

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX011720\
 Data File : VX014644.D
 Acq On : 17 Jan 2020 10:41
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 1/20/2020 11:19:41 AM

Quant Time: Jan 18 05:27:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 07 15:54:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	450026	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	667622	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	610995	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	317738	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	261738	52.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.20%	
35) Dibromofluoromethane	5.48	113	214935	53.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.36%	
50) Toluene-d8	8.71	98	829029	52.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.72%	
62) 4-Bromofluorobenzene	11.13	95	300459	52.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	273073	48.880	ug/l	100
3) Chloromethane	1.32	50	280997	48.984	ug/l	99
4) Vinyl Chloride	1.40	62	321331	50.269	ug/l	98
5) Bromomethane	1.63	94	199985	47.198	ug/l	99
6) Chloroethane	1.72	64	175844	50.496	ug/l	100
7) Trichlorofluoromethane	1.92	101	352880	48.665	ug/l	100
8) Diethyl Ether	2.18	74	158145	47.805	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	216802	49.145	ug/l	99
10) Methyl Iodide	2.50	142	294789	55.806	ug/l	100
11) Tert butyl alcohol	3.03	59	252043	240.278	ug/l	99
12) 1,1-Dichloroethene	2.37	96	208820	46.982	ug/l	99
13) Acrolein	2.28	56	166176	197.647	ug/l	97
14) Allyl chloride	2.72	41	390662	50.063	ug/l	99
15) Acrylonitrile	3.13	53	663436	262.051	ug/l	99
16) Acetone	2.43	43	535265	211.858	ug/l	98
17) Carbon Disulfide	2.56	76	551559	44.474	ug/l	99
18) Methyl Acetate	2.76	43	407530	56.440	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	745120	52.223	ug/l	98
20) Methylene Chloride	2.85	84	247012	48.875	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	226703	46.720	ug/l	96
22) Diisopropyl ether	3.84	45	806208	53.461	ug/l	94
23) Vinyl Acetate	3.80	43	3002383	257.153	ug/l	100
24) 1,1-Dichloroethane	3.69	63	419319	51.114	ug/l	99
25) 2-Butanone	4.65	43	915784	244.035	ug/l	99
26) 2,2-Dichloropropane	4.57	77	338815	48.754	ug/l	100
27) cis-1,2-Dichloroethene	4.58	96	263414	48.561	ug/l	97
28) Bromochloromethane	5.00	49	178065	51.512	ug/l	96
29) Tetrahydrofuran	5.11	42	593796	267.630	ug/l	98
30) Chloroform	5.20	83	411084	51.280	ug/l	98
31) Cyclohexane	5.57	56	393250	51.213	ug/l	98
32) 1,1,1-Trichloroethane	5.48	97	351088	51.165	ug/l	99
36) 1,1-Dichloropropene	5.79	75	311402	49.599	ug/l	99
37) Ethyl Acetate	4.81	43	358188	52.523	ug/l	99
38) Carbon Tetrachloride	5.77	117	298922	51.738	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX011720\
 Data File : VX014644.D
 Acq On : 17 Jan 2020 10:41
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 1/20/2020 11:19:41 AM

Quant Time: Jan 18 05:27:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 07 15:54:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	401640	50.919	ug/l	98
40) Benzene	6.13	78	955706	51.288	ug/l	99
41) Methacrylonitrile	5.03	41	198418	54.560	ug/l	99
42) 1,2-Dichloroethane	6.18	62	335688	51.523	ug/l	99
43) Isopropyl Acetate	6.43	43	601712	54.619	ug/l	98
44) Trichloroethene	7.20	130	269266	50.283	ug/l	99
45) 1,2-Dichloropropane	7.50	63	258570	54.427	ug/l	99
46) Dibromomethane	7.65	93	164570	49.631	ug/l	98
47) Bromodichloromethane	7.89	83	324780	53.829	ug/l	99
48) Methyl methacrylate	7.76	41	291169	55.184	ug/l	99
49) 1,4-Dioxane	7.73	88	105399	942.739	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	1862047	277.371	ug/l	99
52) Toluene	8.78	92	602755	50.531	ug/l	99
53) t-1,3-Dichloropropene	9.03	75	368205	52.418	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	407746	53.736	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	254091	53.033	ug/l	98
56) Ethyl methacrylate	9.17	69	405239	55.207	ug/l	99
57) 1,3-Dichloropropane	9.36	76	427067	53.310	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.30	63	692265	277.190	ug/l	99
59) 2-Hexanone	9.48	43	1449857	272.951	ug/l	100
60) Dibromochloromethane	9.57	129	262831	54.578	ug/l	99
61) 1,2-Dibromoethane	9.67	107	260024	51.234	ug/l	99
64) Tetrachloroethene	9.33	164	301014	49.157	ug/l	98
65) Chlorobenzene	10.14	112	658804	49.685	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	247228	52.246	ug/l	100
67) Ethyl Benzene	10.25	91	1160430	51.346	ug/l	98
68) m/p-Xylenes	10.36	106	893087	102.429	ug/l	99
69) o-Xylene	10.70	106	426585	51.278	ug/l	99
70) Styrene	10.71	104	743954	51.820	ug/l	99
71) Bromoform	10.85	173	204408	52.797	ug/l	98
73) Isopropylbenzene	11.01	105	1140919	51.135	ug/l	99
74) N-amyl acetate	10.89	43	523530	53.184	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	367998	51.430	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	319401m	48.585	ug/l	
77) Bromobenzene	11.25	156	299366	48.382	ug/l	100
78) n-propylbenzene	11.35	91	1319974	51.657	ug/l	99
79) 2-Chlorotoluene	11.42	91	771981	50.691	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	954740	51.540	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	132149	53.145	ug/l #	92
82) 4-Chlorotoluene	11.51	91	893278	49.970	ug/l	98
83) tert-Butylbenzene	11.76	119	893807	51.066	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	972153	51.937	ug/l	99
85) sec-Butylbenzene	11.94	105	1127210	51.805	ug/l	99
86) p-Isopropyltoluene	12.06	119	1046653	51.837	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	534854	48.165	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	536333	51.426	ug/l	99
89) n-Butylbenzene	12.38	91	926616	50.193	ug/l	99
90) Hexachloroethane	12.59	117	186287	52.525	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	533891	49.072	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.99	75	80967	50.305	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX011720\
Data File : VX014644.D
Acq On : 17 Jan 2020 10:41
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

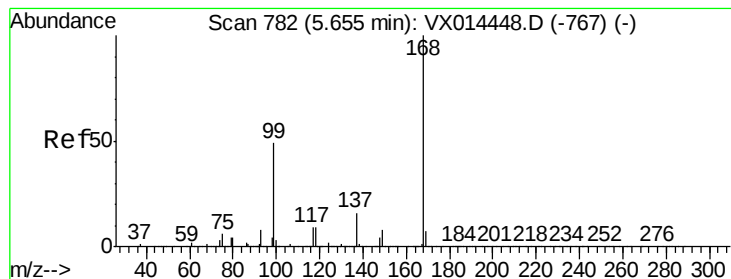
Manual Integrations
APPROVED

MMDadoda
1/20/2020 11:19:41 AM

Quant Time: Jan 18 05:27:17 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010720W.M
Quant Title : SW846 8260
QLast Update : Tue Jan 07 15:54:41 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	377989	49.501	ug/l	98
94) Hexachlorobutadiene	13.78	225	186089	52.032	ug/l	99
95) Naphthalene	13.83	128	1124461	47.445	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	377878	50.427	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.01 min

Lab File: VX014644.D

Acq: 17 Jan 2020 10:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 450026

Ion Ratio Lower Upper

168 100

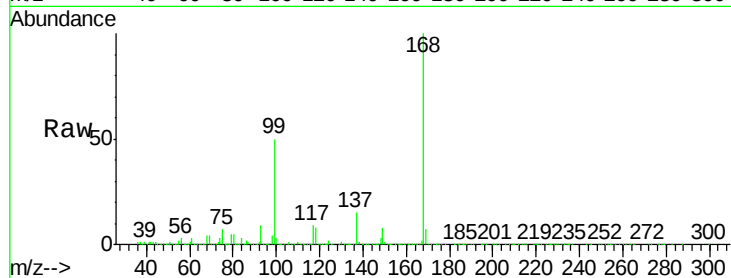
99 50.0 39.2 58.8

Manual Integrations

APPROVED

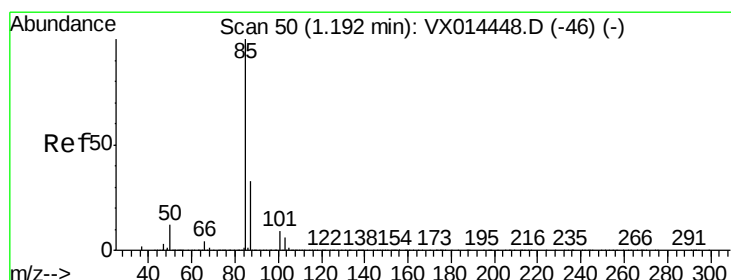
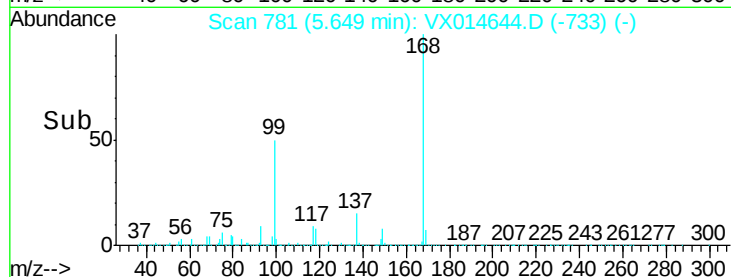
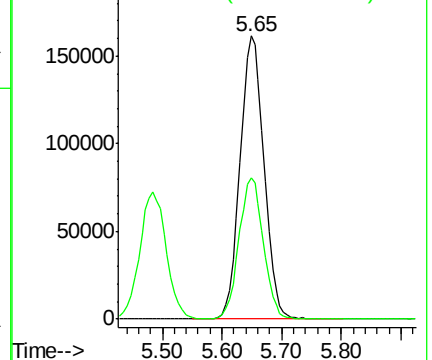
MMDadoda

1/20/2020 11:19:41 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 48.880 ug/l

RT: 1.19 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX014644.D

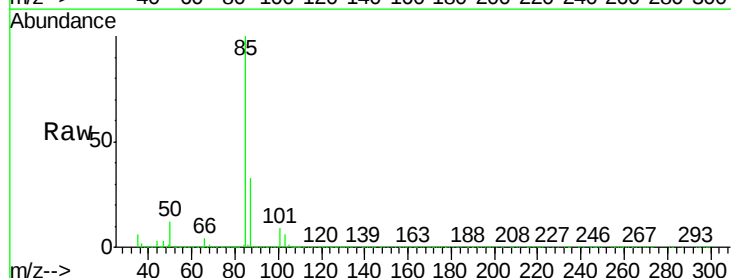
Acq: 17 Jan 2020 10:41

Tgt Ion: 85 Resp: 273073

Ion Ratio Lower Upper

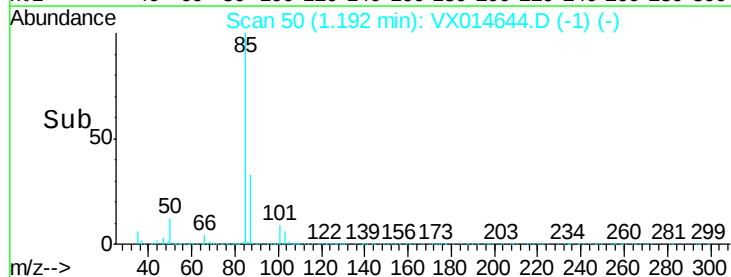
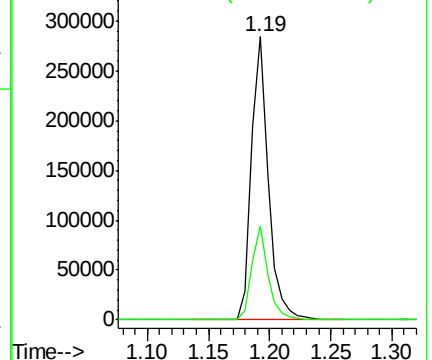
85 100

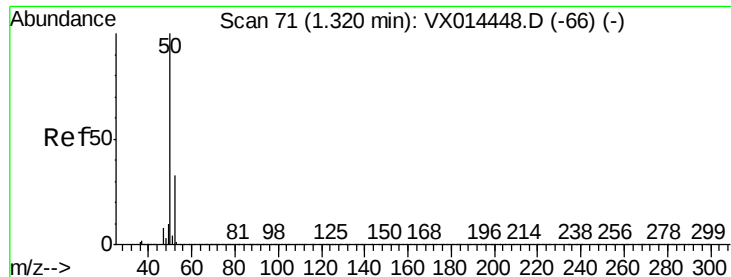
87 32.9 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 48.984 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX014644.D

Acq: 17 Jan 2020 10:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 280997

Ion Ratio Lower Upper

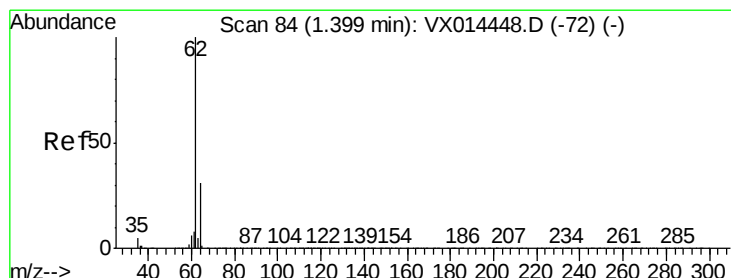
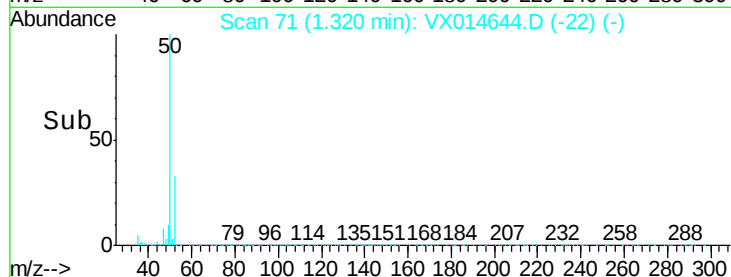
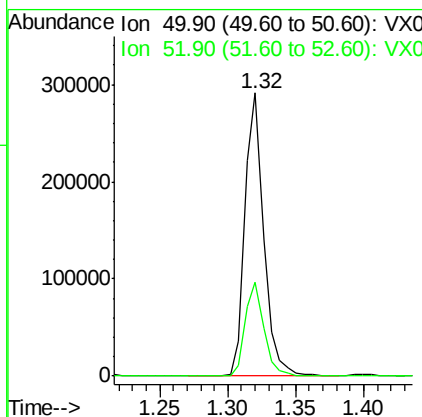
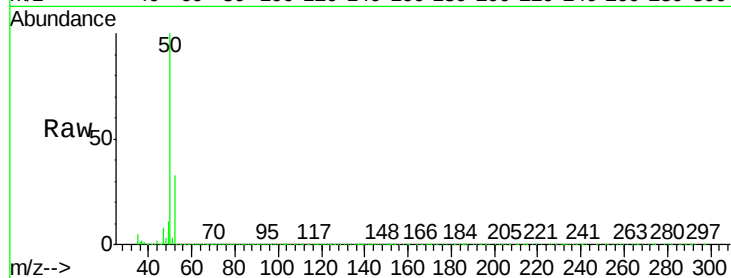
50 100

52 33.3 26.1 39.1

Manual Integrations
APPROVED

MMDadoda

1/20/2020 11:19:41 AM



#4

Vinyl Chloride

Concen: 50.269 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX014644.D

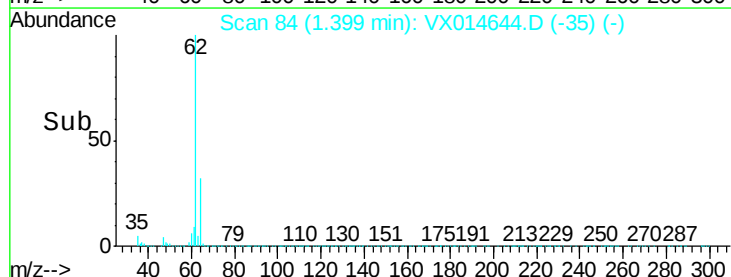
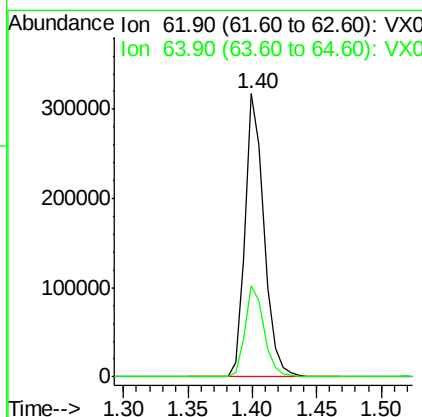
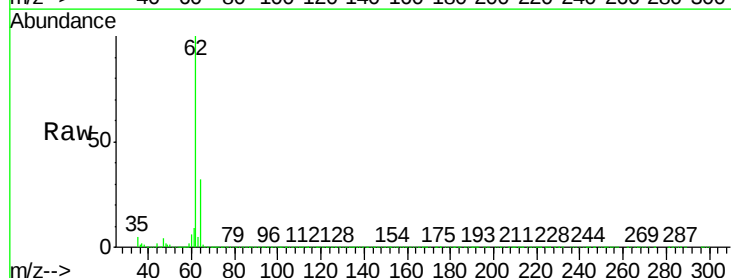
Acq: 17 Jan 2020 10:41

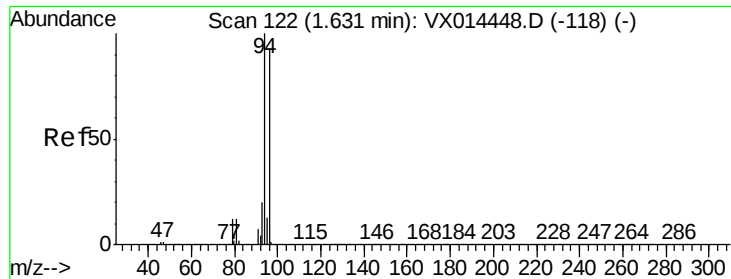
Tgt Ion: 62 Resp: 321331

Ion Ratio Lower Upper

62 100

64 32.1 24.6 37.0





#5

Bromomethane

Concen: 47.198 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.00 min

Lab File: VX014644.D

Acq: 17 Jan 2020 10:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 199985

Ion Ratio Lower Upper

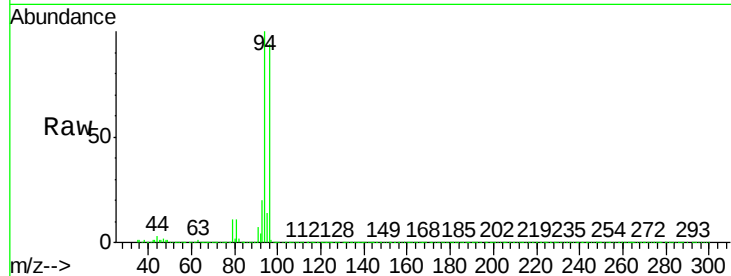
94 100

96 93.6 74.2 111.2

Manual Integrations
APPROVED

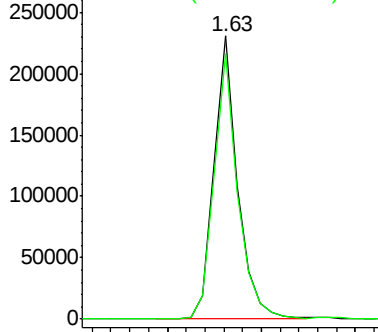
MMDadoda

1/20/2020 11:19:41 AM

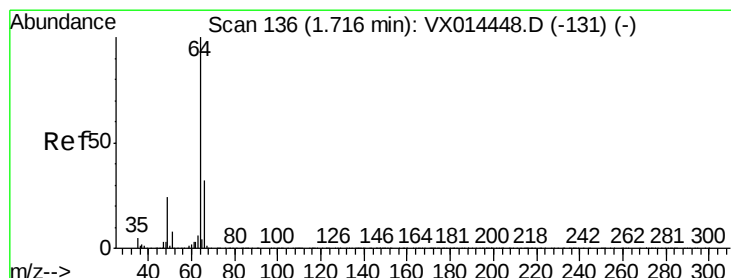
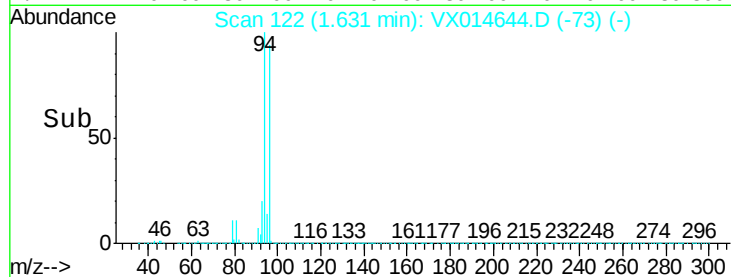


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->



#6

Chloroethane

Concen: 50.496 ug/l

RT: 1.72 min Scan# 136

Delta R.T. 0.00 min

Lab File: VX014644.D

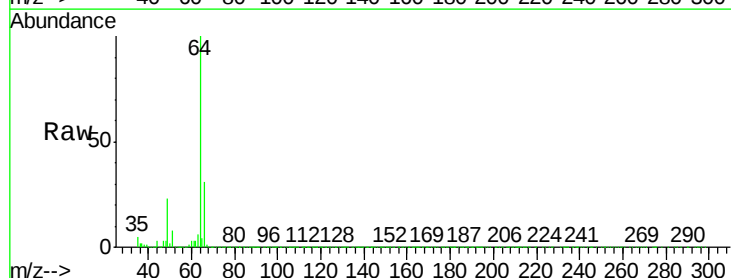
Acq: 17 Jan 2020 10:41

Tgt Ion: 64 Resp: 175844

Ion Ratio Lower Upper

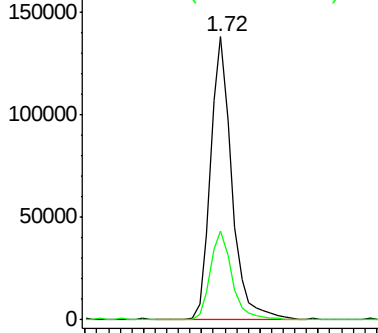
64 100

66 31.4 25.3 37.9

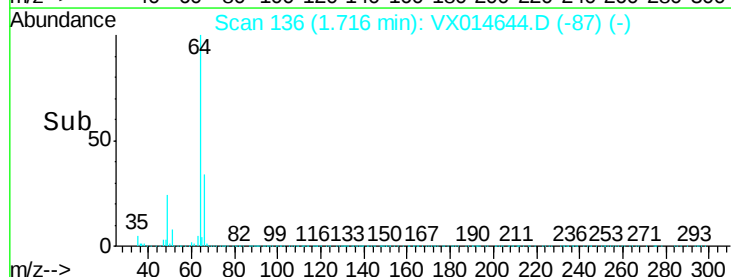


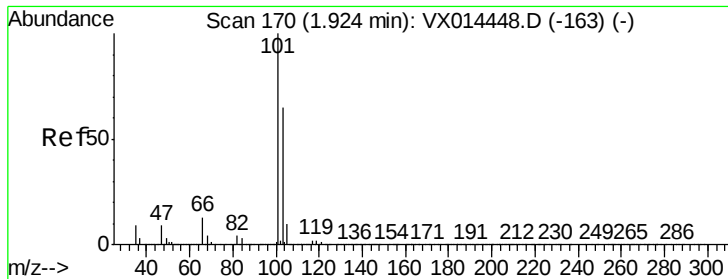
Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



Time-->





#7

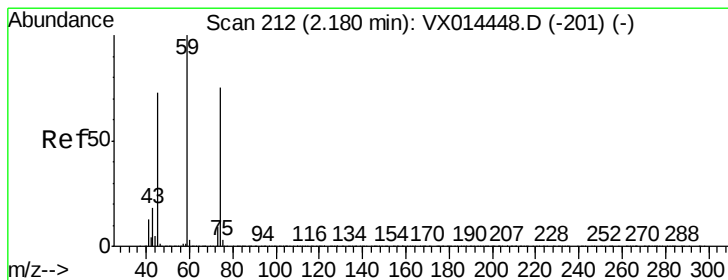
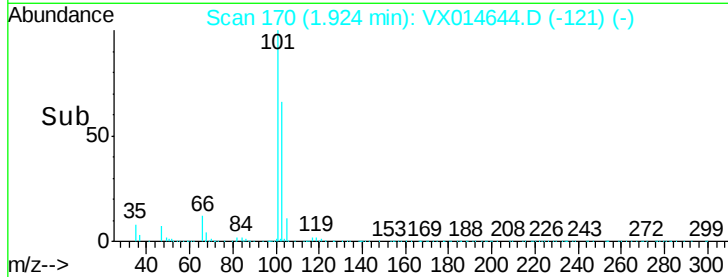
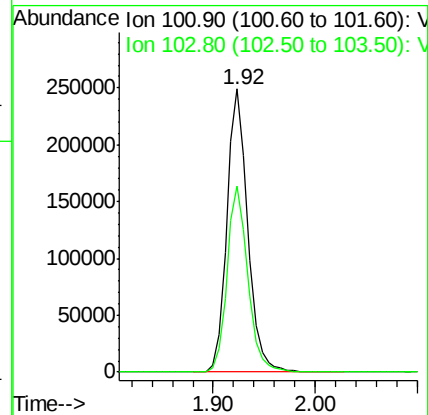
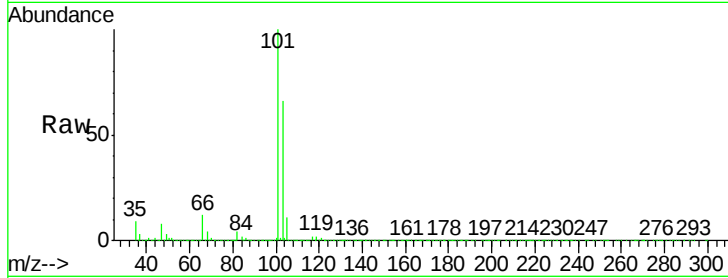
Trichlorofluoromethane
Concen: 48.665 ug/l
RT: 1.92 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX014644.D
Acq: 17 Jan 2020 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.6	52.2	78.4

