feb 2020 16:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
142	100		
127	38.5	19.5	58.5
141	13.7	7.0	20.9

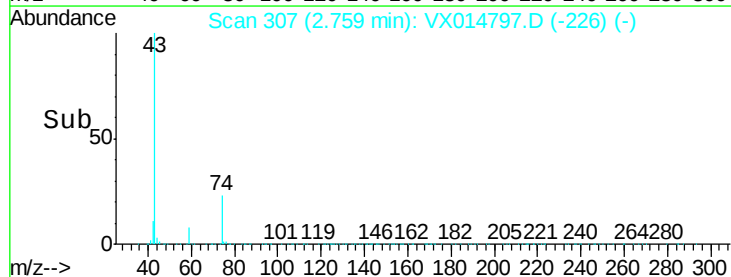
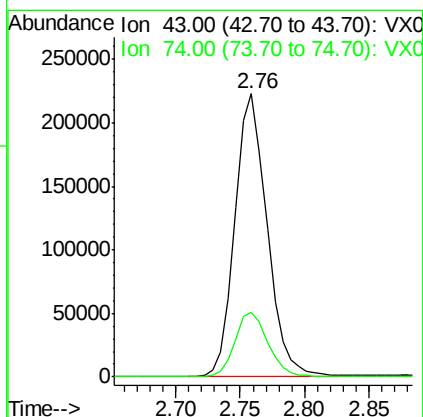
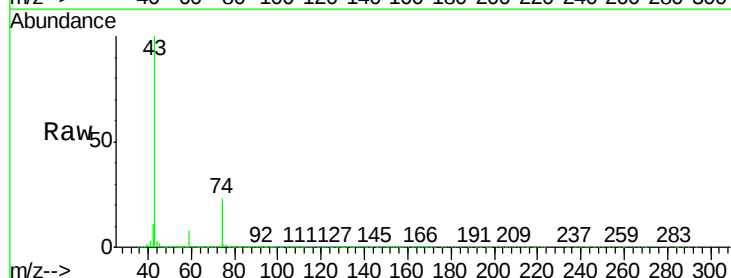
Manual Integrations
APPROVED

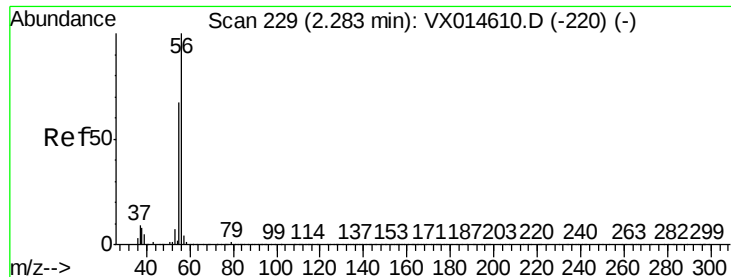
MMDadoda
2/4/2020 3:32:27 PM



#12
Methyl Acetate
Concen: 37.315 ug/l
RT: 2.76 min Scan# 307
Delta R.T. -0.01 min
Lab File: VX014797.D
Acq: 03 Feb 2020 16:55

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.6	18.5	27.7





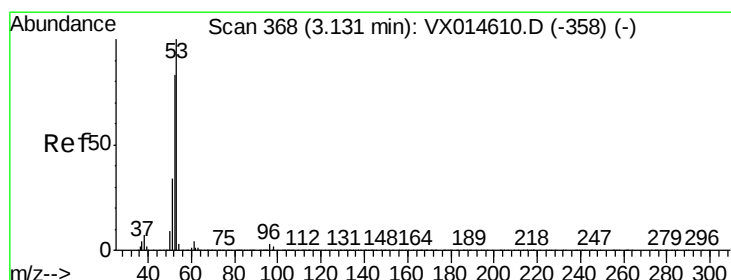
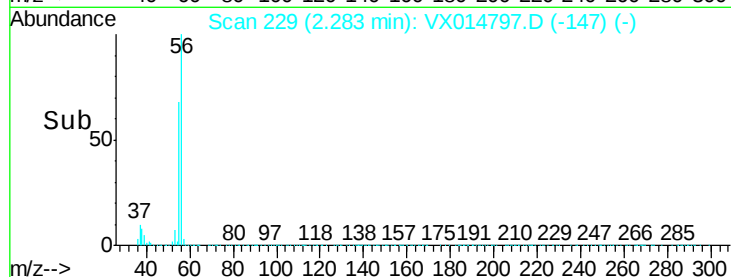
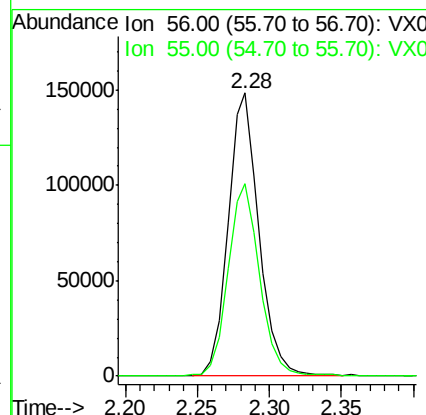
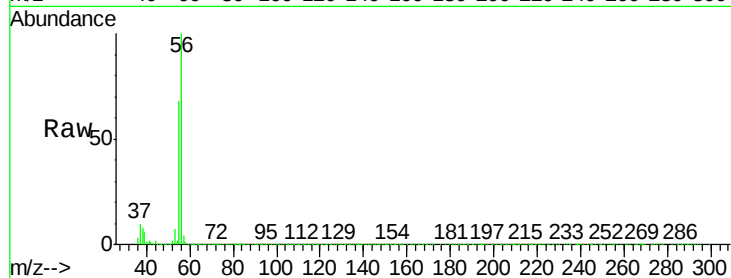
#13
Acrolein
Concen: 203.204 ug/l
RT: 2.28 min Scan# 229
Delta R.T. 0.00 min
Lab File: VX014797.D
Acq: 03 Feb 2020 16:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
55	70.0	54.9	82.3

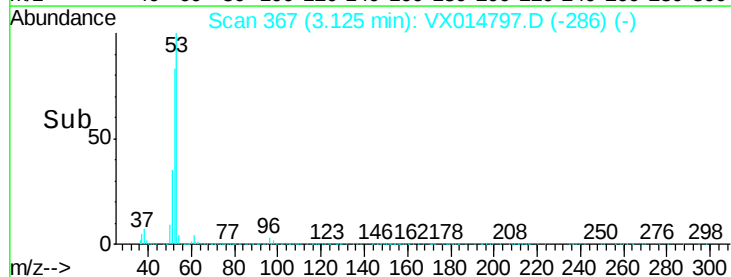
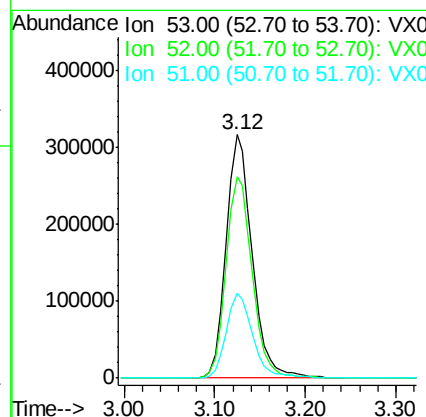
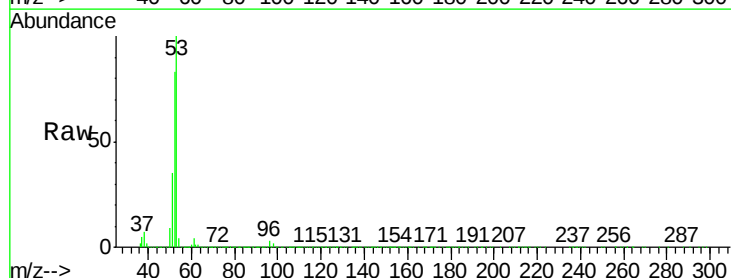
Manual Integrations
APPROVED

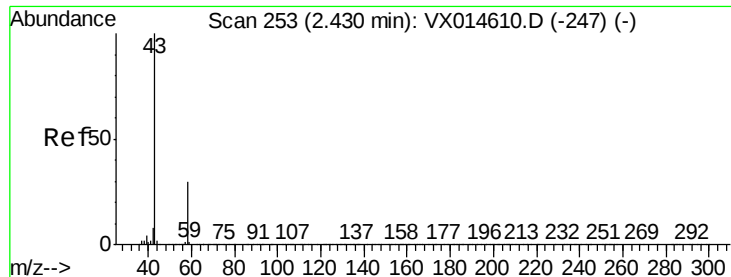
MMDadoda
2/4/2020 3:32:27 PM



#14
Acrylonitrile
Concen: 178.915 ug/l
RT: 3.12 min Scan# 367
Delta R.T. -0.01 min
Lab File: VX014797.D
Acq: 03 Feb 2020 16:55

Tgt Ion	Ratio	Lower	Upper
53	100		
52	83.4	41.5	124.6
51	35.8	17.8	53.5





#15

Acetone

Concen: 137.876 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX014797.D

Acq: 03 Feb 2020 16:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 58 Resp: 163511

Ion Ratio Lower Upper

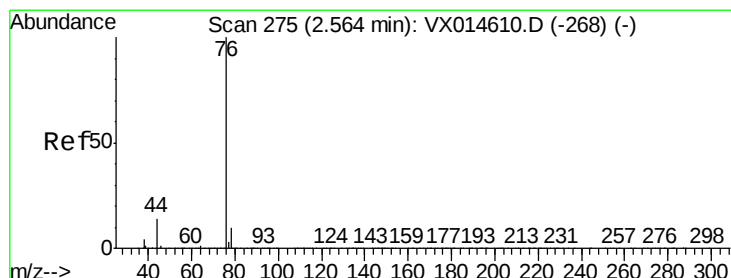
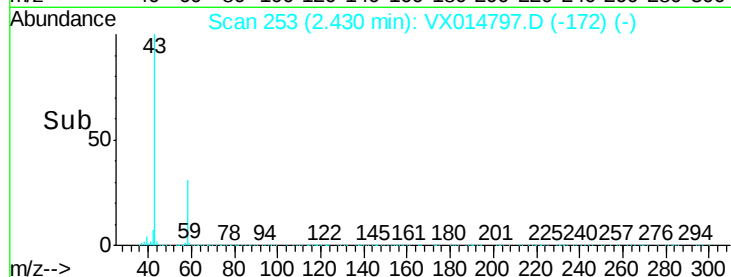
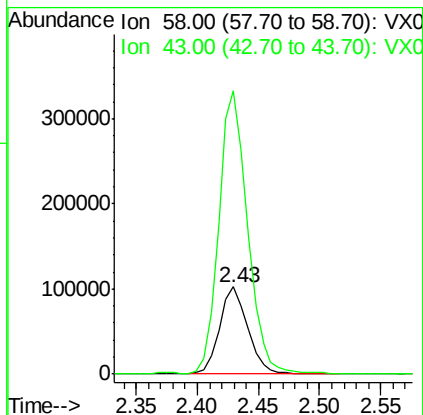
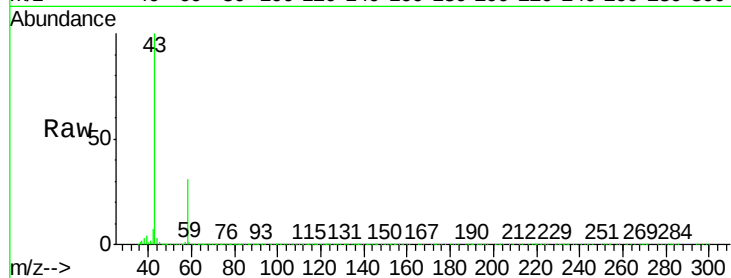
58 100

43 325.2 236.3 354.5

Manual Integrations
APPROVED

MMDadoda

2/4/2020 3:32:27 PM



#16

Carbon Disulfide

Concen: 32.814 ug/l

RT: 2.56 min Scan# 274

Delta R.T. 0.00 min

Lab File: VX014797.D

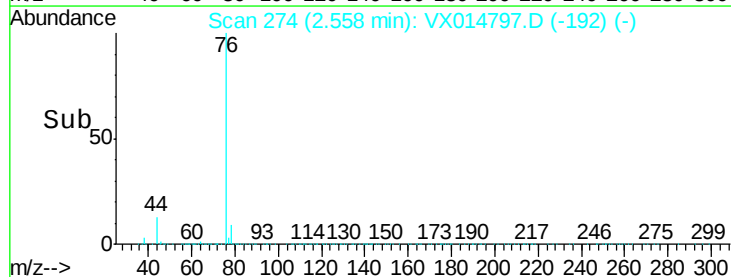
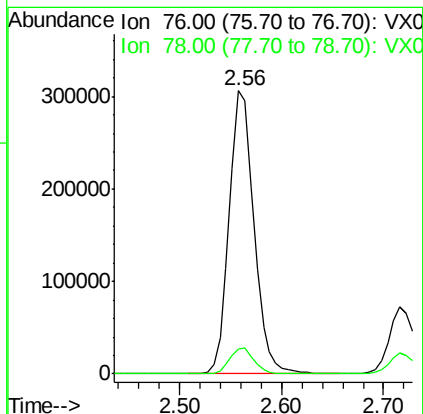
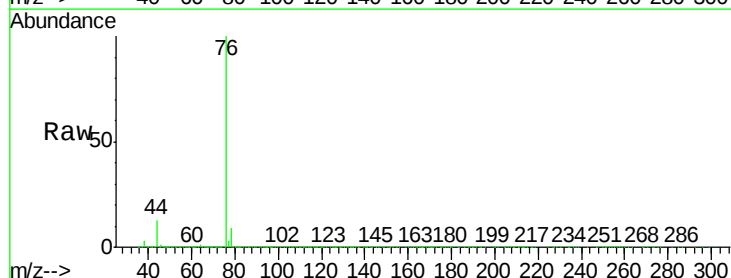
Acq: 03 Feb 2020 16:55

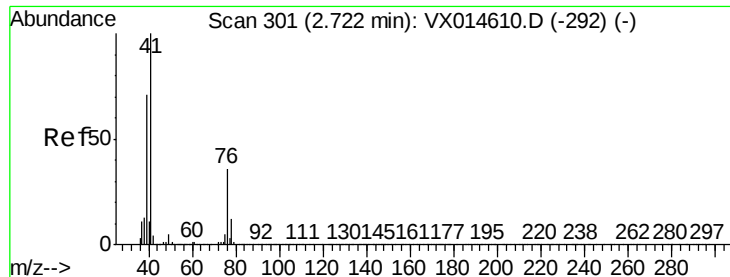
Tgt Ion: 76 Resp: 515758

Ion Ratio Lower Upper

76 100

78 8.9 7.8 11.8





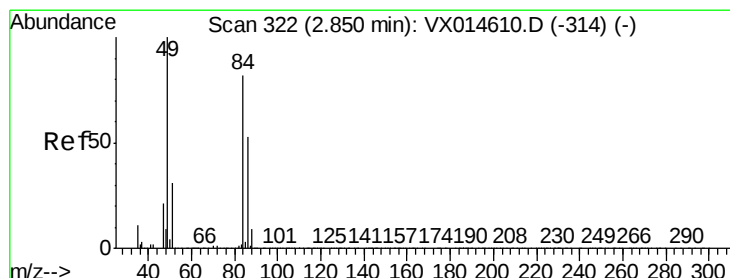
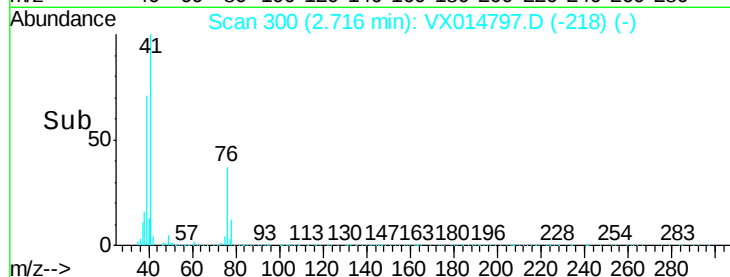
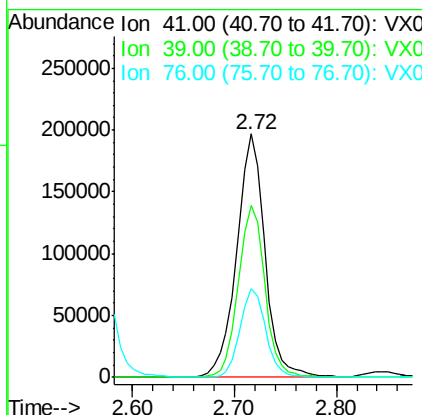
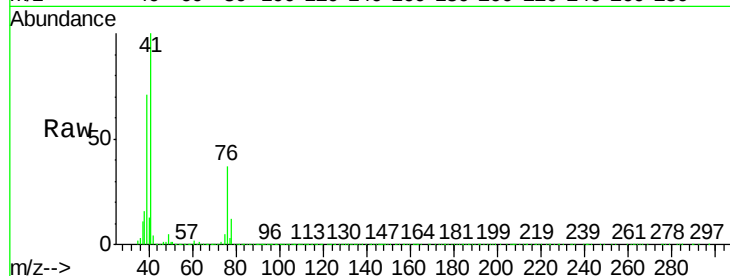
#17
Allvl chloride
Concen: 35.477 ug/l
RT: 2.72 min Scan# 300
Delta R.T. 0.00 min
Lab File: VX014797.D
Acq: 03 Feb 2020 16:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	70.6	33.4	100.2
76	36.4	17.0	50.9

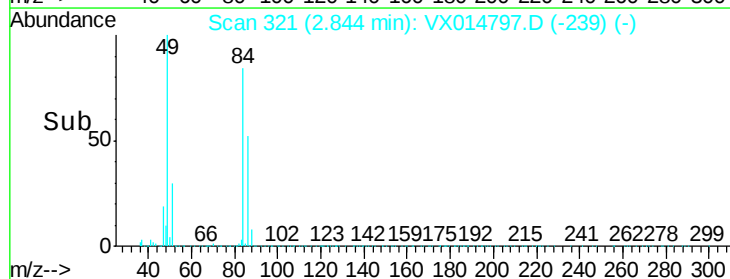
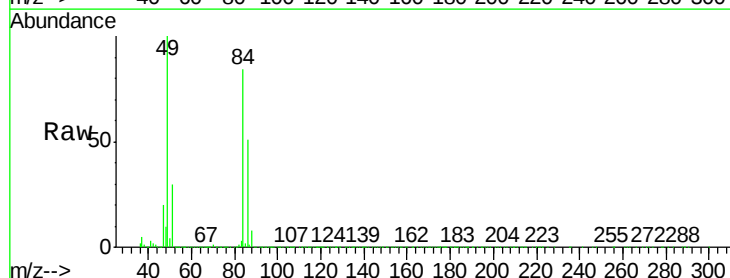
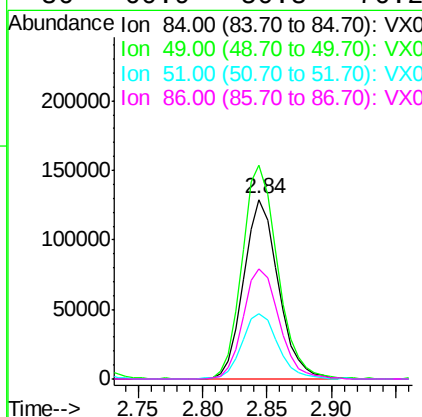
Manual Integrations
APPROVED

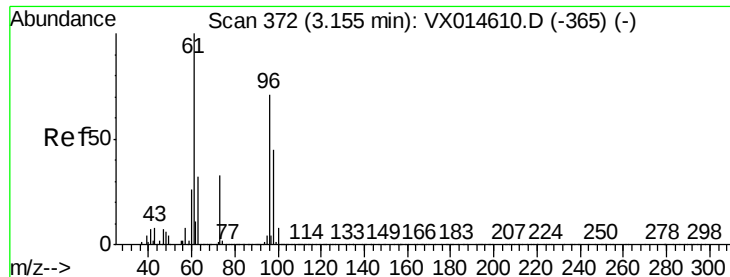
MMDadoda
2/4/2020 3:32:27 PM



#18
Methylene Chloride
Concen: 35.892 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX014797.D
Acq: 03 Feb 2020 16:55

Tgt Ion	Ratio	Lower	Upper
84	100		
49	118.8	102.2	153.2
51	35.8	31.4	47.0
86	60.9	50.8	76.2





#19

trans-1,2-Dichloroethene

Concen: 36.038 ug/l

RT: 3.16 min Scan# 372

Delta R.T. 0.00 min

Lab File: VX014797.D

Acq: 03 Feb 2020 16:55

Instrument :

MSVOA_X

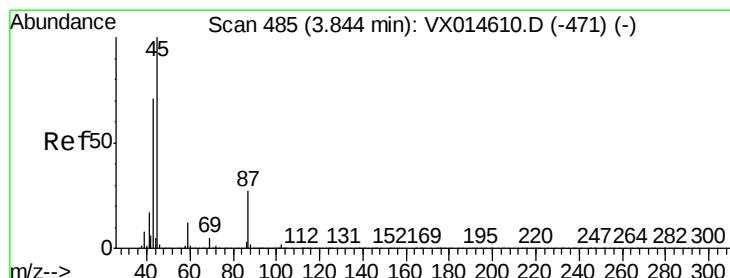
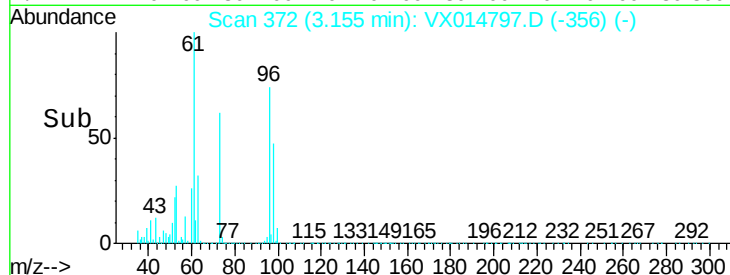
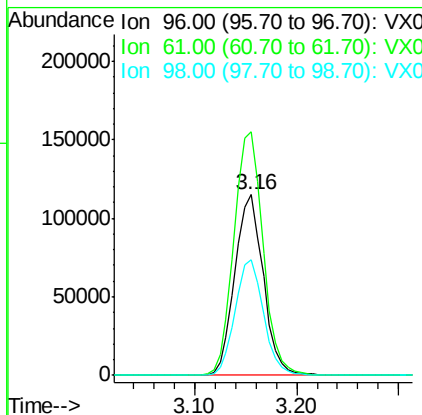
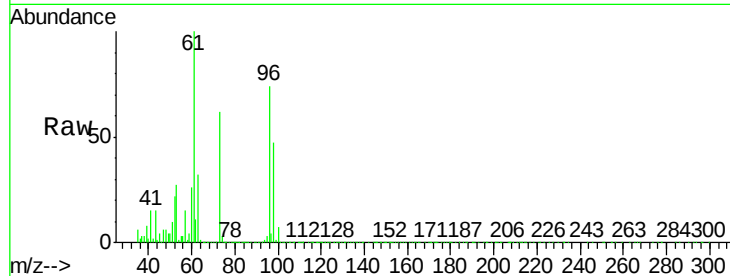
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	222023
Ion Ratio	Lower	Upper	
96	100		
61	134.8	106.6	159.8
98	63.6	51.6	77.4

Manual Integrations
APPROVED

MMDadoda
2/4/2020 3:32:27 PM



#20

Diisopropyl ether

Concen: 37.161 ug/l

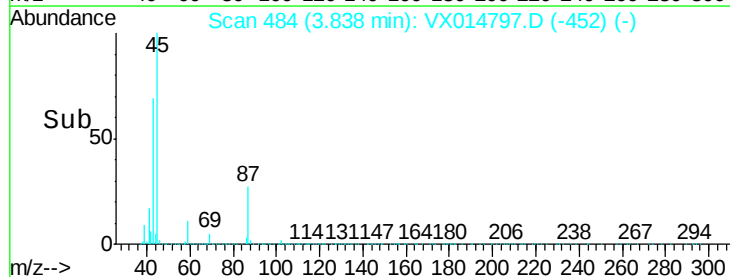
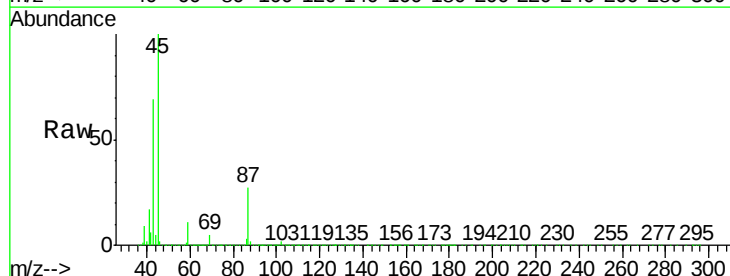
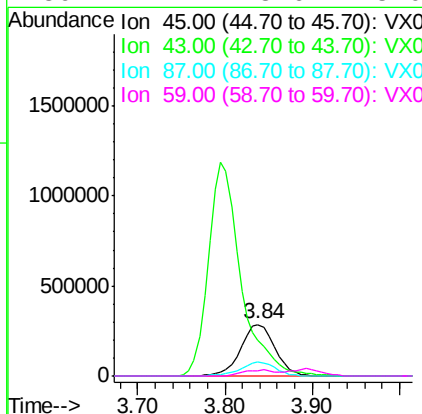
RT: 3.84 min Scan# 484

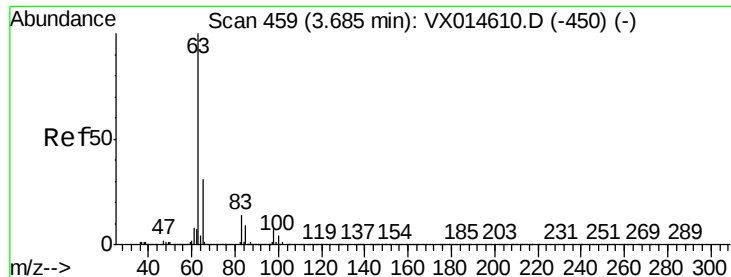
Delta R.T. -0.01 min

Lab File: VX014797.D

Acq: 03 Feb 2020 16:55

Tgt Ion:	45	Resp:	778722
Ion Ratio	Lower	Upper	
45	100		
43	68.0	55.9	83.9
87	26.8	22.2	33.2
59	11.2	8.6	13.0





#21

1,1-Dichloroethane

Concen: 36.781 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX014797.D

Acq: 03 Feb 2020 16:55

Instrument :

MSVOA_X

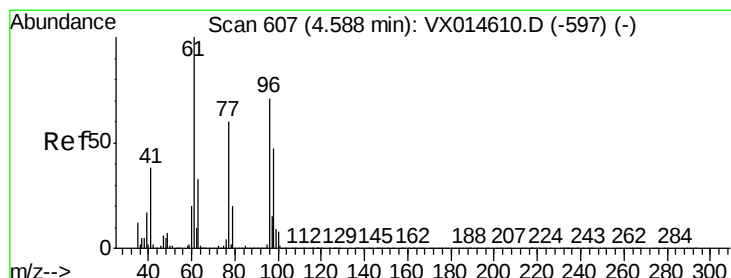
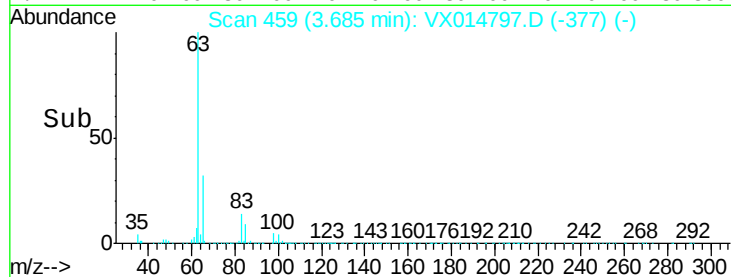
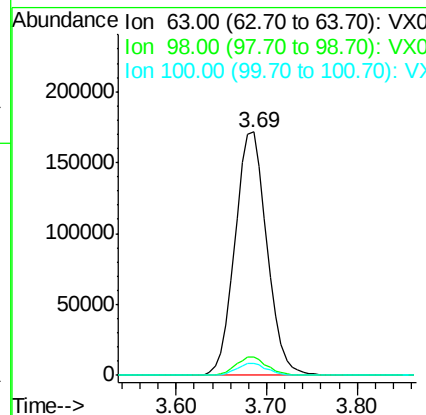
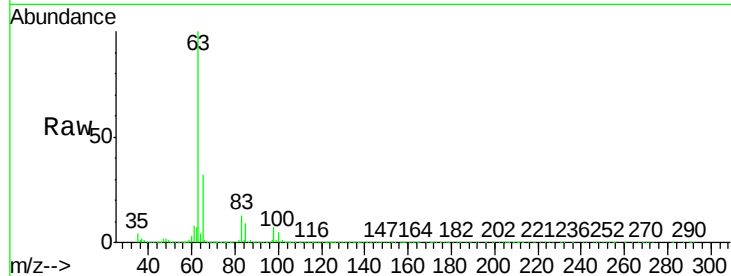
ClientSampleId :