Manual Integrations
APPROVED

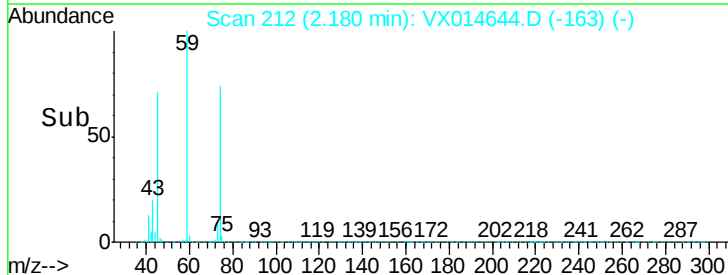
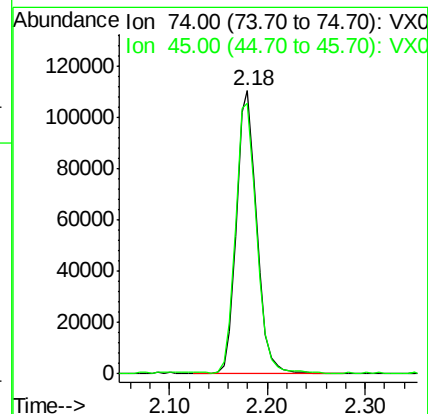
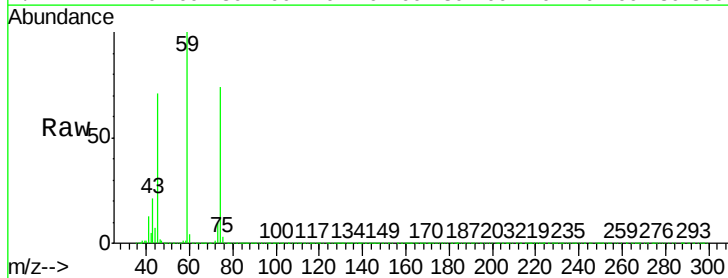
MMDadoda
1/20/2020 11:19:41 AM

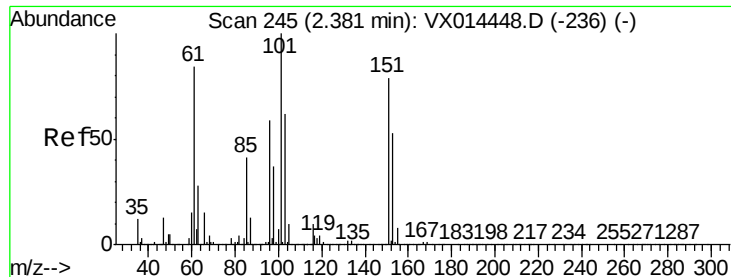


#8

Diethyl Ether
Concen: 47.805 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX014644.D
Acq: 17 Jan 2020 10:41

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.2	48.7	146.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.145 ug/l

RT: 2.37 min Scan# 244

Delta R.T. -0.01 min

Lab File: VX014644.D

Acq: 17 Jan 2020 10:41

Instrument :

MSVOA_X

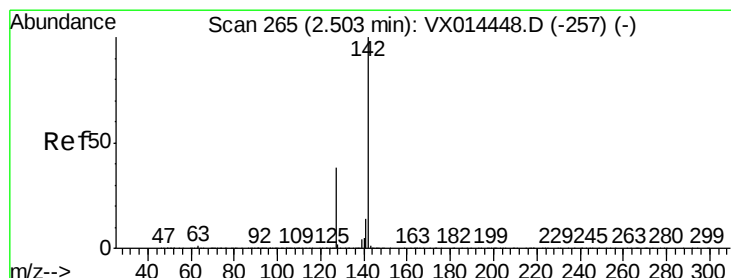
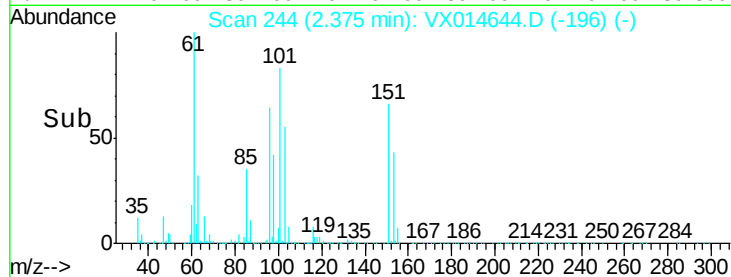
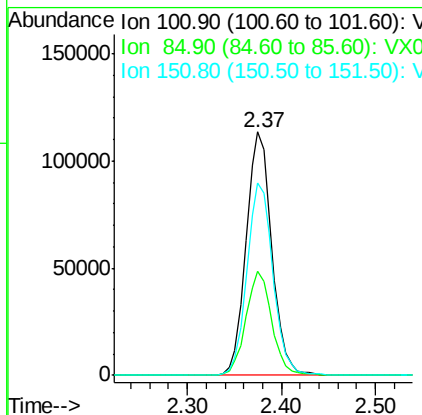
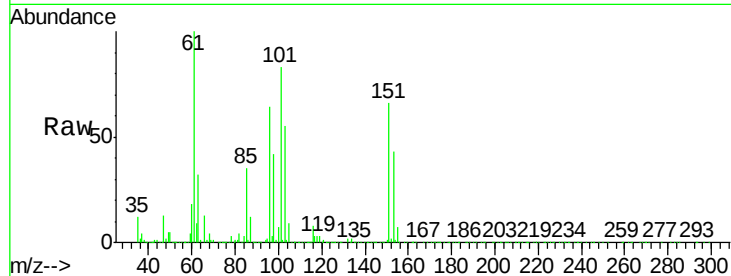
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	216802
Ion Ratio	Lower	Upper	
101	100		
85	42.6	33.8	50.8
151	80.6	65.3	97.9

Manual Integrations
APPROVED

MMDadoda
1/20/2020 11:19:41 AM



#10

Methyl Iodide

Concen: 55.806 ug/l

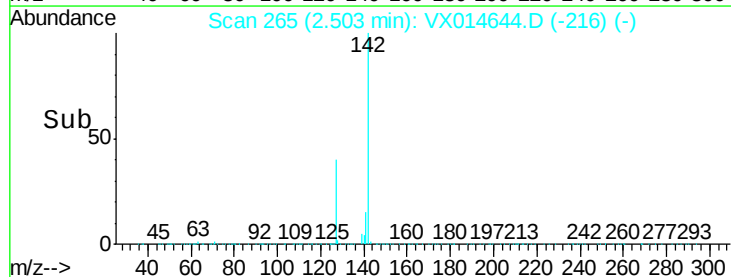
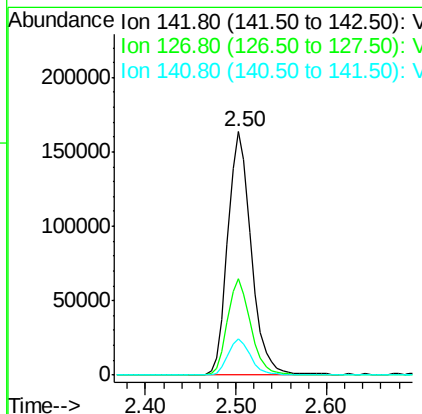
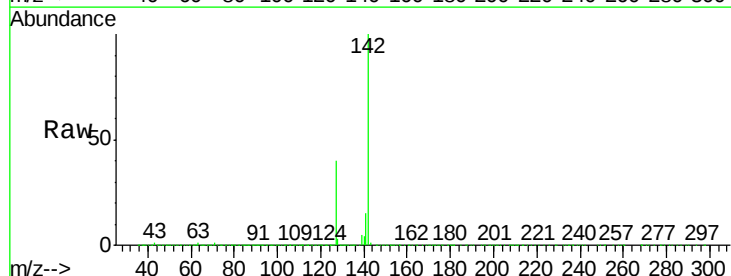
RT: 2.50 min Scan# 265

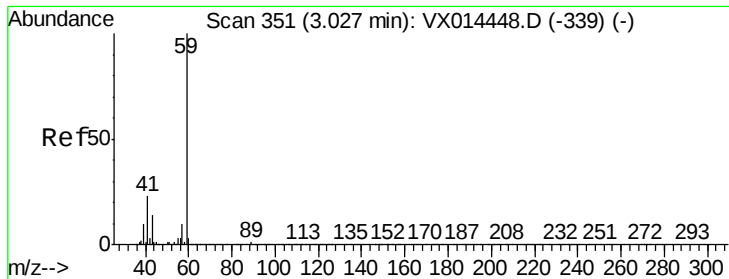
Delta R.T. 0.00 min

Lab File: VX014644.D

Acq: 17 Jan 2020 10:41

Tgt Ion:	142	Resp:	294789
Ion Ratio	Lower	Upper	
142	100		
127	38.9	31.2	46.8
141	14.7	11.4	17.2





#11

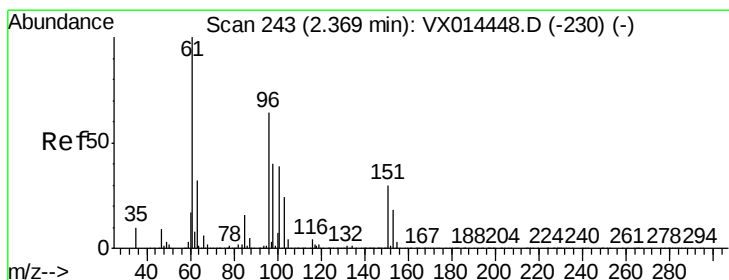
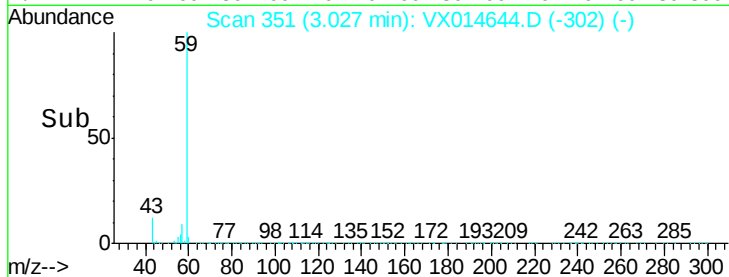
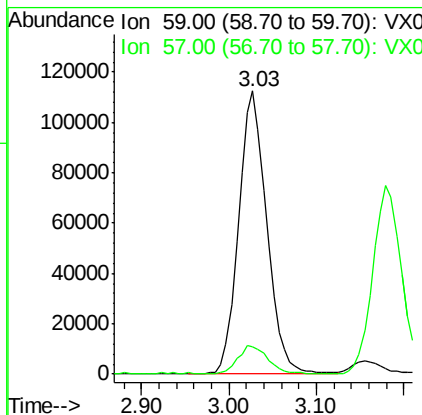
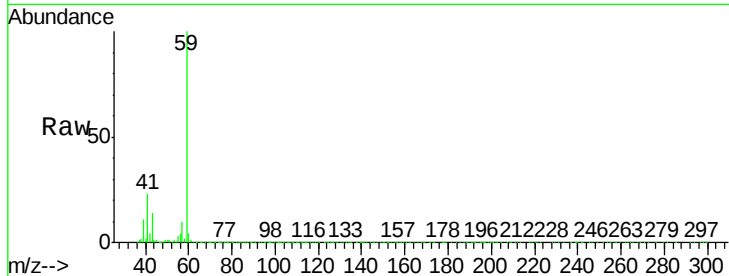
Tert butyl alcohol
Concen: 240.278 ug/l
RT: 3.03 min Scan# 351
Delta R.T. 0.00 min
Lab File: VX014644.D
Acq: 17 Jan 2020 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.5	12.7

Manual Integrations
APPROVED

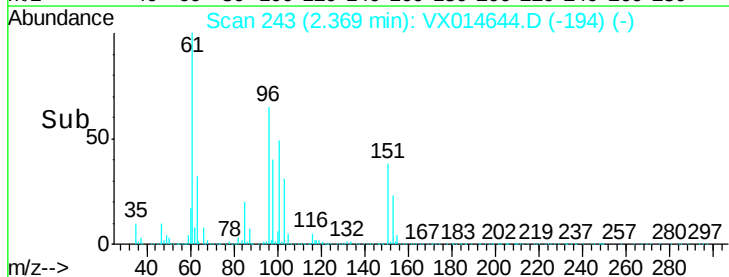
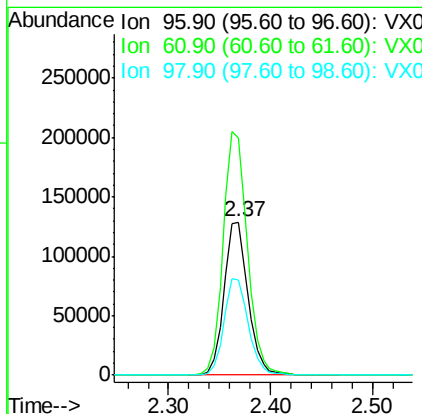
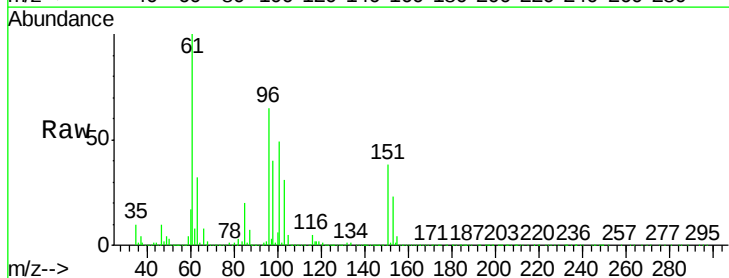
MMDadoda
1/20/2020 11:19:41 AM

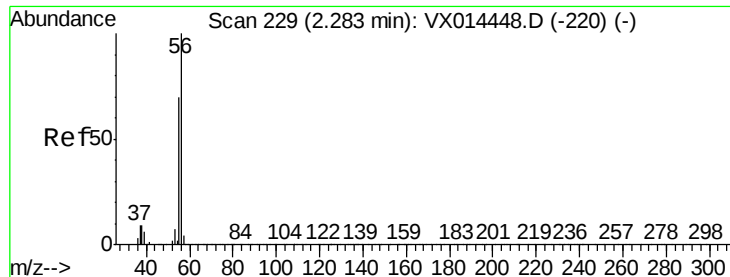


#12

1,1-Dichloroethene
Concen: 46.982 ug/l
RT: 2.37 min Scan# 243
Delta R.T. 0.00 min
Lab File: VX014644.D
Acq: 17 Jan 2020 10:41

Tgt Ion	Ratio	Lower	Upper
96	100		
61	154.4	125.0	187.6
98	61.9	50.2	75.2





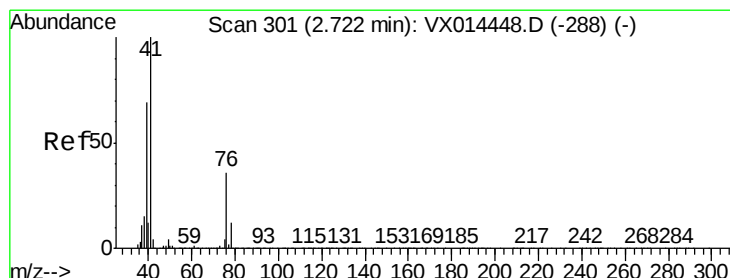
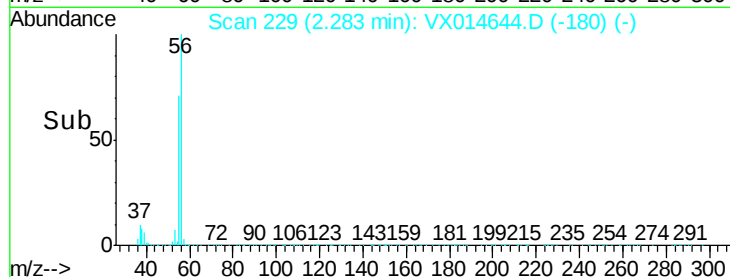
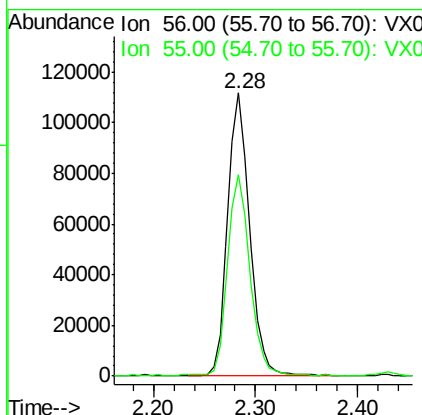
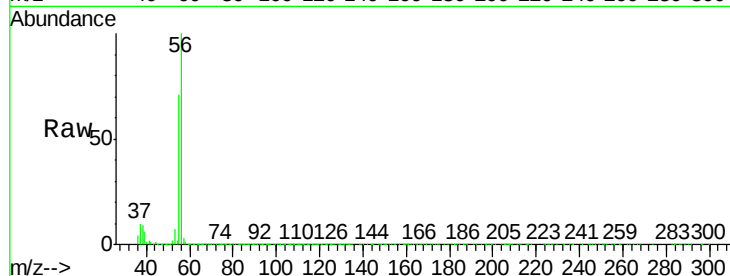
#13
Acrolein
Concen: 197.647 ug/l
RT: 2.28 min Scan# 229
Delta R.T. 0.00 min
Lab File: VX014644.D
Acq: 17 Jan 2020 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
55	71.3	55.0	82.6

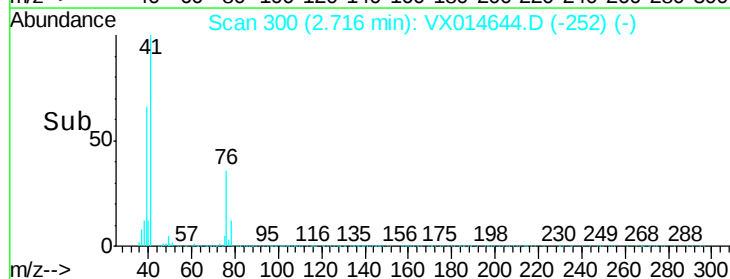
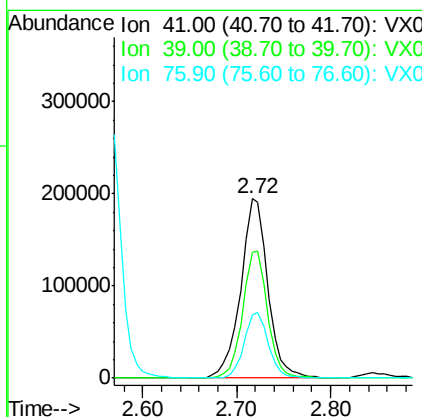
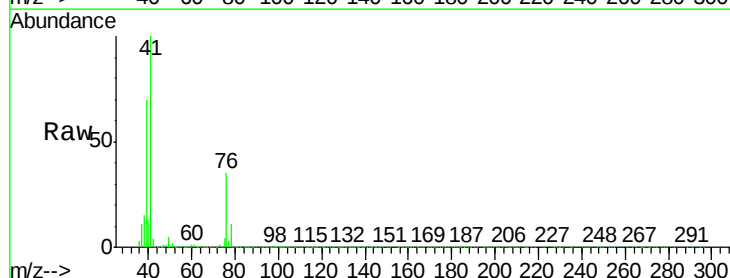
Manual Integrations
APPROVED

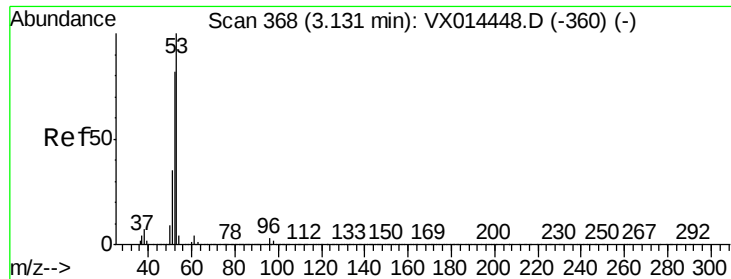
MMDadoda
1/20/2020 11:19:41 AM



#14
Allyl chloride
Concen: 50.063 ug/l
RT: 2.72 min Scan# 300
Delta R.T. -0.01 min
Lab File: VX014644.D
Acq: 17 Jan 2020 10:41

Tgt Ion	Ratio	Lower	Upper
41	100		
39	64.7	51.7	77.5
76	32.4	26.8	40.2





#15

Acrylonitrile

Concen: 262.051 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX014644.D

Acq: 17 Jan 2020 10:41

Instrument :

MSVOA_X

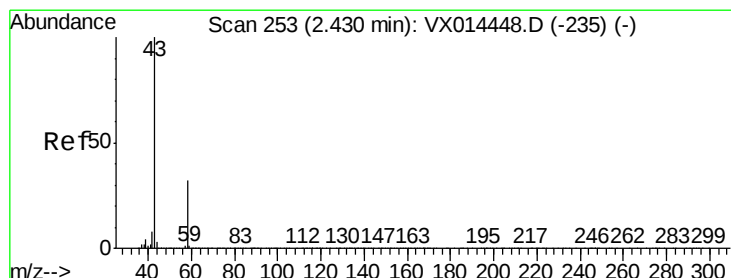
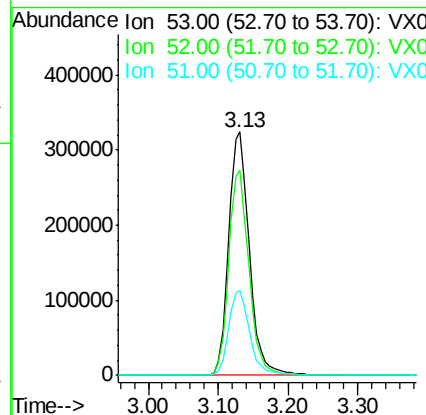
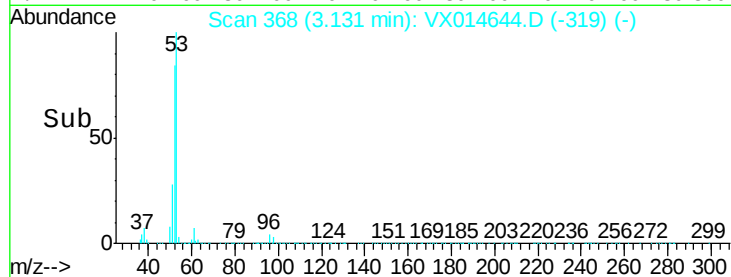
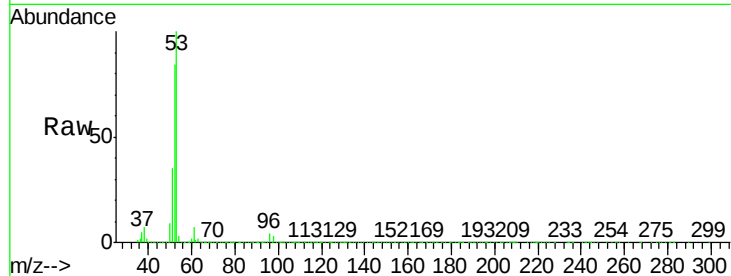
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	663436
Ion Ratio		Lower	Upper
53	100		
52	82.4	67.0	100.4
51	35.5	28.5	42.7

Manual Integrations
APPROVED

MMDadoda
1/20/2020 11:19:41 AM



#16

Acetone

Concen: 211.858 ug/l

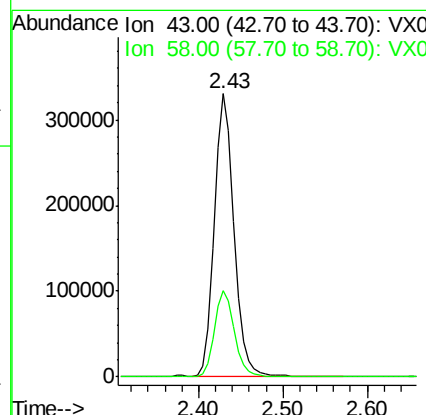
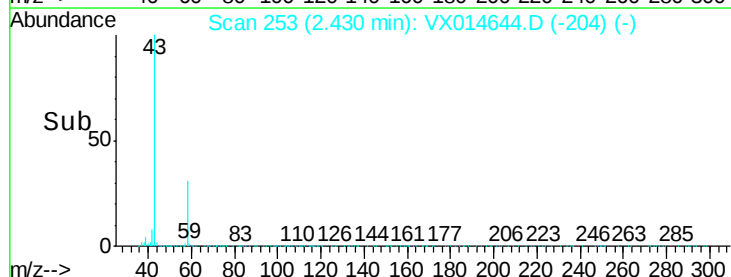
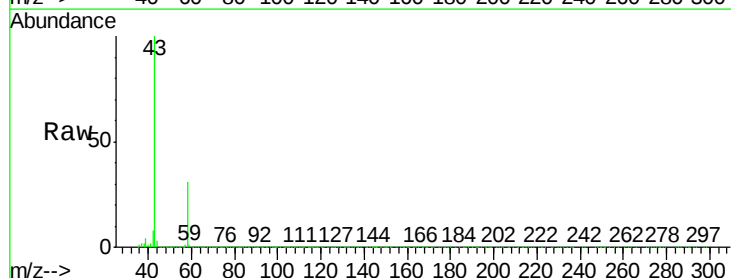
RT: 2.43 min Scan# 253

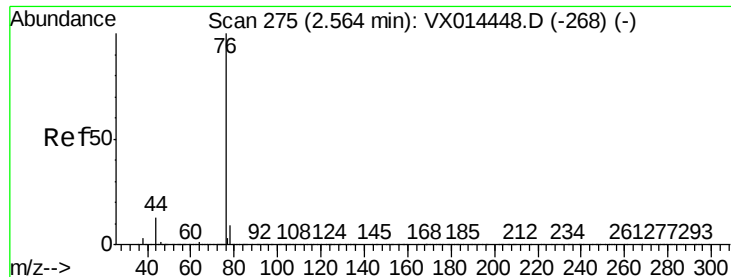
Delta R.T. 0.00 min

Lab File: VX014644.D

Acq: 17 Jan 2020 10:41

Tgt Ion:	43	Resp:	535265
Ion Ratio		Lower	Upper
43	100		
58	30.7	25.4	38.0





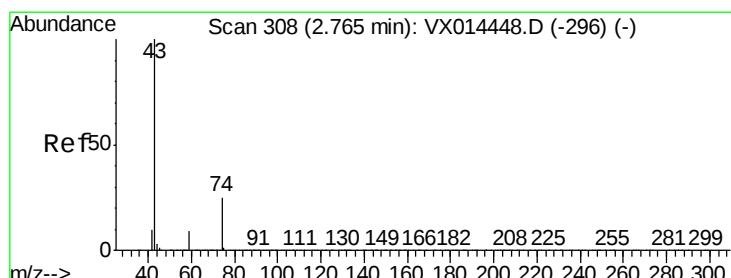
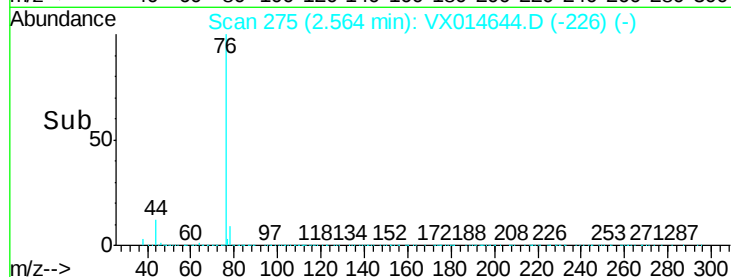
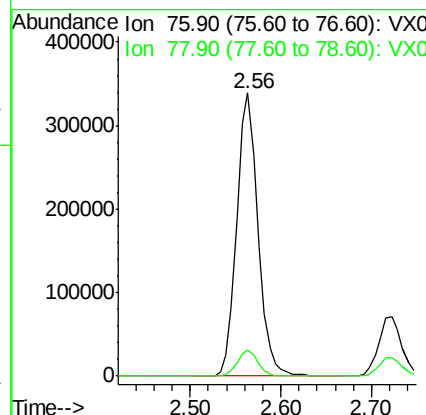
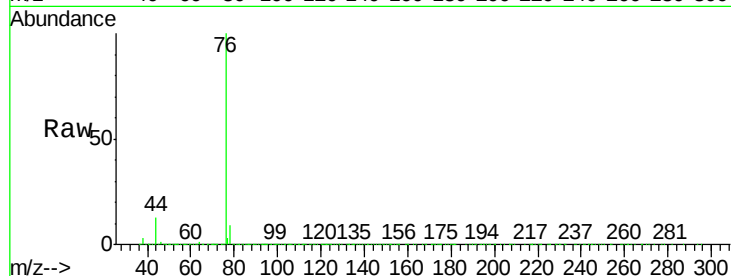
#17
Carbon Disulfide
Concen: 44.474 ug/l
RT: 2.56 min Scan# 275
Delta R.T. 0.00 min
Lab File: VX014644.D
Acq: 17 Jan 2020 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.4	11.2