VSTDCCC050EC

Tot Ion:	63	Resp:	418720
Ion Ratio	Lower	Upper	
63	100		
98	7.4	3.4	10.1
100	4.6	2.5	7.4

Manual Integrations
APPROVED

MMDadoda
2/4/2020 3:32:27 PM



#22

cis-1,2-Dichloroethene

Concen: 36.433 ug/l

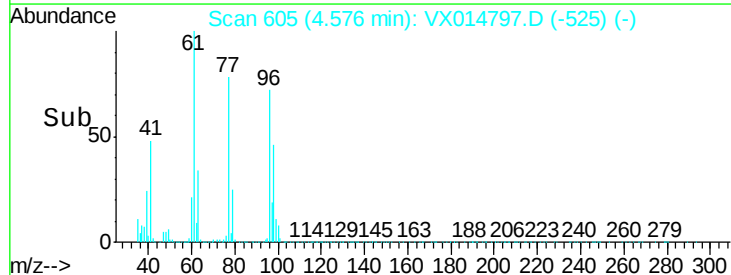
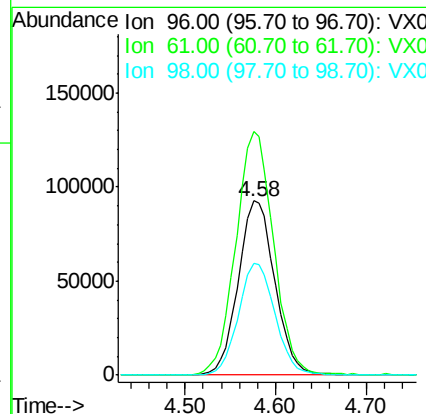
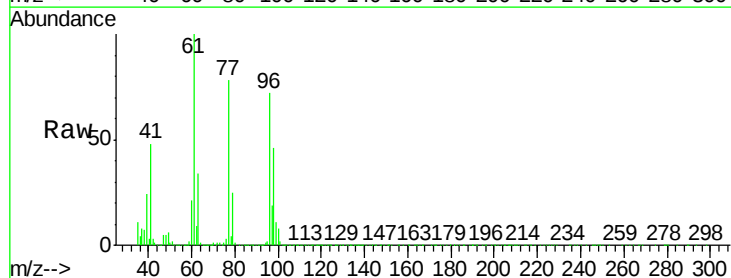
RT: 4.58 min Scan# 605

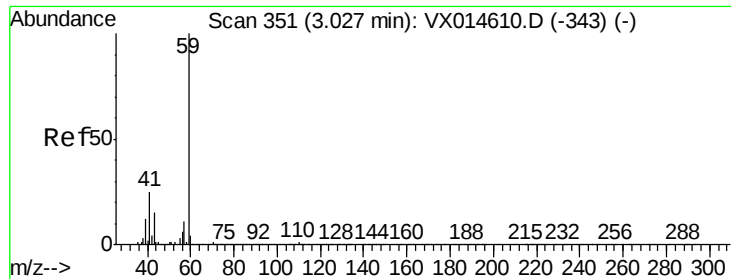
Delta R.T. -0.01 min

Lab File: VX014797.D

Acq: 03 Feb 2020 16:55

Tgt Ion:	96	Resp:	257930
Ion Ratio	Lower	Upper	
96	100		
61	144.9	112.4	168.6
98	64.4	50.3	75.5





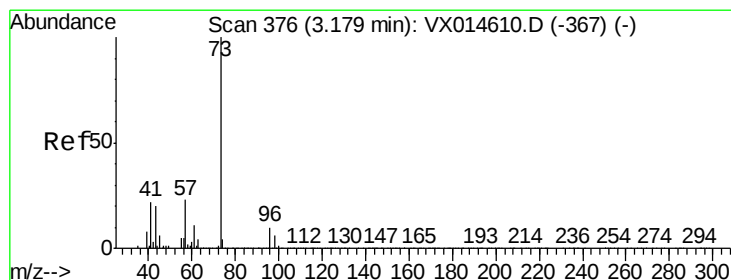
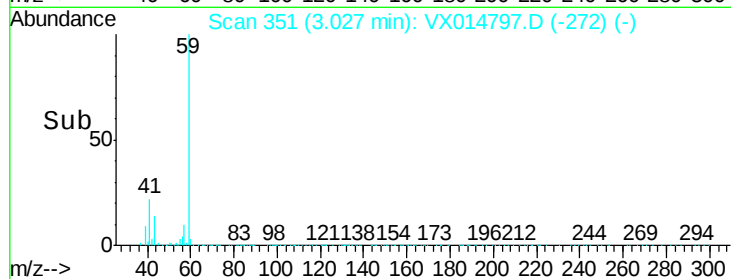
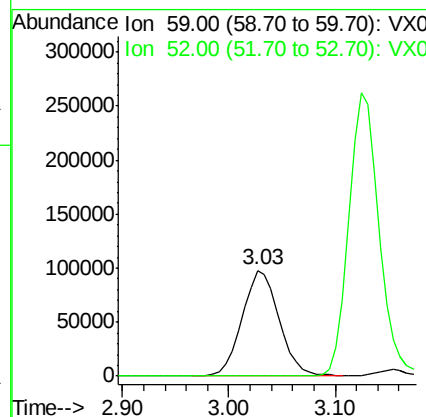
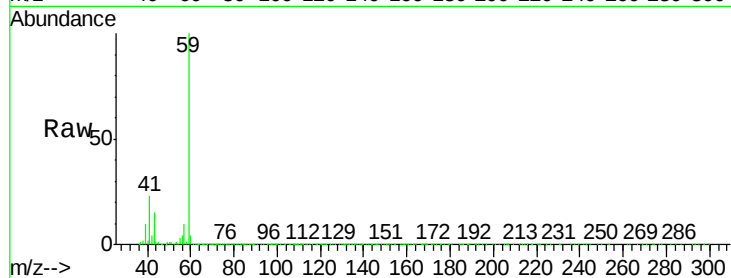
#23
 tert-Butyl Alcohol
 Concen: 163.235 ug/l
 RT: 3.03 min Scan# 351
 Delta R.T. -0.02 min
 Lab File: VX014797.D
 Acq: 03 Feb 2020 16:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 59 Resp: 238809
 Ion Ratio Lower Upper
 59 100
 52 0.1 0.2 0.2#

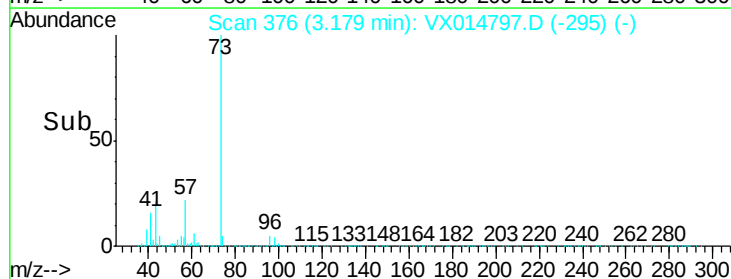
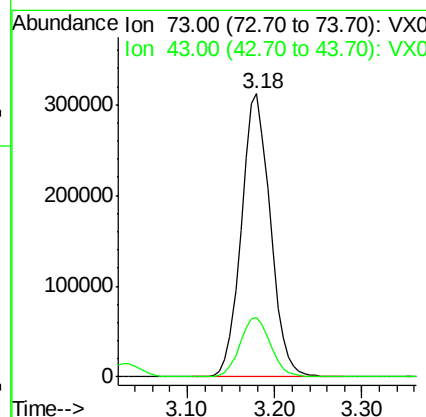
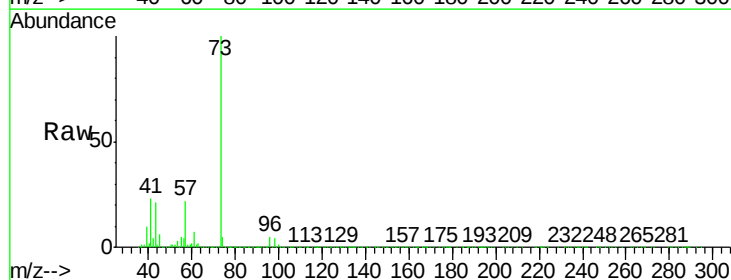
Manual Integrations
 APPROVED

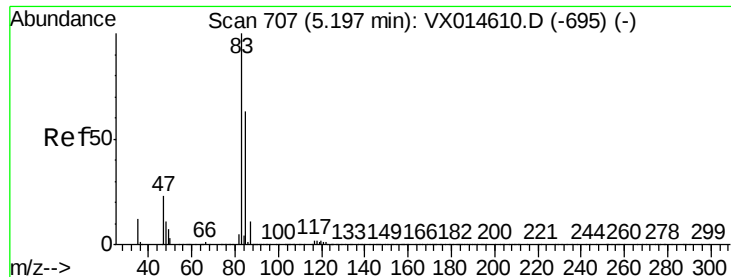
MMDadoda
 2/4/2020 3:32:27 PM



#24
 Methyl tert-Butyl Ether
 Concen: 37.773 ug/l
 RT: 3.18 min Scan# 376
 Delta R.T. -0.01 min
 Lab File: VX014797.D
 Acq: 03 Feb 2020 16:55

Tgt Ion: 73 Resp: 719426
 Ion Ratio Lower Upper
 73 100
 43 21.8 16.6 25.0





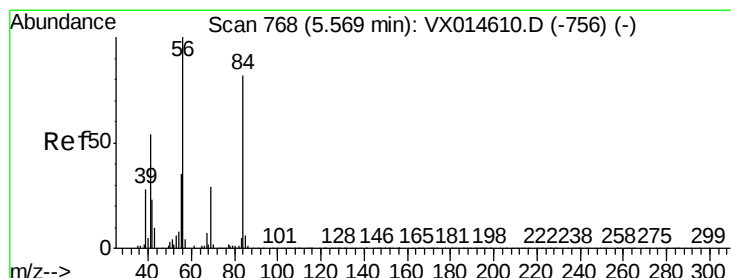
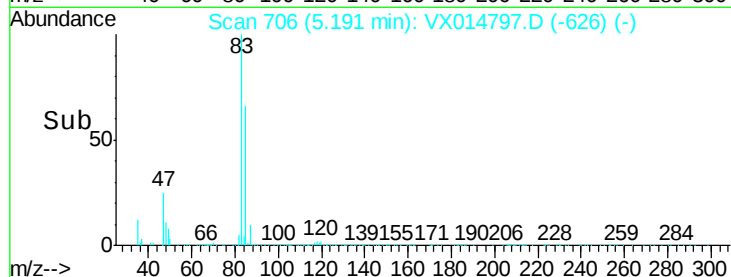
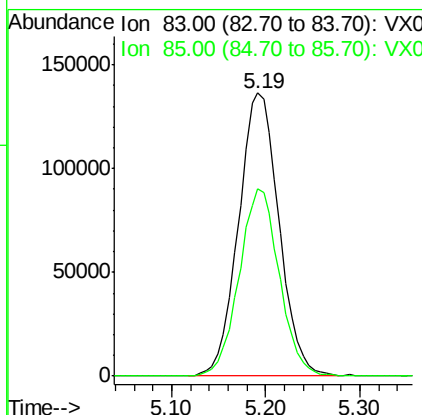
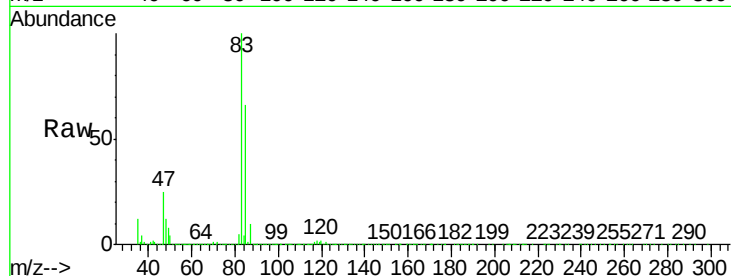
#25
Chloroform
Concen: 37.103 ug/l
RT: 5.19 min Scan# 706
Delta R.T. -0.01 min
Lab File: VX014797.D
Acq: 03 Feb 2020 16:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
85	65.9	52.7	79.1

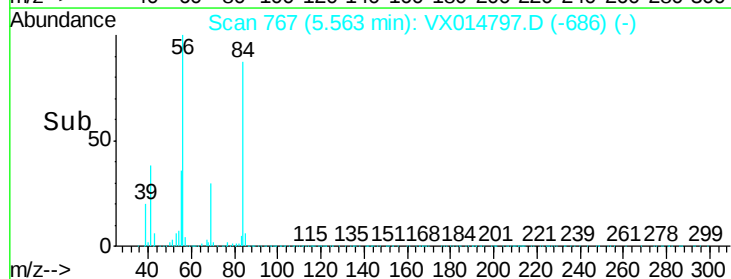
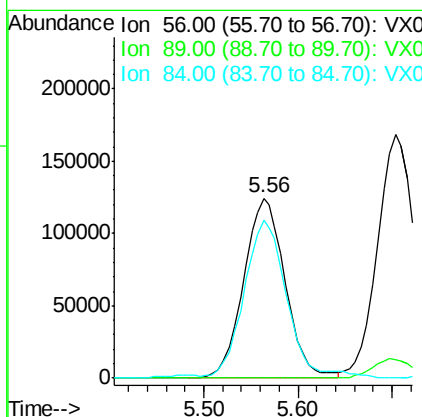
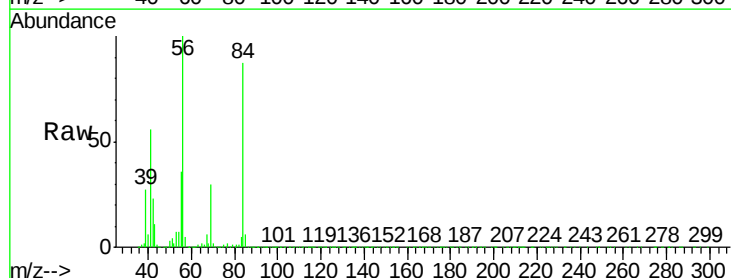
Manual Integrations
APPROVED

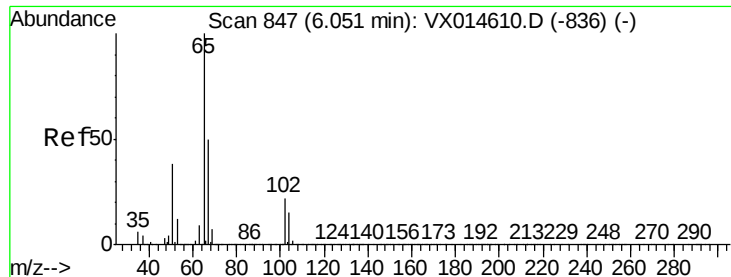
MMDadoda
2/4/2020 3:32:27 PM



#26
Cyclohexane
Concen: 36.271 ug/l
RT: 5.56 min Scan# 767
Delta R.T. -0.01 min
Lab File: VX014797.D
Acq: 03 Feb 2020 16:55

Tgt Ion	Ratio	Lower	Upper
56	100		
89	0.1	0.1	0.1#
84	85.3	70.8	106.2





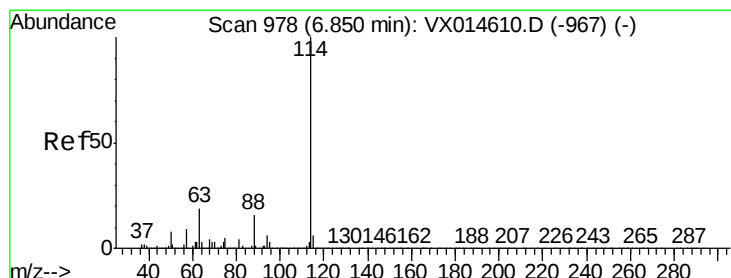
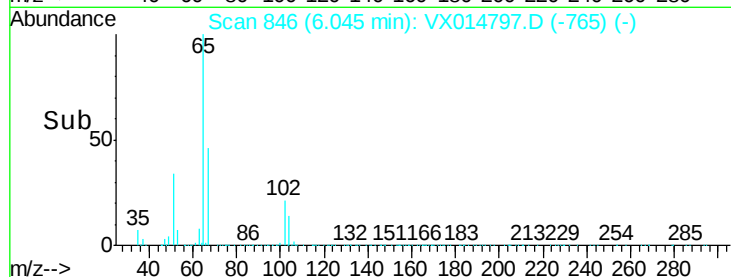
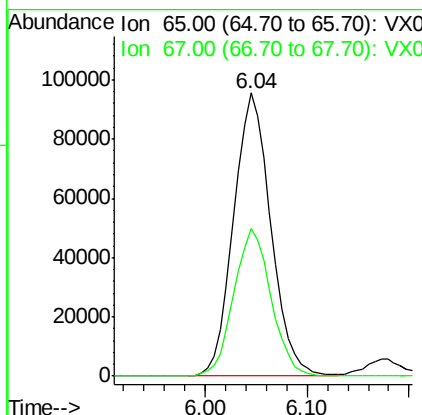
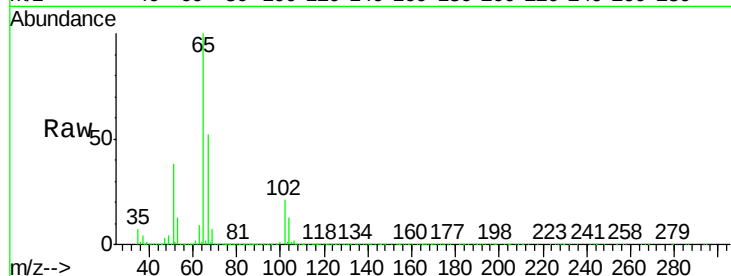
#27
 1,2-Dichloroethane-d4
 Concen: 33.145 ug/l
 RT: 6.04 min Scan# 846
 Delta R.T. -0.01 min
 Lab File: VX014797.D
 Acq: 03 Feb 2020 16:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.9	43.1	64.7

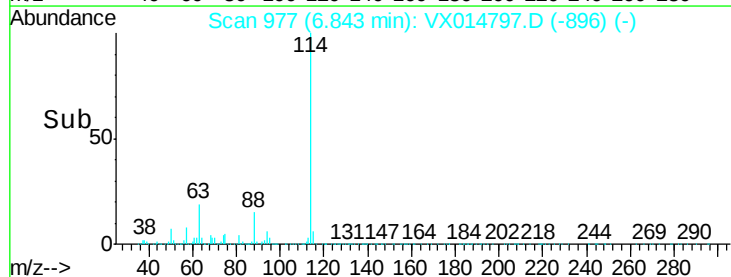
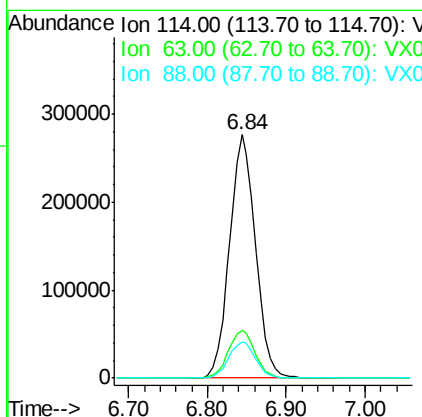
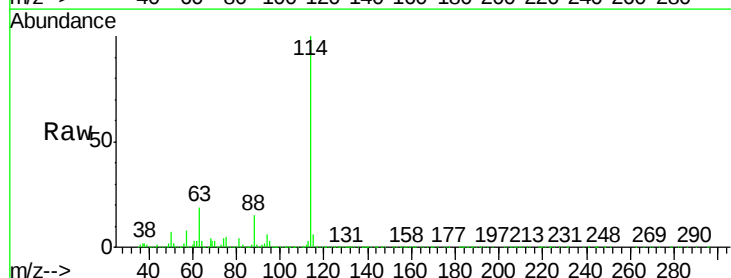
Manual Integrations
 APPROVED

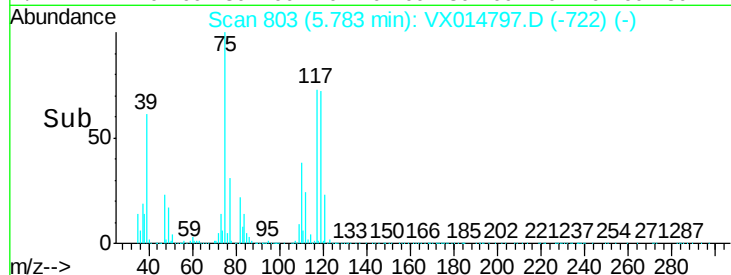
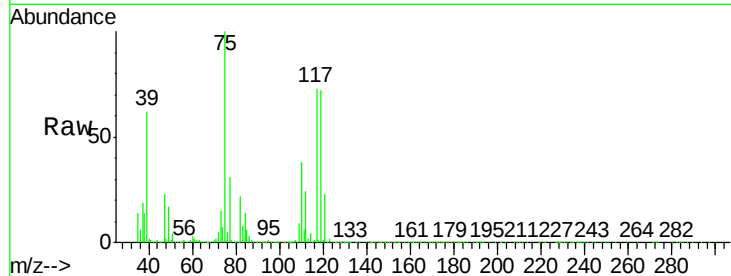
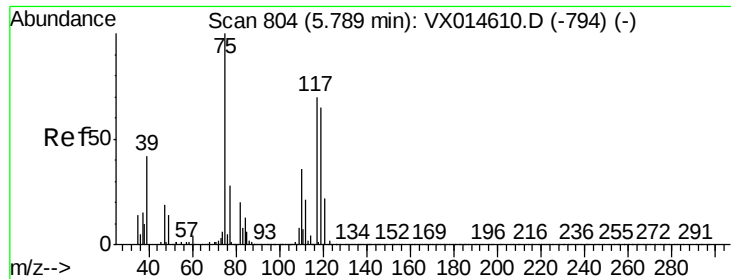
MMDadoda
 2/4/2020 3:32:27 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.84 min Scan# 977
 Delta R.T. -0.01 min
 Lab File: VX014797.D
 Acq: 03 Feb 2020 16:55

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.9	16.1	24.1
88	15.3	12.5	18.7





#29

1,1-Dichloropropene

Concen: 33.531 ug/l

RT: 5.78 min Scan# 803

Delta R.T. -0.01 min

Lab File: VX014797.D

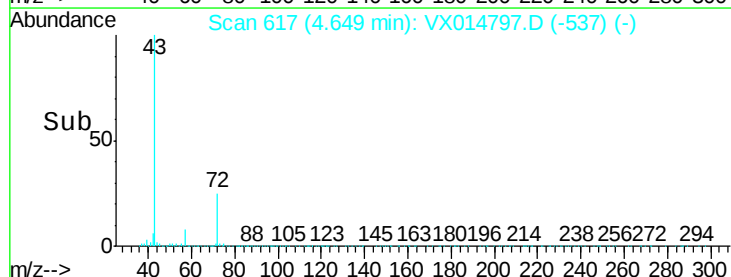
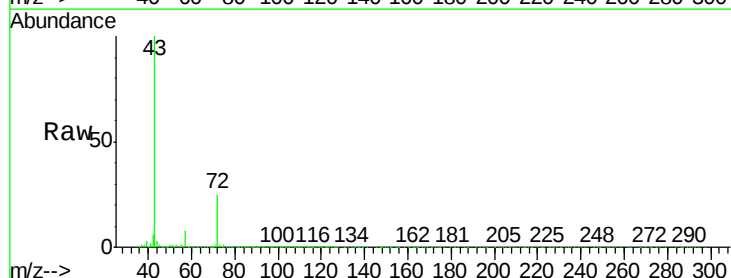
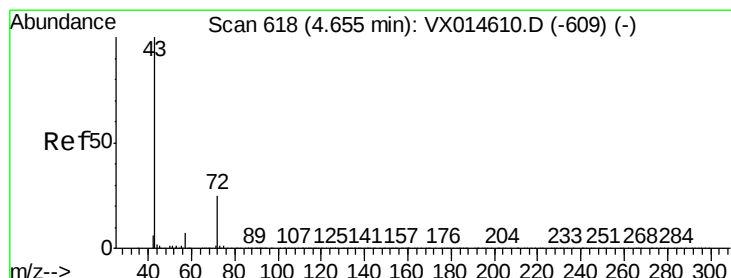
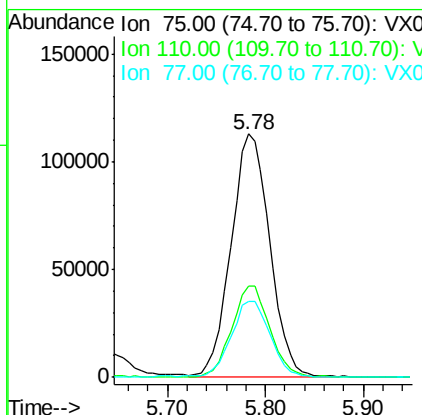
Acq: 03 Feb 2020 16:55

Tot Ion:	75	Resp:	310214
Ion Ratio	Lower	Upper	
75	100		
110	36.6	0.0	73.8
77	31.1	0.0	62.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

MMDadoda
2/4/2020 3:32:27 PM



#30

2-Butanone

Concen: 150.237 ug/l

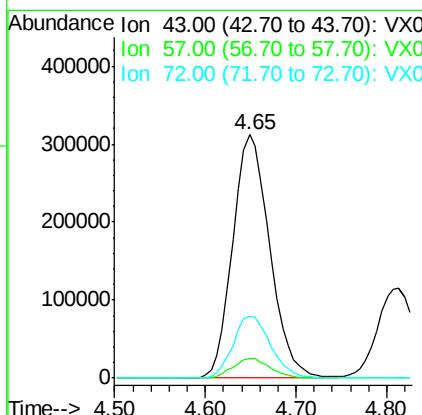
RT: 4.65 min Scan# 617

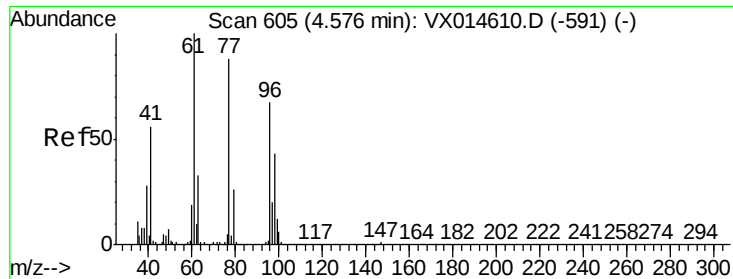
Delta R.T. -0.01 min

Lab File: VX014797.D

Acq: 03 Feb 2020 16:55

Tgt Ion:	43	Resp:	880470
Ion Ratio	Lower	Upper	
43	100		
57	7.9	6.2	9.2
72	25.7	20.3	30.5





#31

2,2-Dichloropropane

Concen: 35.320 ug/l

RT: 4.56 min Scan# 603

Delta R.T. -0.01 min

Lab File: VX014797.D

Acq: 03 Feb 2020 16:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 77 Resp: 349633

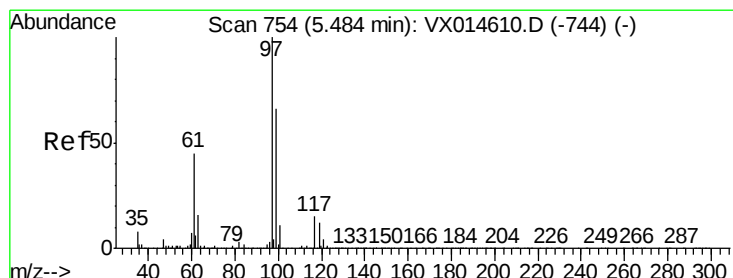
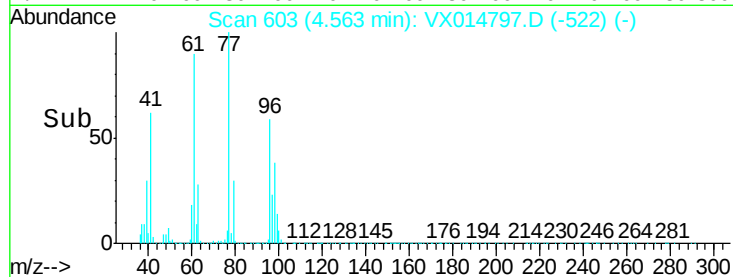
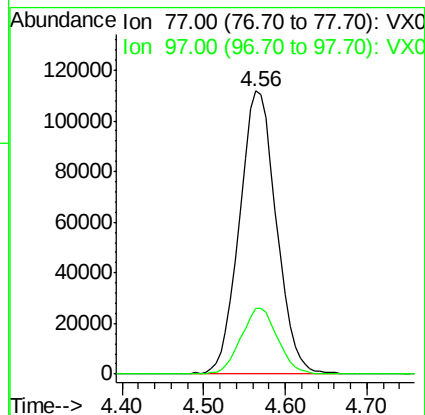
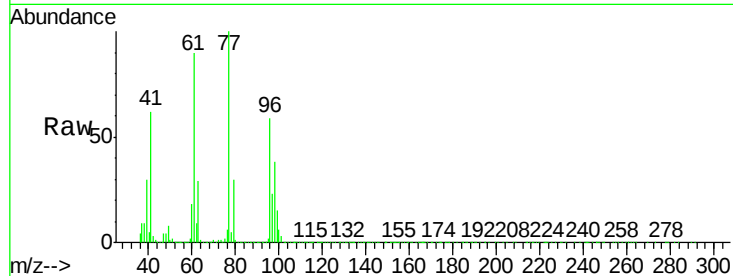
Ion Ratio Lower Upper

77 100

97 23.3 19.7 29.5

Manual Integrations
APPROVED

MMDadoda
2/4/2020 3:32:27 PM



#32

1,1,1-Trichloroethane

Concen: 34.048 ug/l

RT: 5.48 min Scan# 753

Delta R.T. -0.01 min

Lab File: VX014797.D

Acq: 03 Feb 2020 16:55

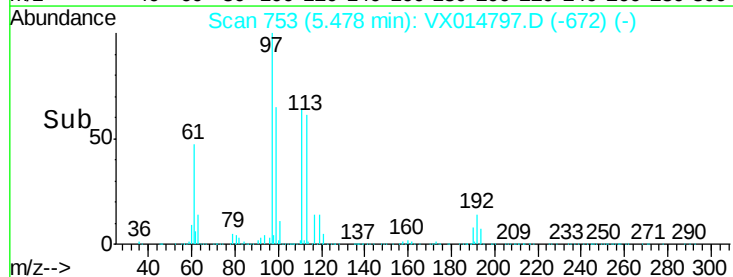
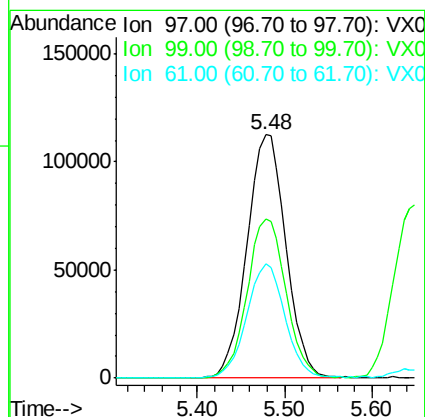
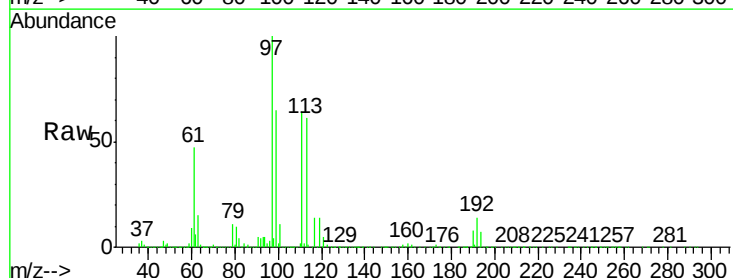
Tgt Ion: 97 Resp: 348495

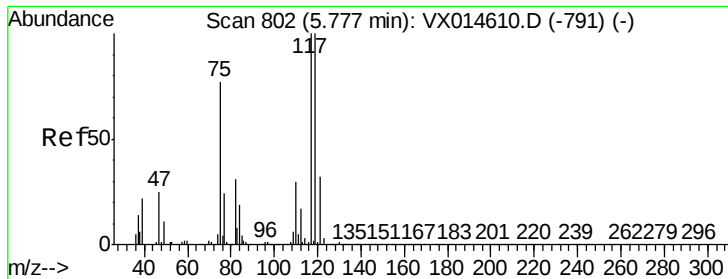
Ion Ratio Lower Upper

97 100

99 65.3 51.9 77.9

61 46.1 36.8 55.2





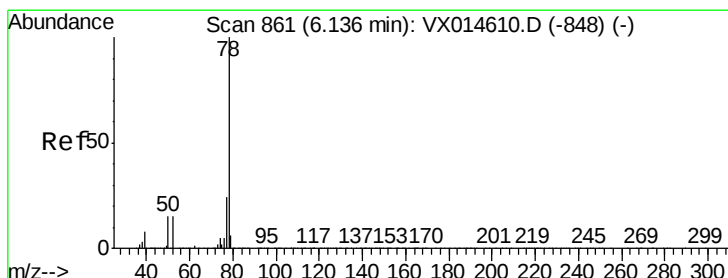
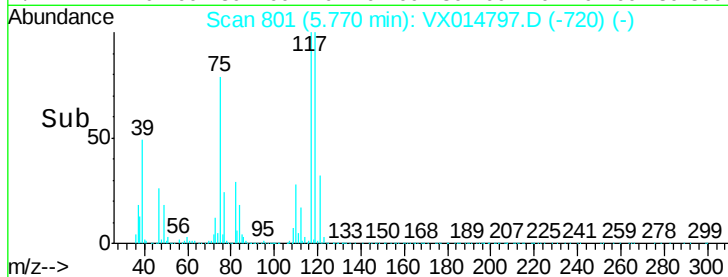
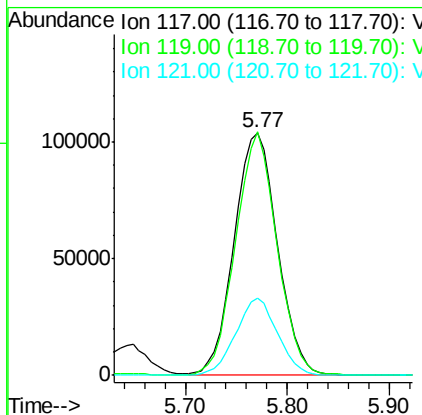
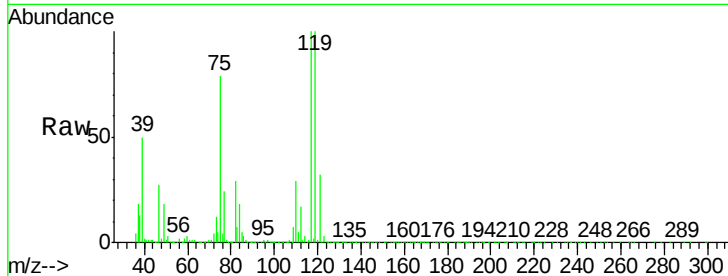
#33
Carbon Tetrachloride
Concen: 34.749 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.01 min
Lab File: VX014797.D
Acq: 03 Feb 2020 16:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
119	100.5	77.2	115.8
121	32.0	24.8	37.2

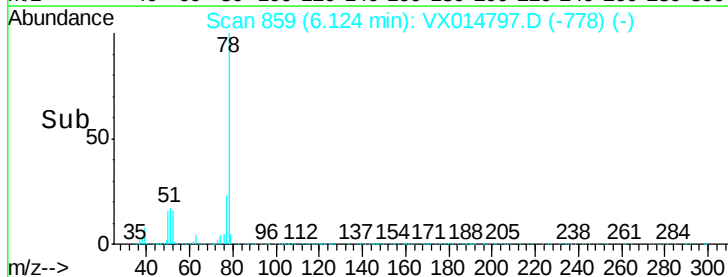
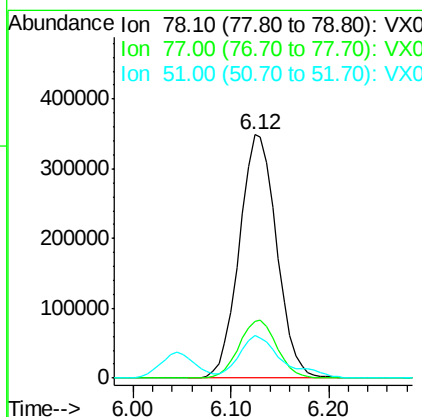
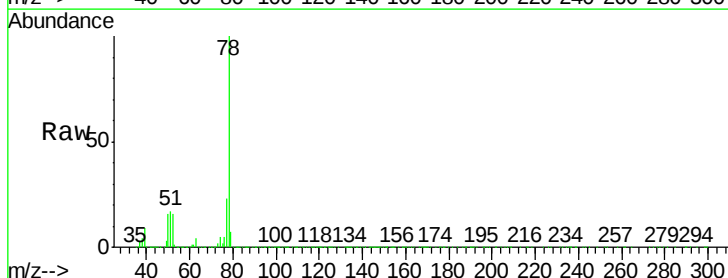
Manual Integrations
APPROVED

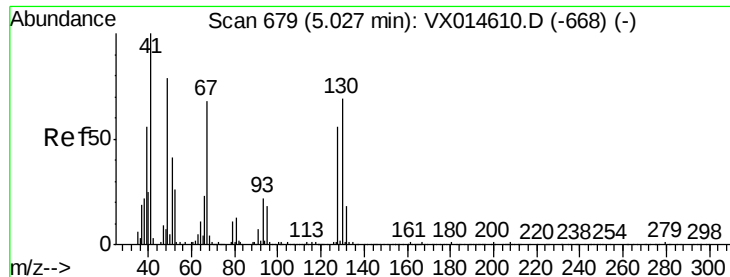
MMDadoda
2/4/2020 3:32:27 PM



#34
Benzene
Concen: 32.397 ug/l
RT: 6.12 min Scan# 859
Delta R.T. -0.01 min
Lab File: VX014797.D
Acq: 03 Feb 2020 16:55

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.2	27.2
51	16.8	12.4	18.6





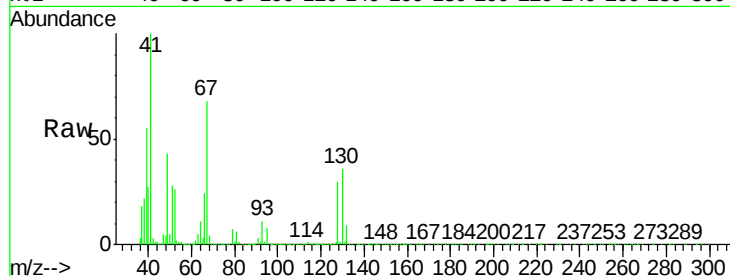
#35
Methacrylonitrile
Concen: 32.737 ug/l
RT: 5.02 min Scan# 678
Delta R.T. -0.01 min
Lab File: VX014797.D
Acq: 03 Feb 2020 16:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

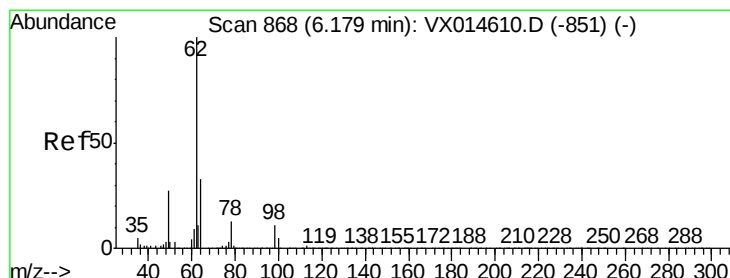
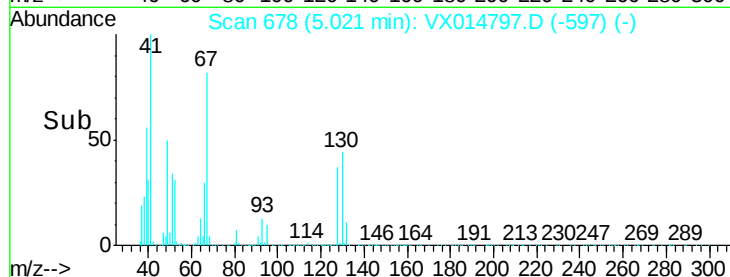
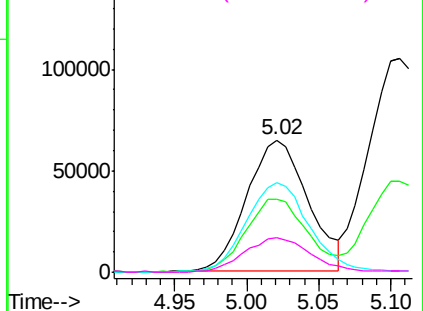
Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		191614		
39	54.4	26.7	80.1		
67	67.7	31.5	94.5		
52	25.6	12.8	38.4		

Manual Integrations
APPROVED

MMDadoda
2/4/2020 3:32:27 PM

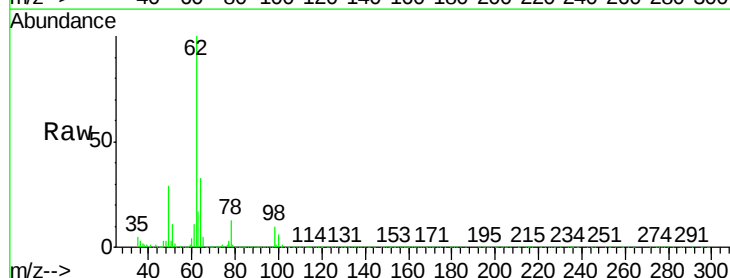


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

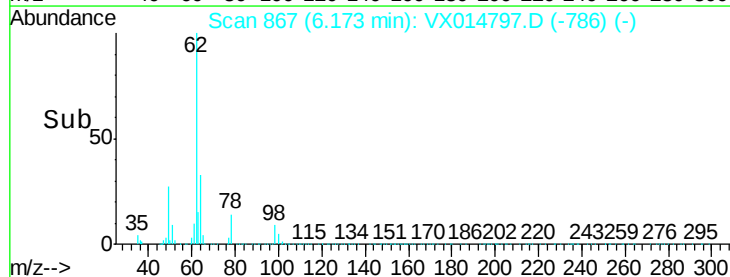
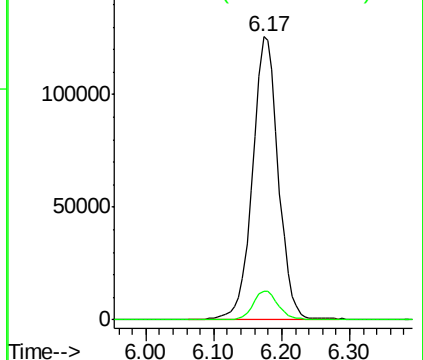


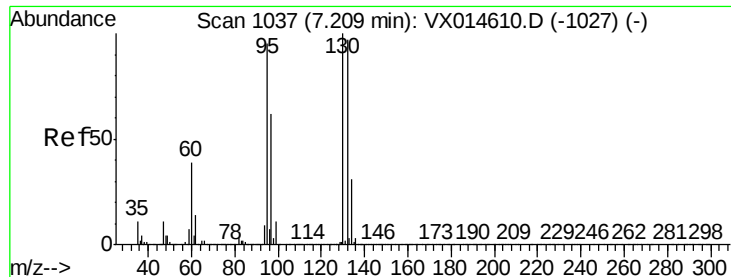
#36
1,2-Dichloroethane
Concen: 33.561 ug/l
RT: 6.17 min Scan# 867
Delta R.T. -0.01 min
Lab File: VX014797.D
Acq: 03 Feb 2020 16:55

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		333895		
98	9.9	8.4	12.6		



Abundance Ion 62.00 (61.70 to 62.70): VX0
Ion 98.00 (97.70 to 98.70): VX0





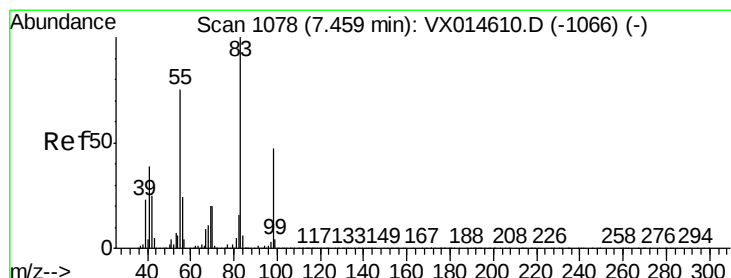
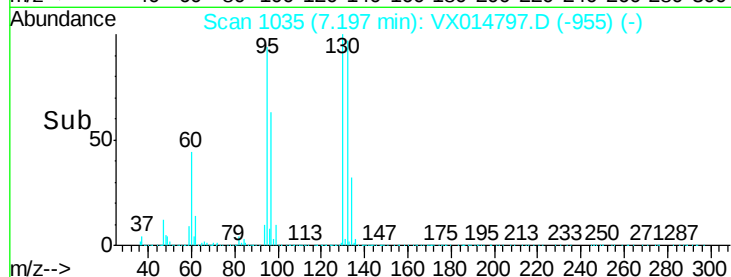
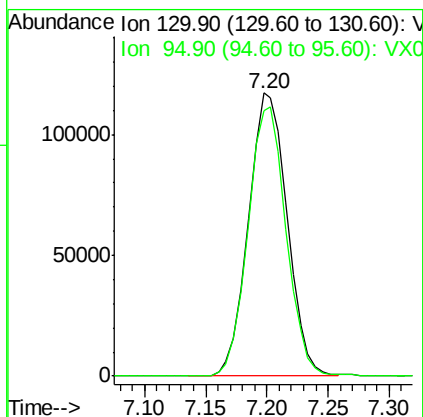
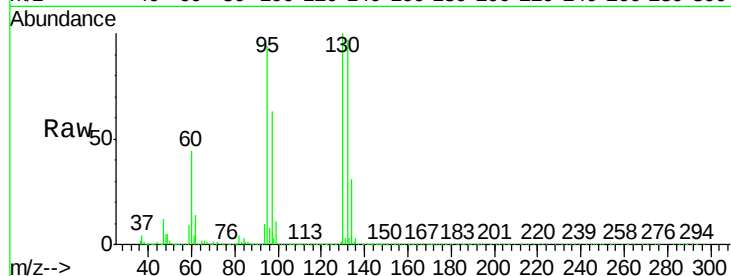
#37
 Trichloroethene
 Concen: 33.035 ug/l
 RT: 7.20 min Scan# 1035
 Delta R.T. -0.01 min
 Lab File: VX014797.D
 Acq: 03 Feb 2020 16:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
130	100		
95	93.9	71.7	107.5

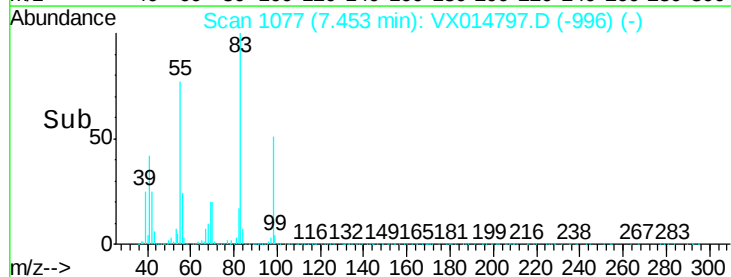
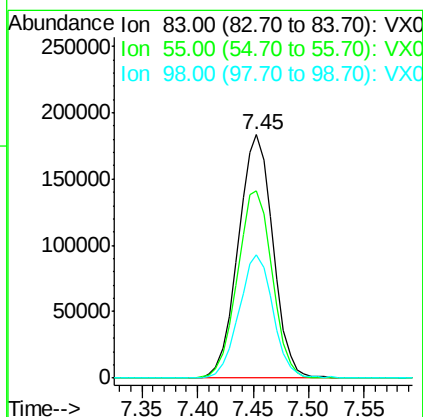
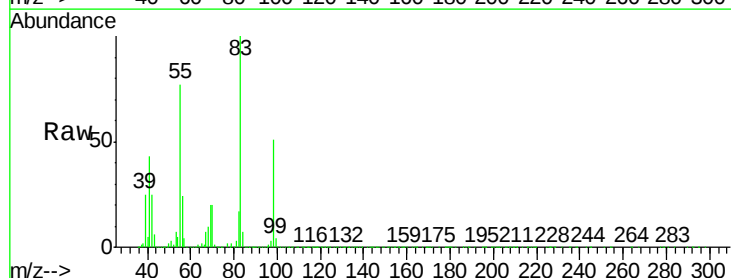
Manual Integrations
 APPROVED

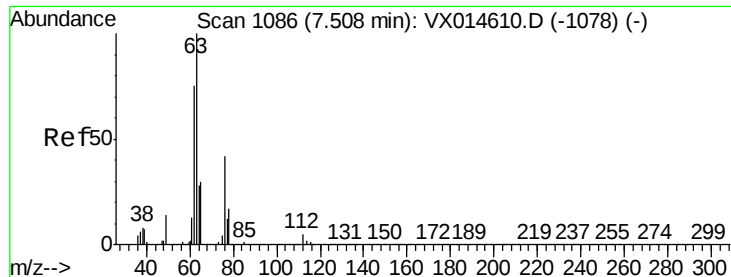
MMDadoda
 2/4/2020 3:32:27 PM



#38
 Methylcyclohexane
 Concen: 34.335 ug/l
 RT: 7.45 min Scan# 1077
 Delta R.T. -0.01 min
 Lab File: VX014797.D
 Acq: 03 Feb 2020 16:55

Tgt Ion	Ratio	Lower	Upper
83	100		
55	77.7	39.4	118.1
98	50.0	25.1	75.3





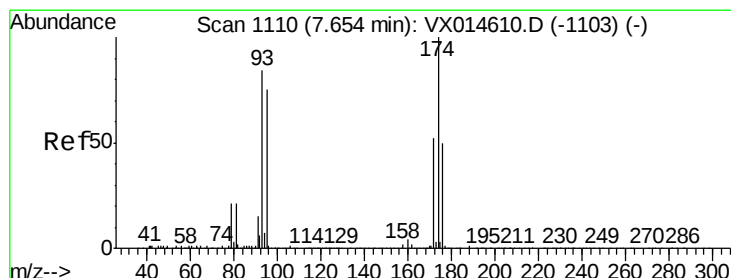
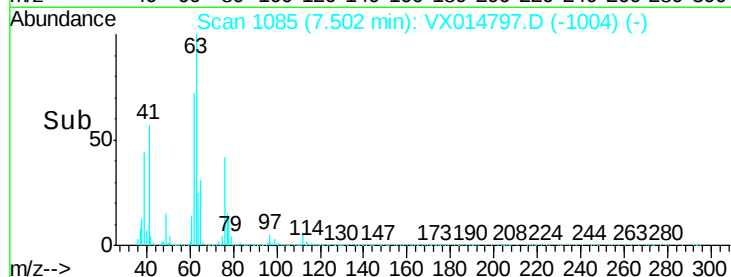
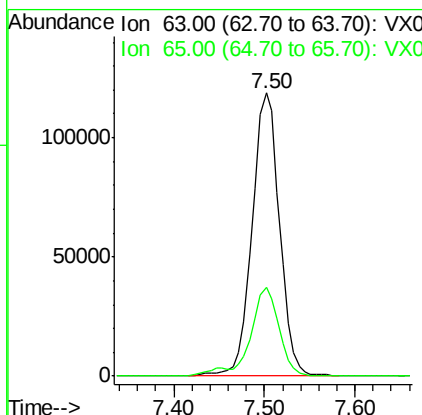
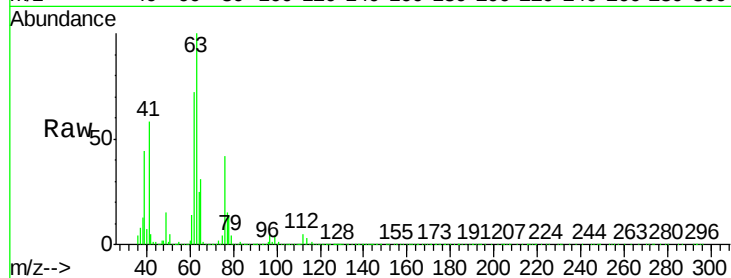
#39
 1,2-Dichloropropane
 Concen: 33.267 ug/l
 RT: 7.50 min Scan# 1085
 Delta R.T. -0.01 min
 Lab File: VX014797.D
 Acq: 03 Feb 2020 16:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.3	22.1	33.1

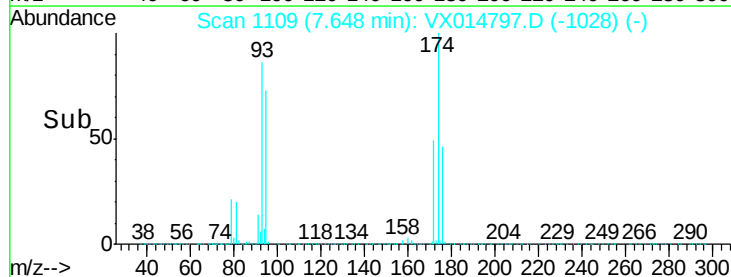
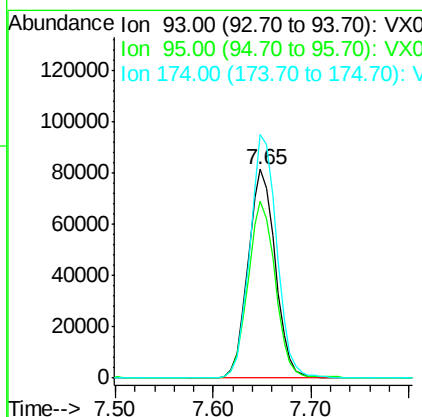
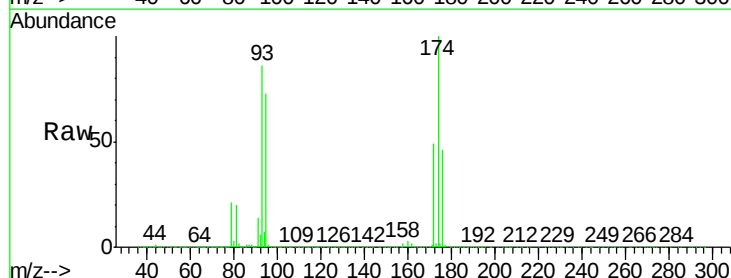
Manual Integrations
 APPROVED

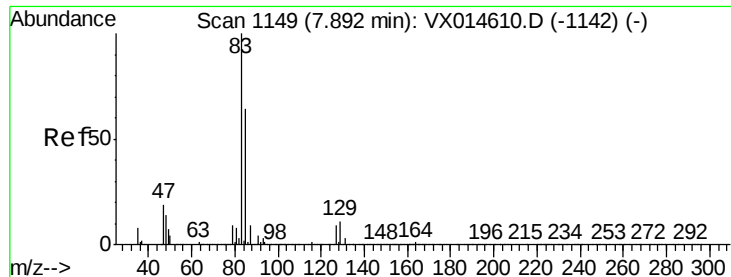
MMDadoda
 2/4/2020 3:32:27 PM



#40
 Dibromomethane
 Concen: 33.104 ug/l
 RT: 7.65 min Scan# 1109
 Delta R.T. -0.01 min
 Lab File: VX014797.D
 Acq: 03 Feb 2020 16:55

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.1	0.0	164.4
174	115.5	0.0	228.8





#41

Bromodichloromethane

Concen: 34.636 ug/l

RT: 7.89 min Scan# 1148

Delta R.T. -0.01 min

Lab File: VX014797.D

Acq: 03 Feb 2020 16:55

Instrument :

MSVOA_X

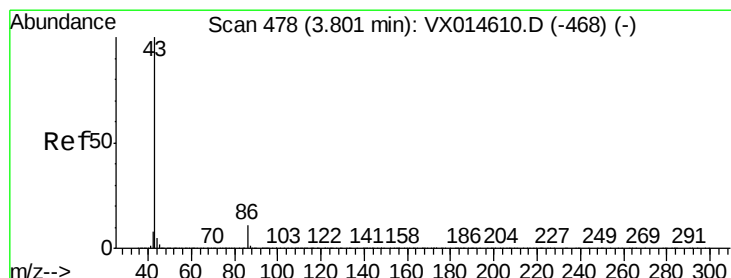
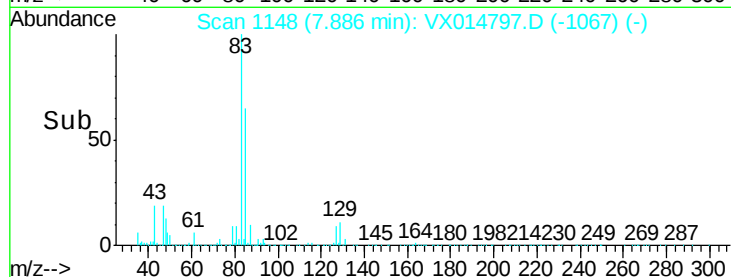
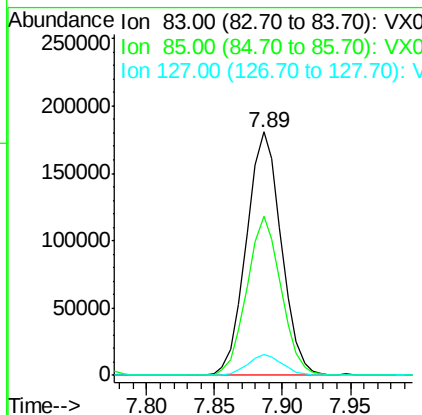
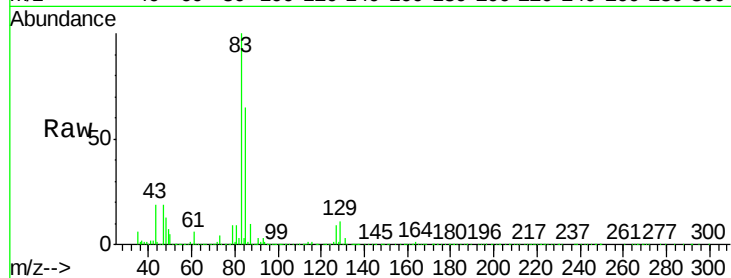
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	324055
Ion Ratio	Lower	Upper	
83	100		
85	65.3	51.6	77.4
127	8.6	6.0	9.0