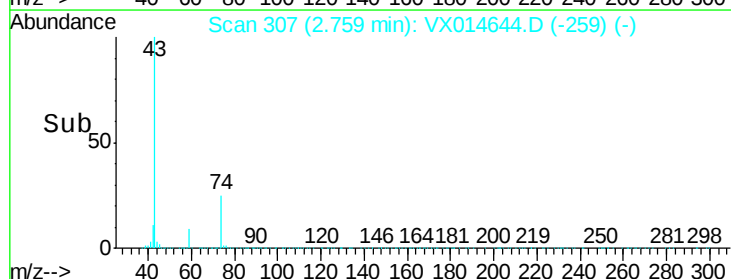
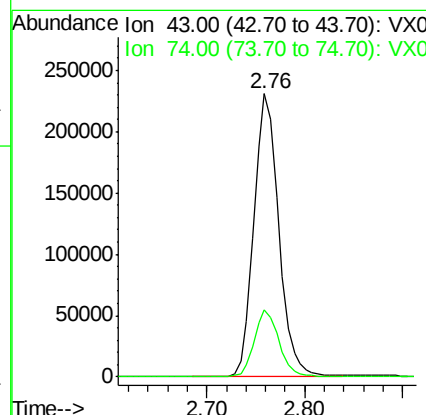
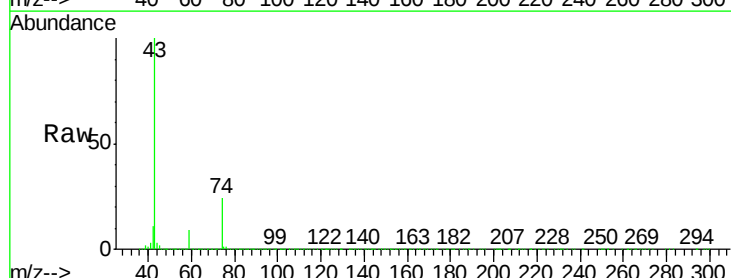
Manual Integrations
APPROVED

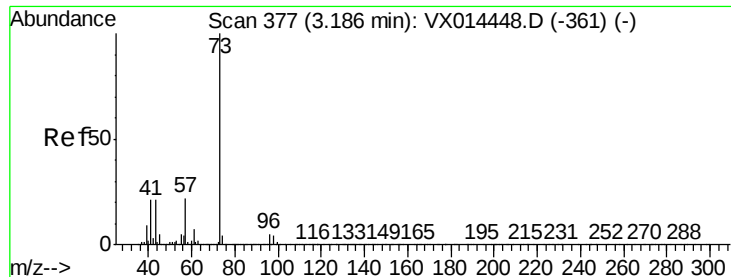
MMDadoda
1/20/2020 11:19:41 AM



#18
Methyl Acetate
Concen: 56.440 ug/l
RT: 2.76 min Scan# 307
Delta R.T. -0.01 min
Lab File: VX014644.D
Acq: 17 Jan 2020 10:41

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.6	19.4	29.2





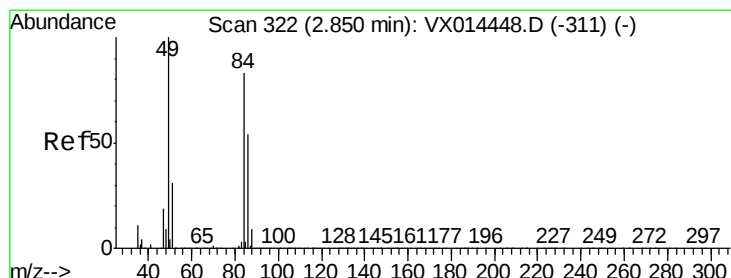
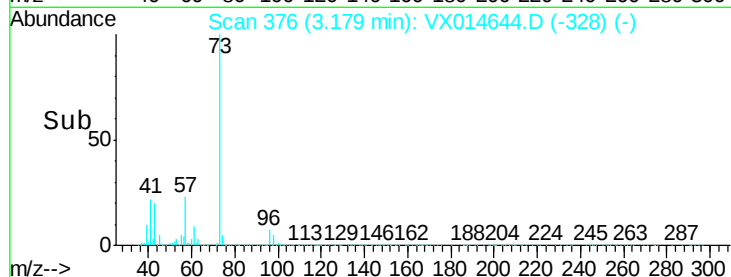
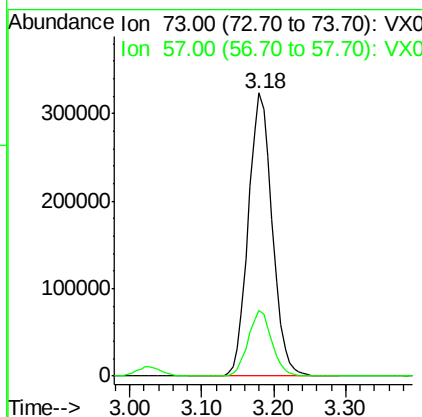
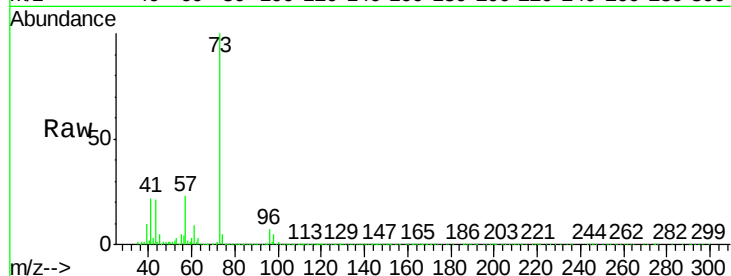
#19
Methyl tert-butyl Ether
Concen: 52.223 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.01 min
Lab File: VX014644.D
Acq: 17 Jan 2020 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.1	17.8	26.8

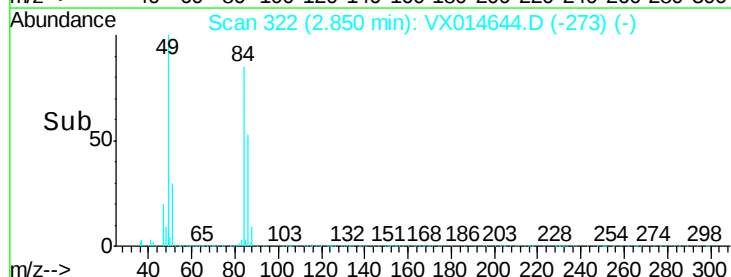
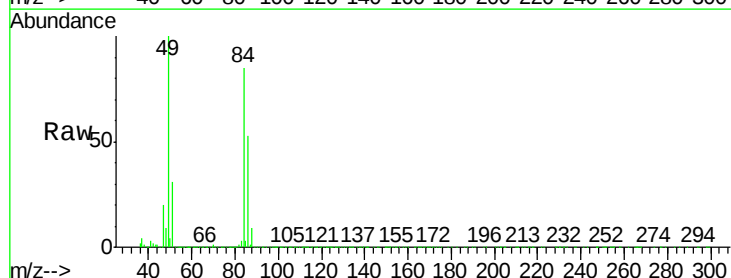
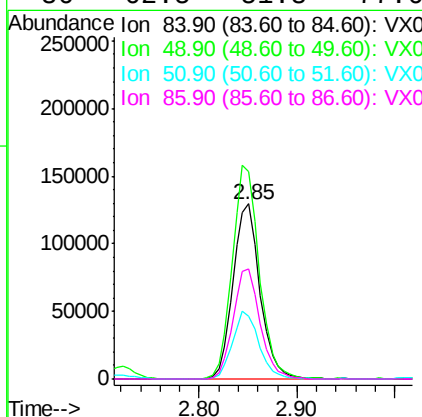
Manual Integrations
APPROVED

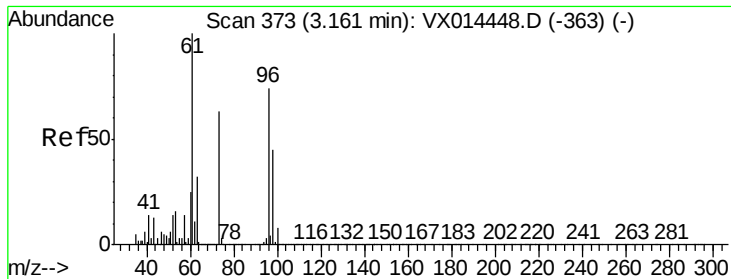
MMDadoda
1/20/2020 11:19:41 AM



#20
Methylene Chloride
Concen: 48.875 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.00 min
Lab File: VX014644.D
Acq: 17 Jan 2020 10:41

Tgt Ion	Ratio	Lower	Upper
84	100		
49	117.9	95.8	143.8
51	35.9	30.2	45.4
86	62.5	51.8	77.6





#21

trans-1,2-Dichloroethene

Concen: 46.720 ug/l

RT: 3.16 min Scan# 372

Delta R.T. -0.01 min

Lab File: VX014644.D

Acq: 17 Jan 2020 10:41

Instrument :

MSVOA_X

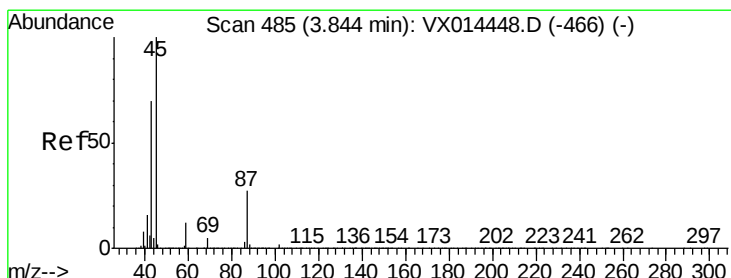
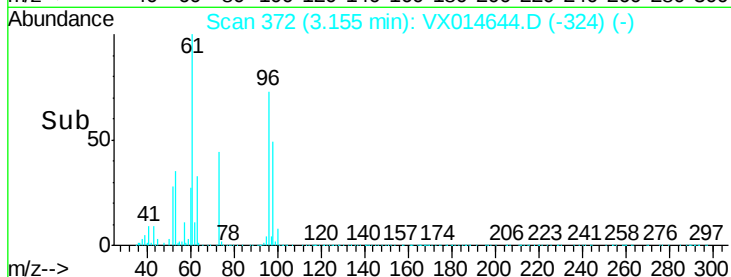
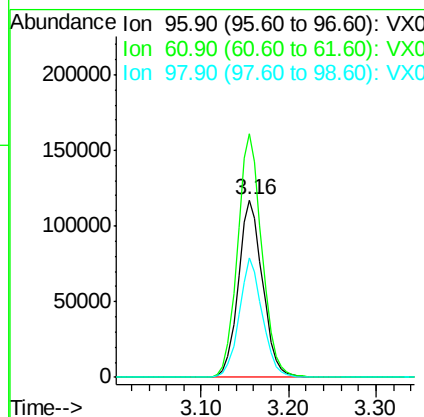
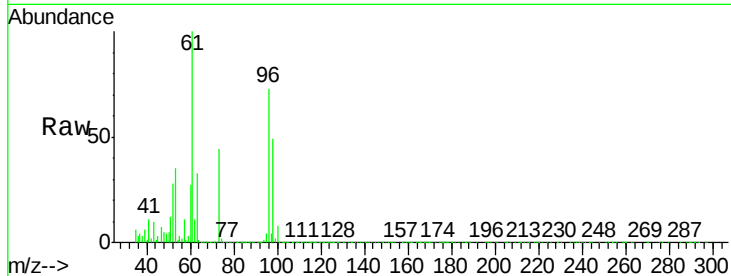
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	226703
Ion	Ratio	Lower	Upper
96	100		
61	137.3	108.2	162.4
98	67.1	48.8	73.2

Manual Integrations
APPROVED

MMDadoda
1/20/2020 11:19:41 AM



#22

Diisopropyl ether

Concen: 53.461 ug/l

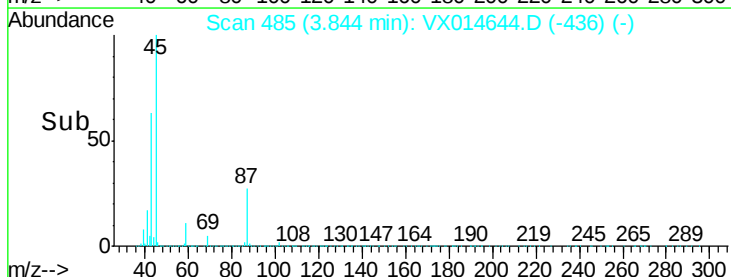
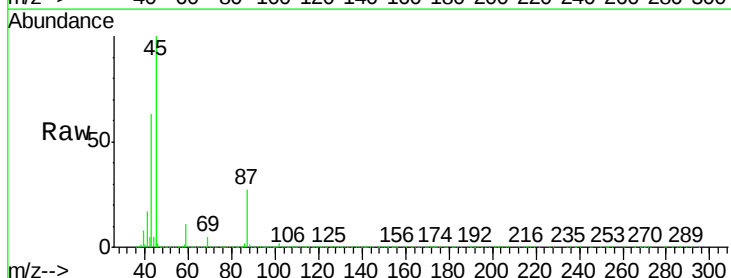
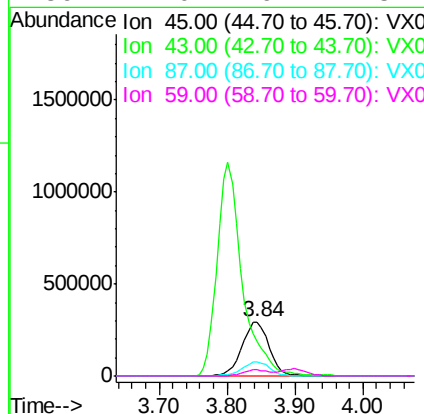
RT: 3.84 min Scan# 485

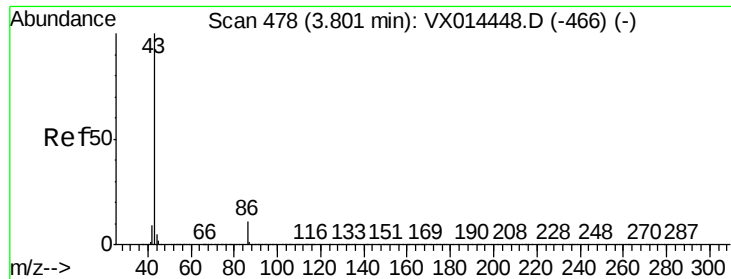
Delta R.T. 0.00 min

Lab File: VX014644.D

Acq: 17 Jan 2020 10:41

Tgt Ion:	45	Resp:	806208
Ion	Ratio	Lower	Upper
45	100		
43	62.8	55.8	83.6
87	26.8	21.8	32.8
59	11.0	9.1	13.7





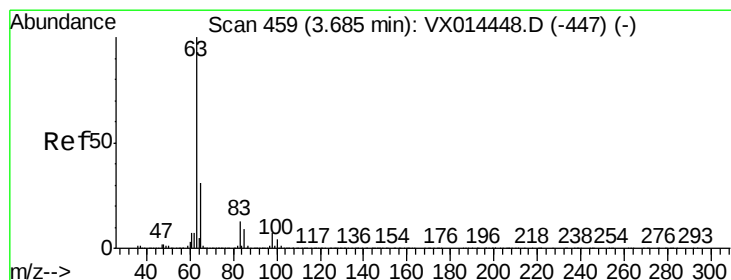
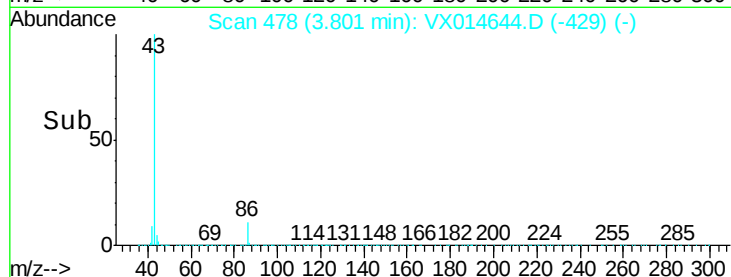
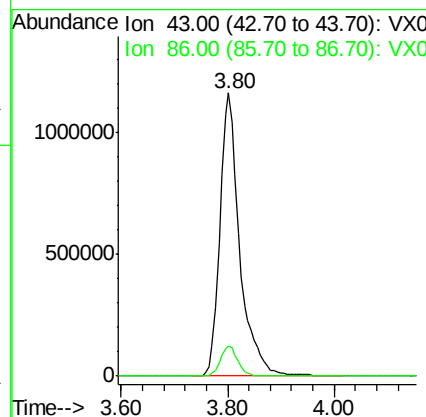
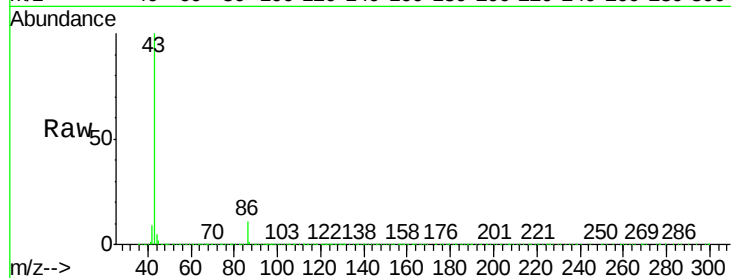
#23
 Vinyl Acetate
 Concen: 257.153 ug/l
 RT: 3.80 min Scan# 478
 Delta R.T. 0.00 min
 Lab File: VX014644.D
 Acq: 17 Jan 2020 10:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 3002383
 Ion Ratio Lower Upper
 43 100
 86 10.5 8.4 12.6

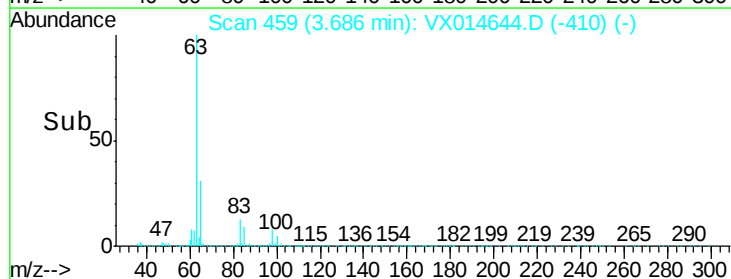
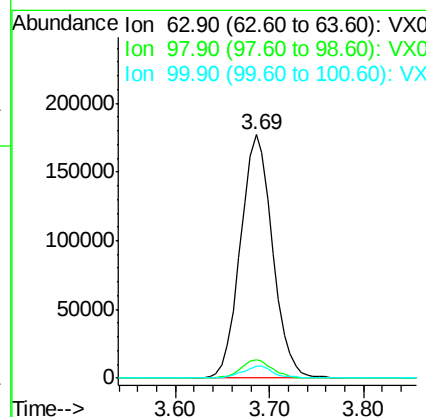
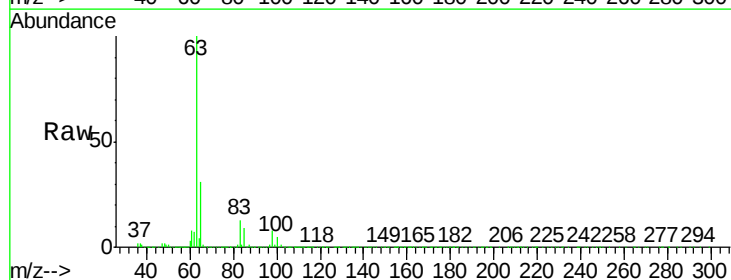
Manual Integrations
 APPROVED

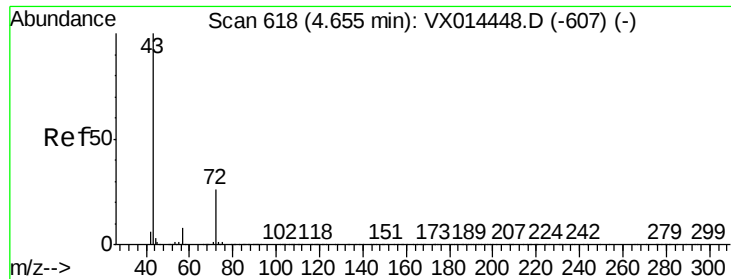
MMDadoda
 1/20/2020 11:19:41 AM



#24
 1,1-Dichloroethane
 Concen: 51.114 ug/l
 RT: 3.69 min Scan# 459
 Delta R.T. 0.00 min
 Lab File: VX014644.D
 Acq: 17 Jan 2020 10:41

Tgt Ion: 63 Resp: 419319
 Ion Ratio Lower Upper
 63 100
 98 7.6 3.6 10.9
 100 4.8 2.3 6.8





#25

2-Butanone

Concen: 244.035 ug/l

RT: 4.65 min Scan# 618

Delta R.T. 0.00 min

Lab File: VX014644.D

Acq: 17 Jan 2020 10:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 915784

Ion Ratio Lower Upper

43 100

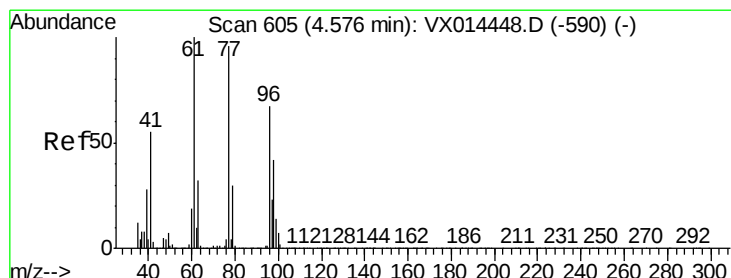
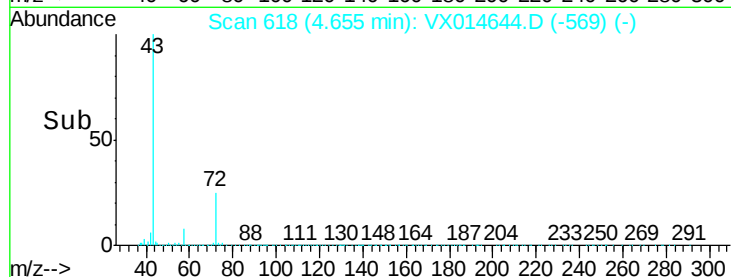
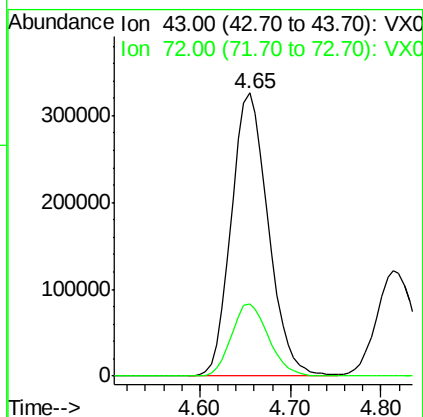
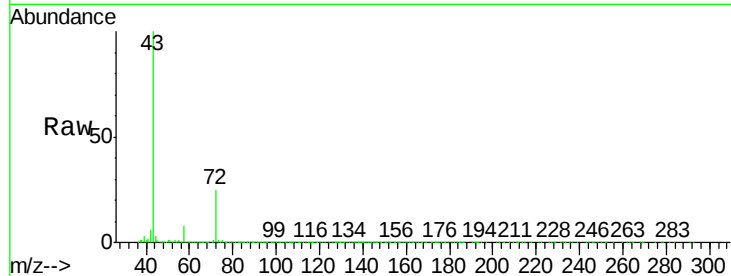
72 25.2 20.6 31.0

Manual Integrations

APPROVED

MMDadoda

1/20/2020 11:19:41 AM



#26

2,2-Dichloropropane

Concen: 48.754 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.01 min

Lab File: VX014644.D

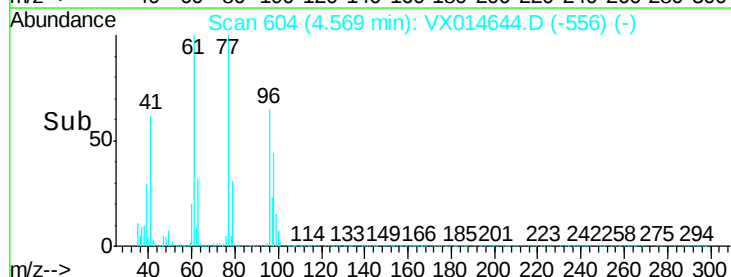
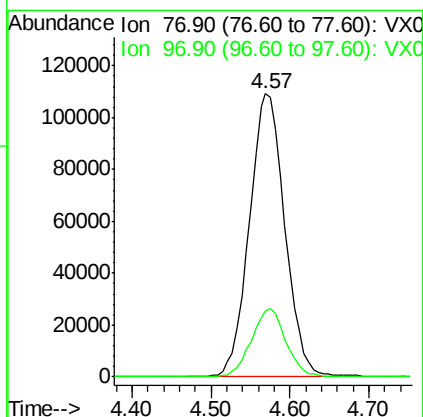
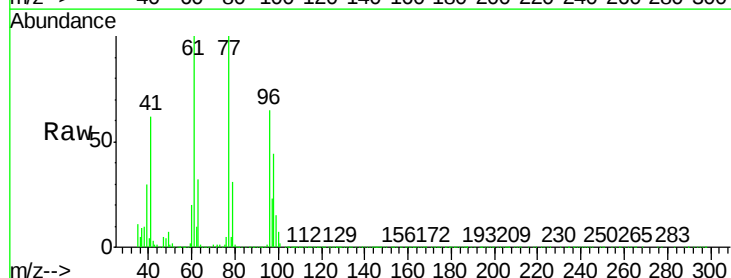
Acq: 17 Jan 2020 10:41