Manual Integrations
APPROVED

MMDadoda
2/4/2020 3:32:27 PM



#42

Vinyl Acetate

Concen: 169.706 ug/l

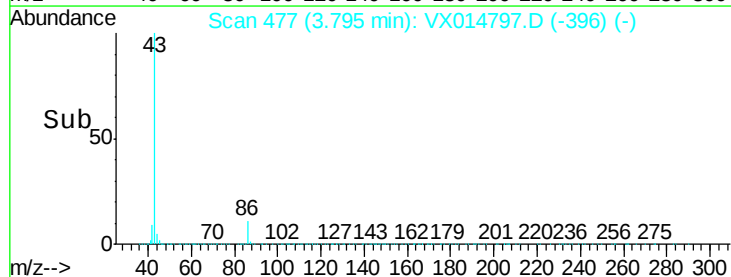
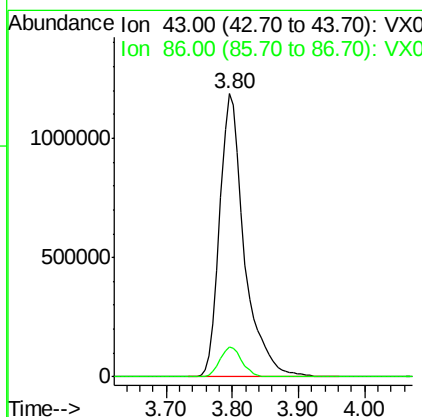
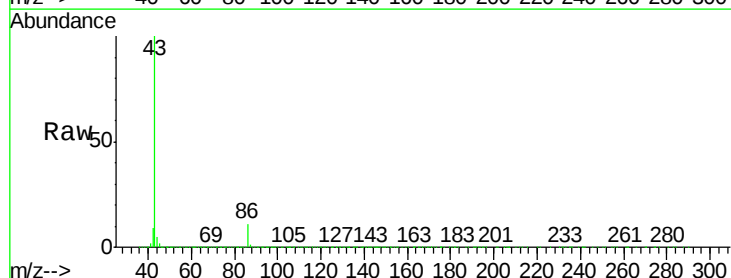
RT: 3.80 min Scan# 477

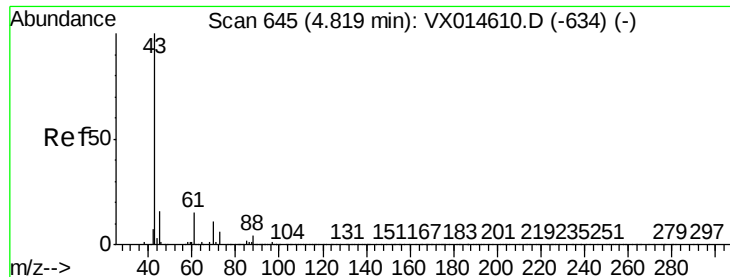
Delta R.T. -0.01 min

Lab File: VX014797.D

Acq: 03 Feb 2020 16:55

Tgt Ion:	43	Resp:	3065470
Ion Ratio	Lower	Upper	
43	100		
86	9.3	7.7	11.5





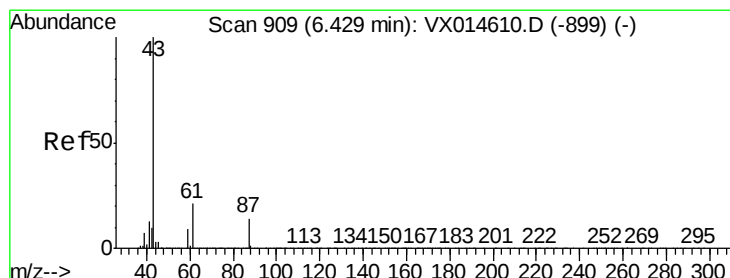
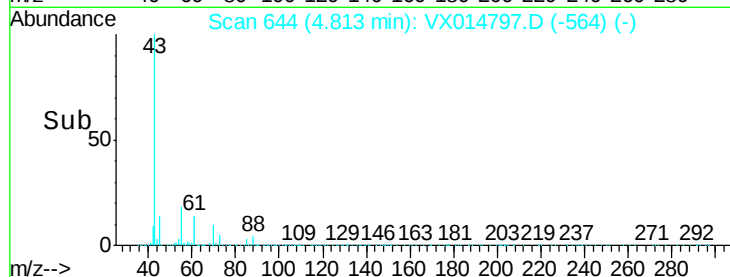
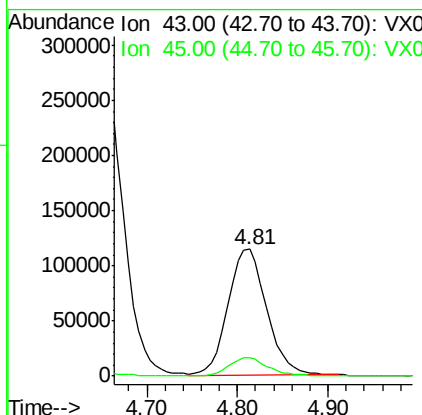
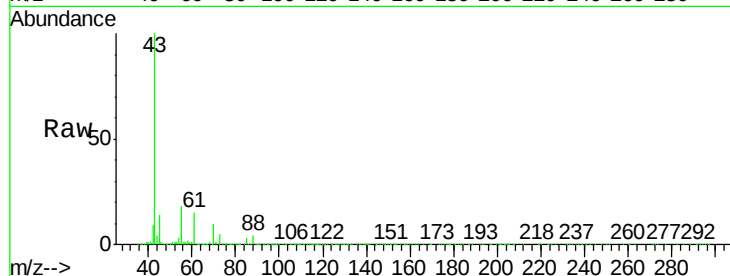
#43
Ethyl Acetate
Concen: 31.761 ug/l
RT: 4.81 min Scan# 644
Delta R.T. -0.01 min
Lab File: VX014797.D
Acq: 03 Feb 2020 16:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
45	14.7	11.8	17.8

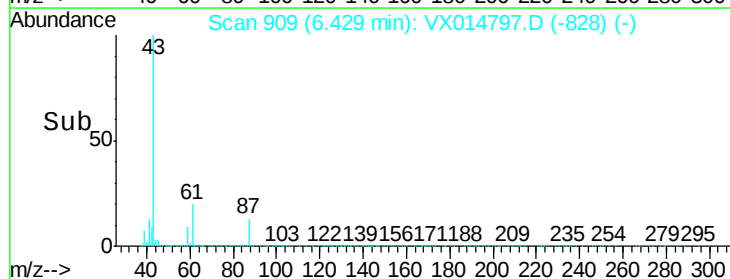
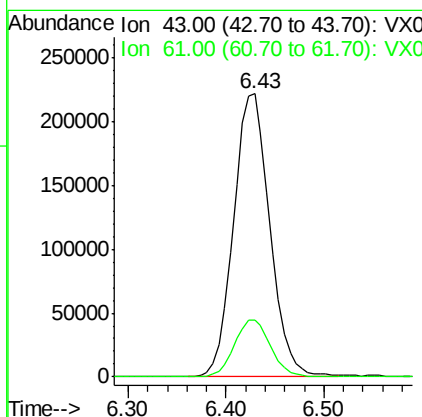
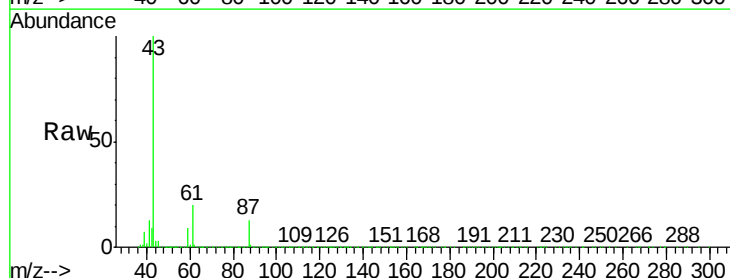
Manual Integrations
APPROVED

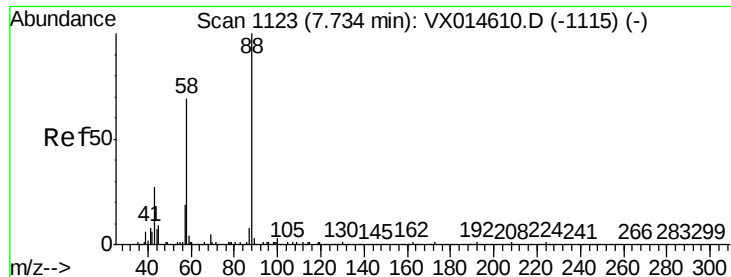
MMDadoda
2/4/2020 3:32:27 PM



#44
Isopropyl Acetate
Concen: 33.089 ug/l
RT: 6.43 min Scan# 909
Delta R.T. -0.01 min
Lab File: VX014797.D
Acq: 03 Feb 2020 16:55

Tgt Ion	Ratio	Lower	Upper
43	100		
61	19.9	15.9	23.9





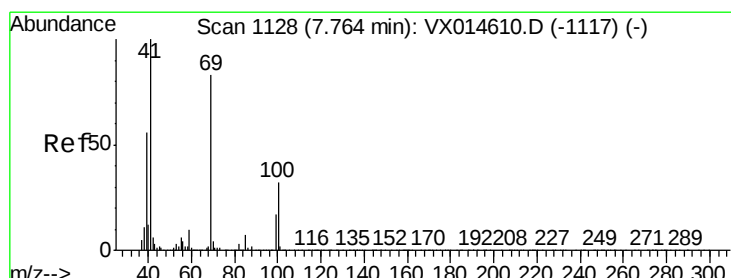
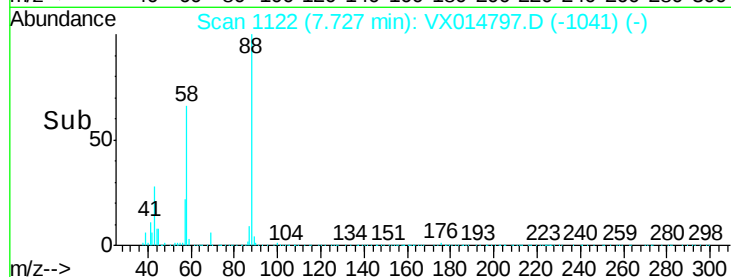
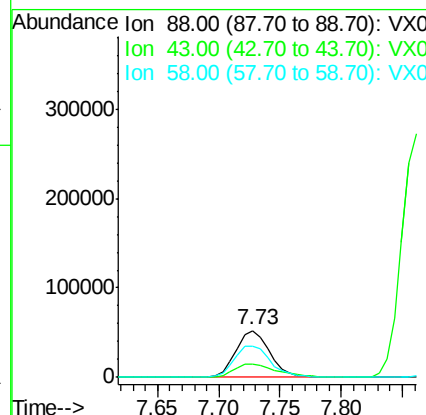
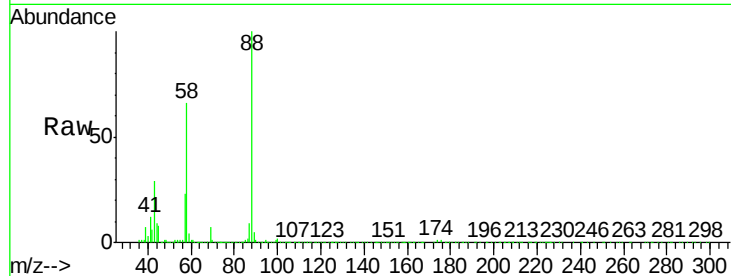
#45
1,4-Dioxane
Concen: 582.352 ug/l
RT: 7.73 min Scan# 1122
Delta R.T. -0.01 min
Lab File: VX014797.D
Acq: 03 Feb 2020 16:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:	88	Resp:	99697
Ion	Ratio	Lower	Upper
88	100		
43	34.9	25.4	38.2
58	71.3	56.5	84.7

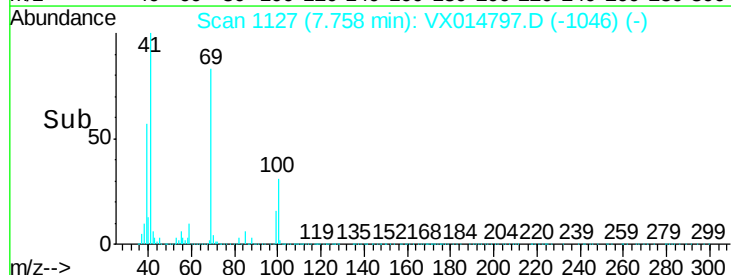
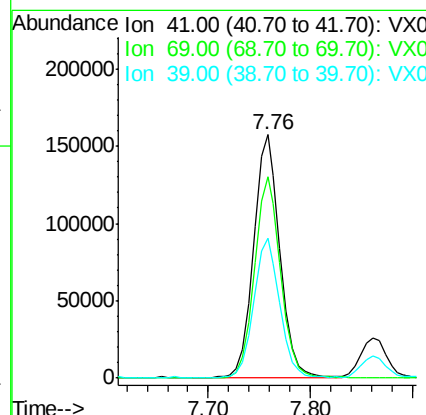
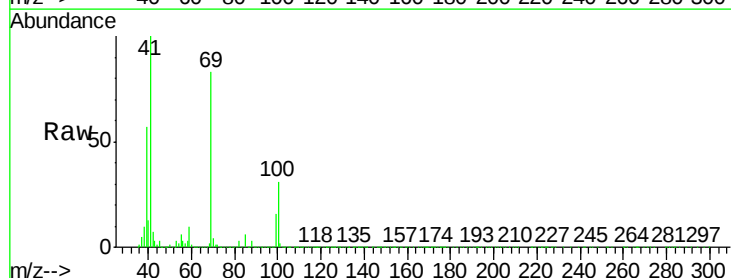
Manual Integrations
APPROVED

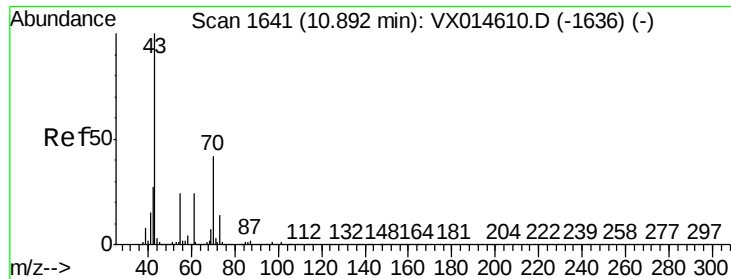
MMDadoda
2/4/2020 3:32:27 PM



#46
Methyl methacrylate
Concen: 33.359 ug/l
RT: 7.76 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VX014797.D
Acq: 03 Feb 2020 16:55

Tgt Ion:	41	Resp:	280763
Ion	Ratio	Lower	Upper
41	100		
69	82.7	40.6	122.0
39	57.2	27.8	83.3





#47

n-amvl Acetate

Concen: 34.872 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX014797.D

Acq: 03 Feb 2020 16:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 500069

Ion Ratio Lower Upper

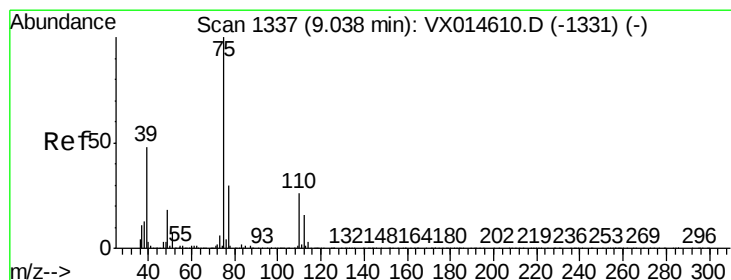
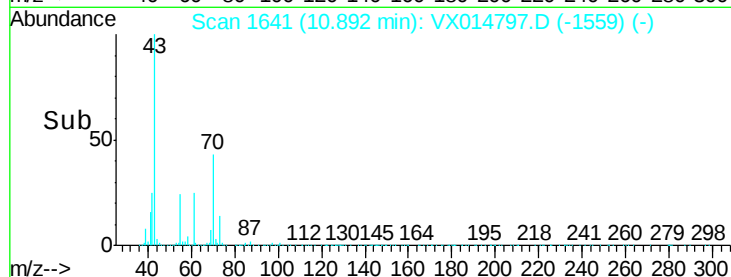
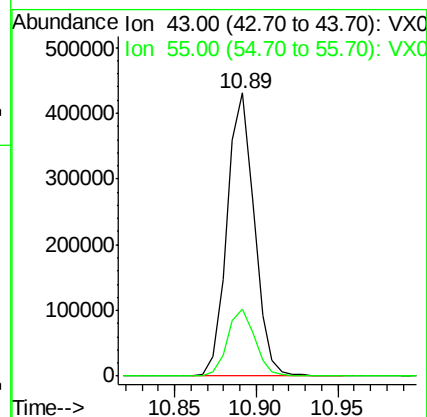
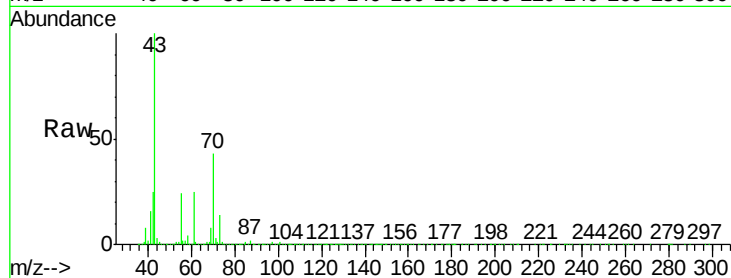
43 100

55 24.1 19.4 29.2

Manual Integrations
APPROVED

MMDadoda

2/4/2020 3:32:27 PM



#48

t-1,3-Dichloropropene

Concen: 35.384 ug/l

RT: 9.03 min Scan# 1336

Delta R.T. -0.01 min

Lab File: VX014797.D

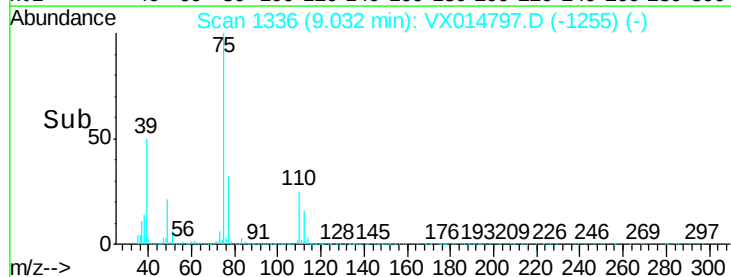
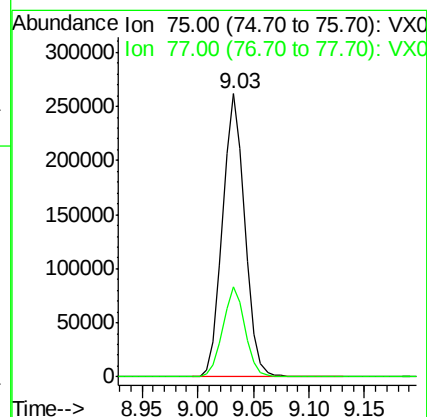
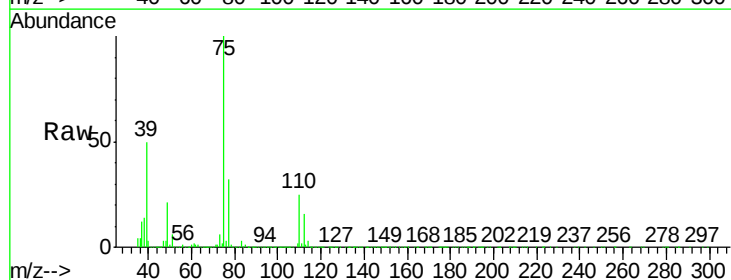
Acq: 03 Feb 2020 16:55

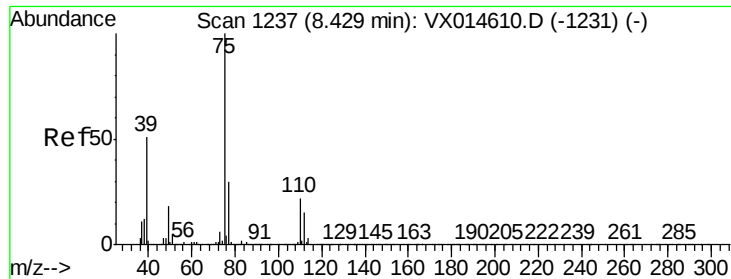
Tgt Ion: 75 Resp: 361430

Ion Ratio Lower Upper

75 100

77 31.6 26.0 39.0





#49

cis-1,3-Dichloropropene

Concen: 34.384 ug/l

RT: 8.42 min Scan# 1236

Delta R.T. -0.01 min

Lab File: VX014797.D

Acq: 03 Feb 2020 16:55

Instrument :

MSVOA_X

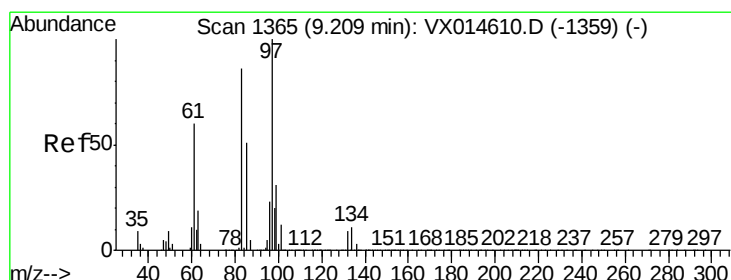
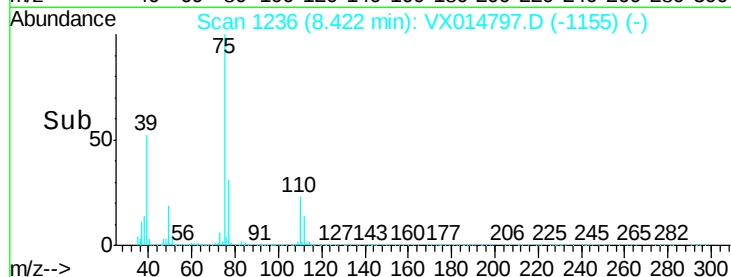
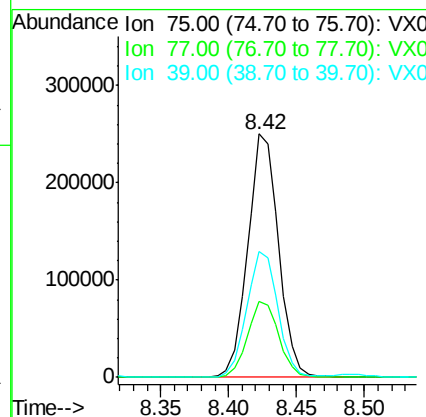
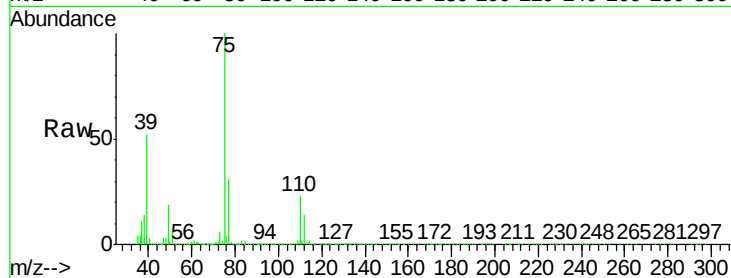
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	395736
Ion Ratio		Lower	Upper
75	100		
77	31.0	24.8	37.2
39	51.5	41.1	61.7

Manual Integrations
APPROVED

MMDadoda
2/4/2020 3:32:27 PM



#50

1,1,2-Trichloroethane

Concen: 33.478 ug/l

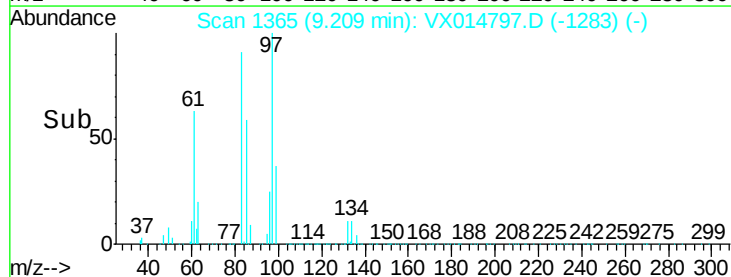
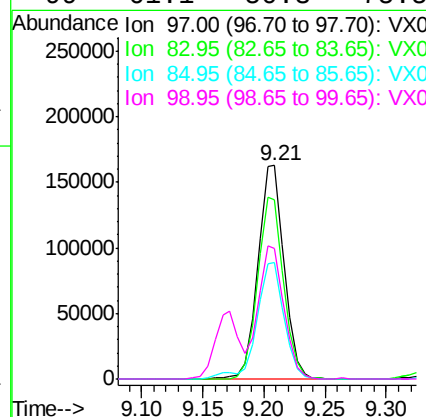
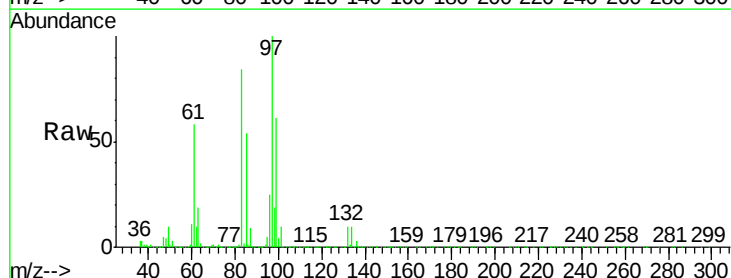
RT: 9.21 min Scan# 1365

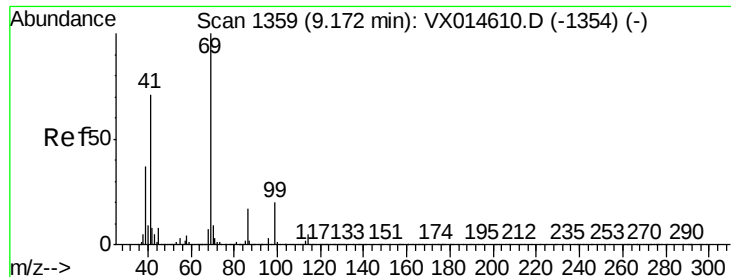
Delta R.T. 0.00 min

Lab File: VX014797.D

Acq: 03 Feb 2020 16:55

Tgt Ion:	97	Resp:	243380
Ion Ratio		Lower	Upper
97	100		
83	83.7	68.1	102.1
85	54.2	42.7	64.1
99	61.1	50.3	75.5





#51

Ethyl methacrylate

Concen: 33.811 ug/l

RT: 9.17 min Scan# 1358

Delta R.T. -0.01 min

Lab File: VX014797.D

Acq: 03 Feb 2020 16:55

Instrument :