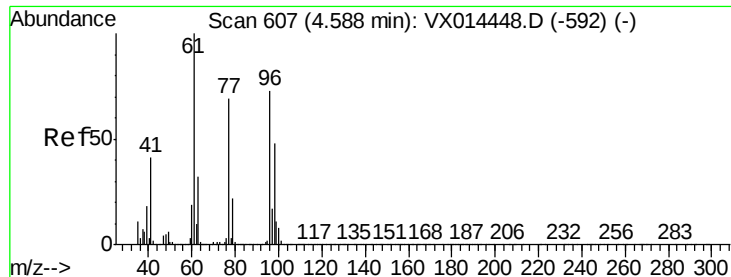
Tgt Ion: 77 Resp: 338815

Ion Ratio Lower Upper

77 100

97 23.4 11.7 35.1





#27

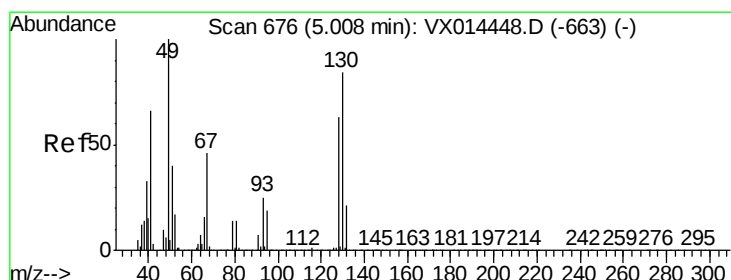
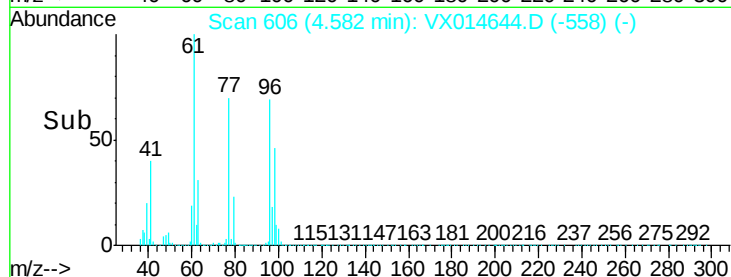
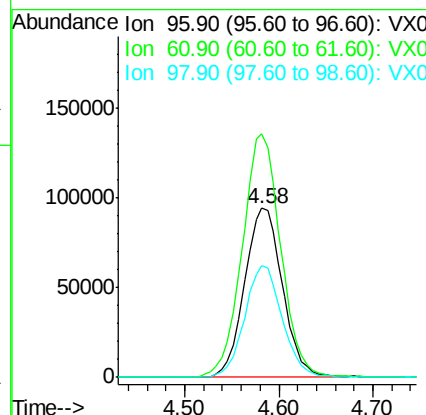
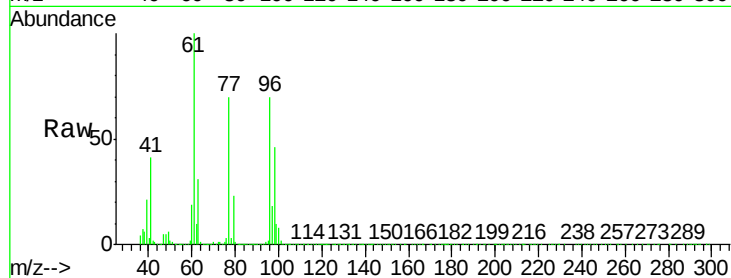
cis-1,2-Dichloroethene
Concen: 48.561 ug/l
RT: 4.58 min Scan# 606
Delta R.T. -0.01 min
Lab File: VX014644.D
Acq: 17 Jan 2020 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	263414		
61	147.4	0.0	285.4	
98	65.5	0.0	130.6	

Manual Integrations
APPROVED

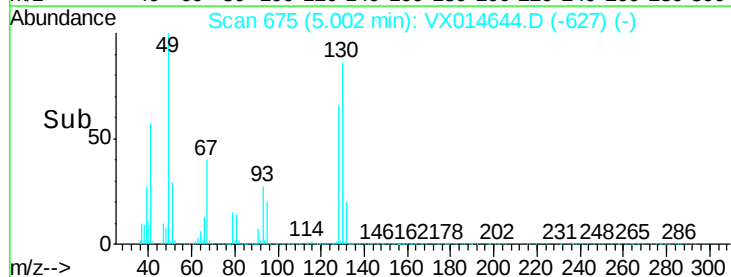
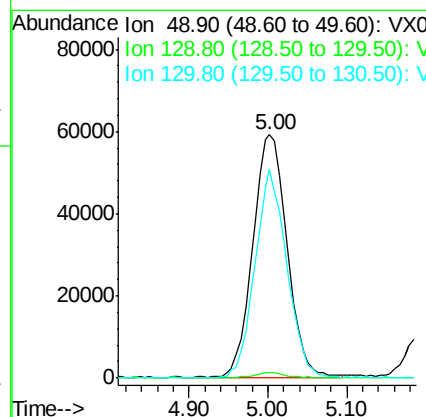
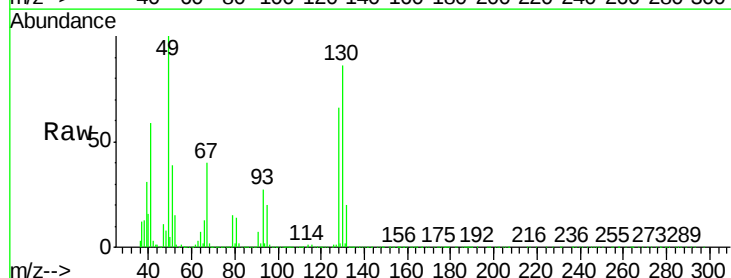
MMDadoda
1/20/2020 11:19:41 AM



#28

Bromochloromethane
Concen: 51.512 ug/l
RT: 5.00 min Scan# 675
Delta R.T. -0.01 min
Lab File: VX014644.D
Acq: 17 Jan 2020 10:41

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	178065		
129	2.3	0.0	4.4	
130	79.8	67.0	100.4	





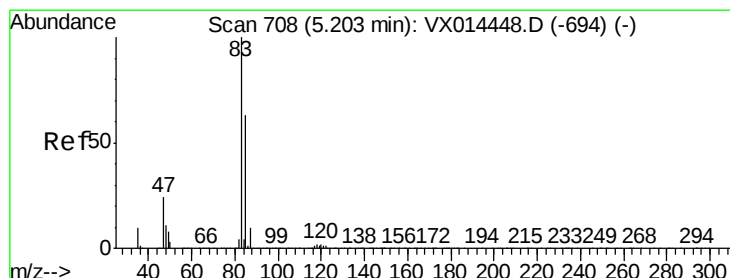
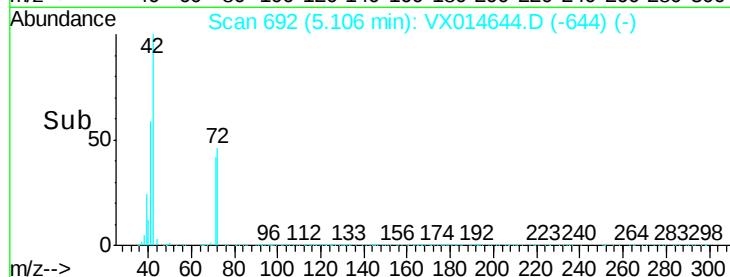
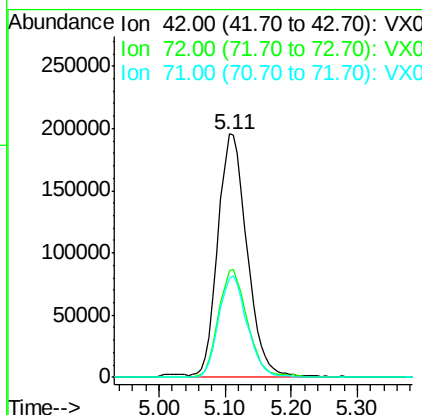
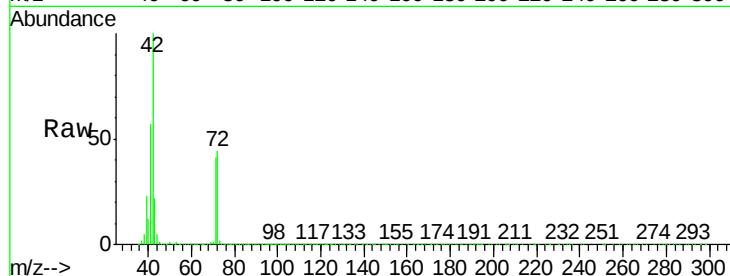
#29
Tetrahydrofuran
Concen: 267.630 ug/l
RT: 5.11 min Scan# 692
Delta R.T. -0.01 min
Lab File: VX014644.D
Acq: 17 Jan 2020 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.4	36.2	54.4
71	40.7	34.1	51.1

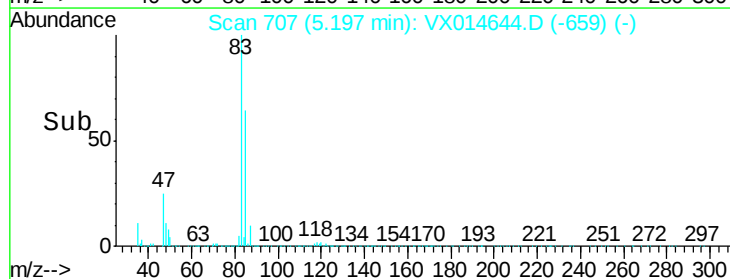
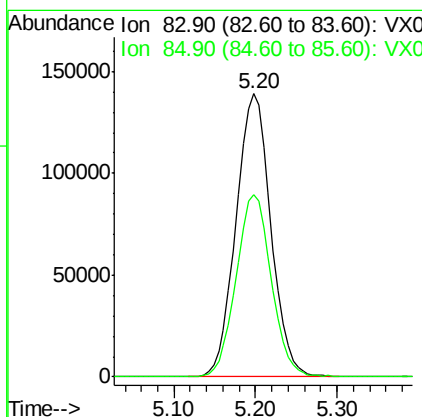
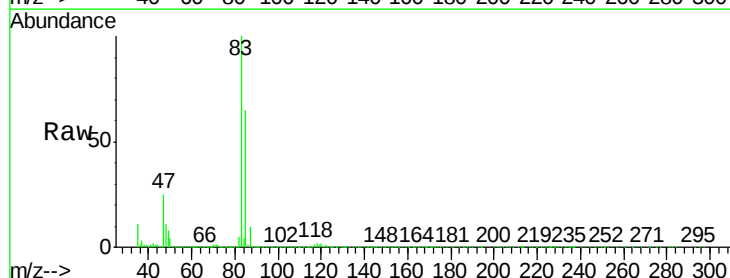
Manual Integrations
APPROVED

MMDadoda
1/20/2020 11:19:41 AM



#30
Chloroform
Concen: 51.280 ug/l
RT: 5.20 min Scan# 707
Delta R.T. -0.01 min
Lab File: VX014644.D
Acq: 17 Jan 2020 10:41

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	50.6	75.8





#31

Cyclohexane

Concen: 51.213 ug/l

RT: 5.57 min Scan# 768

Delta R.T. -0.01 min

Lab File: VX014644.D

Acq: 17 Jan 2020 10:41

Instrument :

MSVOA_X

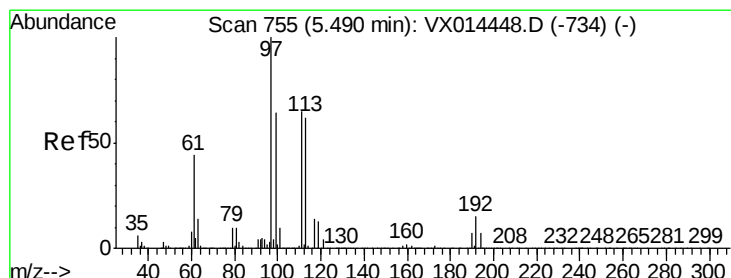
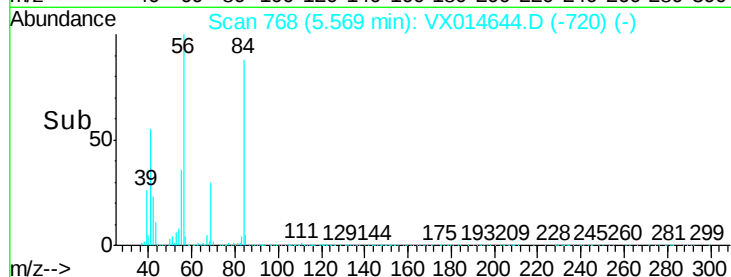
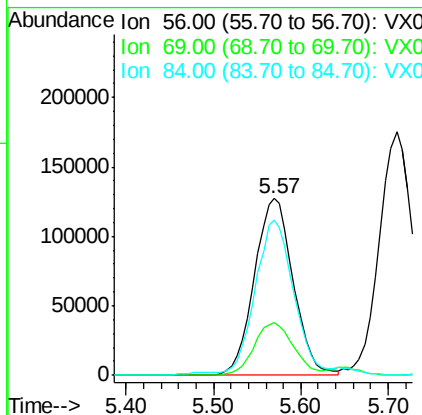
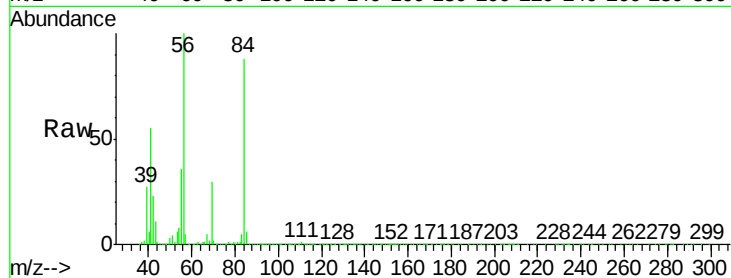
ClientSampled :

VSTDCCC050

Tot Ion:	56	Resp:	393250
Ion Ratio	Lower	Upper	
56	100		
69	29.8	24.4	36.6
84	86.7	70.6	106.0

Manual Integrations
APPROVED

MMDadoda
1/20/2020 11:19:41 AM



#32

1,1,1-Trichloroethane

Concen: 51.165 ug/l

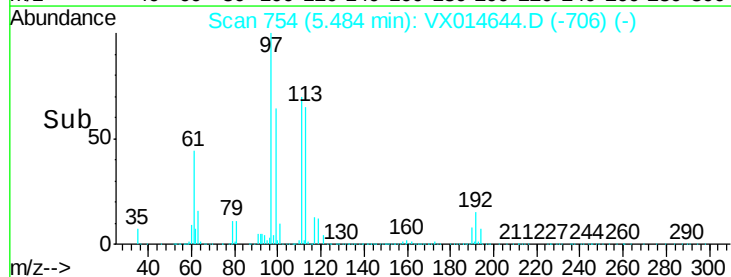
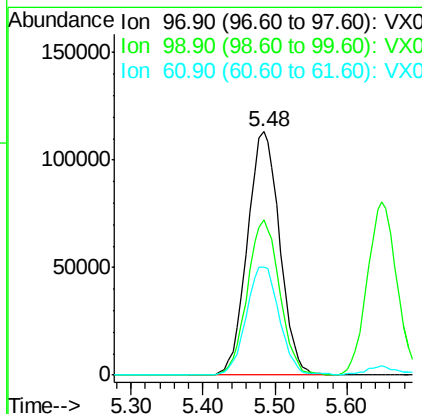
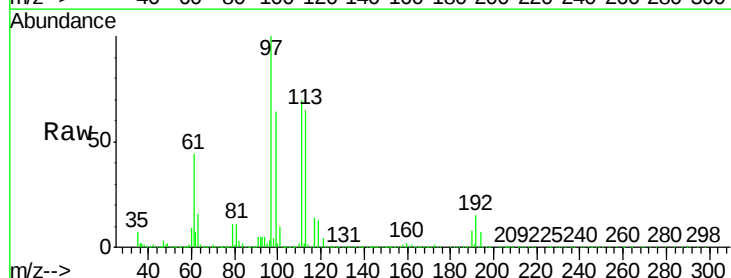
RT: 5.48 min Scan# 754

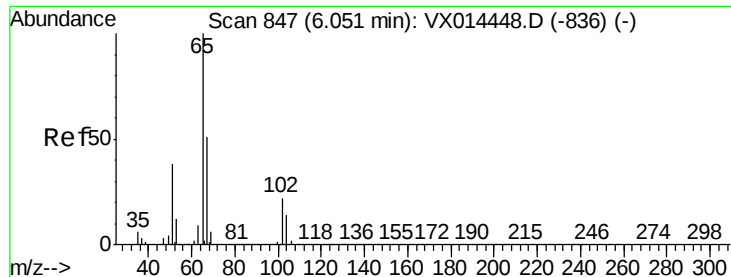
Delta R.T. -0.01 min

Lab File: VX014644.D

Acq: 17 Jan 2020 10:41

Tgt Ion:	97	Resp:	351088
Ion Ratio	Lower	Upper	
97	100		
99	63.6	51.8	77.6
61	45.2	35.9	53.9





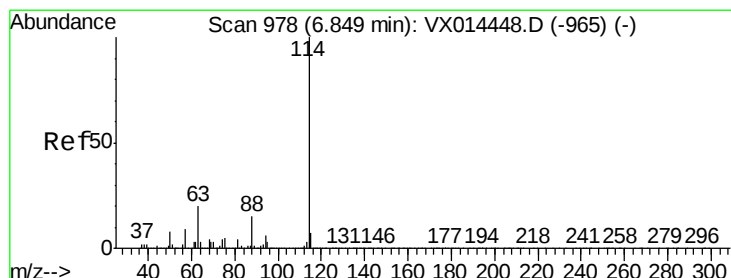
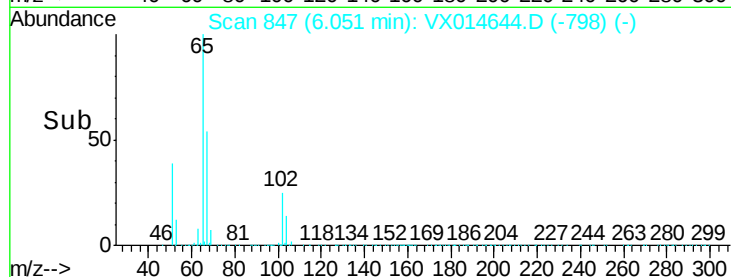
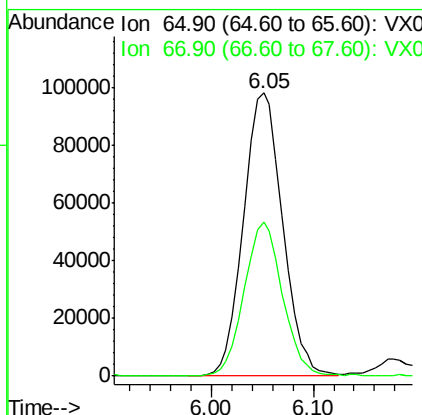
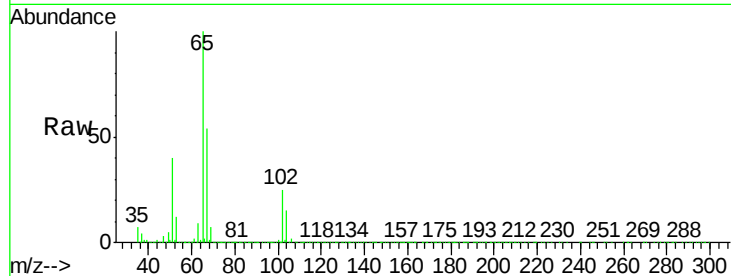
#33
 1,2-Dichloroethane-d4
 Concen: 52.099 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX014644.D
 Acq: 17 Jan 2020 10:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.0	0.0	106.2

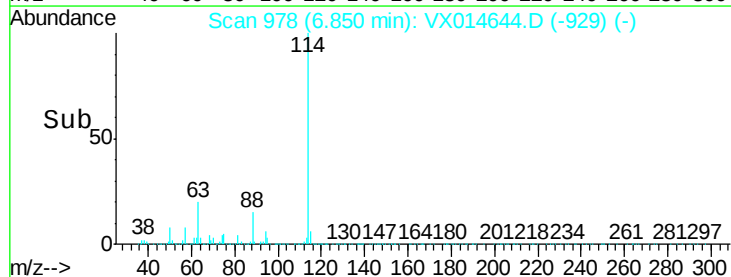
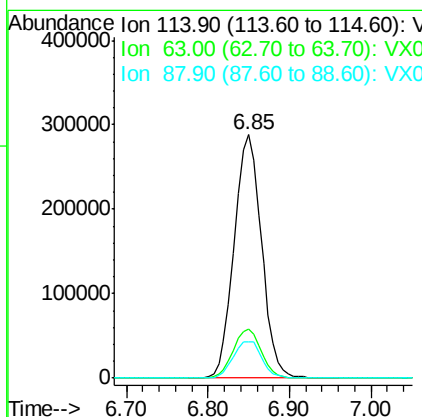
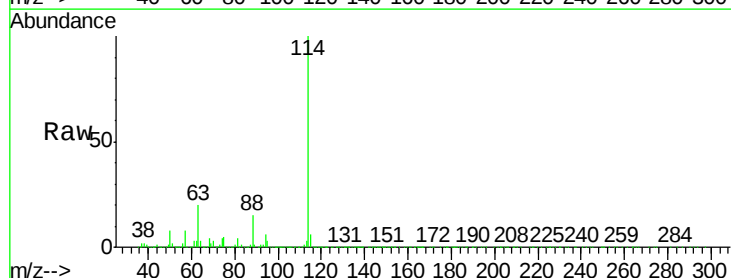
Manual Integrations
 APPROVED

MMDadoda
 1/20/2020 11:19:41 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX014644.D
 Acq: 17 Jan 2020 10:41

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.0	0.0	39.6
88	14.6	0.0	30.8





#35

Dibromofluoromethane

Concen: 53.183 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX014644.D

Acq: 17 Jan 2020 10:41

Instrument :

MSVOA_X

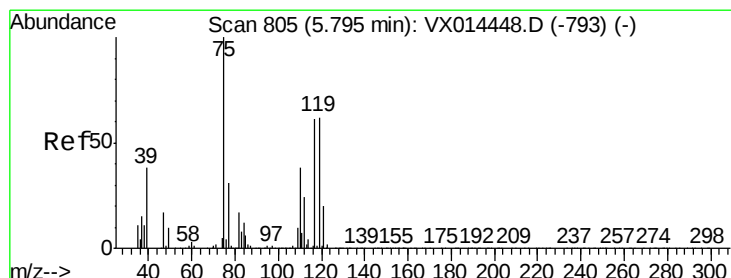
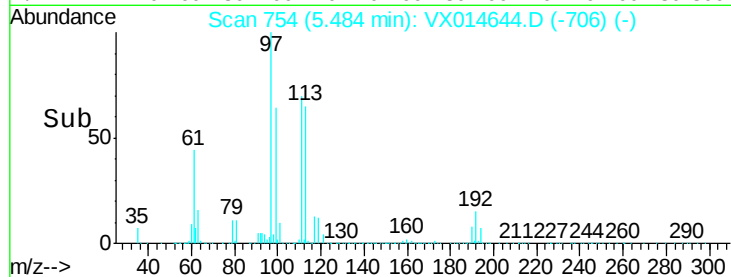
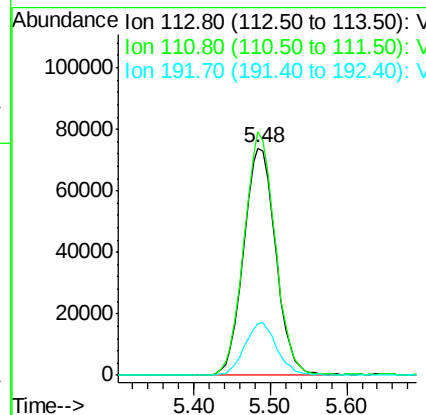
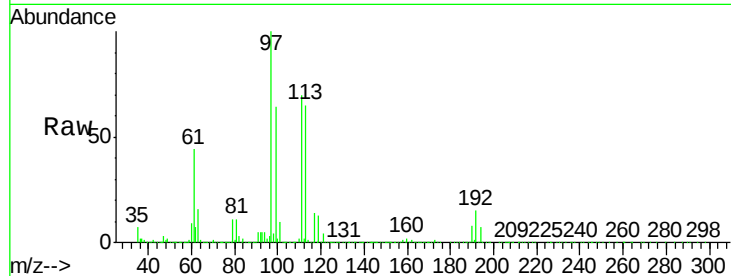
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	214935
Ion Ratio	Lower	Upper	
113	100		
111	103.8	81.5	122.3
192	23.4	19.2	28.8

Manual Integrations
APPROVED

MMDadoda
1/20/2020 11:19:41 AM



#36

1,1-Dichloropropene

Concen: 49.599 ug/l

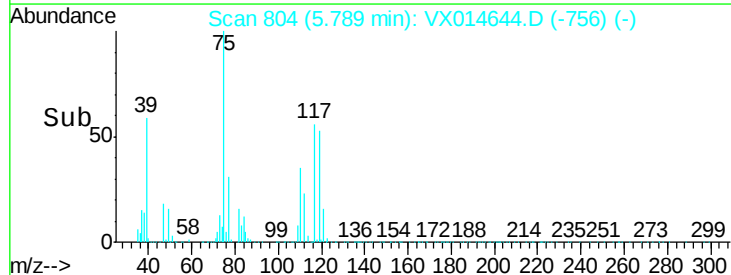
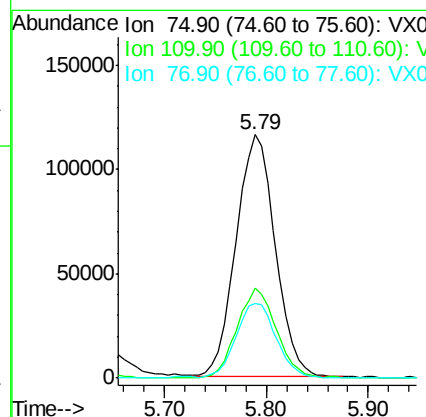
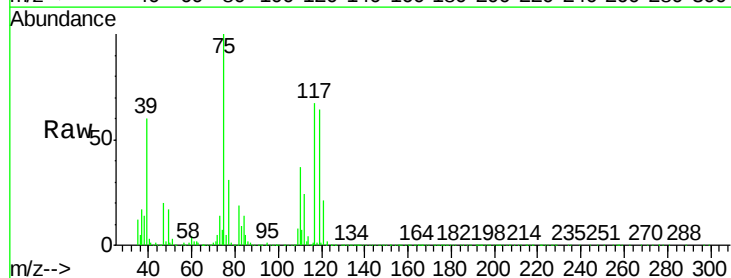
RT: 5.79 min Scan# 804

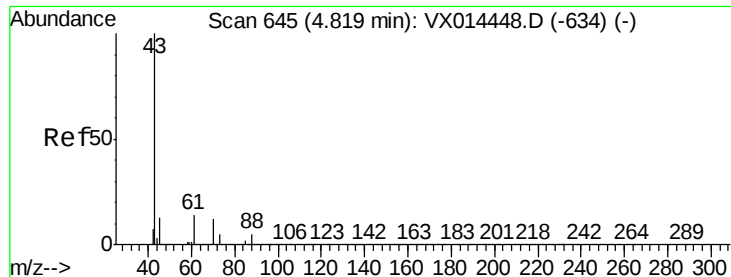
Delta R.T. -0.01 min

Lab File: VX014644.D

Acq: 17 Jan 2020 10:41

Tgt Ion:	75	Resp:	311402
Ion Ratio	Lower	Upper	
75	100		
110	36.9	18.6	55.8
77	31.3	24.5	36.7