MSVOA_X

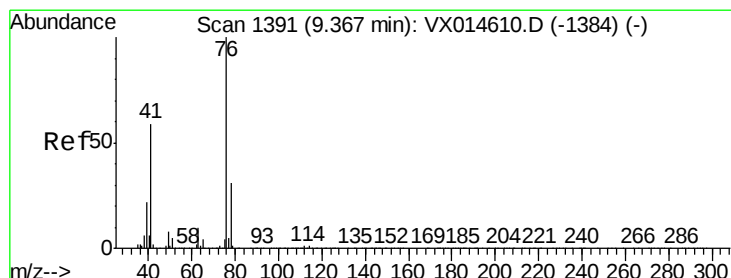
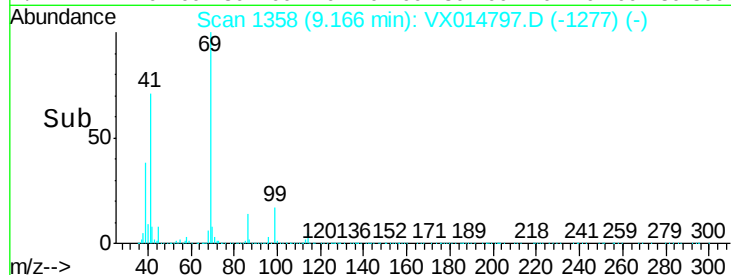
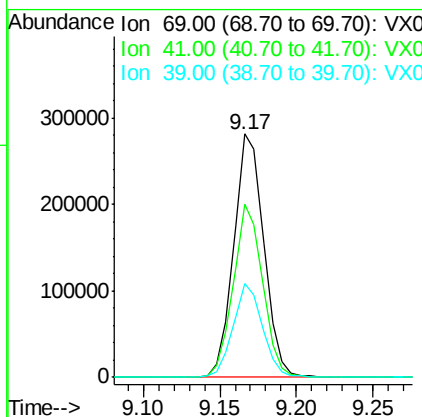
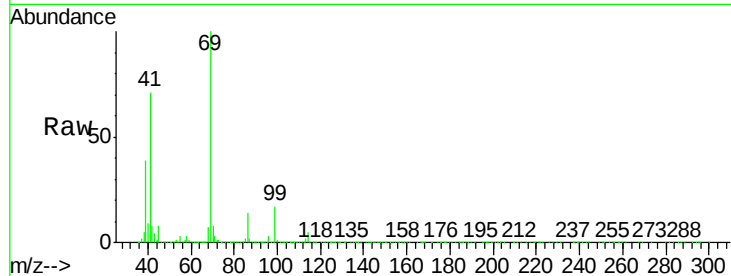
ClientSampleId :

VSTDCCC050EC

Tot Ion:	69	Resp:	382717
Ion Ratio	Lower	Upper	
69	100		
41	71.1	35.4	106.1
39	38.5	17.8	53.3

Manual Integrations
APPROVED

MMDadoda
2/4/2020 3:32:27 PM



#52

1,3-Dichloropropane

Concen: 33.300 ug/l

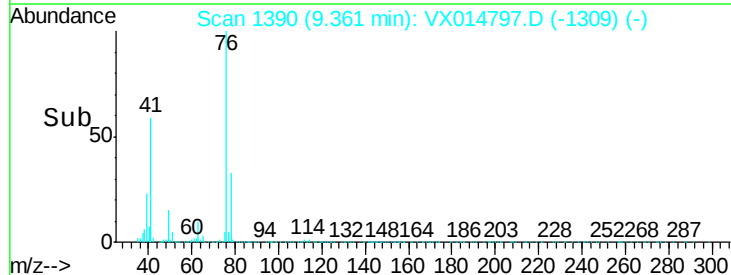
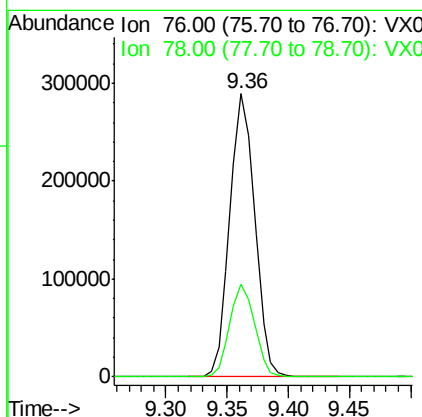
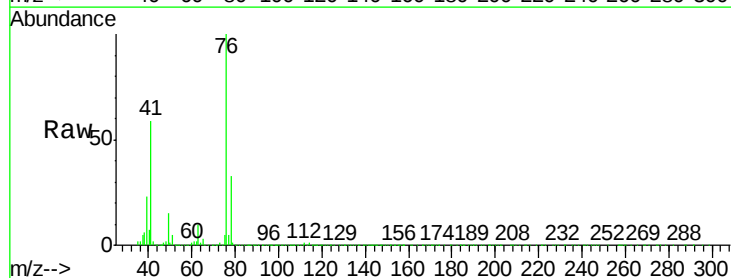
RT: 9.36 min Scan# 1390

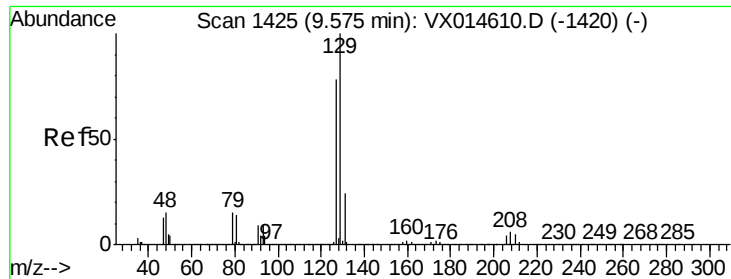
Delta R.T. -0.01 min

Lab File: VX014797.D

Acq: 03 Feb 2020 16:55

Tgt Ion:	76	Resp:	410168
Ion Ratio	Lower	Upper	
76	100		
78	32.3	0.0	63.4





#53

Dibromochloromethane

Concen: 35.367 ug/l

RT: 9.57 min Scan# 1425

Delta R.T. 0.00 min

Lab File: VX014797.D

Acq: 03 Feb 2020 16:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:129 Resp: 262989

Ion Ratio Lower Upper

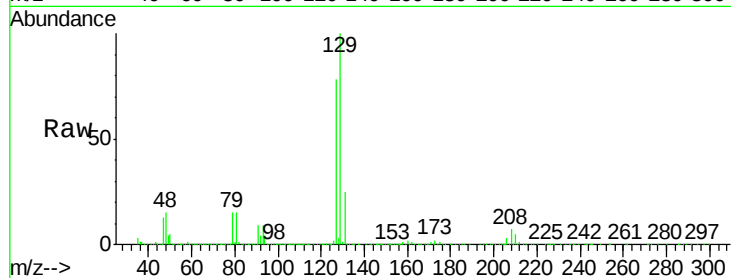
129 100

127 77.0 39.1 117.5

Manual Integrations
APPROVED

MMDadoda

2/4/2020 3:32:27 PM



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

9.57

200000

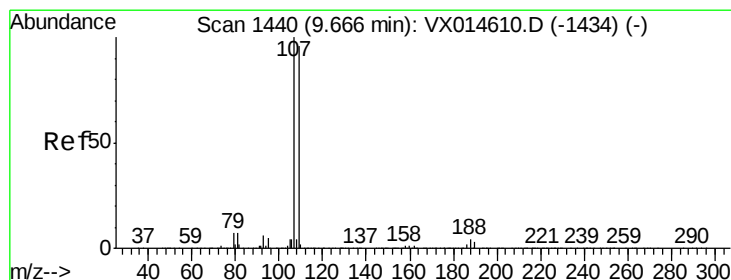
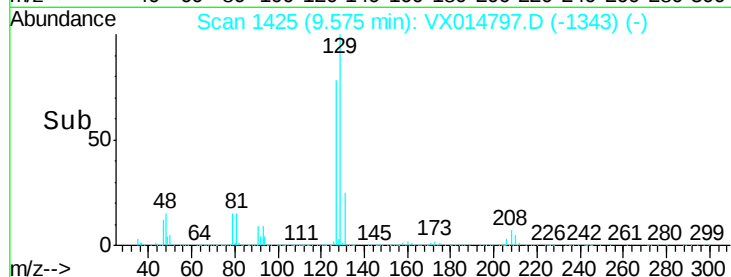
150000

100000

50000

0

Time--> 9.50 9.55 9.60 9.65



#54

1,2-Dibromoethane

Concen: 33.287 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX014797.D

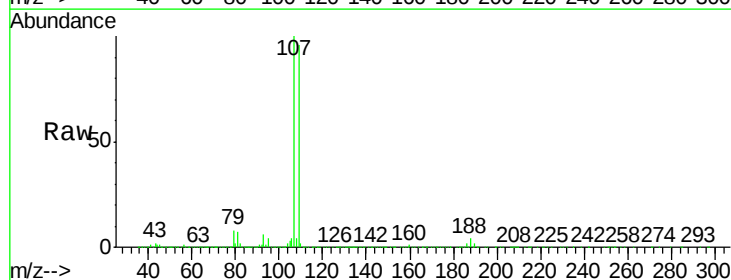
Acq: 03 Feb 2020 16:55

Tgt Ion:107 Resp: 250976

Ion Ratio Lower Upper

107 100

109 94.7 77.2 115.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

9.67

200000

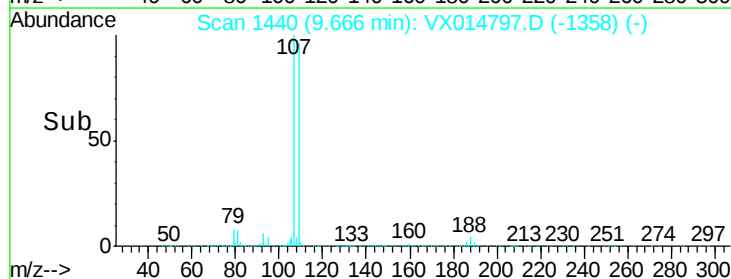
150000

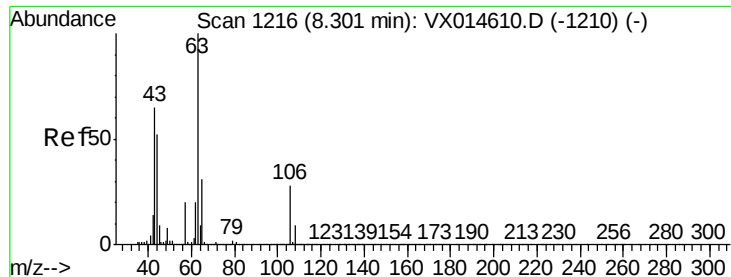
100000

50000

0

Time--> 9.60 9.65 9.70 9.75





#55

2-Chloroethyl vinyl ether

Concen: 126.460 ug/l

RT: 8.30 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VX014797.D

Acq: 03 Feb 2020 16:55

Instrument :

MSVOA_X

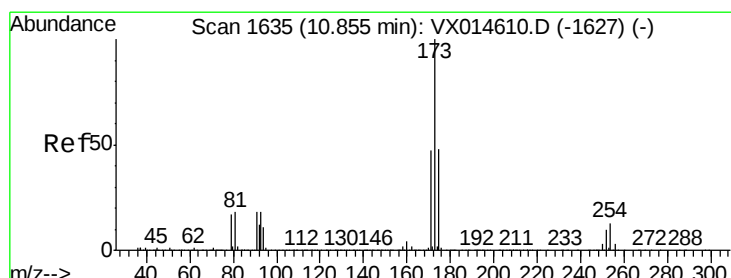
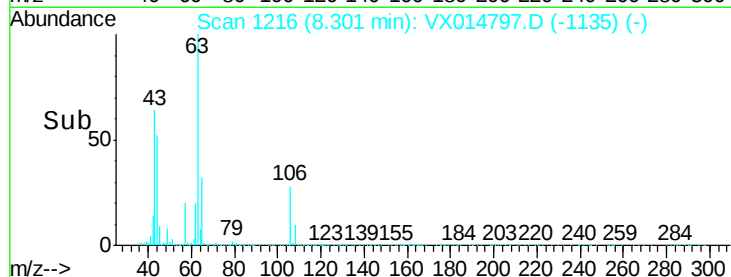
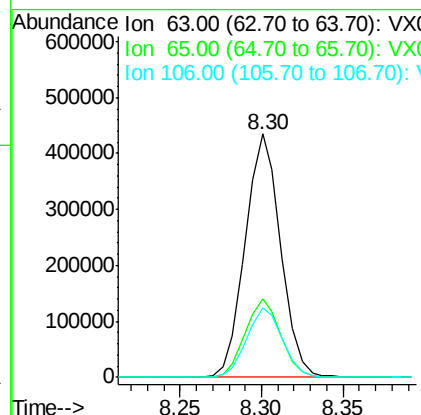
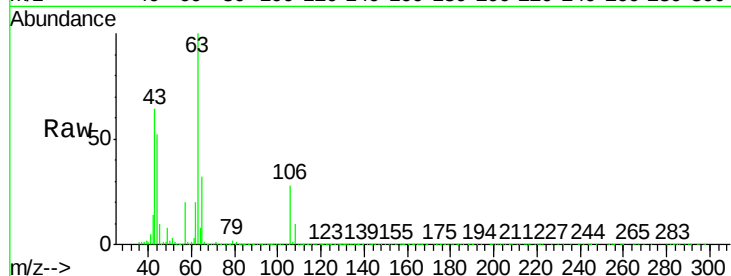
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.3	25.8	38.6
106	28.7	22.9	34.3

Manual Integrations
APPROVED

MMDadoda
2/4/2020 3:32:27 PM



#56

Bromoform

Concen: 35.755 ug/l

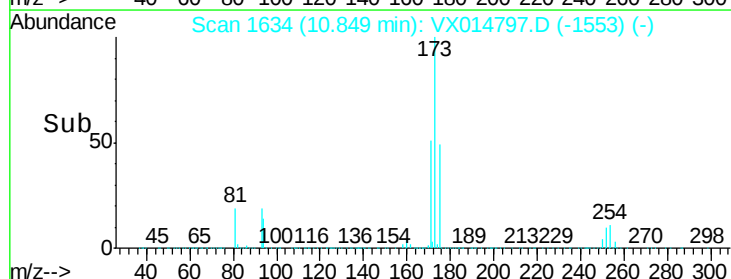
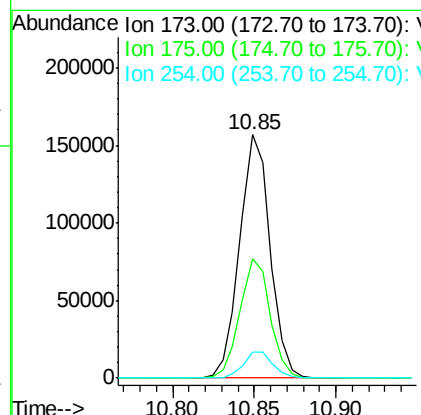
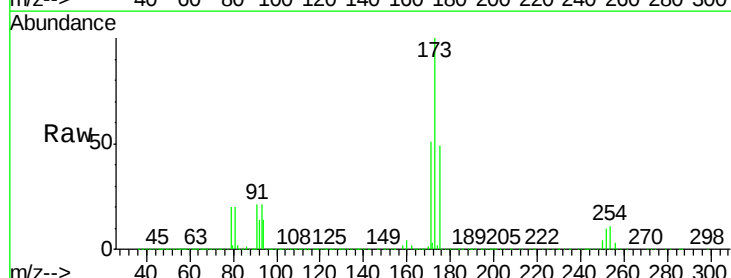
RT: 10.85 min Scan# 1634

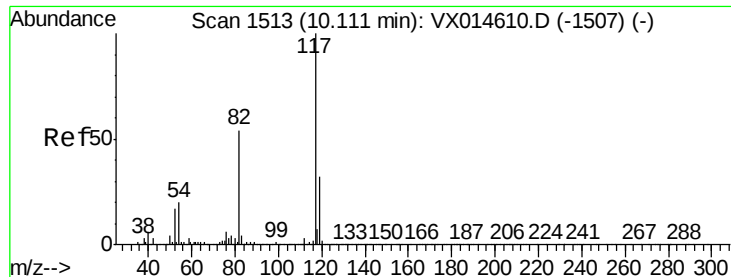
Delta R.T. -0.01 min

Lab File: VX014797.D

Acq: 03 Feb 2020 16:55

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.9	39.5	59.3
254	10.6	8.2	12.4





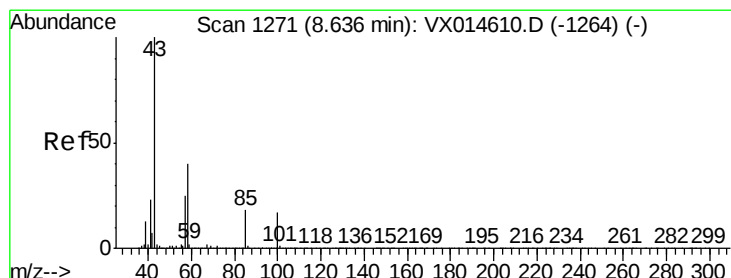
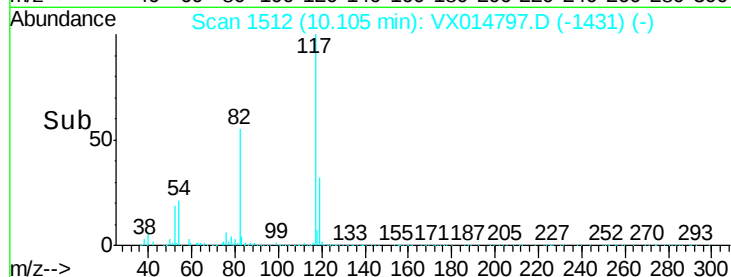
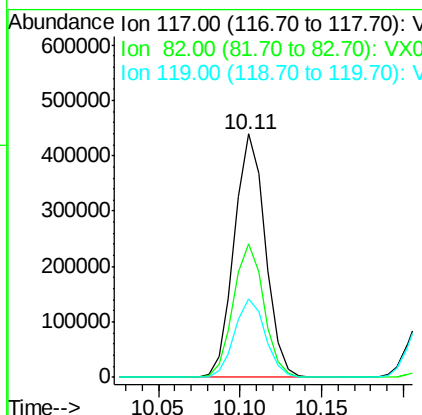
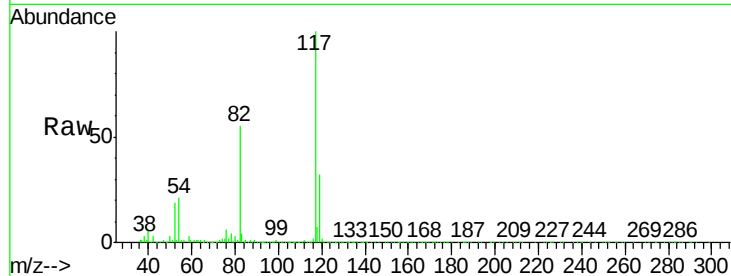
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX014797.D
Acq: 03 Feb 2020 16:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.1	43.8	65.6
119	32.0	25.8	38.6

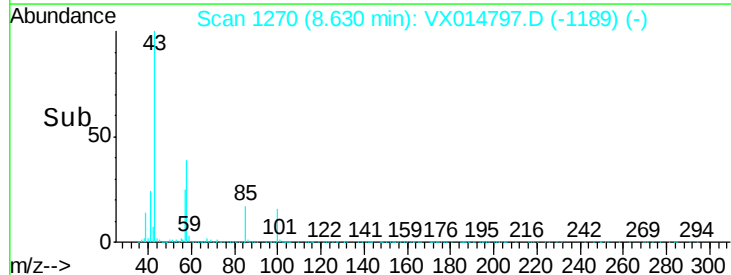
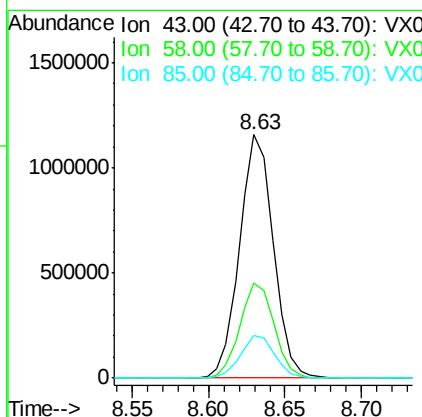
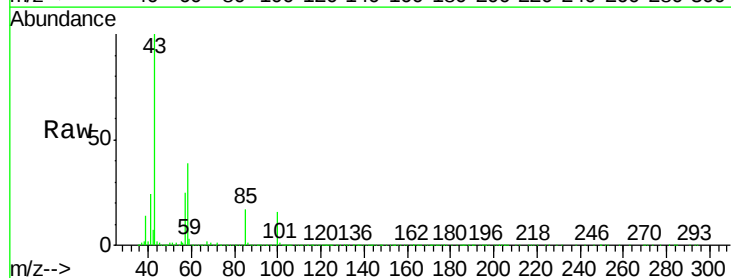
Manual Integrations
APPROVED

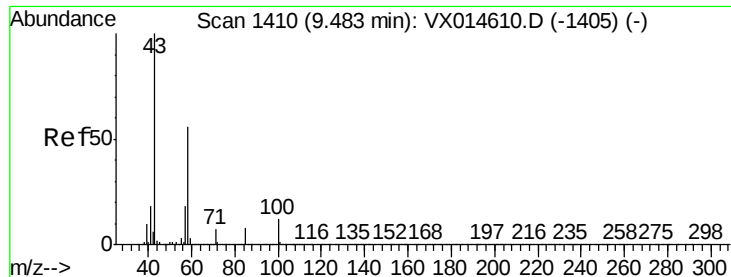
MMDadoda
2/4/2020 3:32:27 PM



#58
4-Methyl-2-Pentanone
Concen: 162.165 ug/l
RT: 8.63 min Scan# 1270
Delta R.T. -0.01 min
Lab File: VX014797.D
Acq: 03 Feb 2020 16:55

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.5	31.2	46.8
85	17.6	14.2	21.2





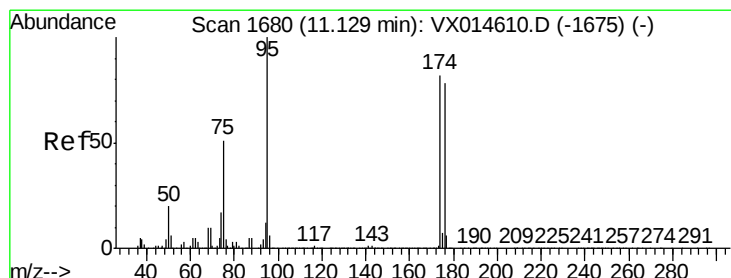
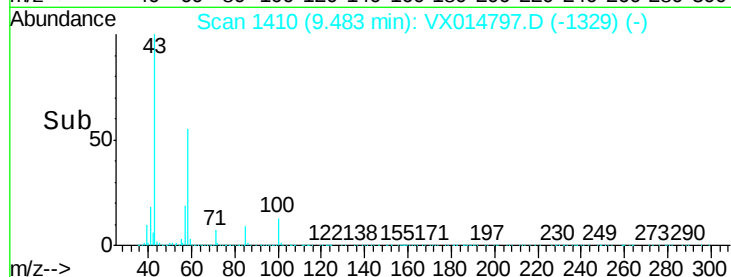
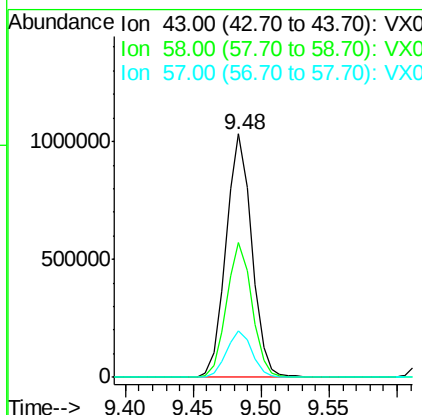
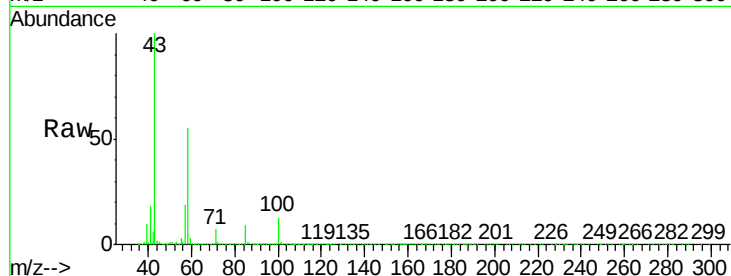
#59
2-Hexanone
Concen: 160.222 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.01 min
Lab File: VX014797.D
Acq: 03 Feb 2020 16:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1356959
Ion Ratio Lower Upper
43 100
58 55.1 43.8 65.6
57 18.9 15.4 23.0

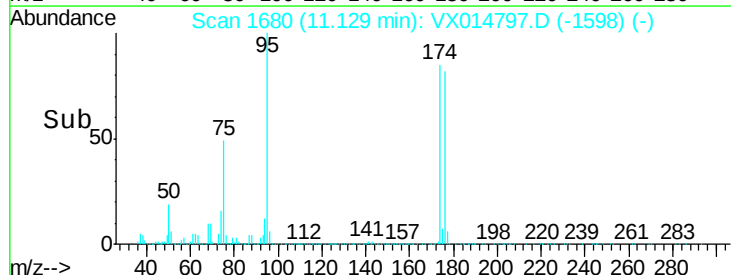
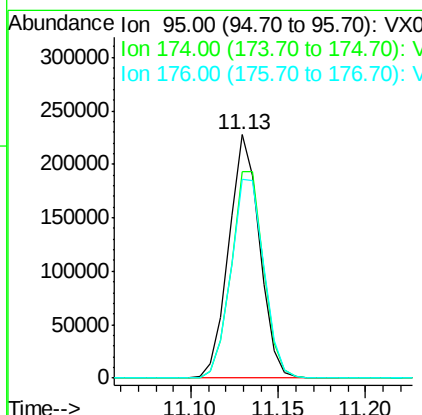
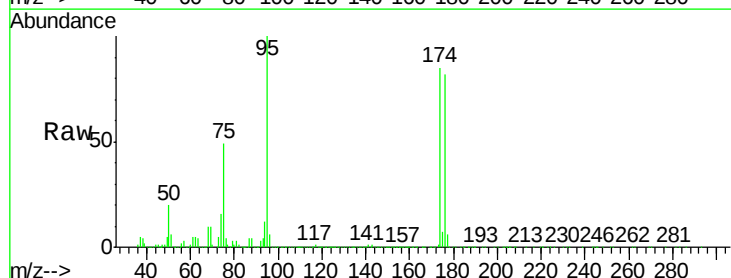
Manual Integrations
APPROVED

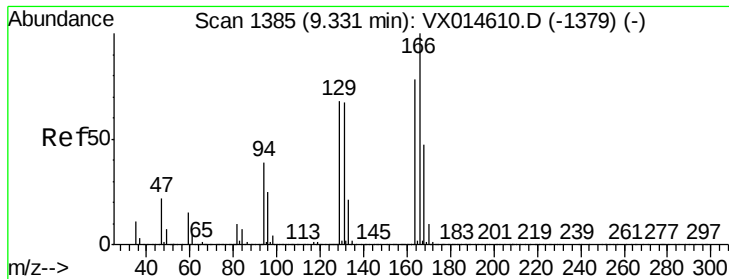
MMDadoda
2/4/2020 3:32:27 PM



#60
4-Bromofluorobenzene
Concen: 29.952 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VX014797.D
Acq: 03 Feb 2020 16:55

Tgt Ion: 95 Resp: 278717
Ion Ratio Lower Upper
95 100
174 89.2 70.2 105.2
176 87.4 68.3 102.5





#61

Tetrachloroethene

Concen: 31.892 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VX014797.D

Acq: 03 Feb 2020 16:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:164 Resp: 274116

Ion Ratio Lower Upper

164 100

166 125.6 104.2 156.2

129 86.4 71.6 107.4

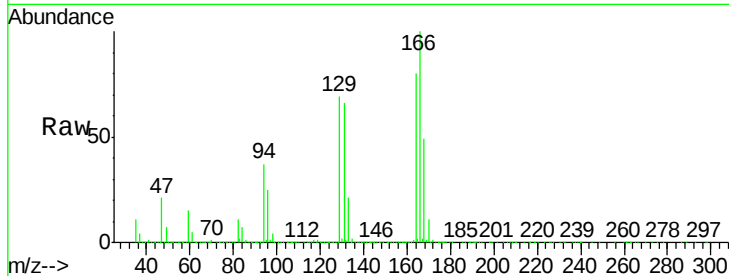
131 82.6 71.7 107.5

Manual Integrations

APPROVED

MMDadoda

2/4/2020 3:32:27 PM

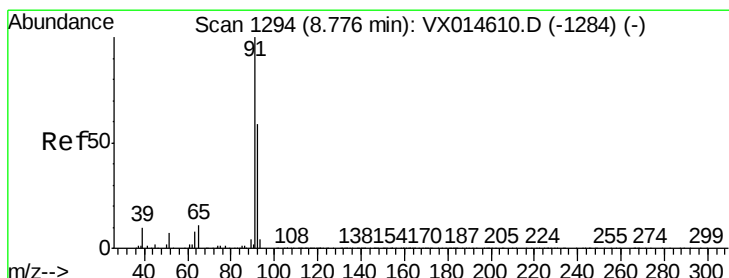
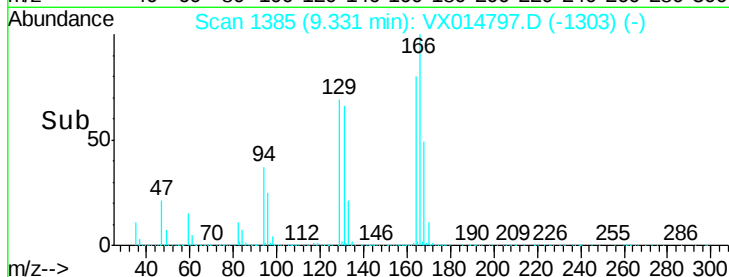
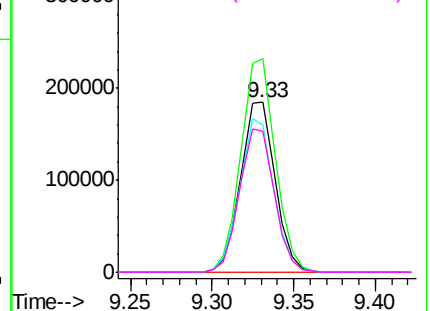