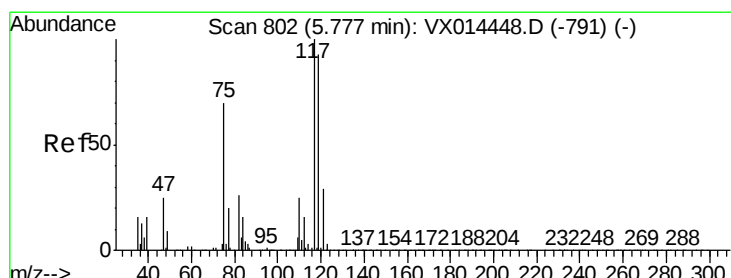
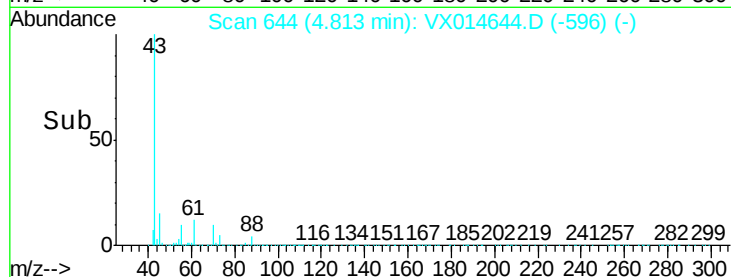
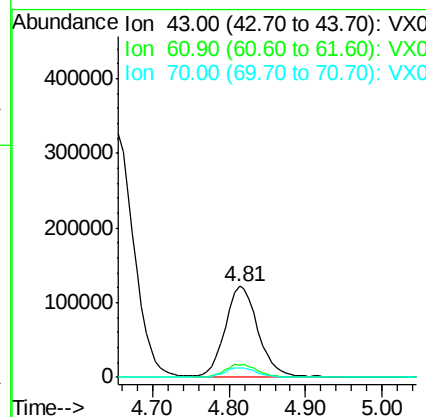
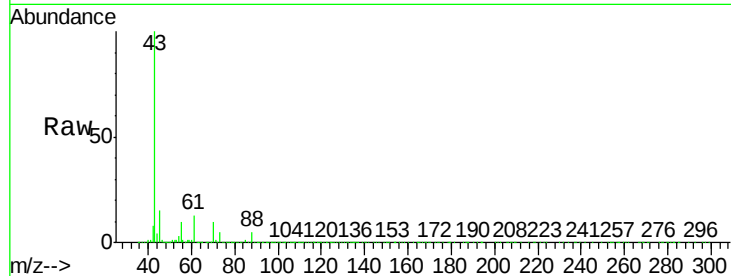
#37
Ethyl Acetate
Concen: 52.523 ug/l
RT: 4.81 min Scan# 644
Delta R.T. -0.01 min
Lab File: VX014644.D
Acq: 17 Jan 2020 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	11.1	16.7
70	10.6	8.9	13.3

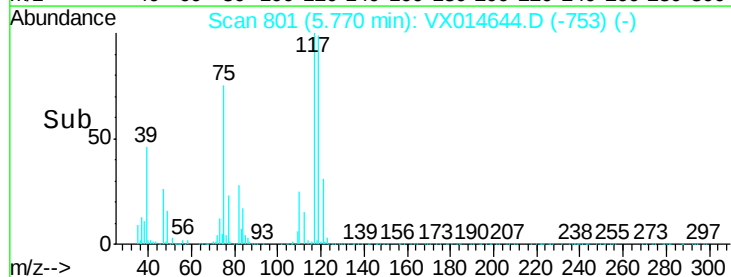
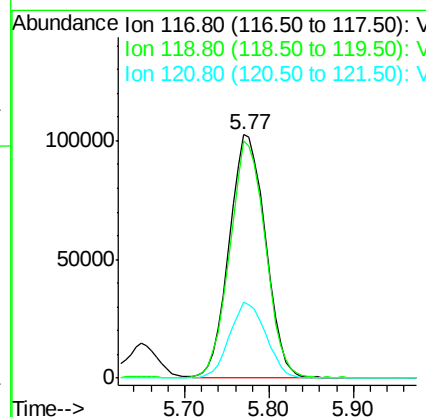
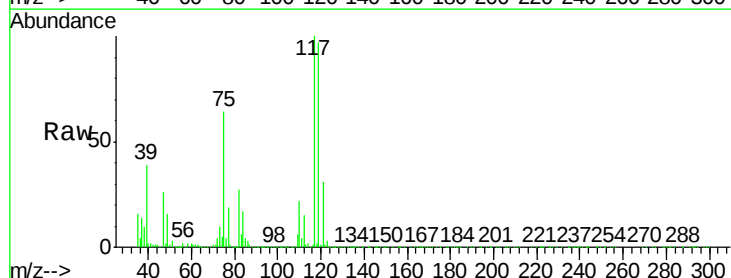
Manual Integrations
APPROVED

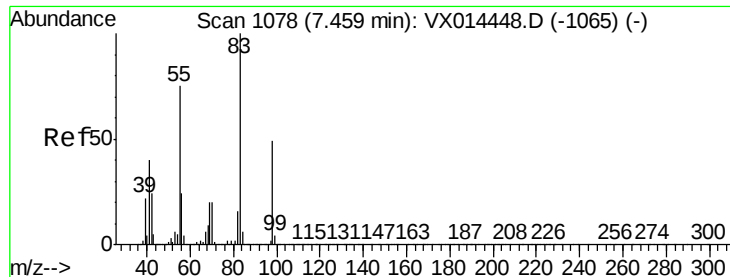
MMDadoda
1/20/2020 11:19:41 AM



#38
Carbon Tetrachloride
Concen: 51.738 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.01 min
Lab File: VX014644.D
Acq: 17 Jan 2020 10:41

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.2	73.8	110.8
121	31.1	23.4	35.0





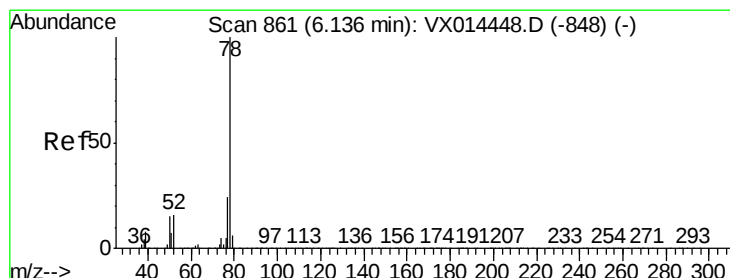
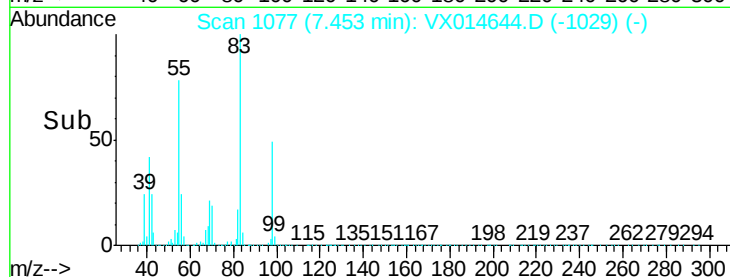
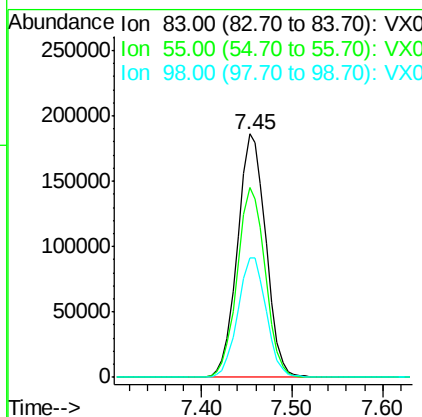
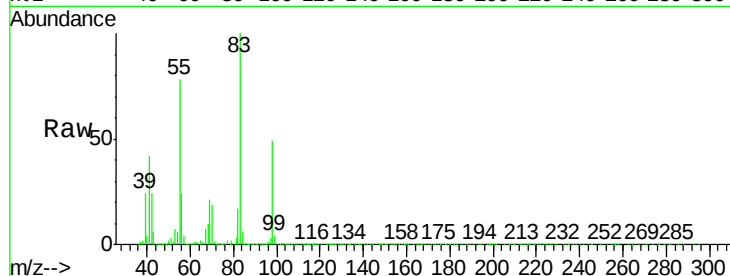
#39
Methvlcvclohexane
Concen: 50.919 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.01 min
Lab File: VX014644.D
Acq: 17 Jan 2020 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.6	59.7	89.5
98	49.3	39.1	58.7

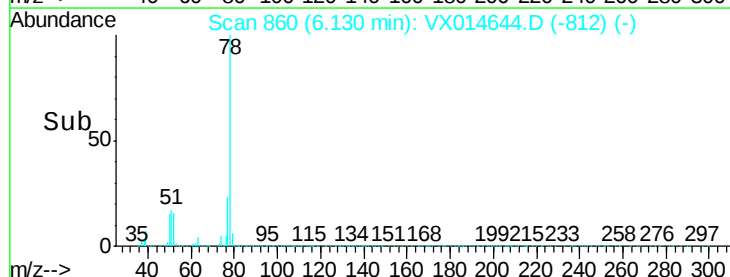
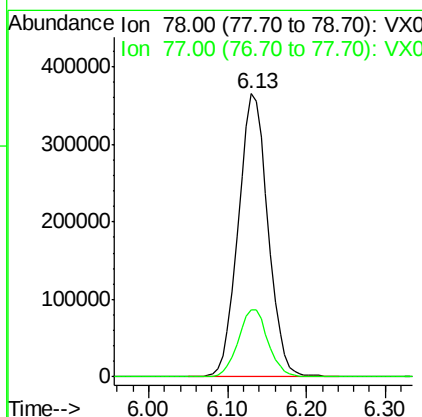
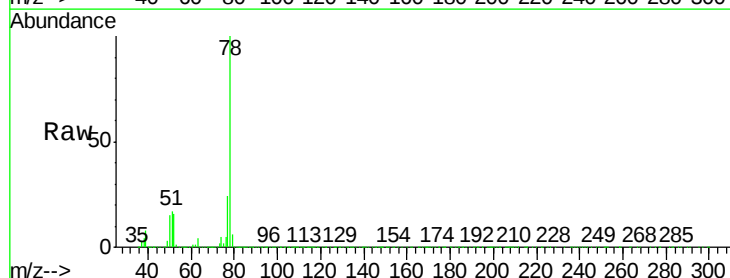
Manual Integrations
APPROVED

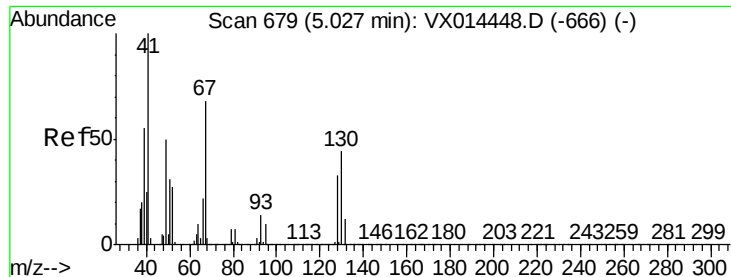
MMDadoda
1/20/2020 11:19:41 AM



#40
Benzene
Concen: 51.288 ug/l
RT: 6.13 min Scan# 860
Delta R.T. -0.01 min
Lab File: VX014644.D
Acq: 17 Jan 2020 10:41

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.5	29.3





#41

Methacrylonitrile

Concen: 54.560 ug/l

RT: 5.03 min Scan# 679

Delta R.T. 0.00 min

Lab File: VX014644.D

Acq: 17 Jan 2020 10:41

Instrument :

MSVOA_X

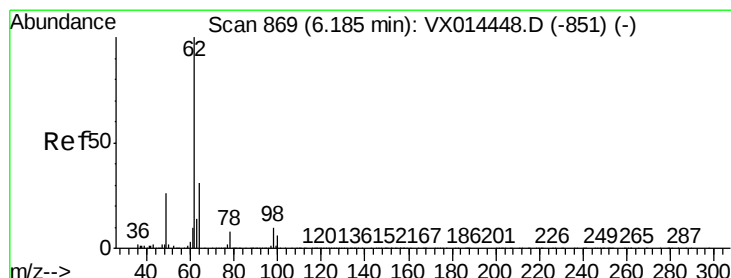
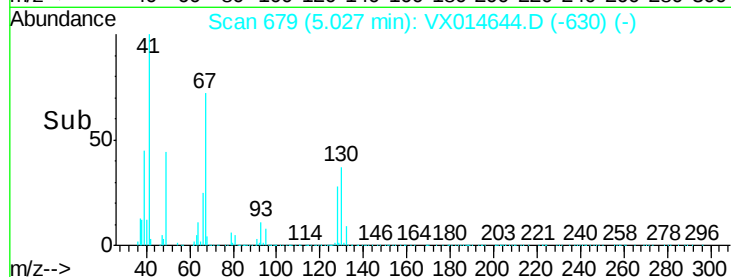
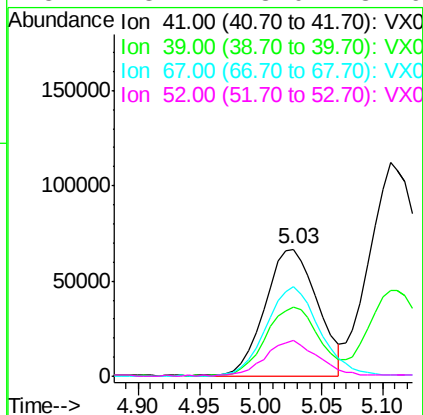
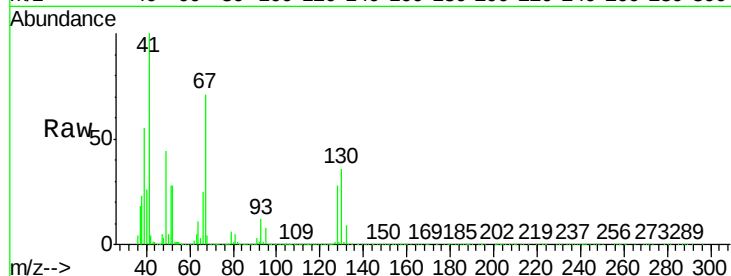
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		198418		
39	55.4	43.6	65.4		
67	72.1	57.9	86.9		
52	28.4	23.0	34.6		

Manual Integrations
APPROVED

MMDadoda
1/20/2020 11:19:41 AM



#42

1,2-Dichloroethane

Concen: 51.523 ug/l

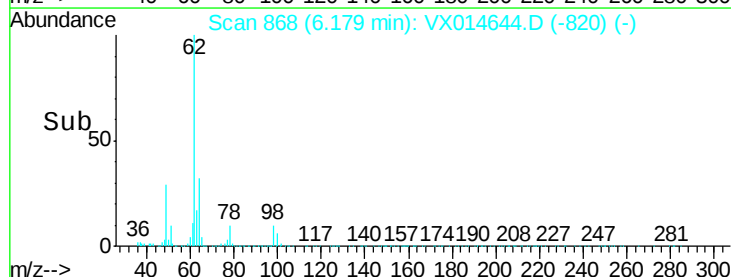
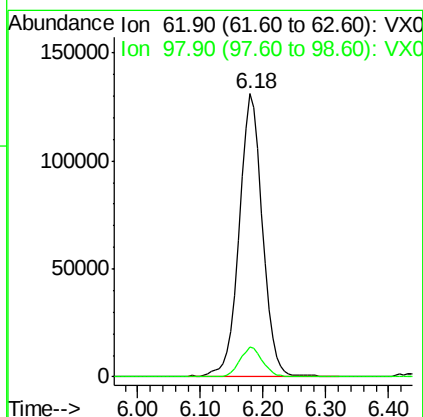
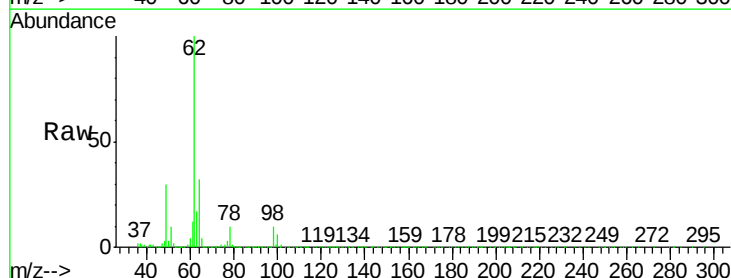
RT: 6.18 min Scan# 868

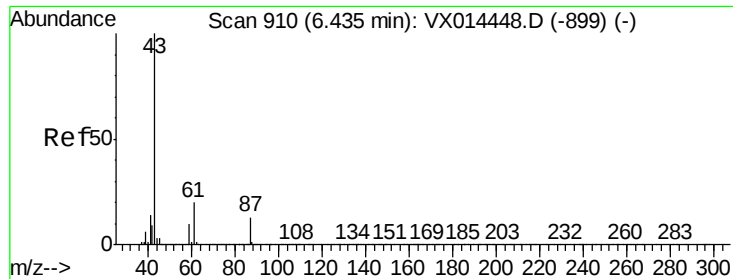
Delta R.T. -0.01 min

Lab File: VX014644.D

Acq: 17 Jan 2020 10:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		335688		
98	10.5	0.0	20.4		





#43

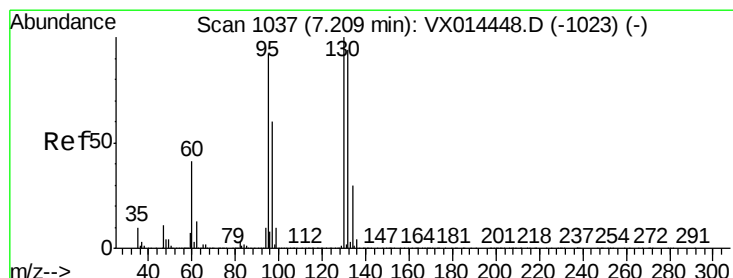
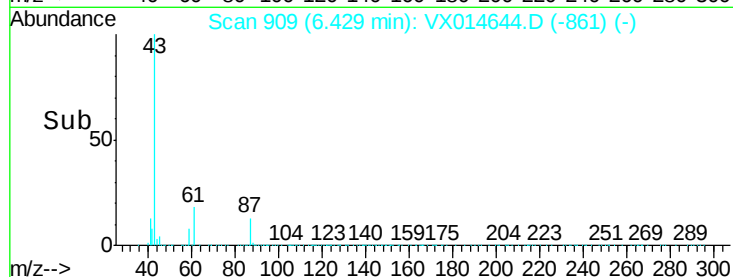
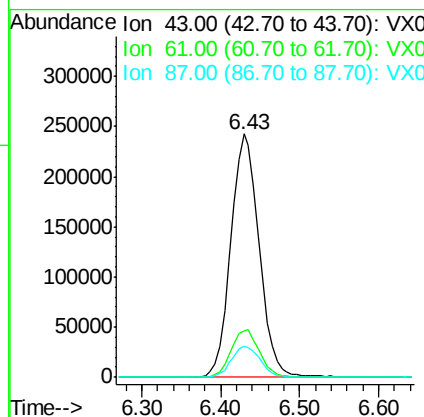
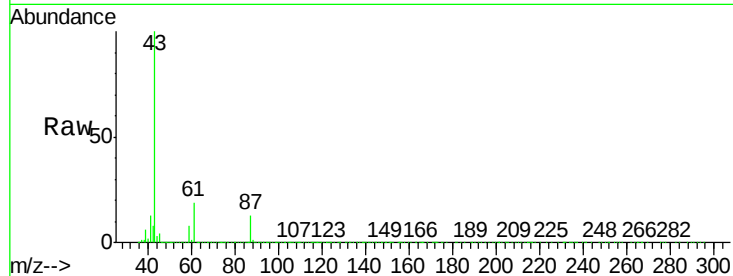
Isopropyl Acetate
 Concen: 54.619 ug/l
 RT: 6.43 min Scan# 909
 Delta R.T. -0.01 min
 Lab File: VX014644.D
 Acq: 17 Jan 2020 10:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.7	16.6	24.8
87	13.0	10.8	16.2

Manual Integrations
 APPROVED

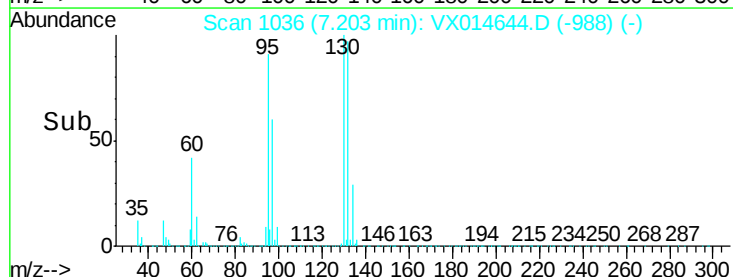
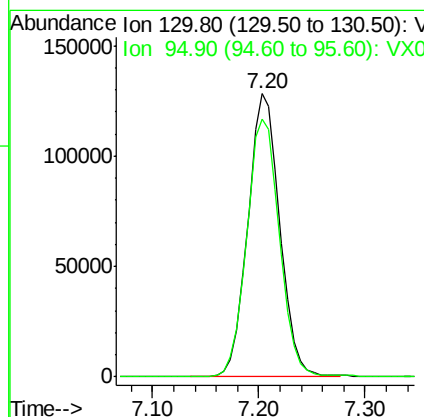
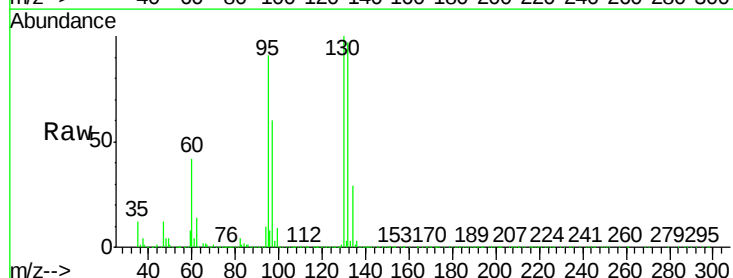
MMDadoda
 1/20/2020 11:19:41 AM

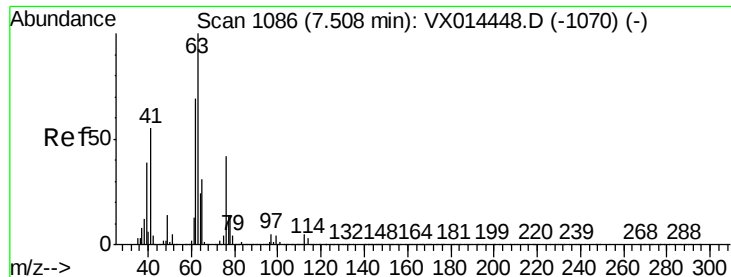


#44

Trichloroethene
 Concen: 50.283 ug/l
 RT: 7.20 min Scan# 1036
 Delta R.T. -0.01 min
 Lab File: VX014644.D
 Acq: 17 Jan 2020 10:41

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.0	0.0	184.2





#45

1,2-Dichloropropane

Concen: 54.427 ug/l

RT: 7.50 min Scan# 1085

Delta R.T. -0.01 min

Lab File: VX014644.D

Acq: 17 Jan 2020 10:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 258570

Ion Ratio Lower Upper

63 100

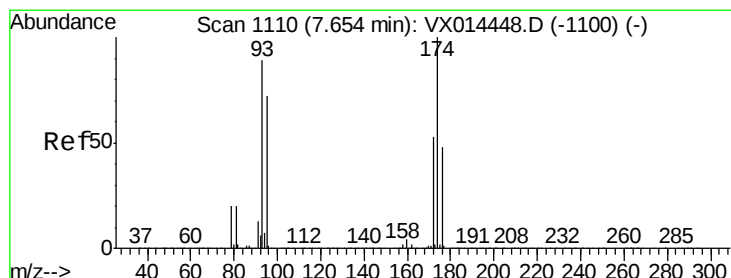
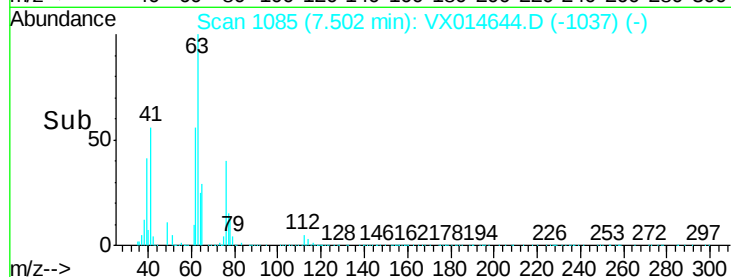
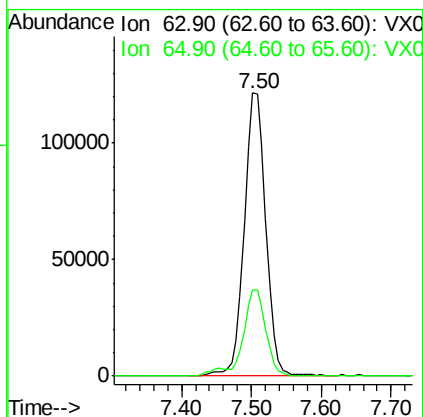
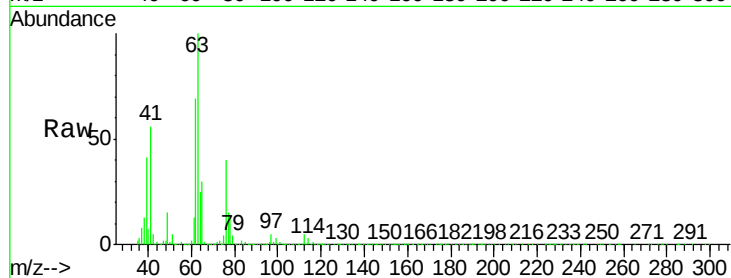
65 30.3 24.8 37.2

Manual Integrations

APPROVED

MMDadoda

1/20/2020 11:19:41 AM



#46

Dibromomethane

Concen: 49.631 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VX014644.D

Acq: 17 Jan 2020 10:41

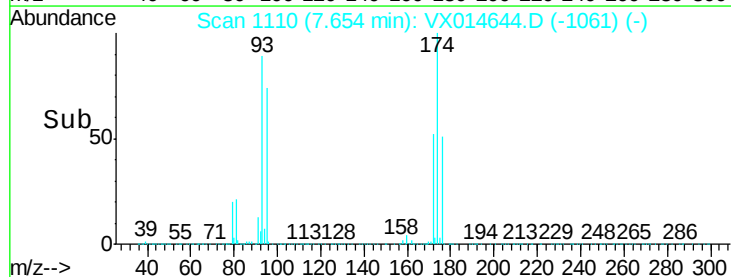
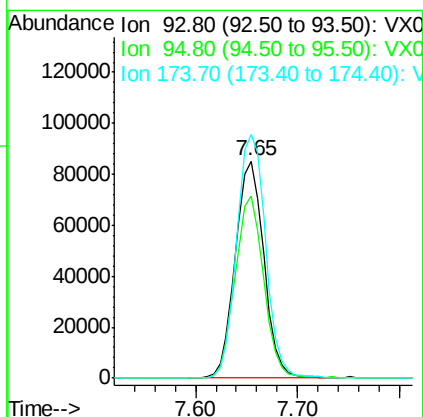
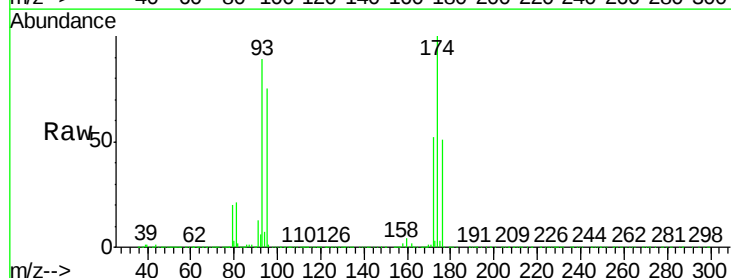
Tgt Ion: 93 Resp: 164570