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 32.993 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.01 min

Lab File: VX014797.D

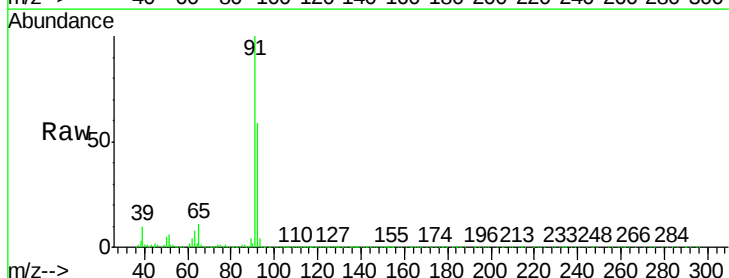
Acq: 03 Feb 2020 16:55

Tgt Ion: 91 Resp: 1017911

Ion Ratio Lower Upper

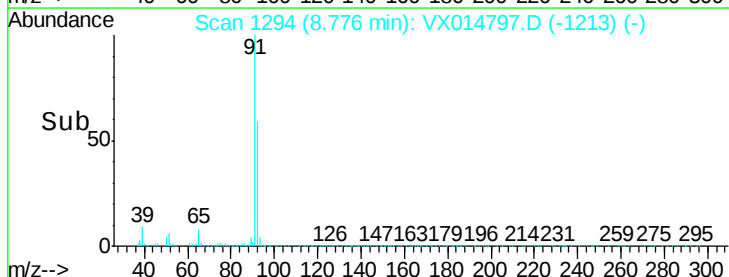
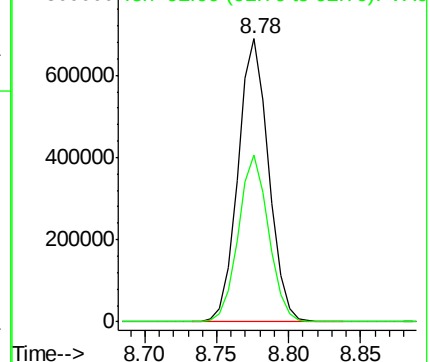
91 100

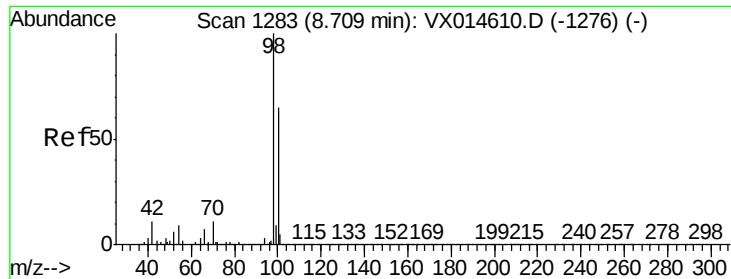
92 58.2 46.4 69.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





#63

Toluene-d8

Concen: 29.164 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014797.D

Acq: 03 Feb 2020 16:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 98 Resp: 766051

Ion Ratio Lower Upper

98 100

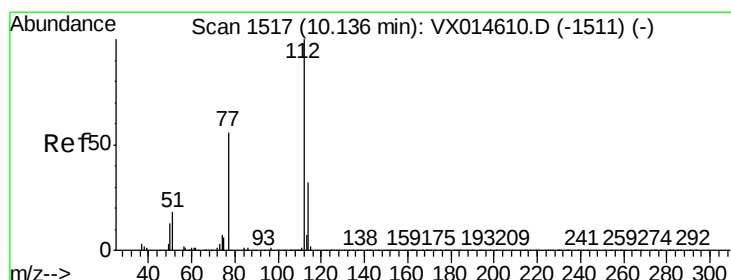
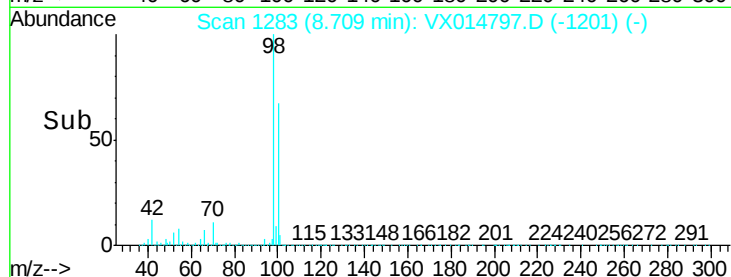
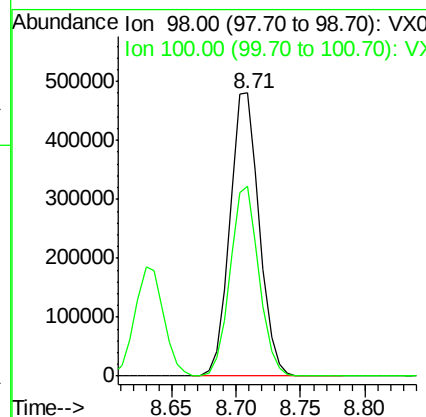
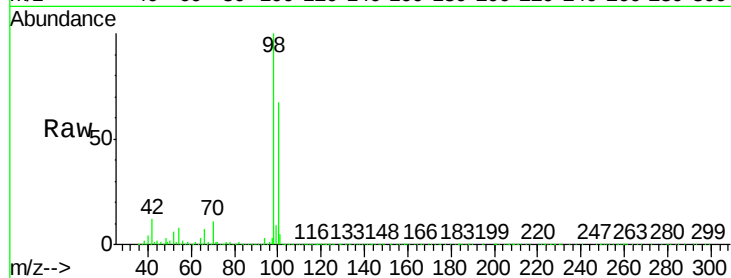
100 65.8 52.2 78.2

Manual Integrations

APPROVED

MMDadoda

2/4/2020 3:32:27 PM



#64

Chlorobenzene

Concen: 33.567 ug/l

RT: 10.13 min Scan# 1516

Delta R.T. -0.01 min

Lab File: VX014797.D

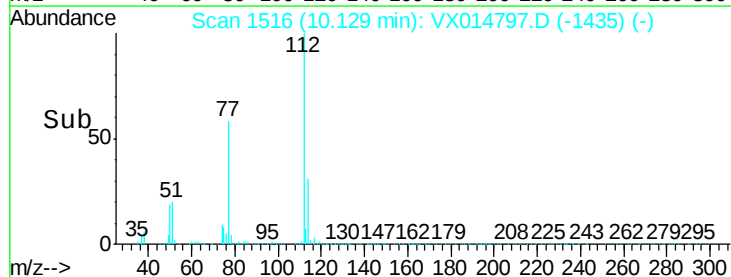
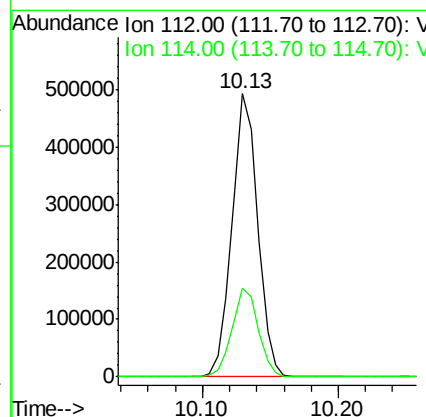
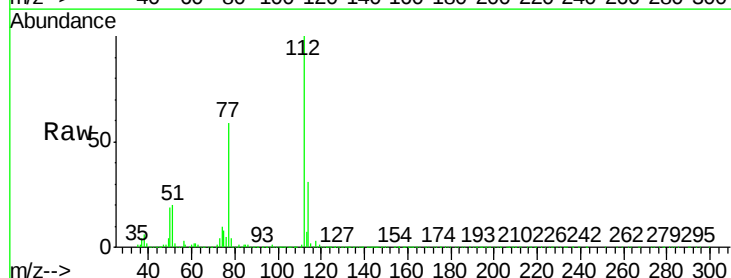
Acq: 03 Feb 2020 16:55

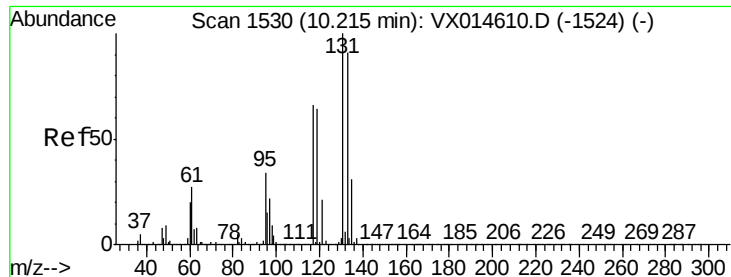
Tgt Ion: 112 Resp: 646492

Ion Ratio Lower Upper

112 100

114 31.2 24.4 36.6





#65

1,1,1,2-Tetrachloroethane

Concen: 34.070 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VX014797.D

Acq: 03 Feb 2020 16:55

Instrument :

MSVOA_X

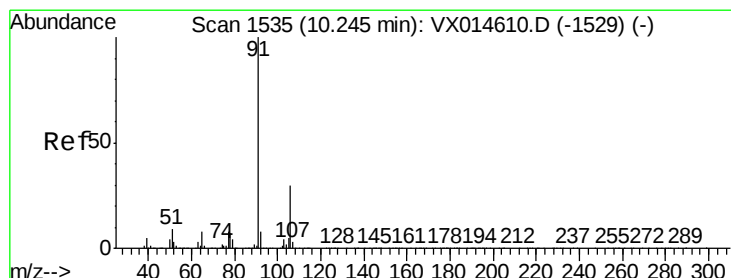
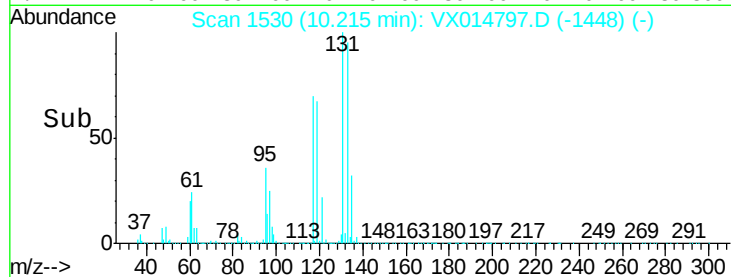
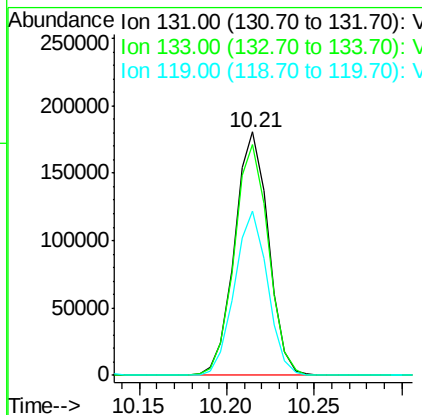
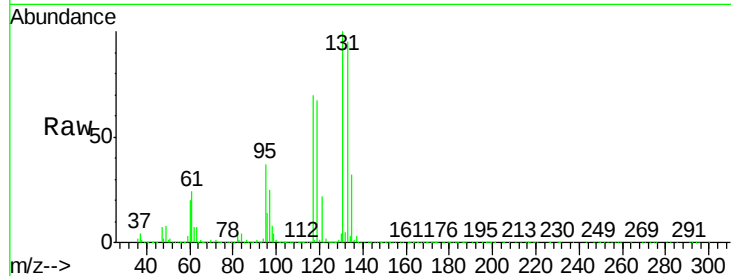
ClientSampleId :

VSTDCCC050EC

Tot Ion:	131	Resp:	242348
Ion Ratio	Lower	Upper	
131	100		
133	95.6	0.0	189.8
119	66.0	0.0	132.2

Manual Integrations
APPROVED

MMDadoda
2/4/2020 3:32:27 PM



#66

Ethyl Benzene

Concen: 34.209 ug/l

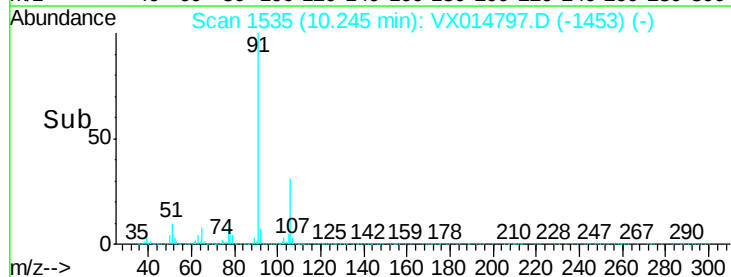
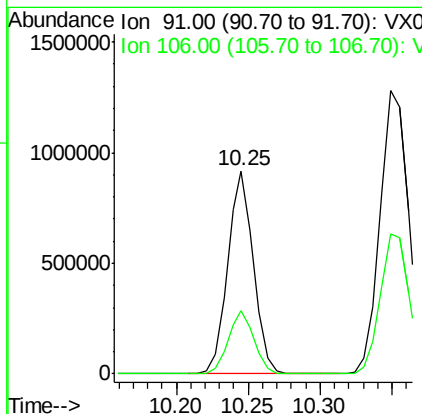
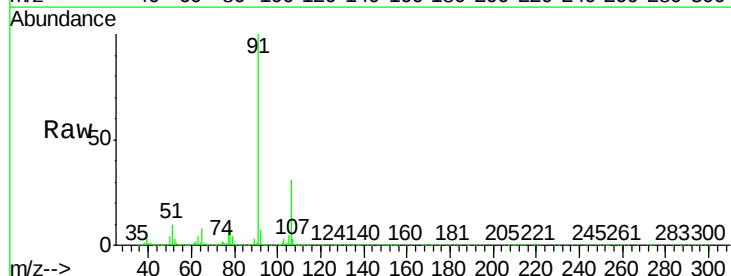
RT: 10.25 min Scan# 1535

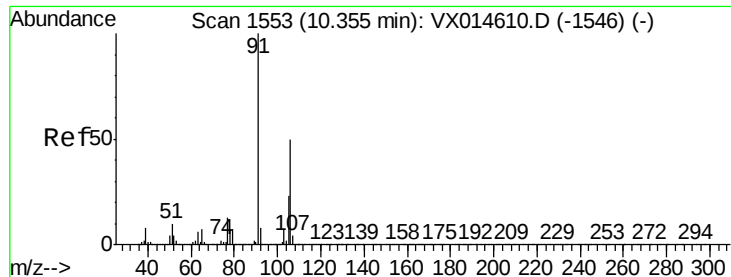
Delta R.T. 0.00 min

Lab File: VX014797.D

Acq: 03 Feb 2020 16:55

Tgt Ion:	91	Resp:	1149590
Ion Ratio	Lower	Upper	
91	100		
106	30.8	24.2	36.2





#67

m/p-Xvlenes

Concen: 67.818 ug/l

RT: 10.35 min Scan# 1552

Delta R.T. -0.01 min

Lab File: VX014797.D

Acq: 03 Feb 2020 16:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:106 Resp: 872949

Ion Ratio Lower Upper

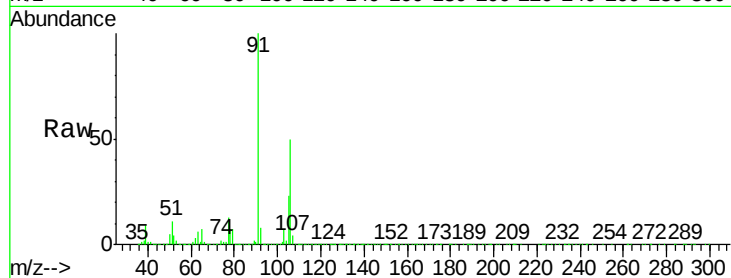
106 100

91 200.3 159.3 238.9

Manual Integrations
APPROVED

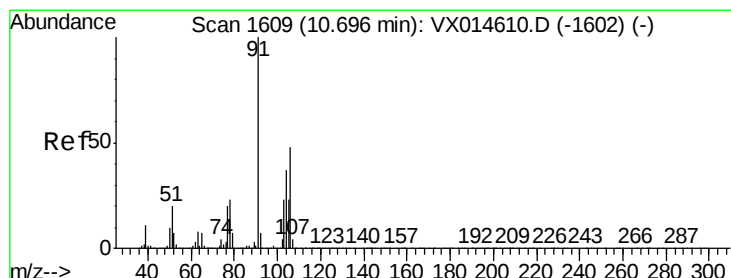
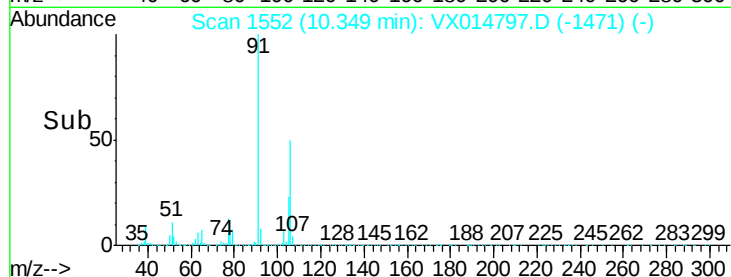
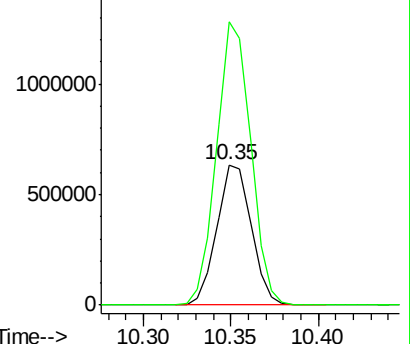
MMDadoda

2/4/2020 3:32:27 PM



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#68

o-Xylene

Concen: 33.664 ug/l

RT: 10.69 min Scan# 1608

Delta R.T. -0.01 min

Lab File: VX014797.D

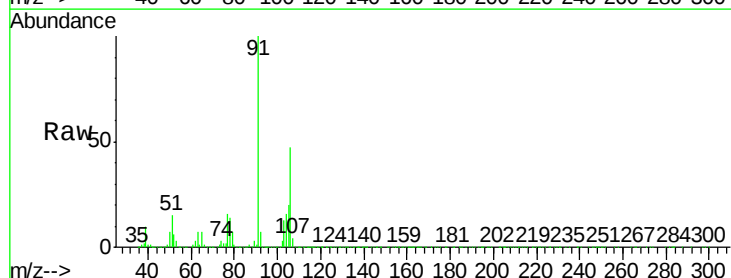
Acq: 03 Feb 2020 16:55

Tgt Ion:106 Resp: 421960

Ion Ratio Lower Upper

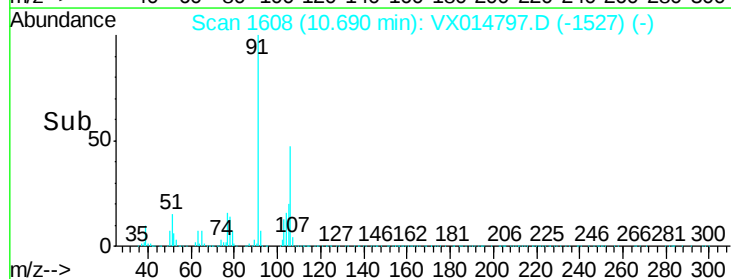
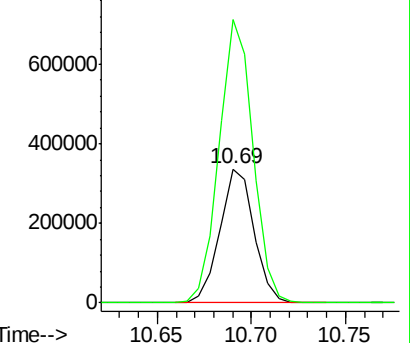
106 100

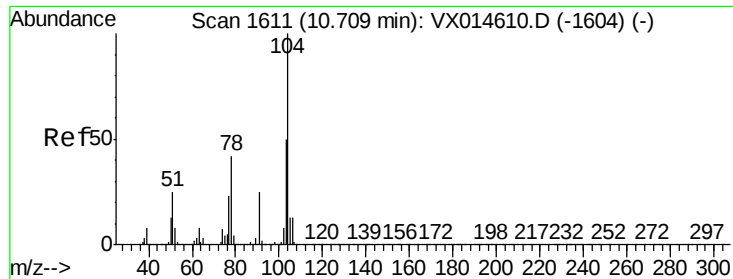
91 209.8 104.8 314.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





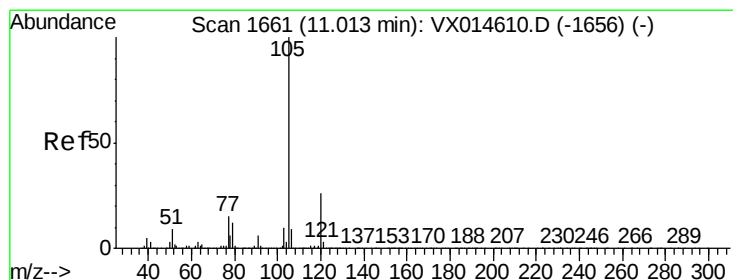
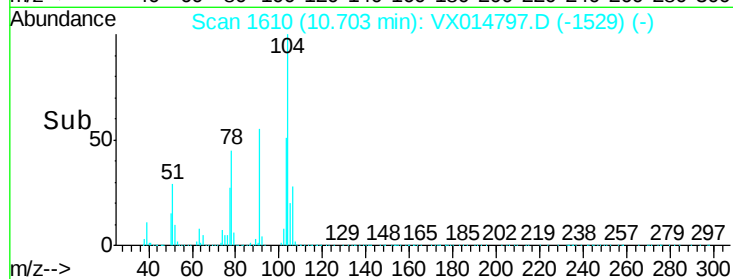
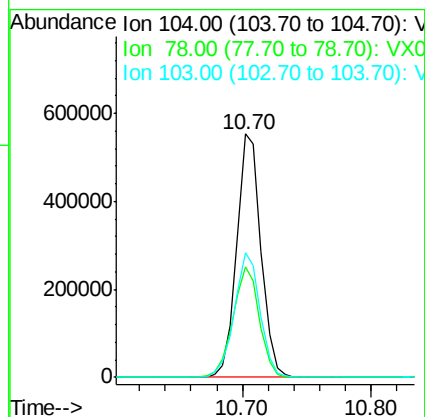
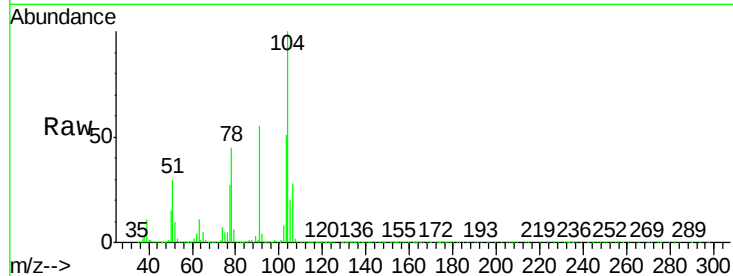
#69
Stvrene
Concen: 34.150 ug/l
RT: 10.70 min Scan# 1610
Delta R.T. -0.01 min
Lab File: VX014797.D
Acq: 03 Feb 2020 16:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
104	100	725245		
78	49.3		38.9	58.3
103	54.4		44.2	66.2

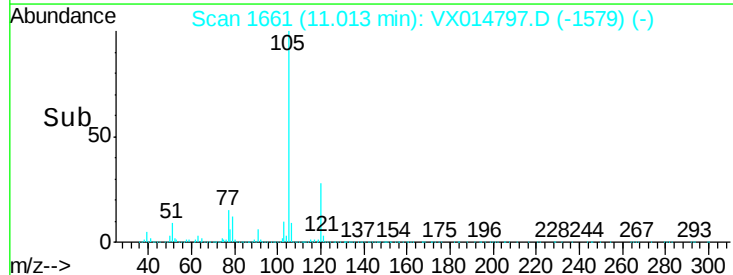
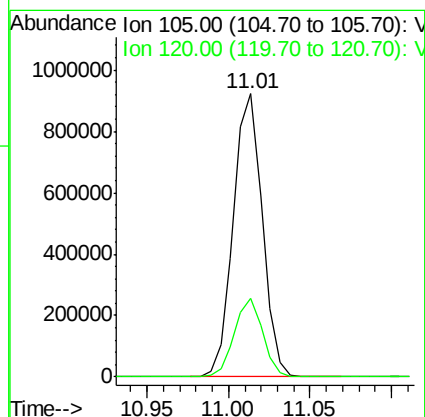
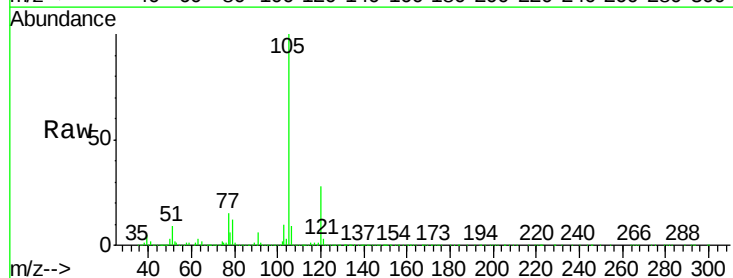
Manual Integrations
APPROVED

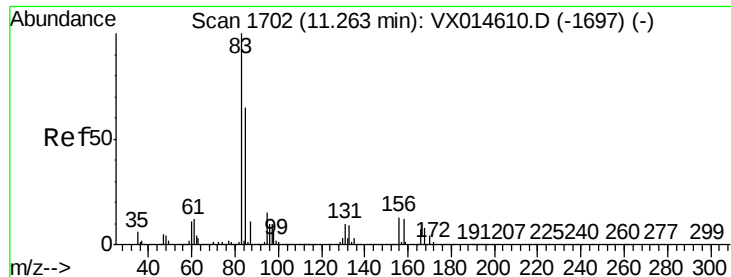
MMDadoda
2/4/2020 3:32:27 PM



#70
Isopropylbenzene
Concen: 34.639 ug/l
RT: 11.01 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX014797.D
Acq: 03 Feb 2020 16:55

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	1137433		
120	27.1		19.1	35.5





#71

1,1,2,2-Tetrachloroethane

Concen: 32.881 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX014797.D

Acq: 03 Feb 2020 16:55

Instrument :

MSVOA_X

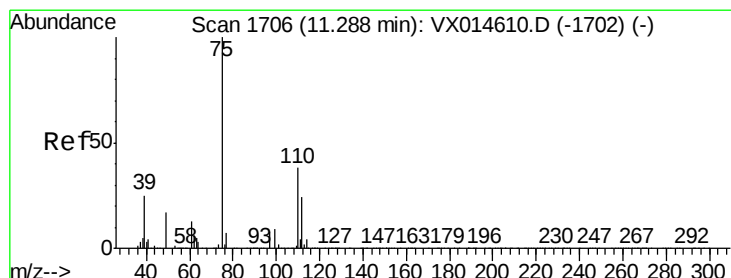
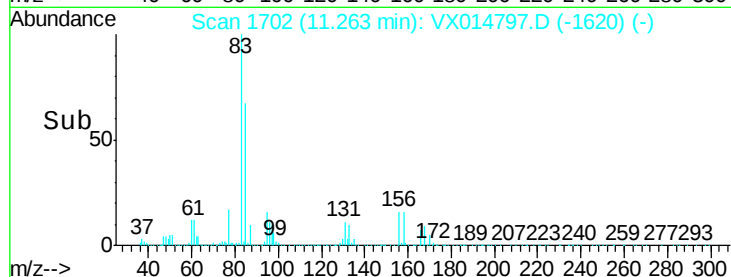
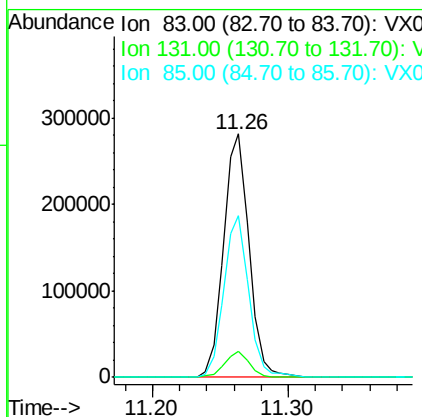
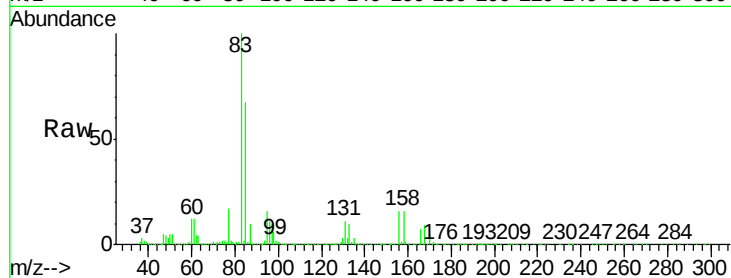
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	363705
Ion Ratio		Lower	Upper
83	100		
131	10.4	4.9	14.7
85	65.4	31.6	94.7