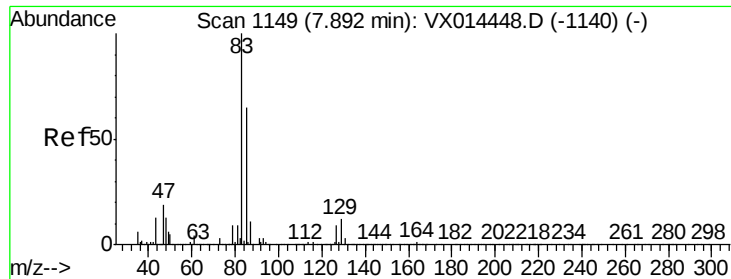
Ion Ratio Lower Upper

93 100

95 83.5 65.4 98.2

174 114.1 93.0 139.4





#47

Bromodichloromethane

Concen: 53.829 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX014644.D

Acq: 17 Jan 2020 10:41

Instrument :

MSVOA_X

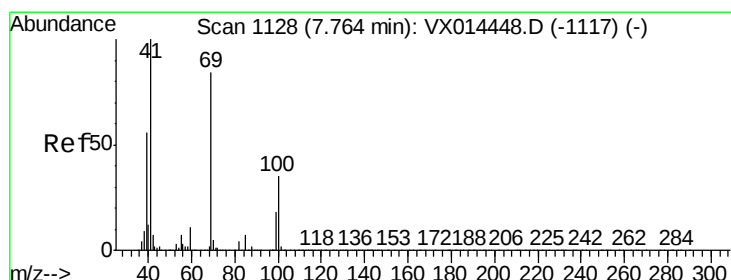
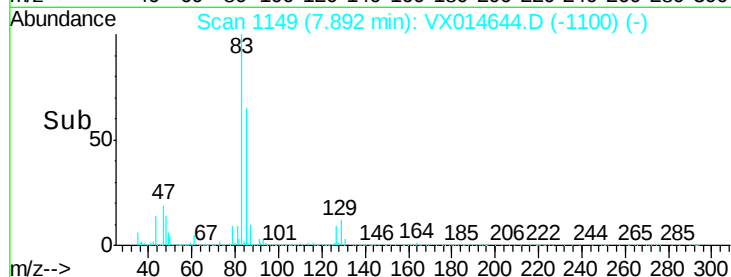
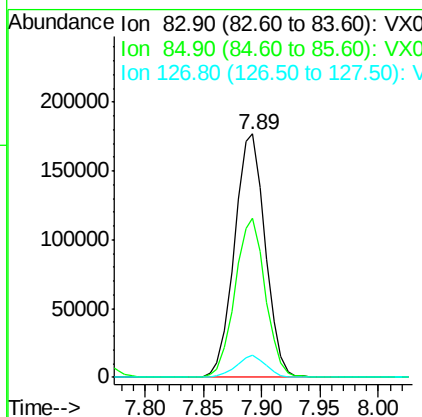
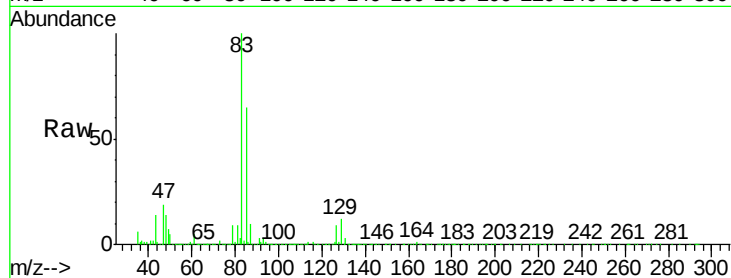
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	324780
Ion Ratio	Lower	Upper	
83	100		
85	65.0	51.7	77.5
127	9.0	7.1	10.7

Manual Integrations
APPROVED

MMDadoda
1/20/2020 11:19:41 AM



#48

Methyl methacrylate

Concen: 55.184 ug/l

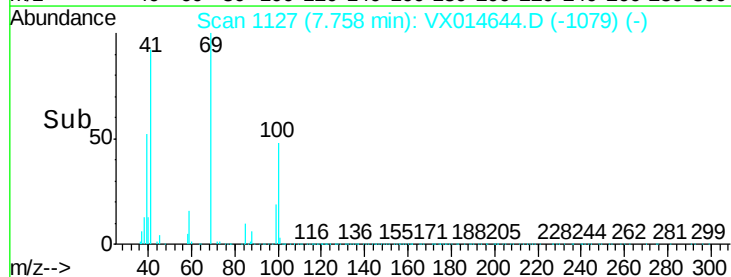
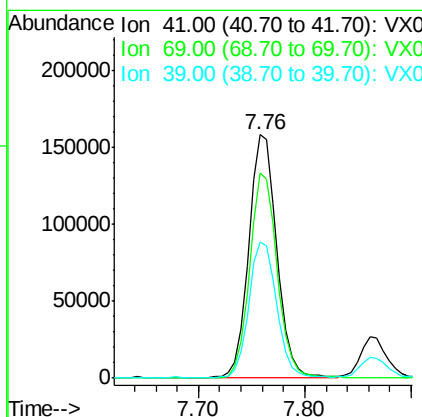
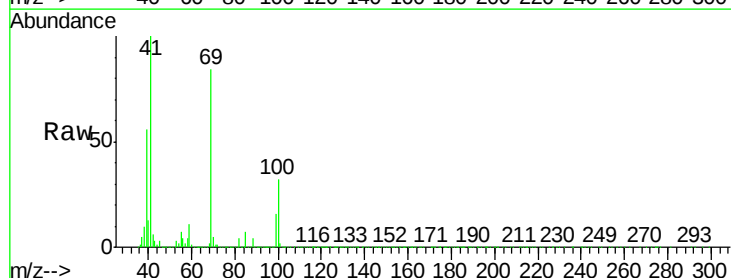
RT: 7.76 min Scan# 1127

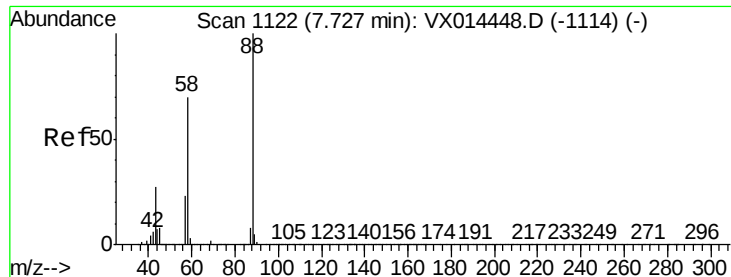
Delta R.T. -0.01 min

Lab File: VX014644.D

Acq: 17 Jan 2020 10:41

Tgt Ion:	41	Resp:	291169
Ion Ratio	Lower	Upper	
41	100		
69	83.0	65.5	98.3
39	55.3	43.9	65.9





#49

1,4-Dioxane

Concen: 942.739 ug/l

RT: 7.73 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VX014644.D

Acq: 17 Jan 2020 10:41

Instrument :

MSVOA_X

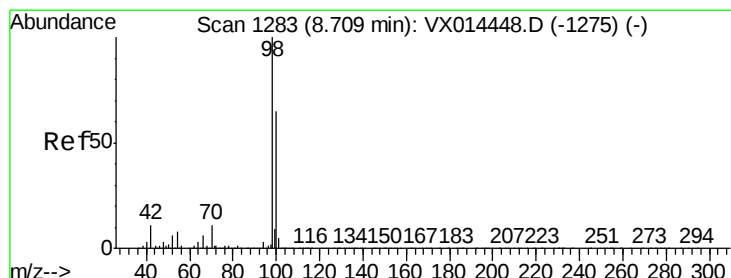
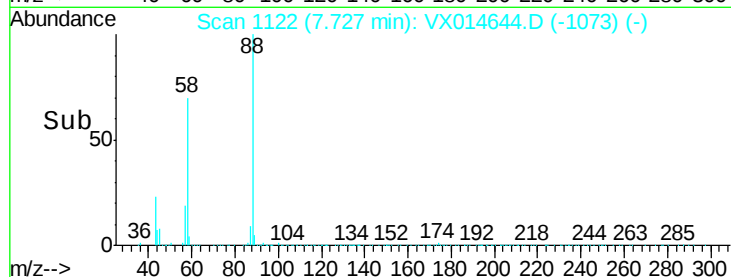
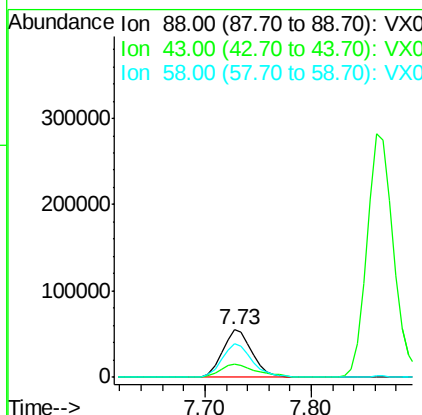
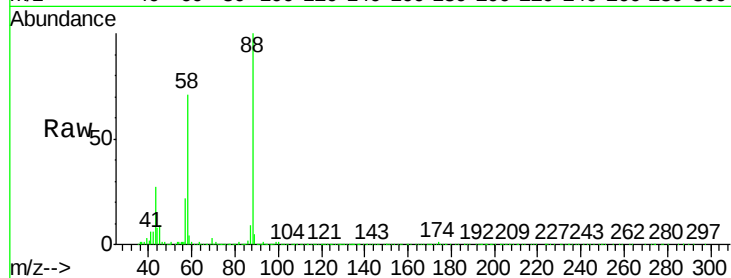
ClientSampleId :

VSTDCCC050

Tot Ion:	88	Resp:	105399
Ion	Ratio	Lower	Upper
88	100		
43	32.8	27.4	41.0
58	71.1	57.1	85.7

Manual Integrations
APPROVED

MMDadoda
1/20/2020 11:19:41 AM



#50

Toluene-d8

Concen: 52.861 ug/l

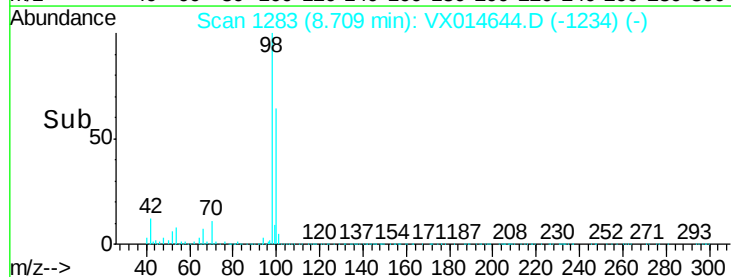
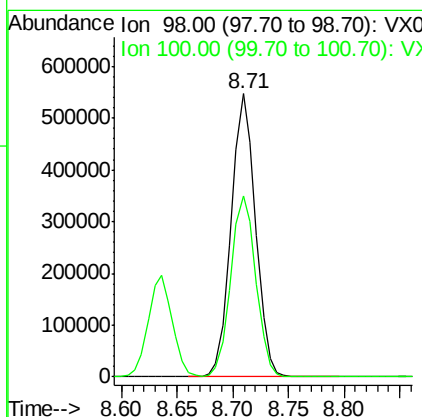
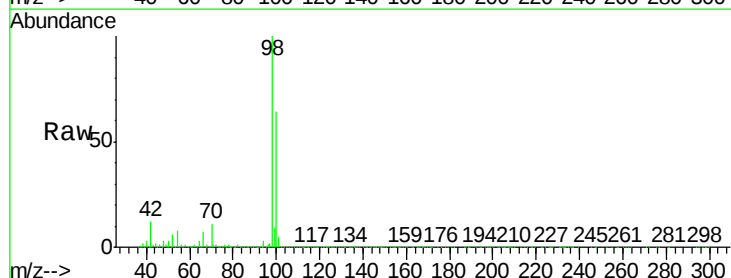
RT: 8.71 min Scan# 1283

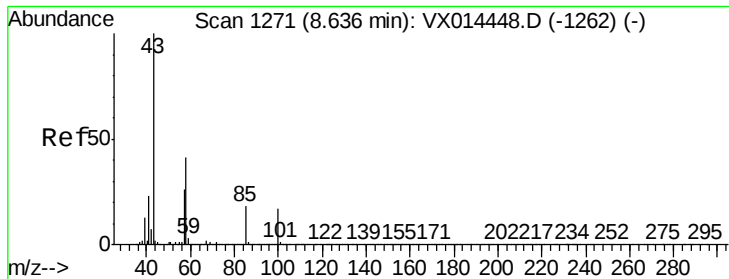
Delta R.T. 0.00 min

Lab File: VX014644.D

Acq: 17 Jan 2020 10:41

Tgt Ion:	98	Resp:	829029
Ion	Ratio	Lower	Upper
98	100		
100	66.0	53.2	79.8





#51

4-Methyl-2-Pentanone

Concen: 277.371 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX014644.D

Acq: 17 Jan 2020 10:41

Tot Ion: 43 Resp: 1862047

Ion Ratio Lower Upper

43 100

58 39.7 32.4 48.6

Instrument :

MSVOA_X

ClientSampleId :

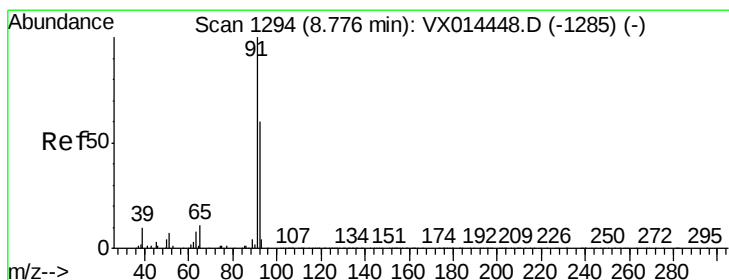
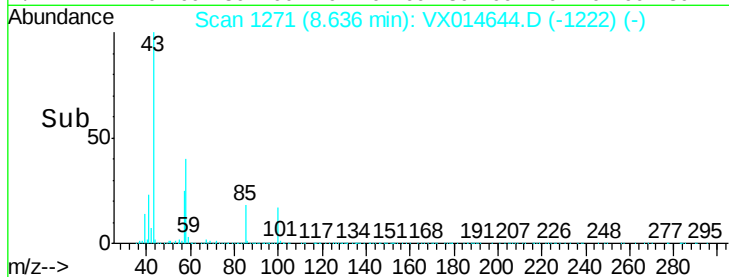
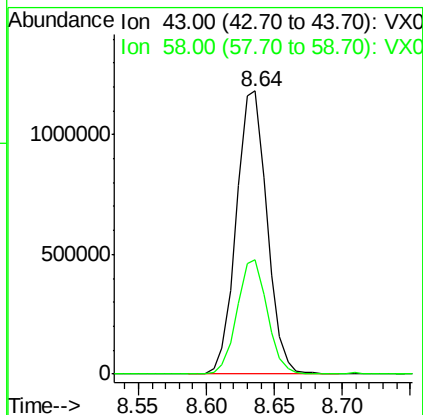
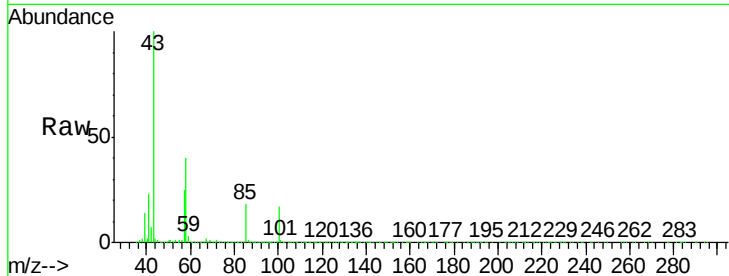
VSTDCCC050

Manual Integrations

APPROVED

MMDadoda

1/20/2020 11:19:41 AM



#52

Toluene

Concen: 50.531 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX014644.D

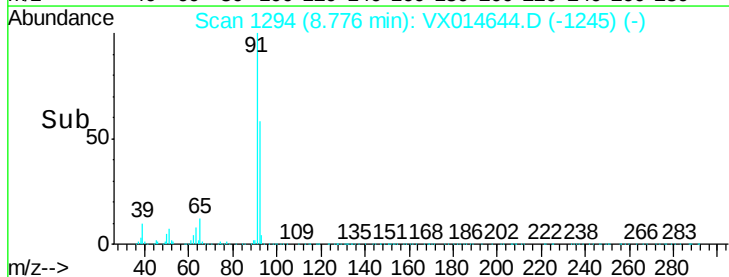
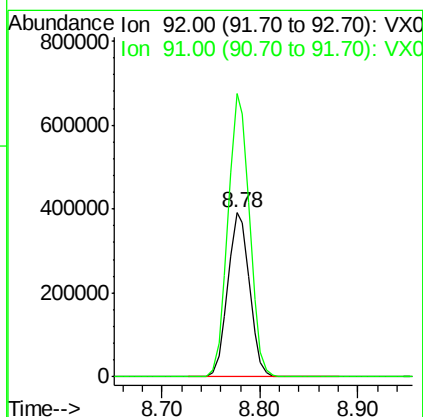
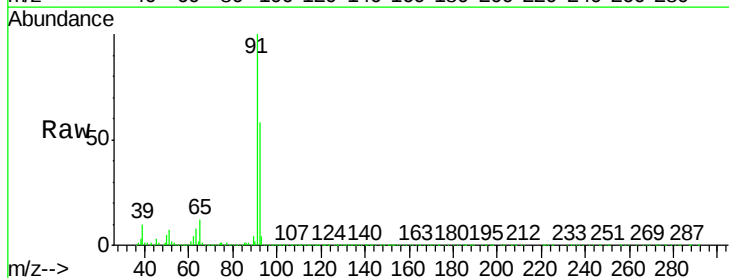
Acq: 17 Jan 2020 10:41

Tgt Ion: 92 Resp: 602755

Ion Ratio Lower Upper

92 100

91 171.0 135.7 203.5





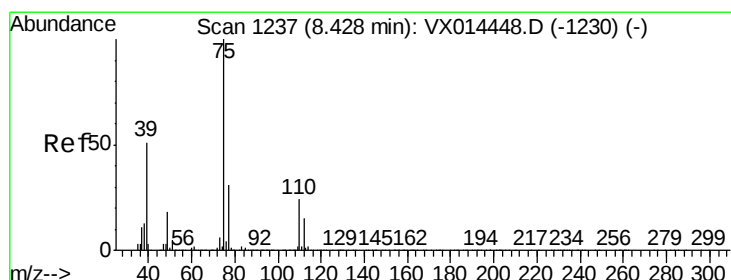
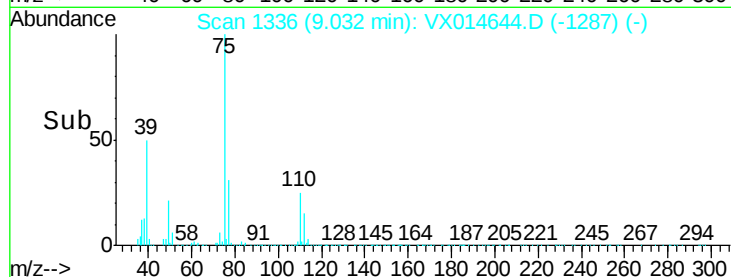
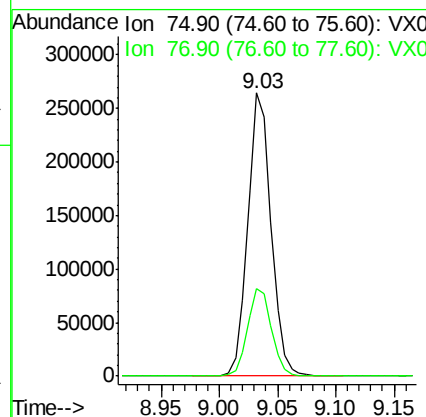
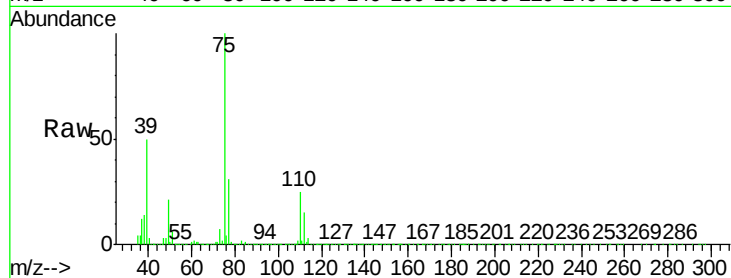
#53
t-1,3-Dichloropropene
Concen: 52.418 ug/l
RT: 9.03 min Scan# 1336
Delta R.T. 0.00 min
Lab File: VX014644.D
Acq: 17 Jan 2020 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.0	25.4	38.2

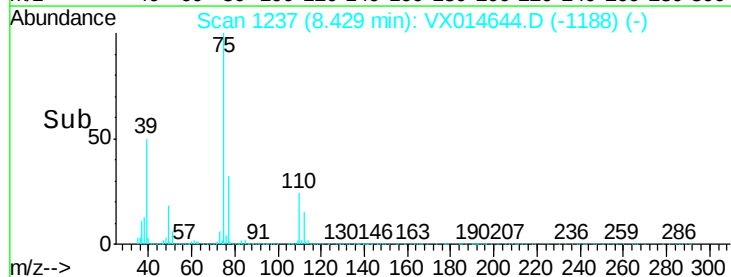
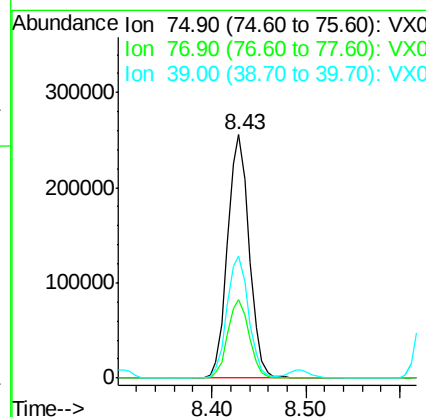
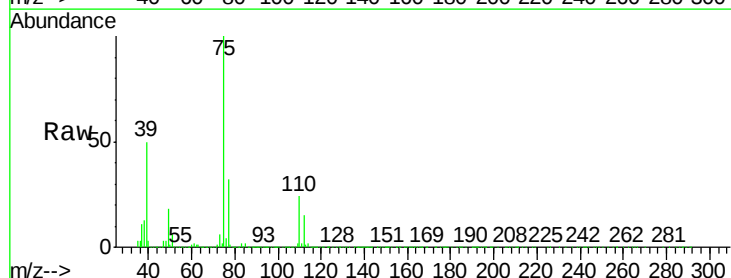
Manual Integrations
APPROVED

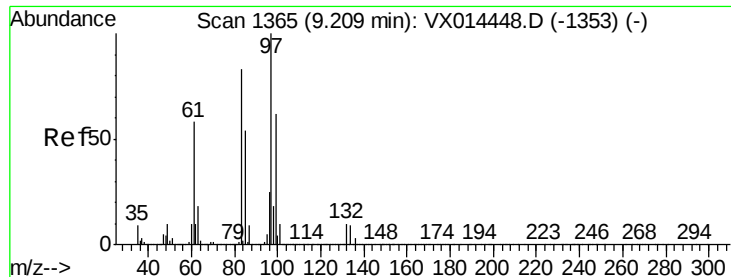
MMDadoda
1/20/2020 11:19:41 AM



#54
cis-1,3-Dichloropropene
Concen: 53.736 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VX014644.D
Acq: 17 Jan 2020 10:41

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.0	37.4
39	50.0	40.7	61.1





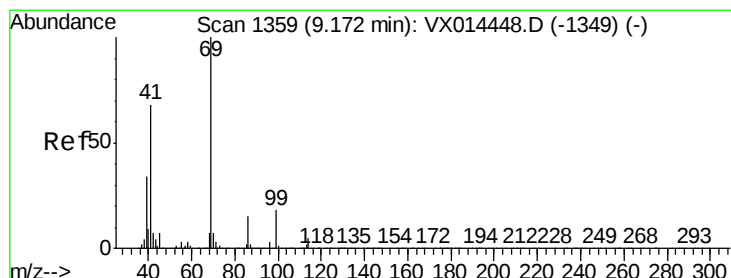
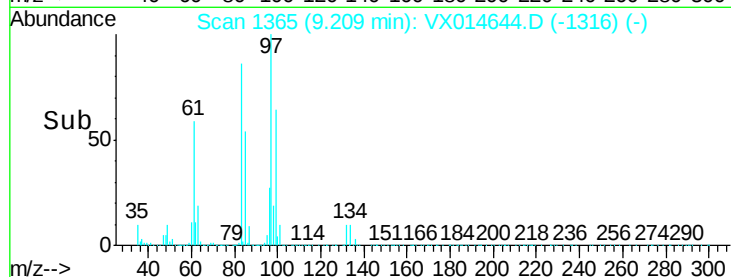
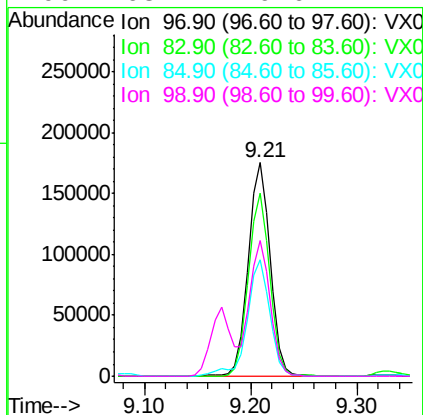
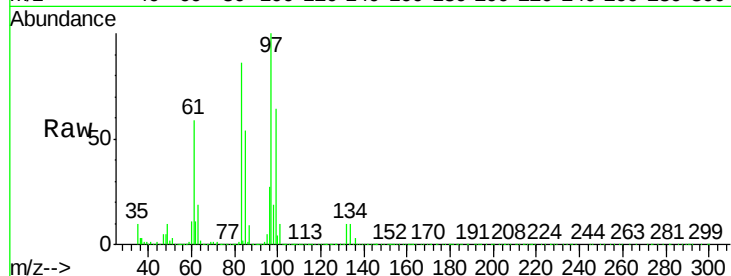
#55
 1,1,2-Trichloroethane
 Concen: 53.033 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX014644.D
 Acq: 17 Jan 2020 10:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		254091		
83	85.5	66.4	99.6		
85	54.3	43.4	65.2		
99	63.7	49.6	74.4		

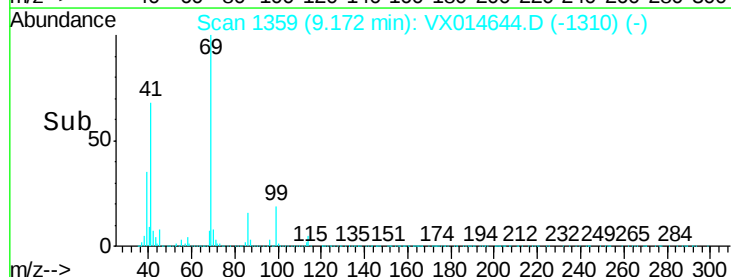
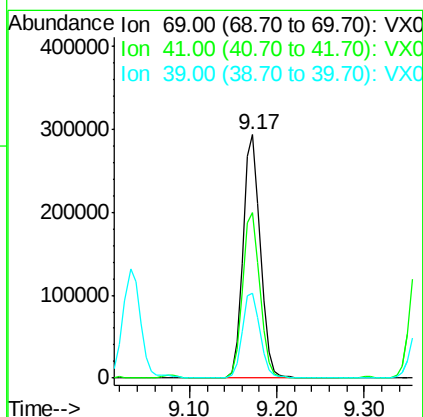
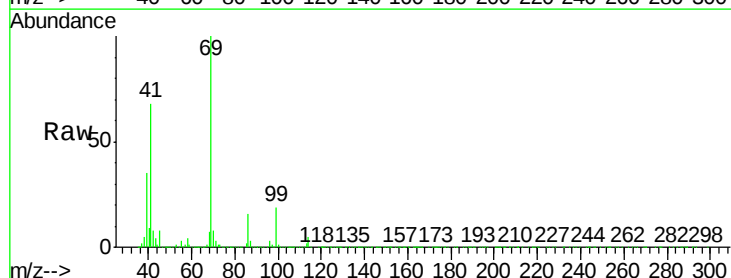
Manual Integrations
 APPROVED