Manual Integrations
APPROVED

MMDadoda
2/4/2020 3:32:27 PM



#72

1,2,3-Trichloropropane

Concen: 33.493 ug/l m

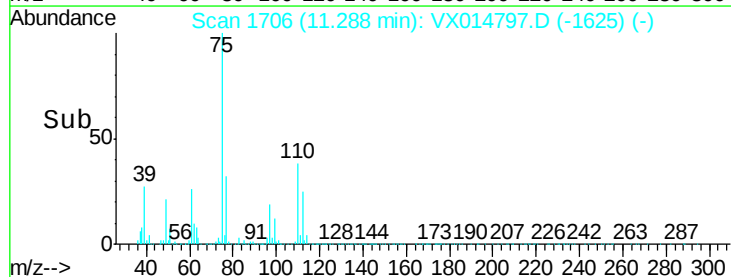
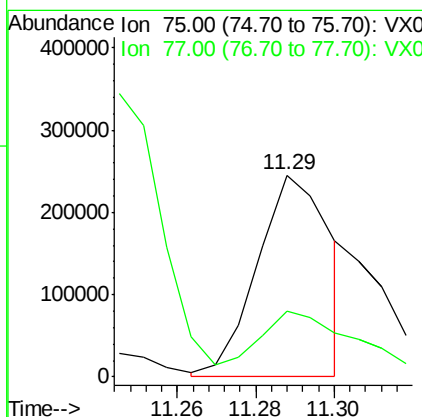
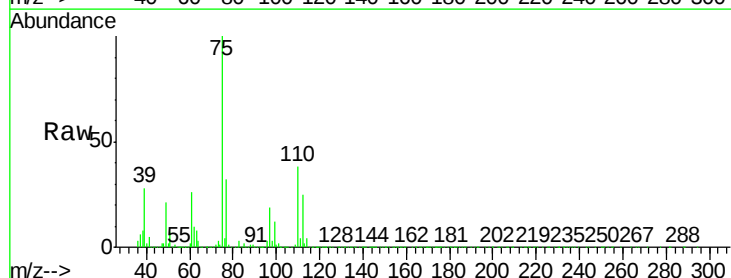
RT: 11.29 min Scan# 1706

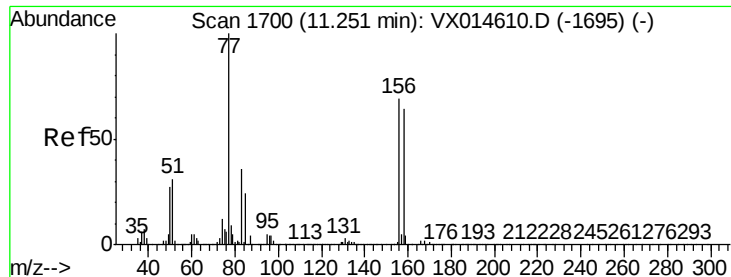
Delta R.T. -0.01 min

Lab File: VX014797.D

Acq: 03 Feb 2020 16:55

Tgt Ion:	75	Resp:	316894
Ion Ratio		Lower	Upper
75	100		
77	42.1	0.0	68.4





#73

Bromobenzene

Concen: 33.598 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX014797.D

Acq: 03 Feb 2020 16:55

Instrument :

MSVOA_X

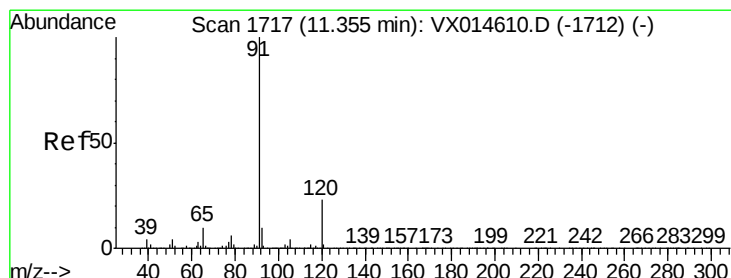
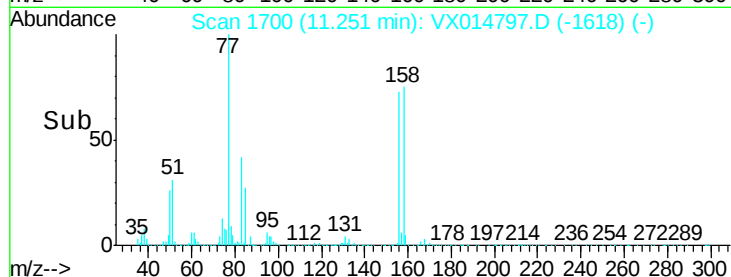
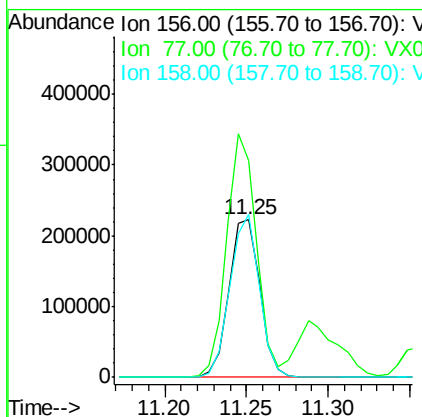
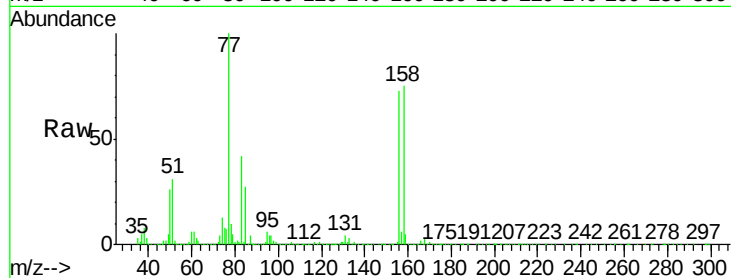
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	292458
Ion Ratio	Lower	Upper	
156	100		
77	148.7	0.0	304.6
158	98.3	0.0	195.2

Manual Integrations
APPROVED

MMDadoda
2/4/2020 3:32:27 PM



#74

n-propylbenzene

Concen: 35.142 ug/l

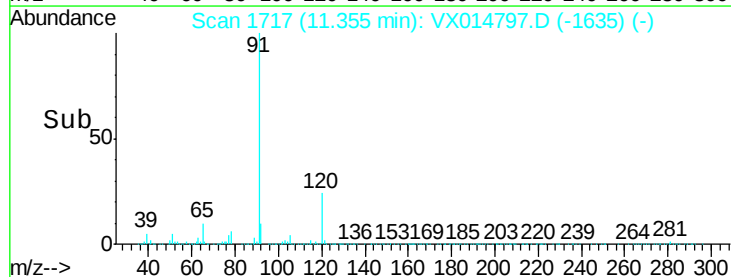
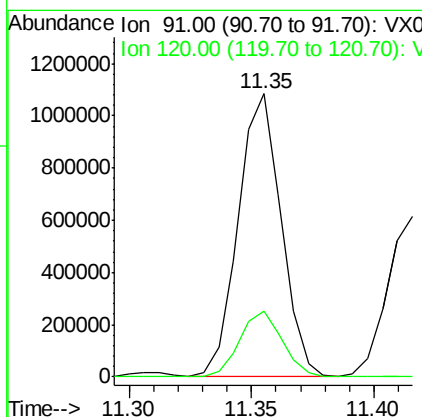
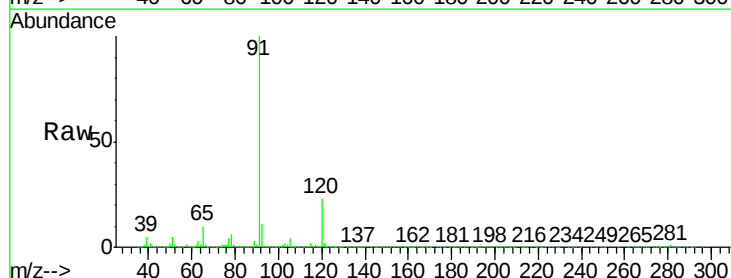
RT: 11.35 min Scan# 1717

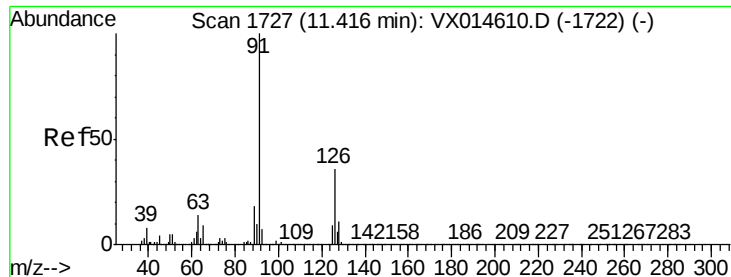
Delta R.T. 0.00 min

Lab File: VX014797.D

Acq: 03 Feb 2020 16:55

Tgt Ion:	91	Resp:	1318629
Ion Ratio	Lower	Upper	
91	100		
120	23.1	0.0	44.8





#75

2-Chlorotoluene

Concen: 33.890 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX014797.D

Acq: 03 Feb 2020 16:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 762126

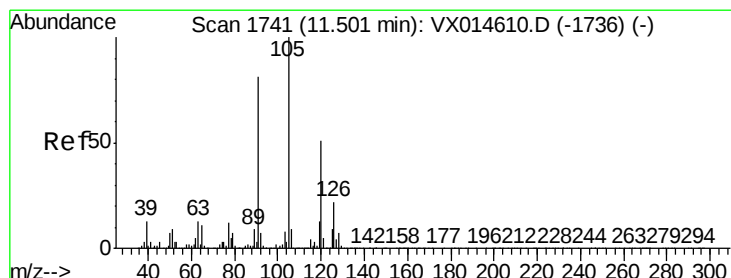
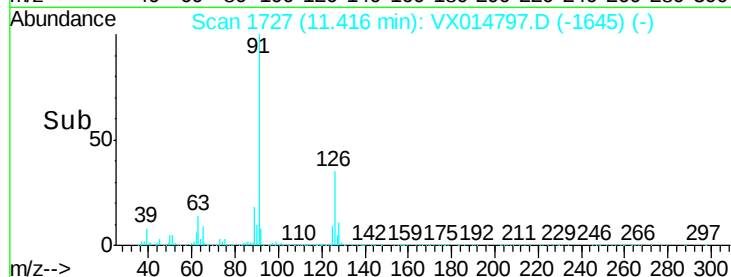
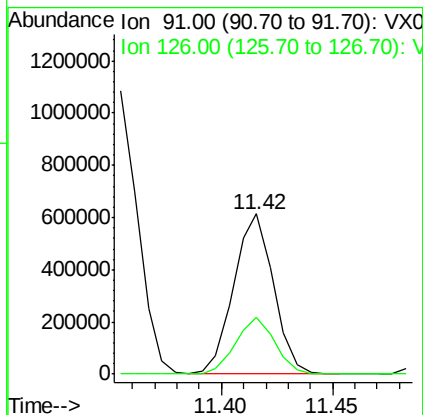
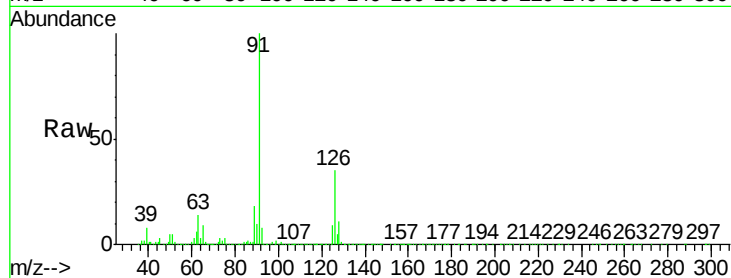
Ion Ratio Lower Upper

91 100

126 35.0 0.0 70.8

Manual Integrations
APPROVED

MMDadoda
2/4/2020 3:32:27 PM



#76

1,3,5-Trimethylbenzene

Concen: 35.066 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX014797.D

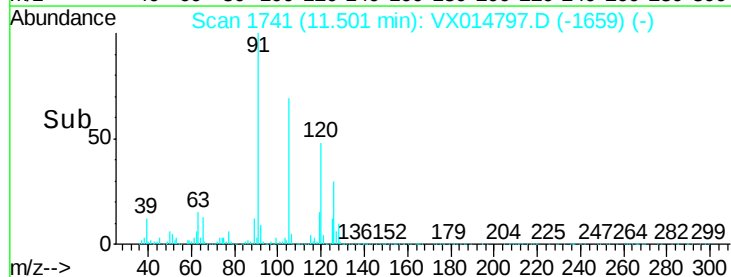
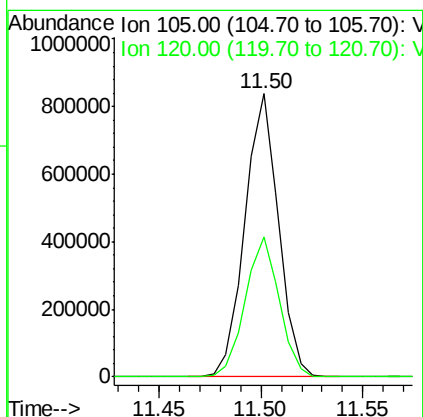
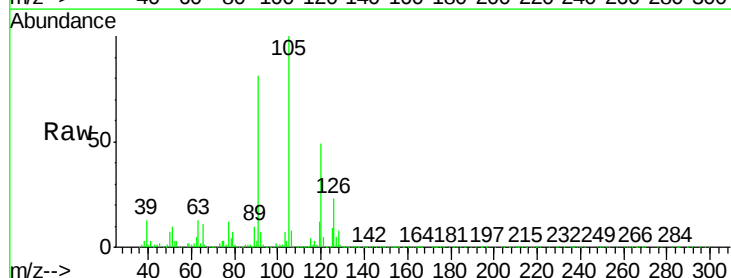
Acq: 03 Feb 2020 16:55

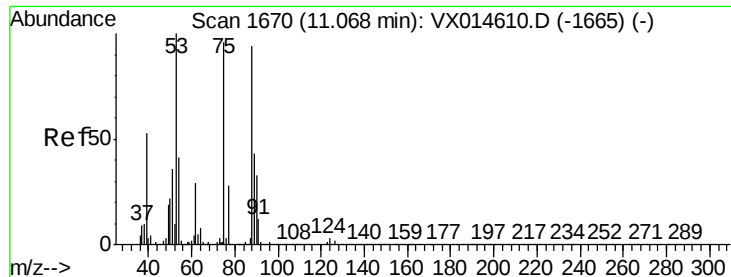
Tgt Ion: 105 Resp: 959462

Ion Ratio Lower Upper

105 100

120 49.6 0.0 100.6





#77

t-1,4-Dichloro-2-butene

Concen: 35.259 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VX014797.D

Acq: 03 Feb 2020 16:55

Instrument :

MSVOA_X

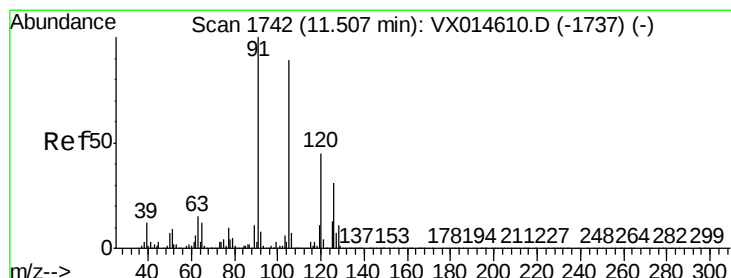
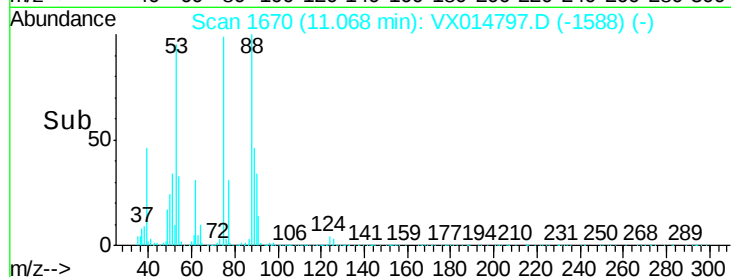
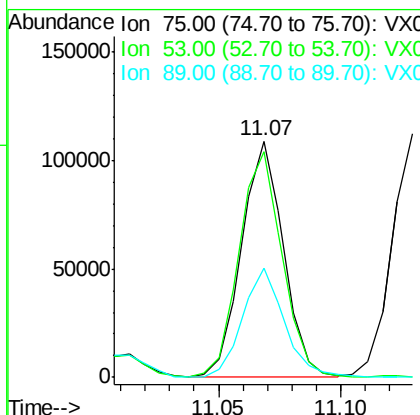
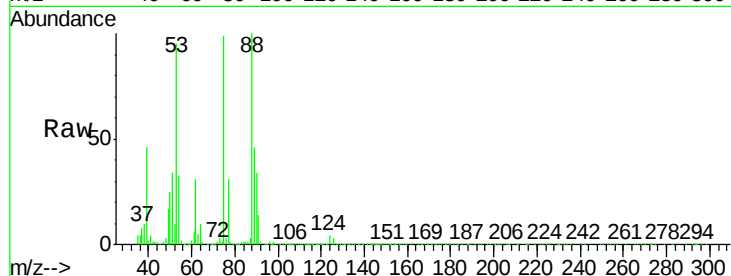
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	128392
Ion Ratio	Lower	Upper	
75	100		
53	95.2	54.4	163.1
89	46.0	21.9	65.5

Manual Integrations
APPROVED

MMDadoda
2/4/2020 3:32:27 PM



#78

4-Chlorotoluene

Concen: 34.420 ug/l

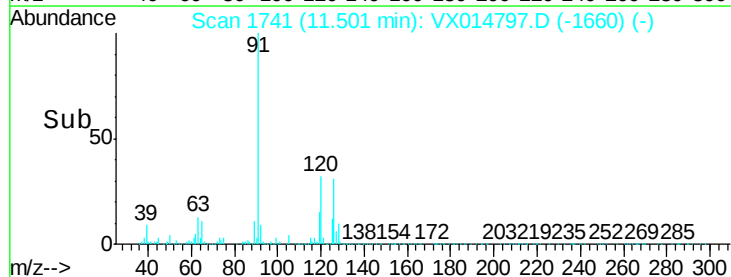
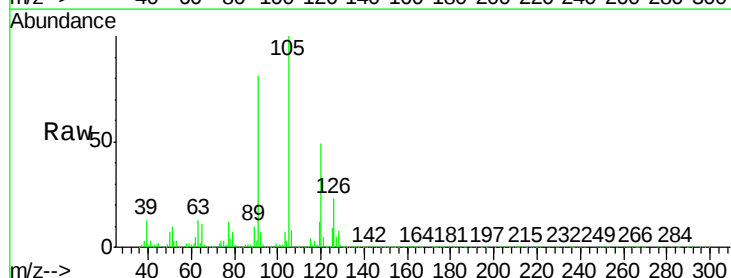
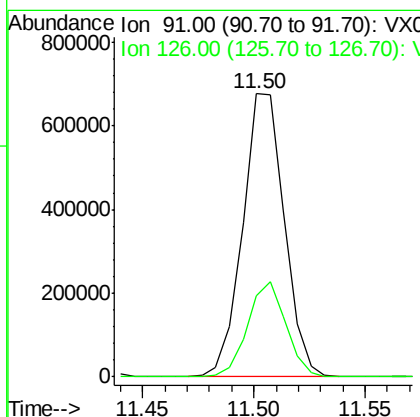
RT: 11.50 min Scan# 1741

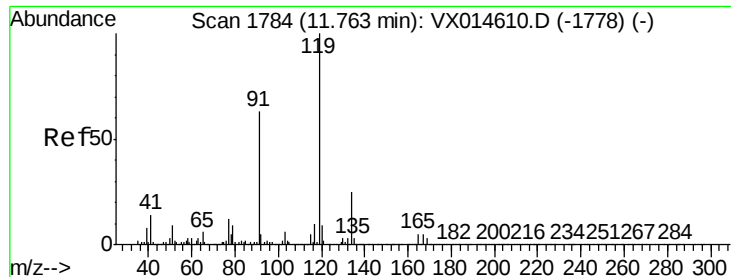
Delta R.T. -0.01 min

Lab File: VX014797.D

Acq: 03 Feb 2020 16:55

Tgt Ion:	91	Resp:	879064
Ion Ratio	Lower	Upper	
91	100		
126	31.1	0.0	59.6





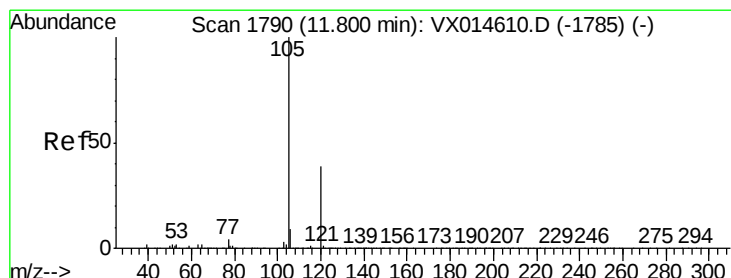
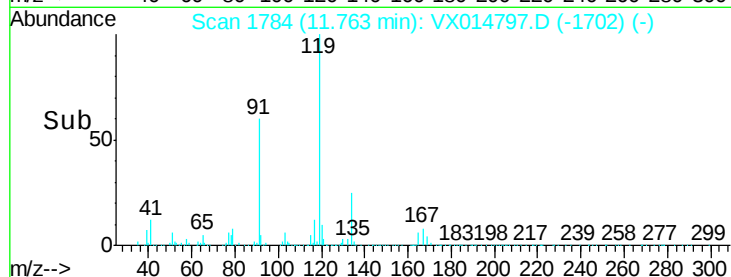
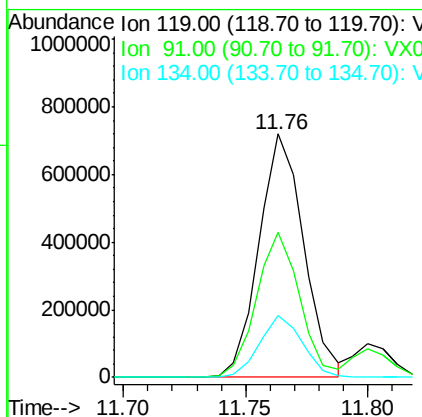
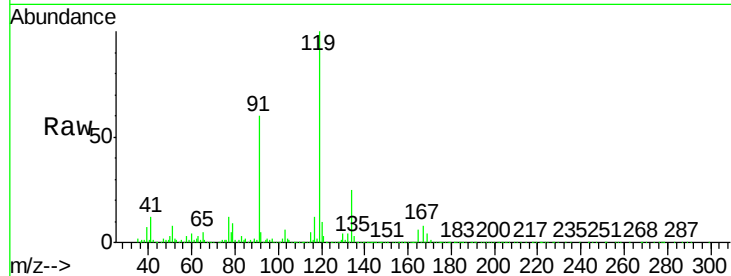
#79
tert-butylbenzene
Concen: 35.747 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. 0.00 min
Lab File: VX014797.D
Acq: 03 Feb 2020 16:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	915211		
91	57.7	0.0	112.6	
134	24.3	0.0	49.8	

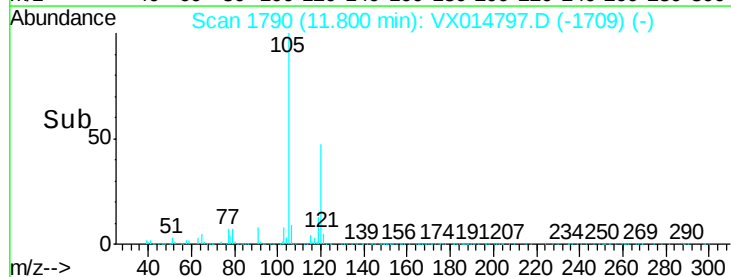
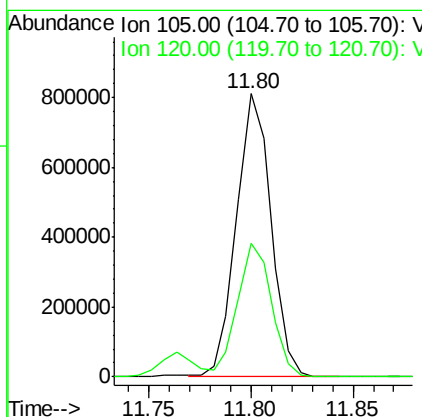
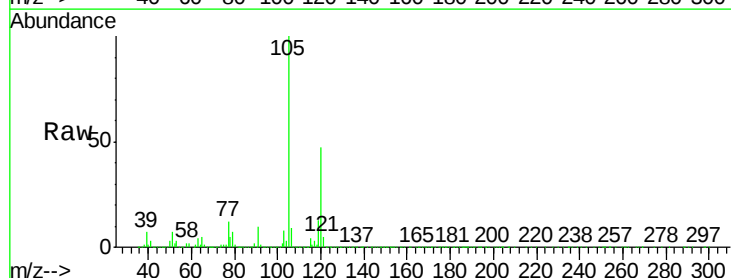
Manual Integrations
APPROVED

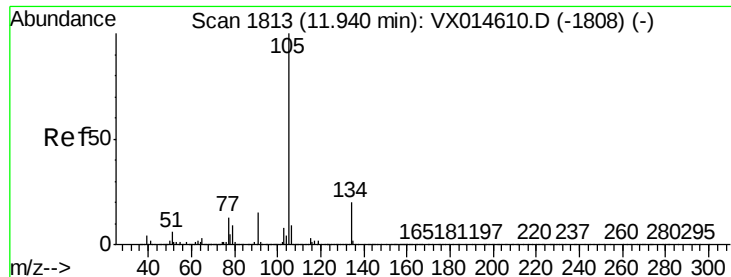
MMDadoda
2/4/2020 3:32:27 PM



#80
1,2,4-Trimethylbenzene
Concen: 34.932 ug/l
RT: 11.80 min Scan# 1790
Delta R.T. -0.01 min
Lab File: VX014797.D
Acq: 03 Feb 2020 16:55

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	953312		
120	46.3	0.0	92.0	





#81

sec-Butylbenzene

Concen: 35.426 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX014797.D

Acq: 03 Feb 2020 16:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1122317

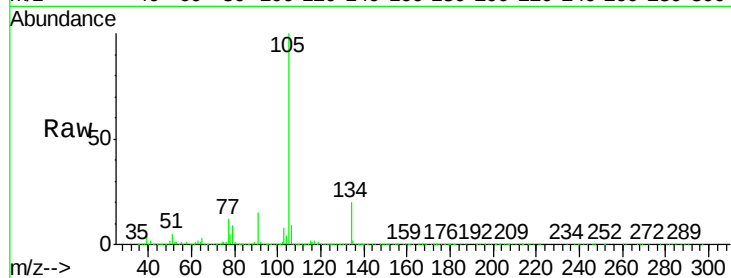
Ion Ratio Lower Upper

105 100

134 20.5 0.0 40.2

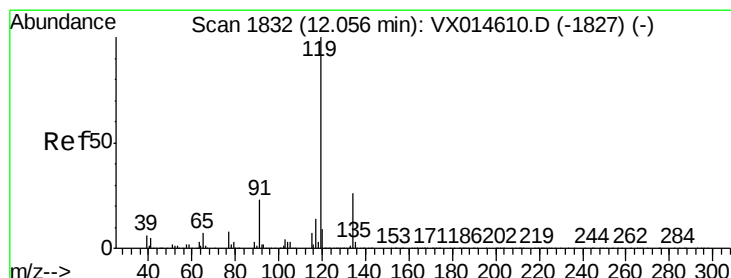
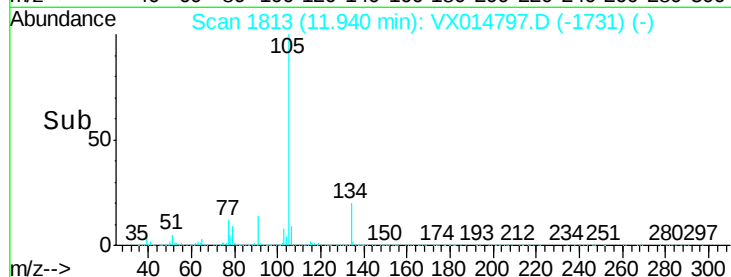
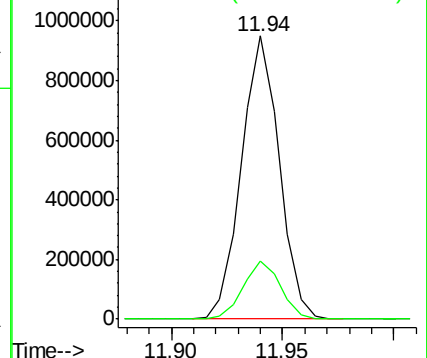
Manual Integrations
APPROVED

MMDadoda
2/4/2020 3:32:27 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 35.829 ug/l

RT: 12.06 min Scan# 1832

Delta R.T. -0.01 min

Lab File: VX014797.D

Acq: 03 Feb 2020 16:55

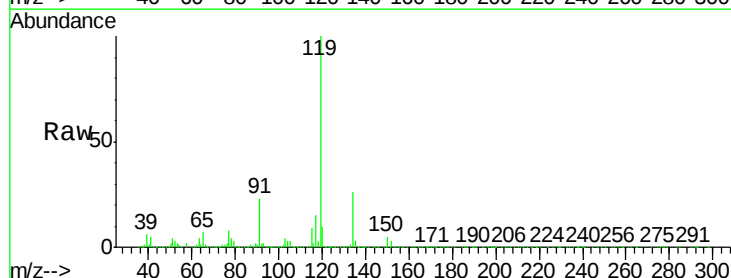
Tgt Ion:119 Resp: 1036252

Ion Ratio Lower Upper

119 100

134 26.7 0.0 53.8

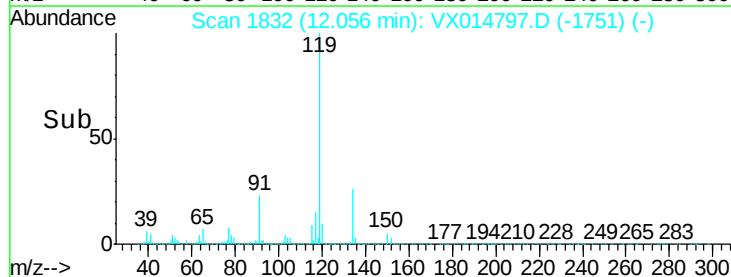
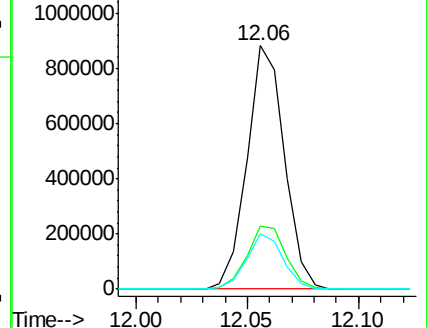
91 22.4 0.0 45.0

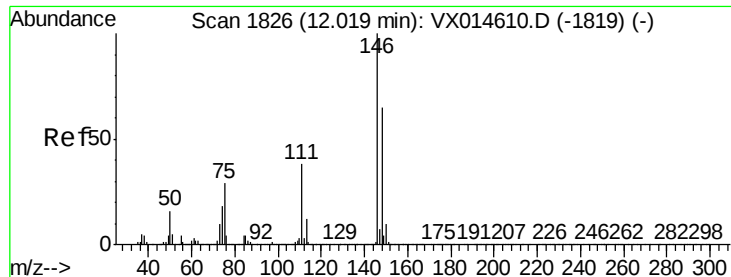


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





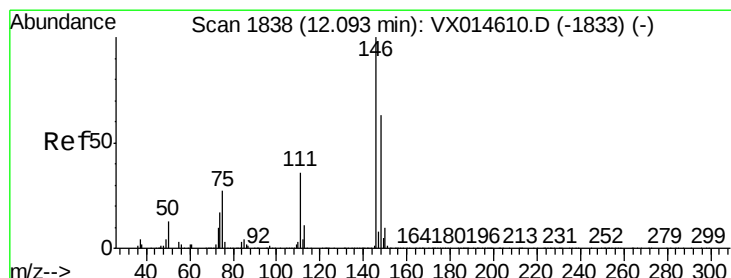
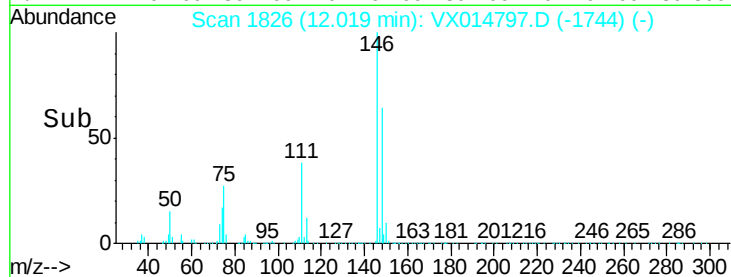
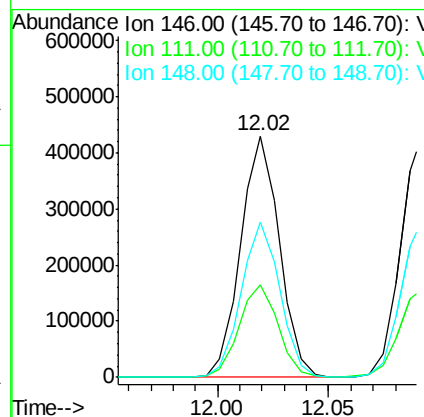
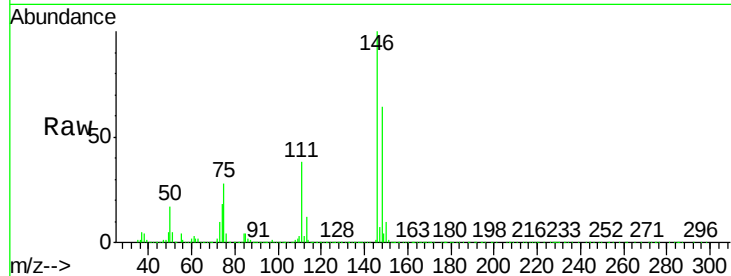
#83
 1,3-Dichlorobenzene
 Concen: 34.273 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX014797.D
 Acq: 03 Feb 2020 16:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.3	57.9
148	64.5	32.2	96.6

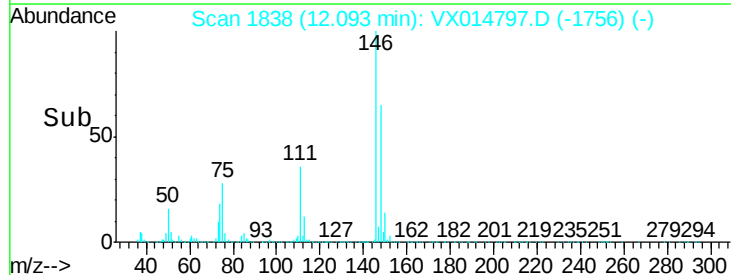
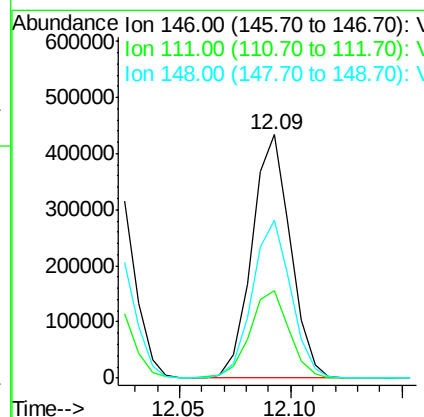
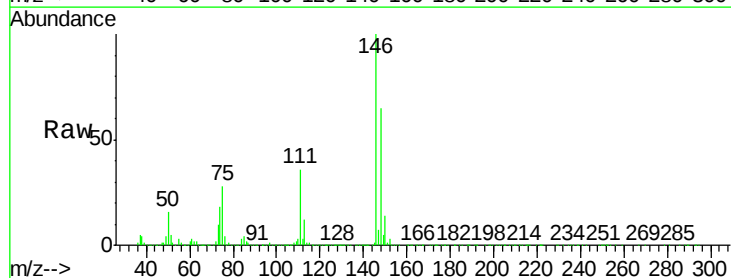
Manual Integrations
 APPROVED

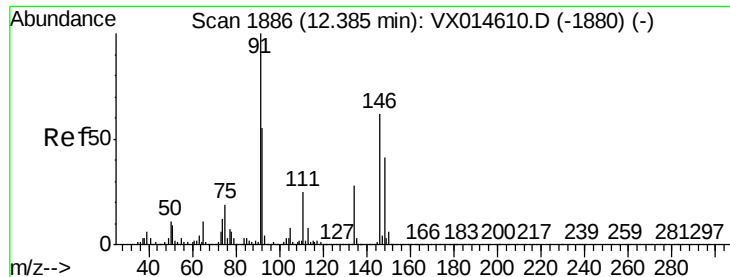
MMDadoda
 2/4/2020 3:32:27 PM



#84
 1,4-Dichlorobenzene
 Concen: 34.743 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX014797.D
 Acq: 03 Feb 2020 16:55

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.4	55.4
148	65.1	32.0	96.0





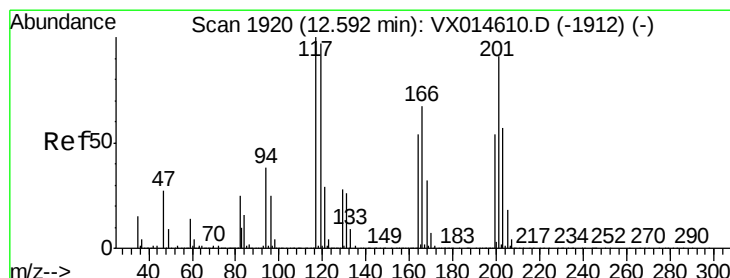
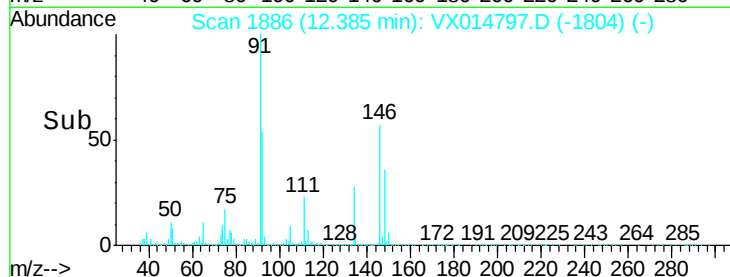
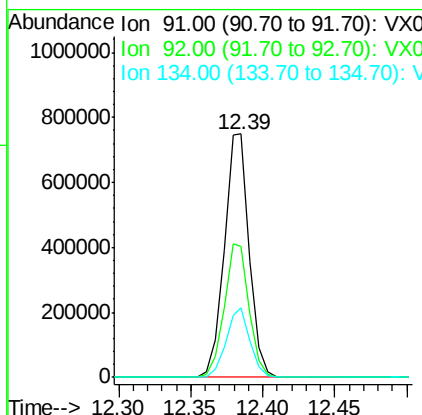
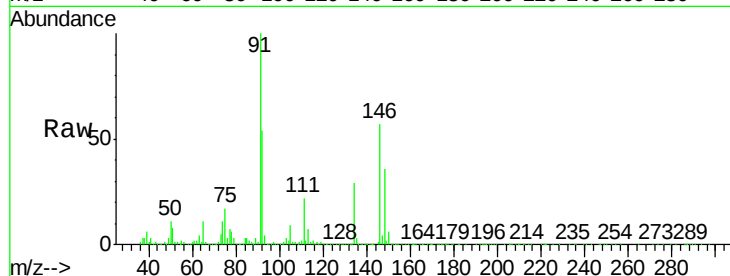
#85
n-Butylbenzene
Concen: 35.931 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX014797.D
Acq: 03 Feb 2020 16:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
91	100	909239		
92	54.7	0.0	109.0	
134	26.9	0.0	54.0	

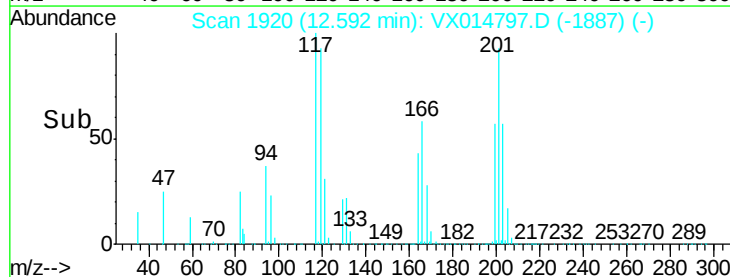
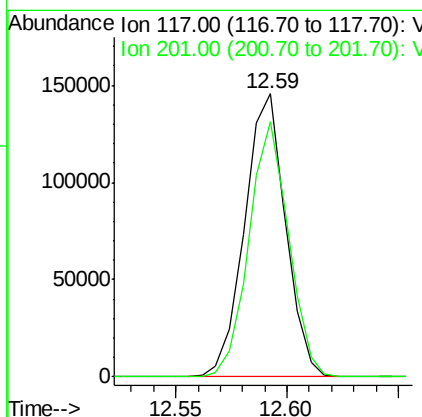
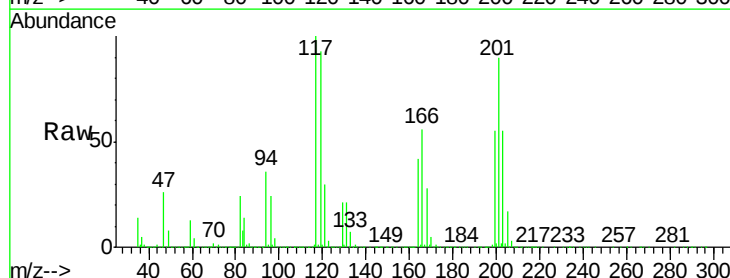
Manual Integrations
APPROVED

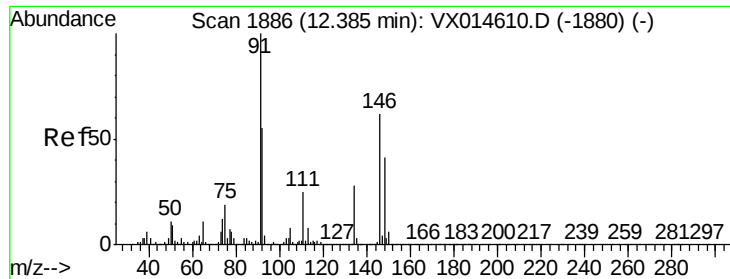
MMDadoda
2/4/2020 3:32:27 PM



#86
Hexachloroethane
Concen: 35.926 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX014797.D
Acq: 03 Feb 2020 16:55

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	186327		
201	87.4	44.8	134.3	





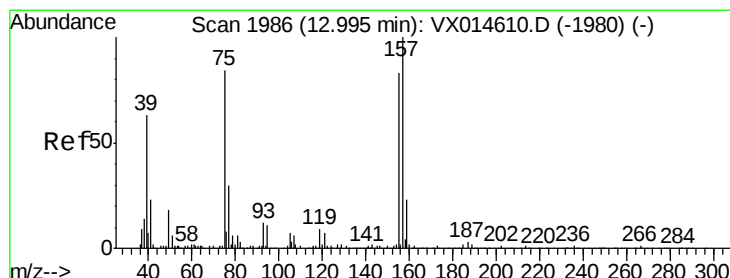
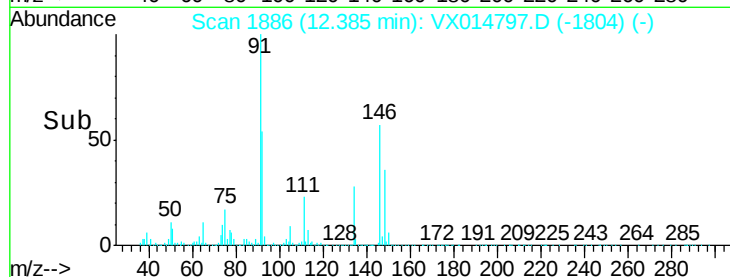
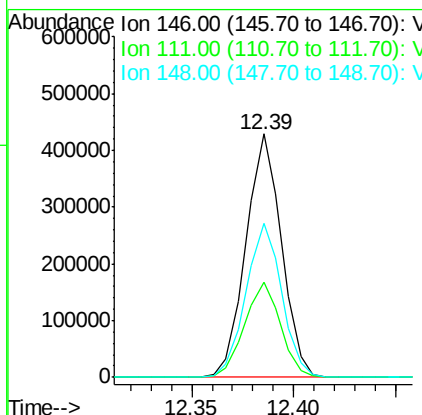
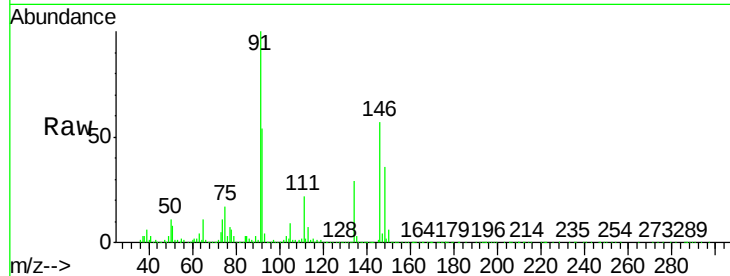
#87
 1,2-Dichlorobenzene
 Concen: 33.926 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX014797.D
 Acq: 03 Feb 2020 16:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	20.1	60.2
148	63.8	32.0	96.2

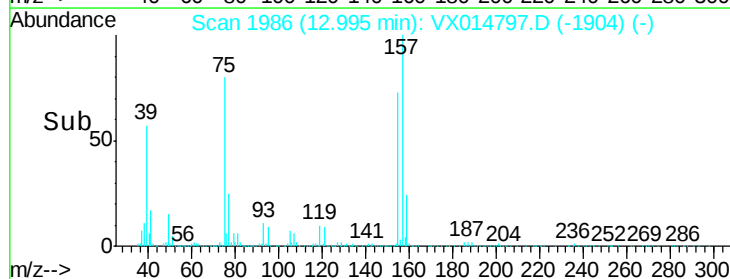
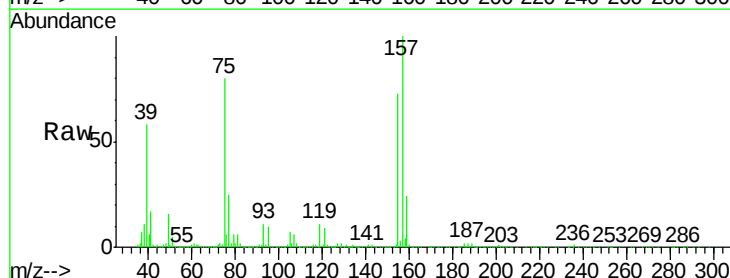
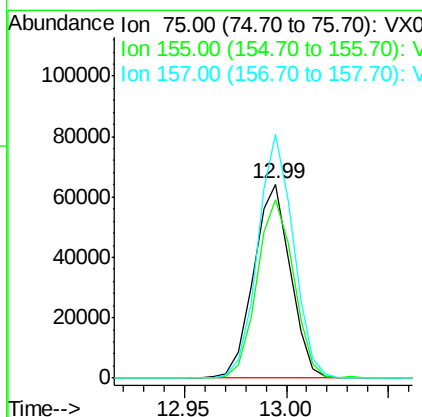
Manual Integrations
 APPROVED

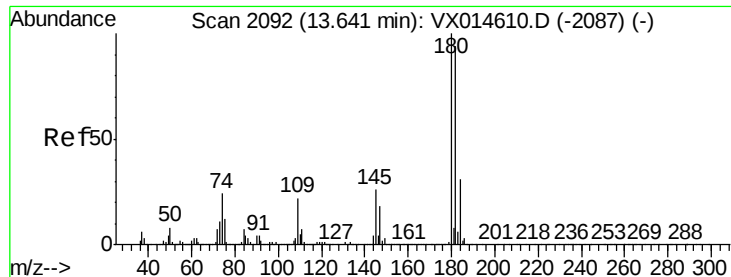
MMDadoda
 2/4/2020 3:32:27 PM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 33.783 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX014797.D
 Acq: 03 Feb 2020 16:55

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.7	73.8	110.6
157	122.5	95.0	142.4





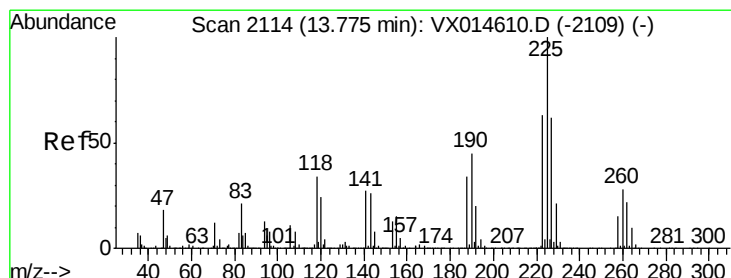
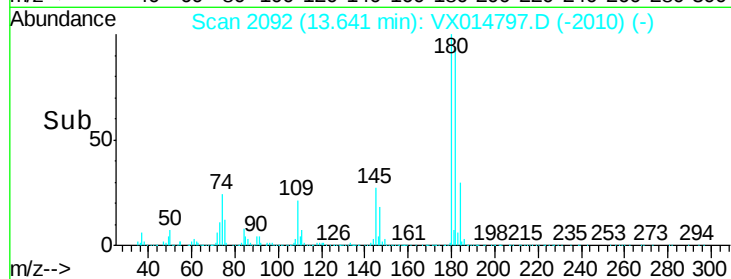
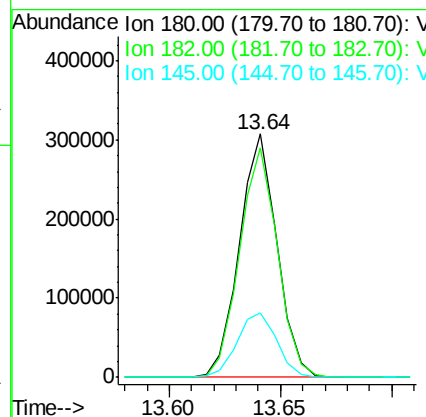
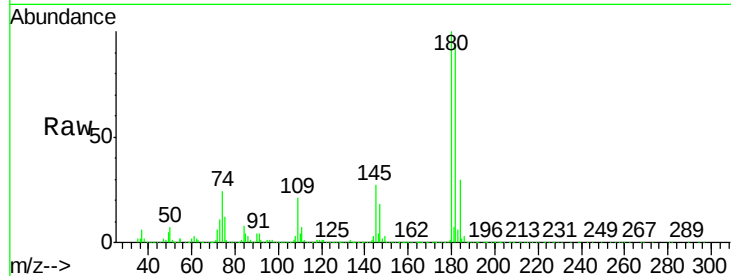
#89
1,2,4-Trichlorobenzene
Concen: 35.562 ug/l
RT: 13.64 min Scan# 2092
Delta R.T. 0.00 min
Lab File: VX014797.D
Acq: 03 Feb 2020 16:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	359979		
182	95.7	76.4	114.6	
145	28.4	21.9	32.9	

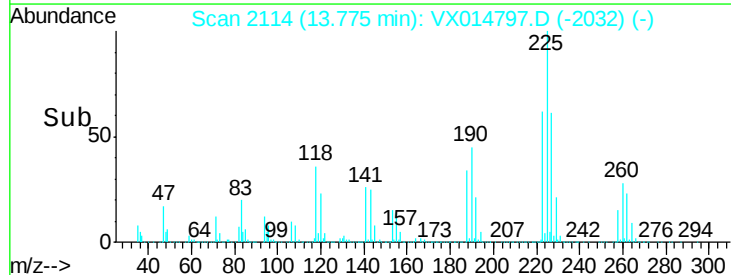
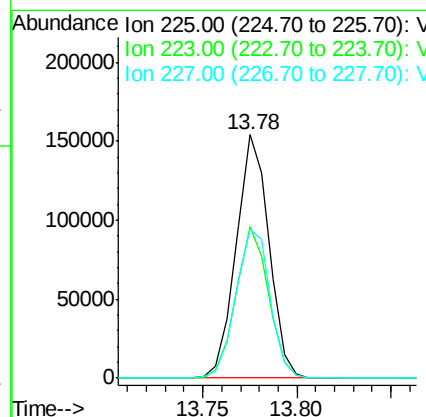
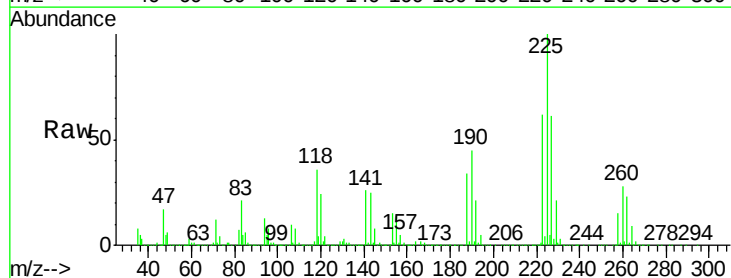
Manual Integrations
APPROVED

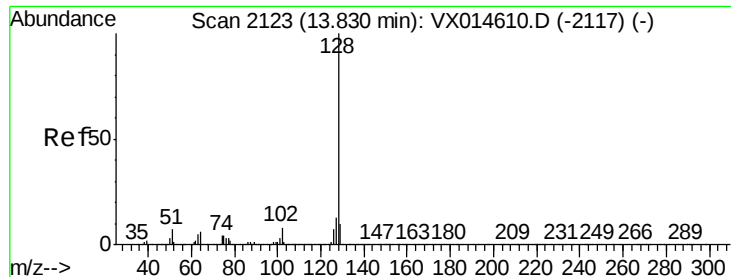
MMDadoda
2/4/2020 3:32:27 PM



#90
Hexachlorobutadiene
Concen: 36.706 ug/l
RT: 13.78 min Scan# 2114
Delta R.T. 0.00 min
Lab File: VX014797.D
Acq: 03 Feb 2020 16:55

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	185660		
223	62.0	0.0	127.4	
227	63.6	0.0	122.8	





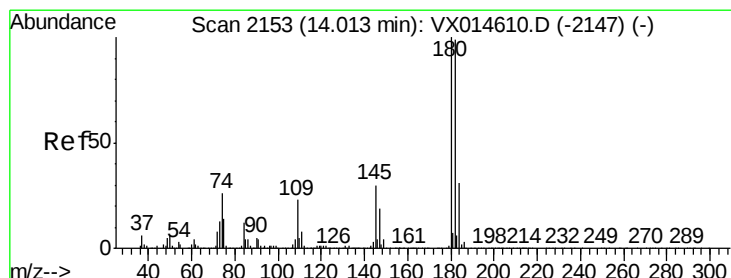
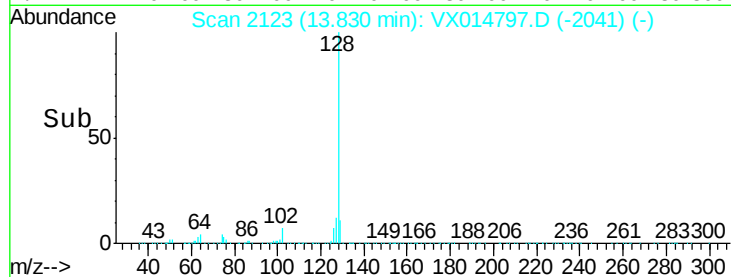
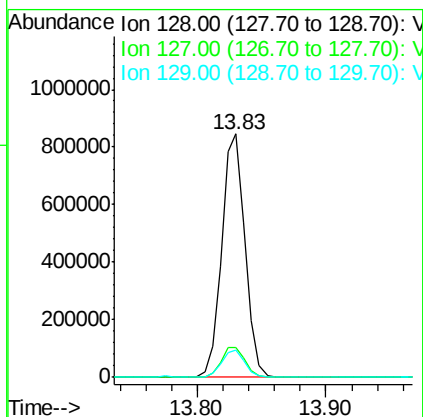
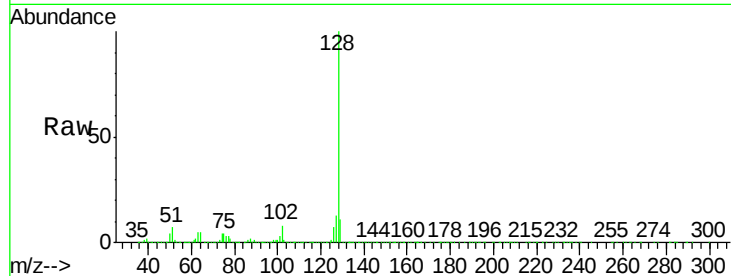
#91
Naphthalene
Concen: 35.151 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX014797.D
Acq: 03 Feb 2020 16:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.4	15.6
129	11.1	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
2/4/2020 3:32:27 PM



#92
1,2,3-Trichlorobenzene
Concen: 35.727 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. 0.00 min
Lab File: VX014797.D
Acq: 03 Feb 2020 16:55

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	0.0	192.8
145	29.7	0.0	60.0