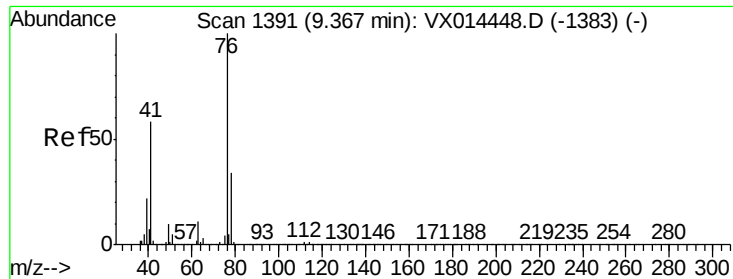
MMDadoda
 1/20/2020 11:19:41 AM



#56
 Ethyl methacrylate
 Concen: 55.207 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX014644.D
 Acq: 17 Jan 2020 10:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		405239		
41	68.4	54.2	81.2		
39	35.9	28.2	42.2		





#57

1,3-Dichloropropane

Concen: 53.310 ug/l

RT: 9.36 min Scan# 1390

Delta R.T. -0.01 min

Lab File: VX014644.D

Acq: 17 Jan 2020 10:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 427067

Ion Ratio Lower Upper

76 100

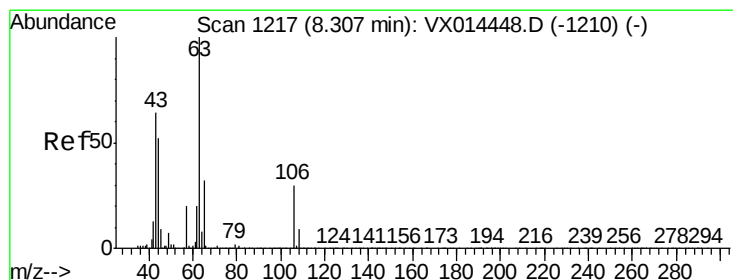
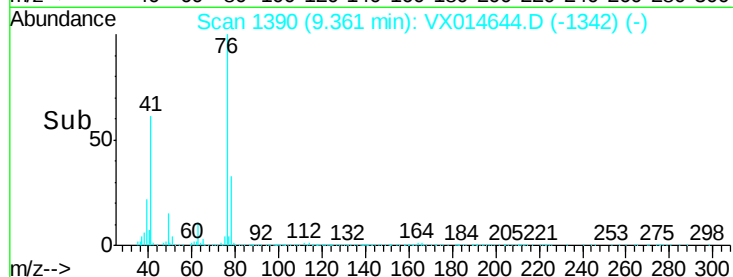
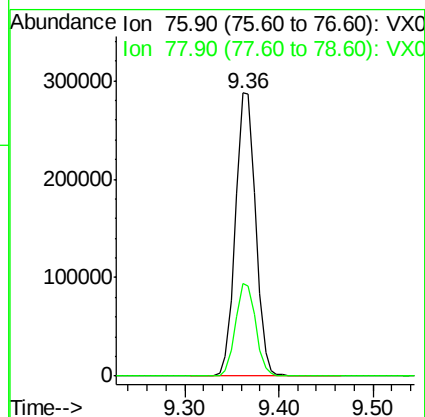
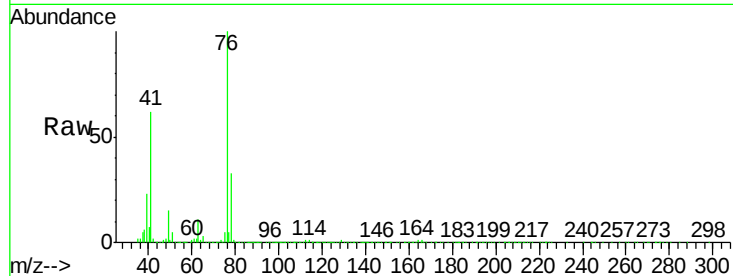
78 32.4 26.4 39.6

Manual Integrations

APPROVED

MMDadoda

1/20/2020 11:19:41 AM



#58

2-Chloroethyl Vinyl ether

Concen: 277.190 ug/l

RT: 8.30 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VX014644.D

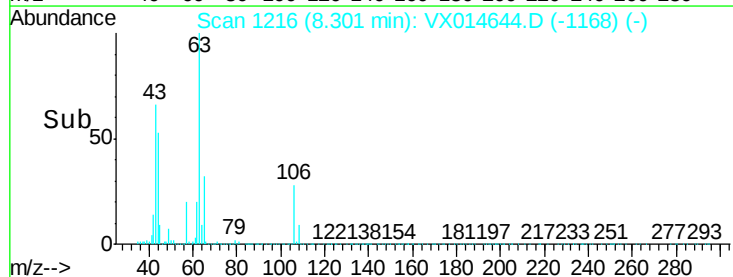
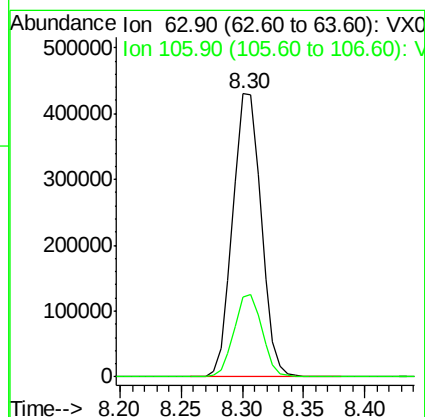
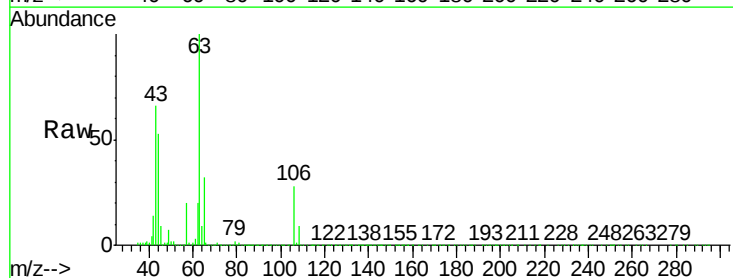
Acq: 17 Jan 2020 10:41

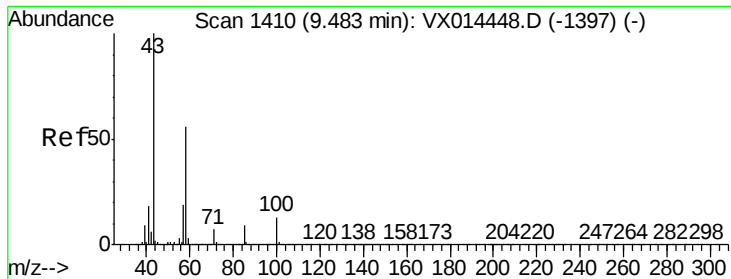
Tgt Ion: 63 Resp: 692265

Ion Ratio Lower Upper

63 100

106 28.8 23.6 35.4





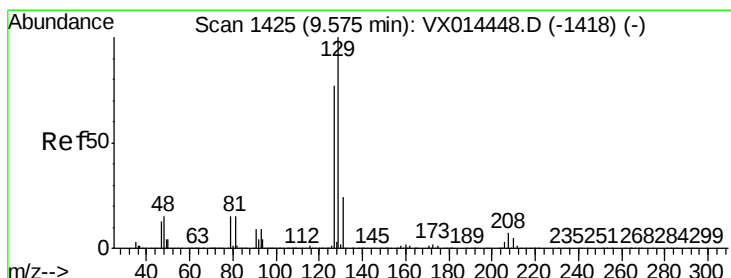
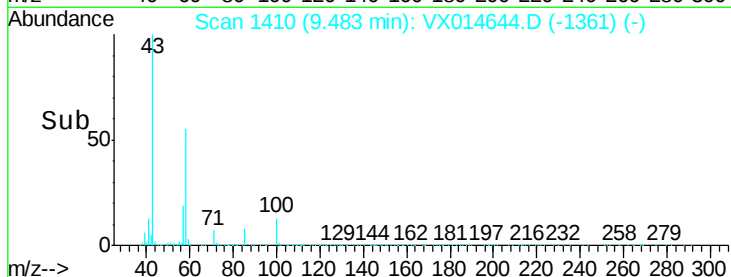
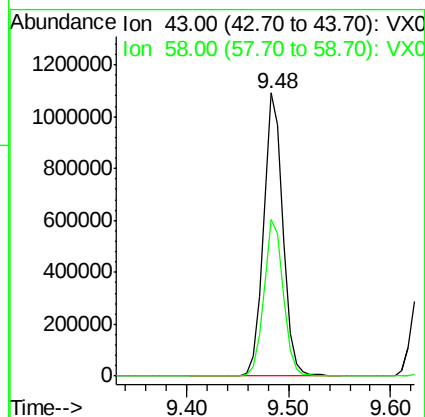
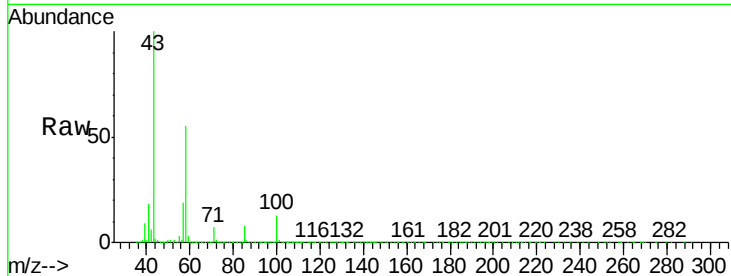
#59
2-Hexanone
Concen: 272.951 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. 0.00 min
Lab File: VX014644.D
Acq: 17 Jan 2020 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1449857
Ion Ratio Lower Upper
43 100
58 55.7 27.9 83.7

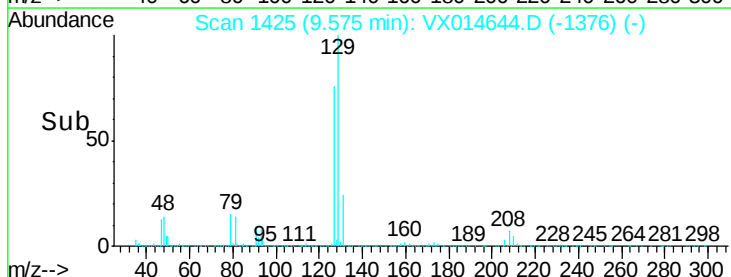
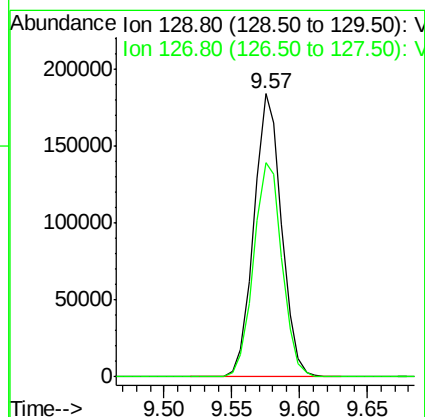
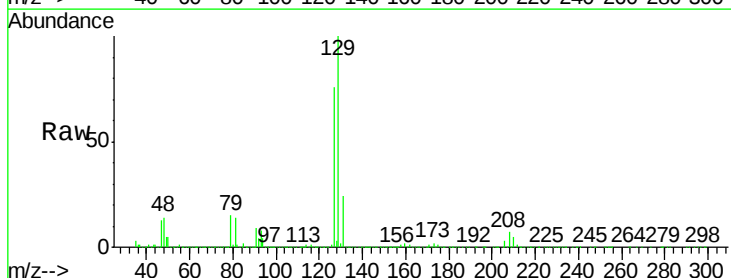
Manual Integrations
APPROVED

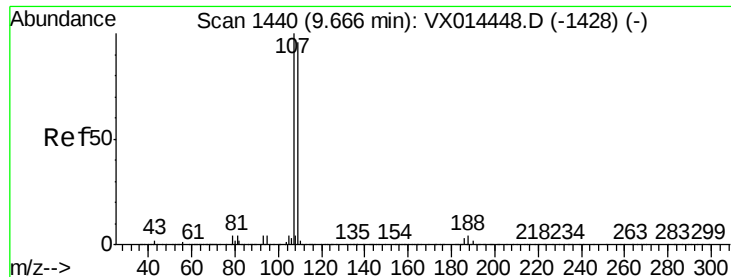
MMDadoda
1/20/2020 11:19:41 AM



#60
Dibromochloromethane
Concen: 54.578 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. 0.00 min
Lab File: VX014644.D
Acq: 17 Jan 2020 10:41

Tgt Ion: 129 Resp: 262831
Ion Ratio Lower Upper
129 100
127 77.8 38.6 116.0





#61

1,2-Dibromoethane

Concen: 51.234 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX014644.D

Acq: 17 Jan 2020 10:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 260024

Ion Ratio Lower Upper

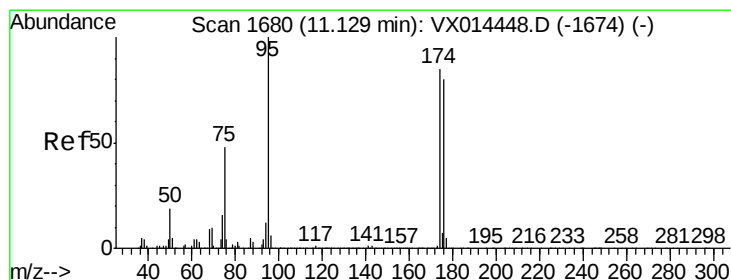
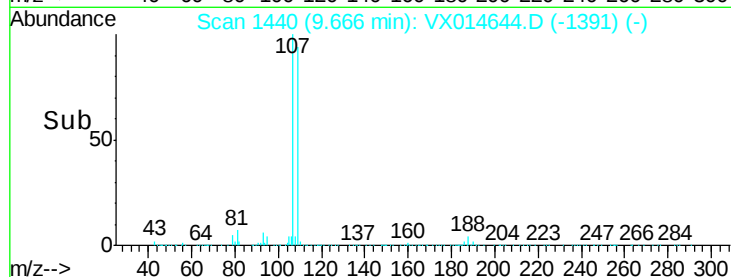
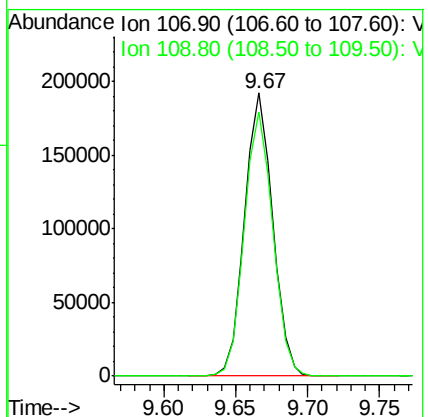
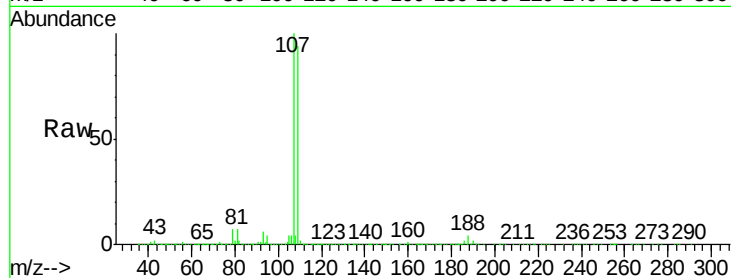
107 100

109 94.9 76.5 114.7

Manual Integrations
APPROVED

MMDadoda

1/20/2020 11:19:41 AM



#62

4-Bromofluorobenzene

Concen: 52.185 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VX014644.D

Acq: 17 Jan 2020 10:41

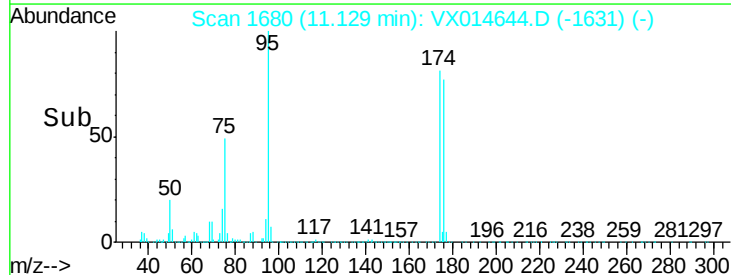
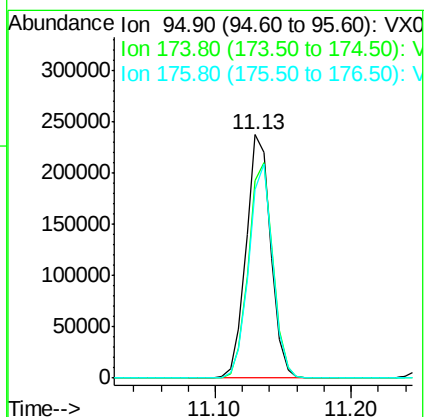
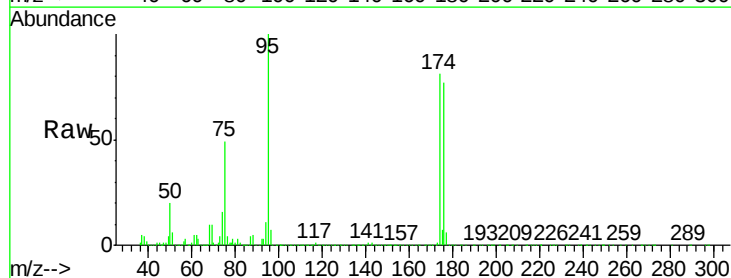
Tgt Ion: 95 Resp: 300459

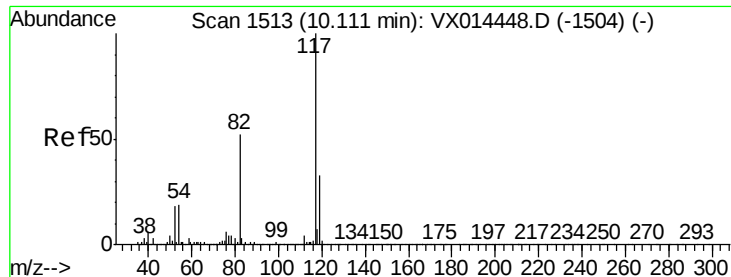
Ion Ratio Lower Upper

95 100

174 88.7 0.0 180.8

176 86.1 0.0 172.8





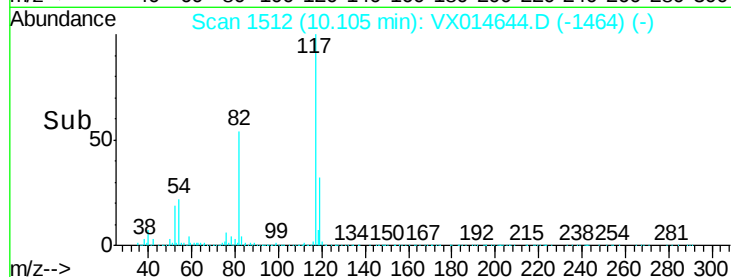
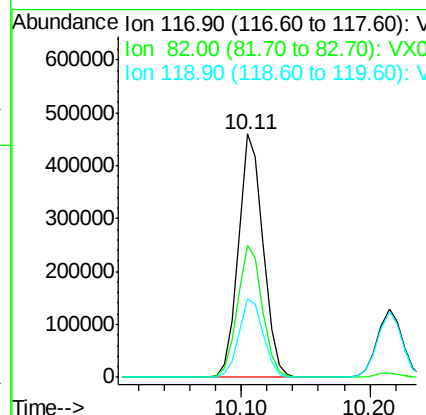
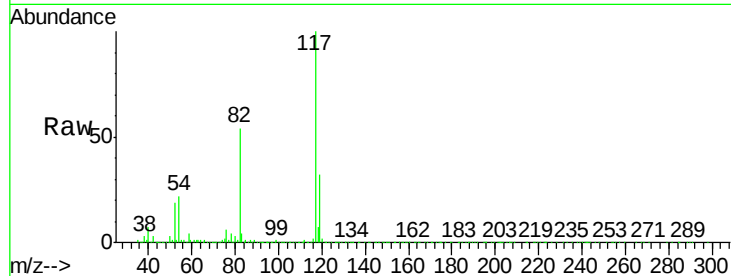
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX014644.D
Acq: 17 Jan 2020 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	610995		
82	54.4		41.8	62.6
119	32.2		26.2	39.4

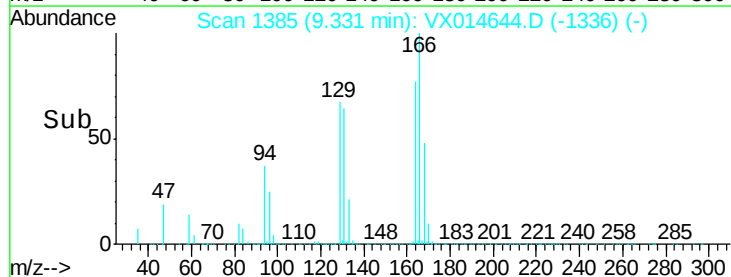
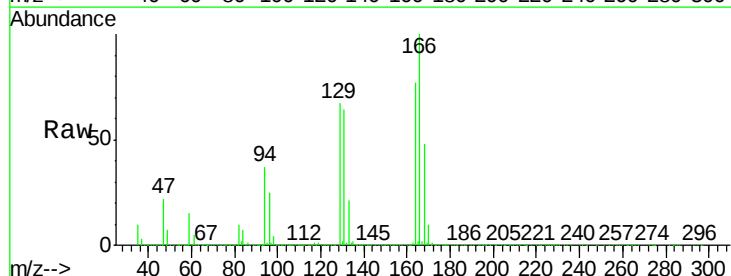
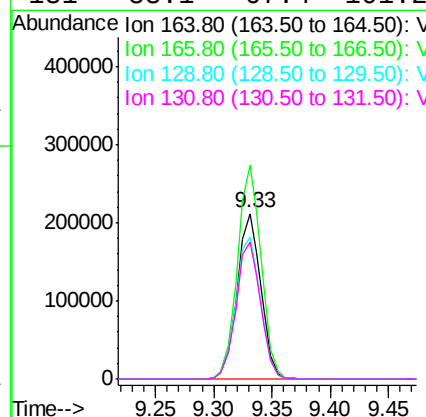
Manual Integrations
APPROVED

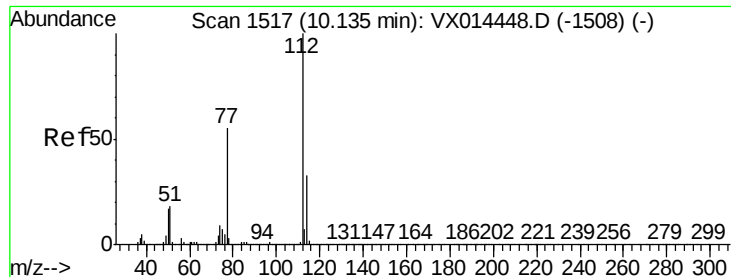
MMDadoda
1/20/2020 11:19:41 AM



#64
Tetrachloroethene
Concen: 49.157 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX014644.D
Acq: 17 Jan 2020 10:41

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	301014		
166	129.2		101.2	151.8
129	86.2		68.3	102.5
131	83.1		67.4	101.2





#65

Chlorobenzene

Concen: 49.685 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. 0.00 min

Lab File: VX014644.D

Acq: 17 Jan 2020 10:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 658804

Ion Ratio Lower Upper

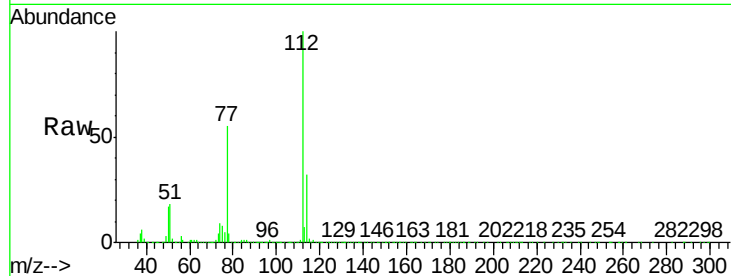
112 100

114 32.2 26.2 39.4

Manual Integrations
APPROVED

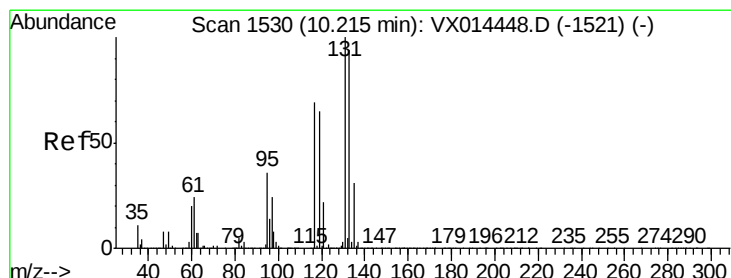
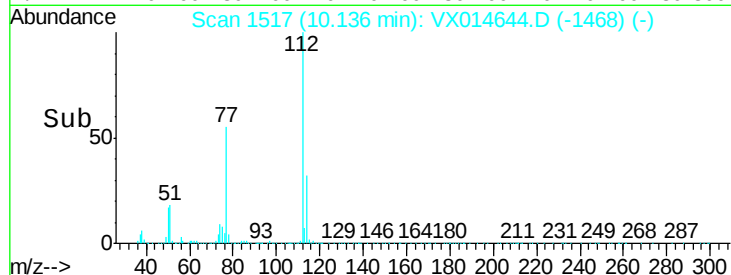
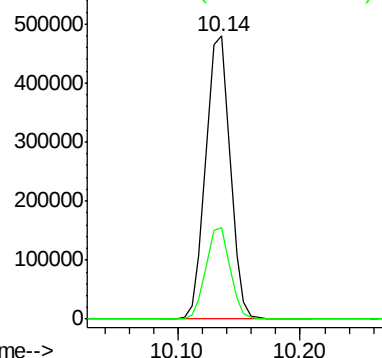
MMDadoda

1/20/2020 11:19:41 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 52.246 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VX014644.D

Acq: 17 Jan 2020 10:41

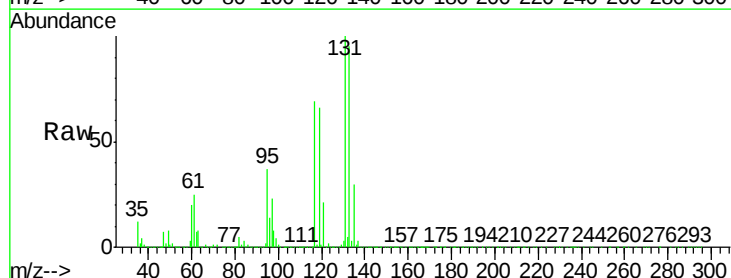
Tgt Ion:131 Resp: 247228

Ion Ratio Lower Upper

131 100

133 95.2 47.3 142.0

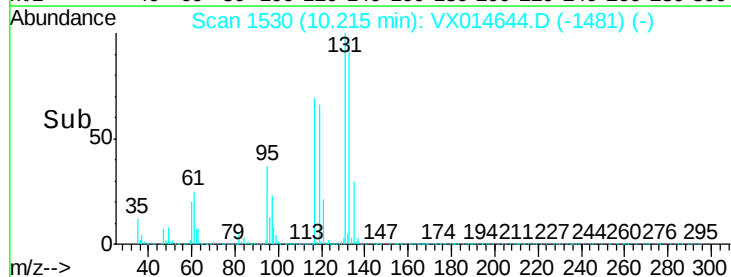
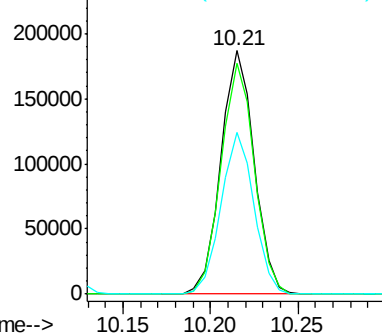
119 65.7 32.8 98.4

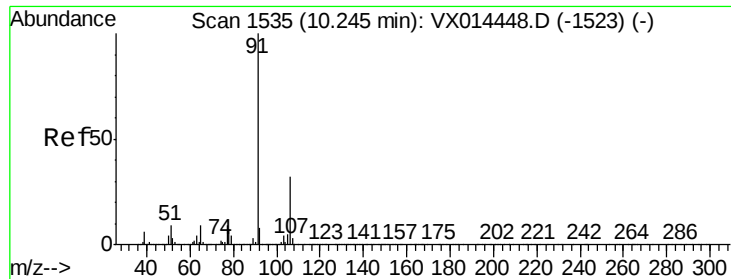


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





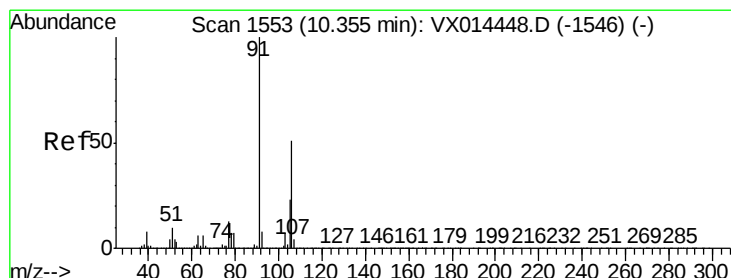
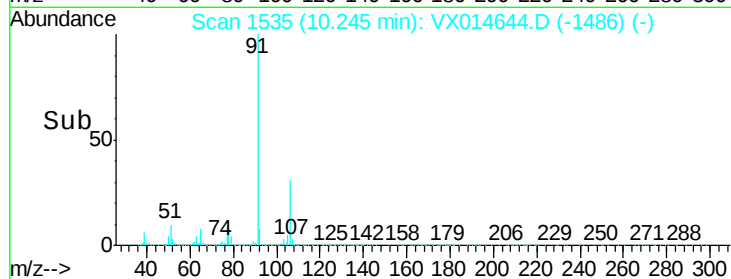
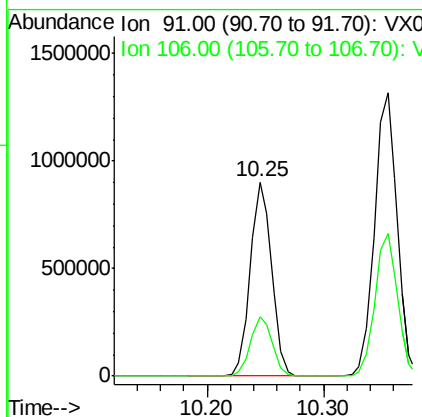
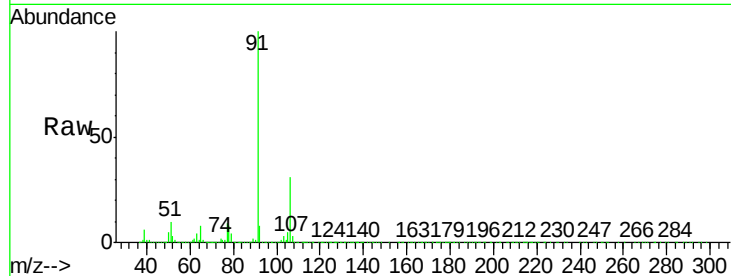
#67
Ethyl Benzene
Concen: 51.346 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. 0.00 min
Lab File: VX014644.D
Acq: 17 Jan 2020 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1160430
Ion Ratio Lower Upper
91 100
106 30.7 25.6 38.4

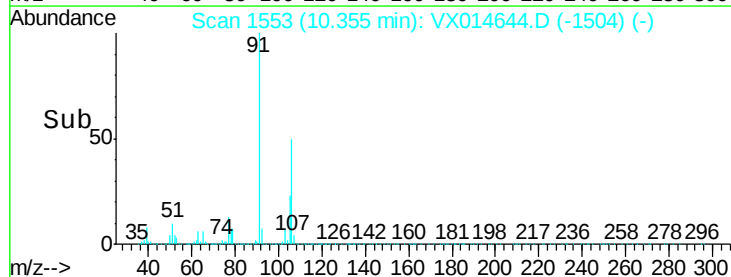
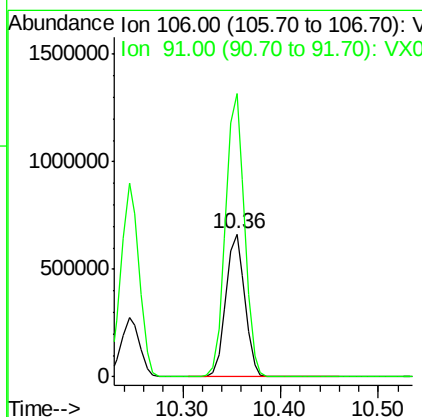
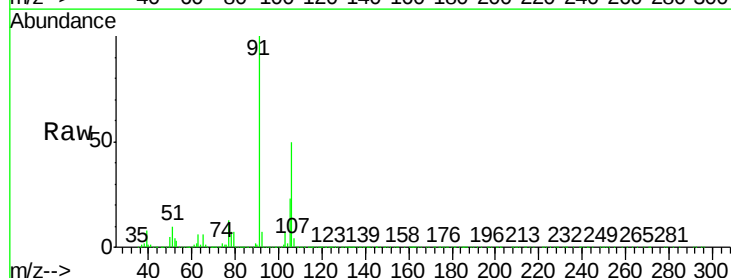
Manual Integrations
APPROVED

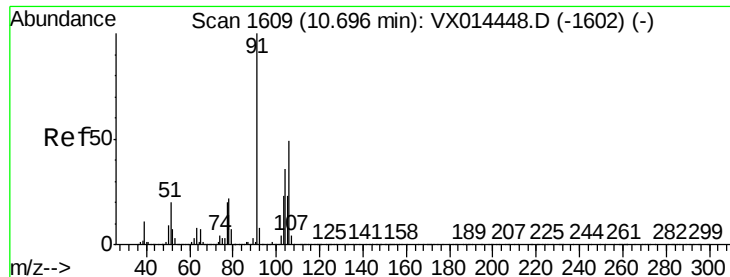
MMDadoda
1/20/2020 11:19:41 AM



#68
m/p-Xylenes
Concen: 102.429 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX014644.D
Acq: 17 Jan 2020 10:41

Tgt Ion: 106 Resp: 893087
Ion Ratio Lower Upper
106 100
91 198.2 157.4 236.0





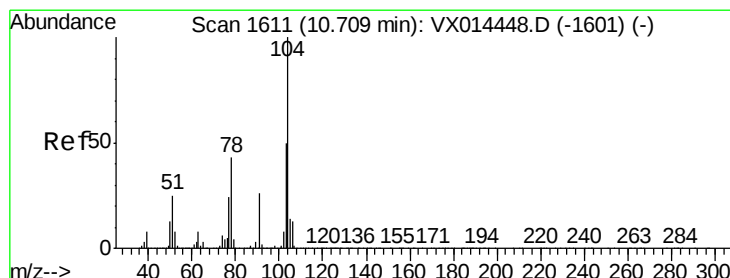
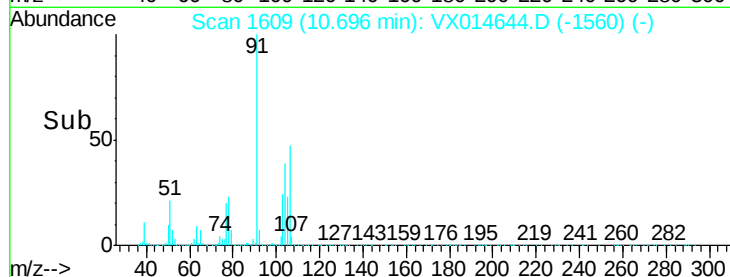
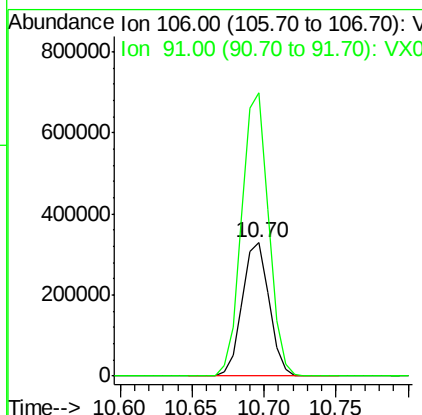
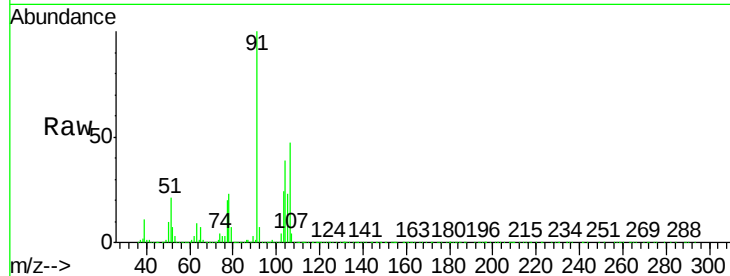
#69
o-Xylene
Concen: 51.278 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX014644.D
Acq: 17 Jan 2020 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 426585
Ion Ratio Lower Upper
106 100
91 212.3 105.1 315.1

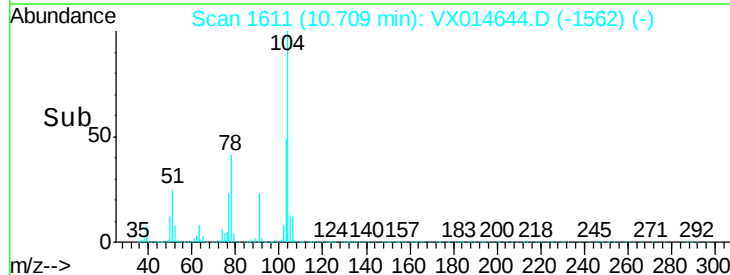
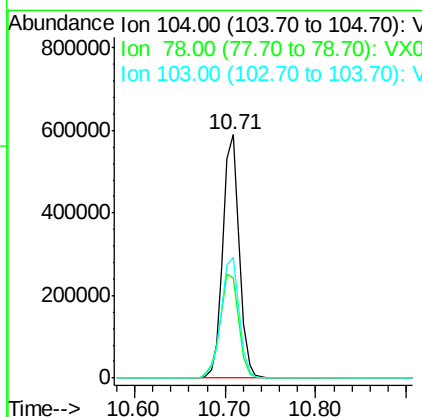
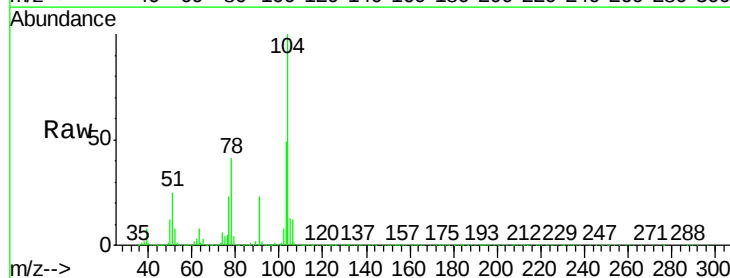
Manual Integrations
APPROVED

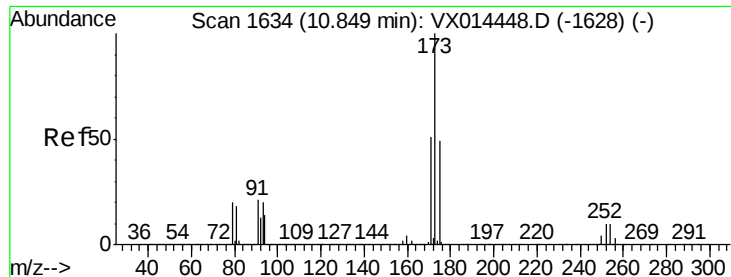
MMDadoda
1/20/2020 11:19:41 AM



#70
Styrene
Concen: 51.820 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX014644.D
Acq: 17 Jan 2020 10:41

Tgt Ion:104 Resp: 743954
Ion Ratio Lower Upper
104 100
78 49.0 38.6 58.0
103 54.7 43.7 65.5





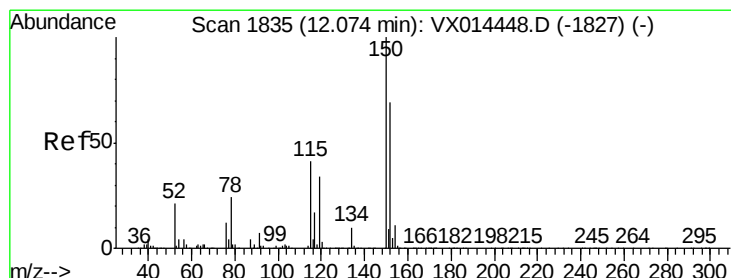
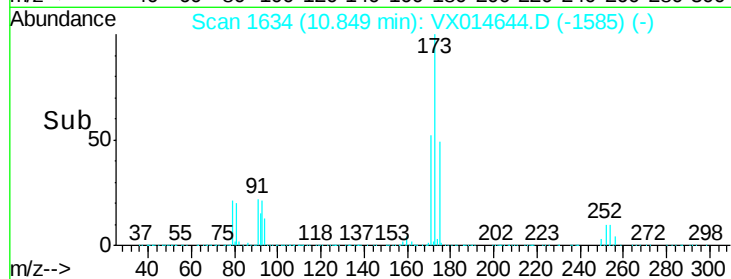
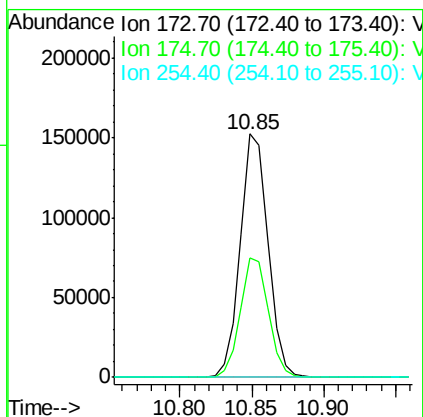
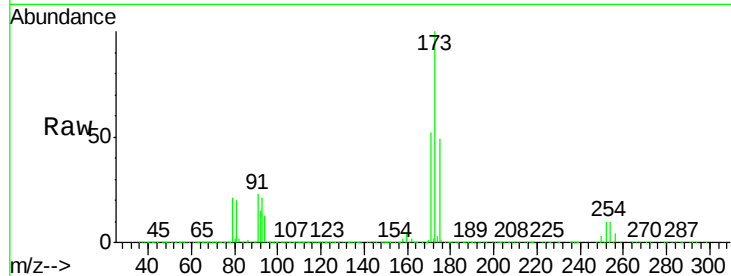
#71
Bromoform
Concen: 52.797 ug/l
RT: 10.85 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VX014644.D
Acq: 17 Jan 2020 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.7	24.3	72.8
254	0.2	0.2	0.2

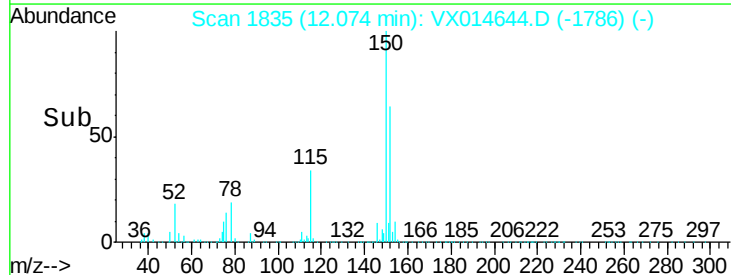
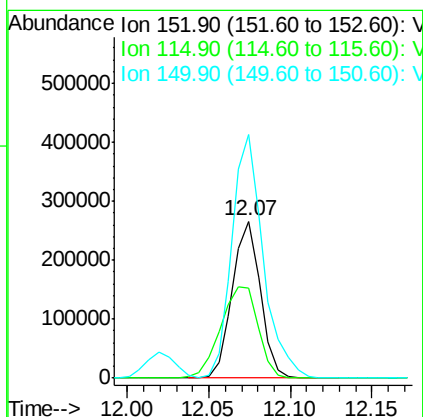
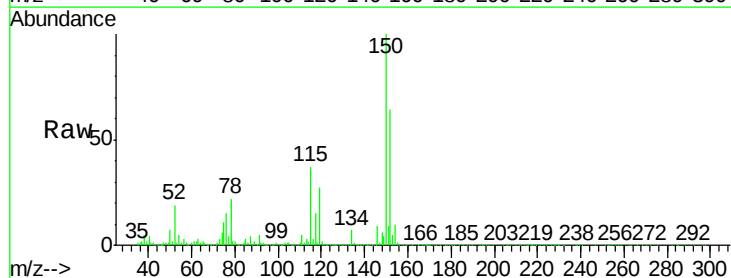
Manual Integrations
APPROVED

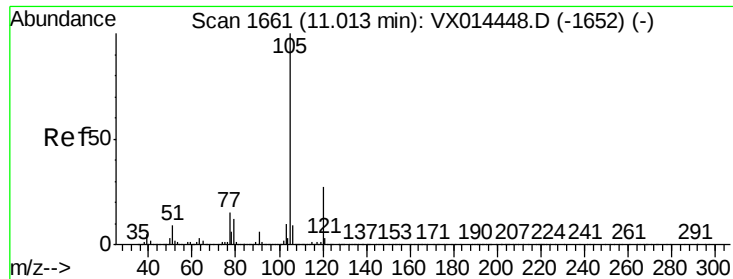
MMDadoda
1/20/2020 11:19:41 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX014644.D
Acq: 17 Jan 2020 10:41

Tgt Ion	Ratio	Lower	Upper
152	100		
115	78.0	39.5	118.3
150	173.3	0.0	350.2





#73

Isopropylbenzene

Concen: 51.135 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX014644.D

Acq: 17 Jan 2020 10:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1140919

Ion Ratio Lower Upper

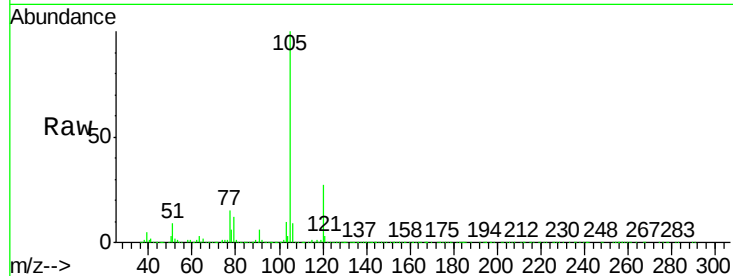
105 100

120 27.1 13.4 40.2

Manual Integrations
APPROVED

MMDadoda

1/20/2020 11:19:41 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.01

800000

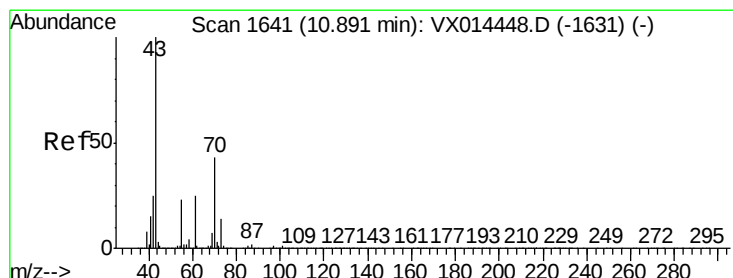
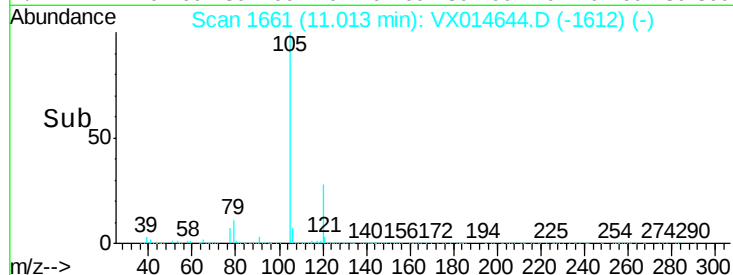
600000

400000

200000

0

Time--> 10.90 11.00 11.10



#74

N-ethyl acetate

Concen: 53.184 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX014644.D

Acq: 17 Jan 2020 10:41

Tgt Ion: 43 Resp: 523530

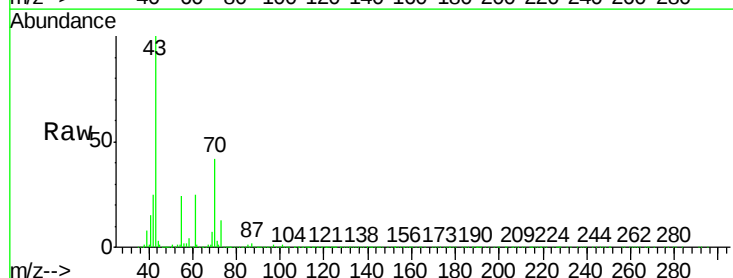
Ion Ratio Lower Upper

43 100

70 42.4 35.1 52.7

55 23.9 19.3 28.9

61 24.9 20.0 30.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

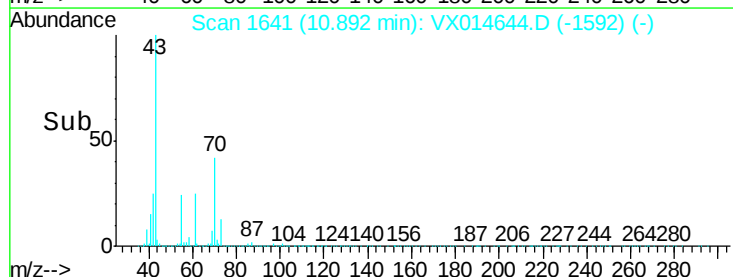
10.89

400000

200000

0

Time--> 10.80 10.90 11.00





#75

1,1,2,2-Tetrachloroethane

Concen: 51.430 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX014644.D

Acq: 17 Jan 2020 10:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 367998

Ion Ratio Lower Upper

83 100

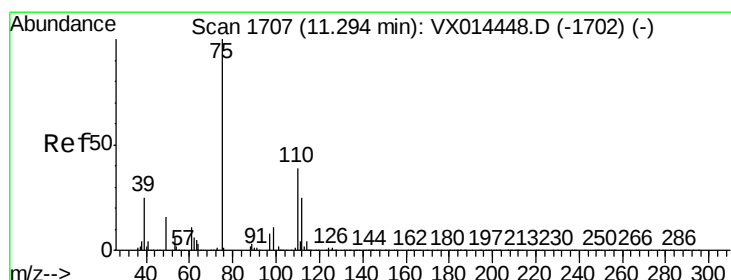
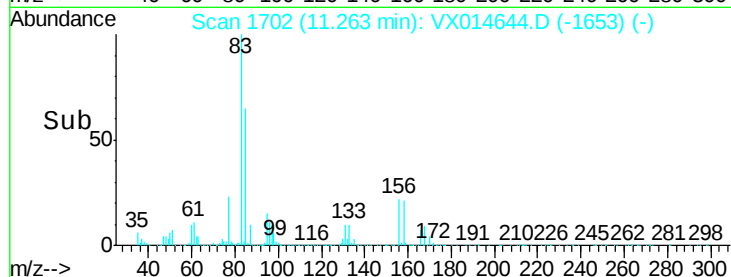
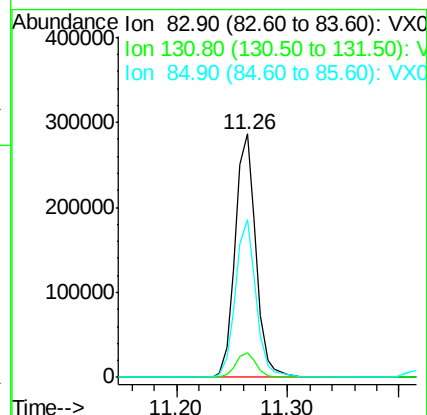
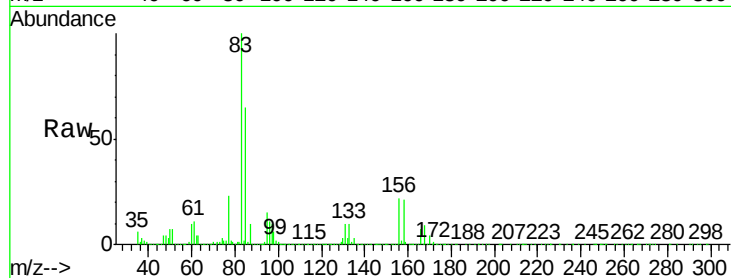
131 10.1 5.1 15.4

85 64.1 32.5 97.4

Manual Integrations
APPROVED

MMDadoda

1/20/2020 11:19:41 AM



#76

1,2,3-Trichloropropane

Concen: 48.585 ug/l m

RT: 11.29 min Scan# 1706

Delta R.T. -0.01 min

Lab File: VX014644.D

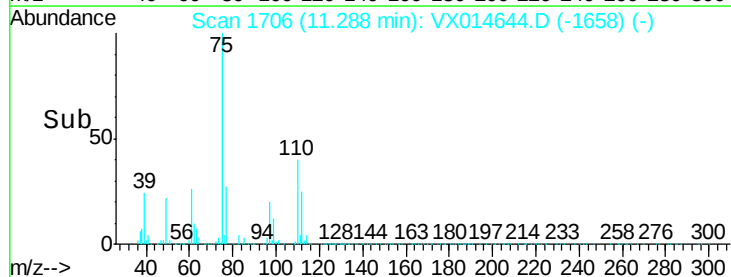
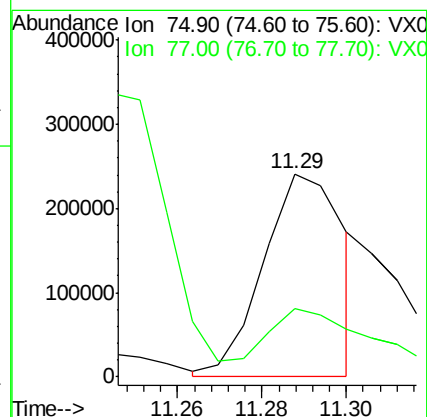
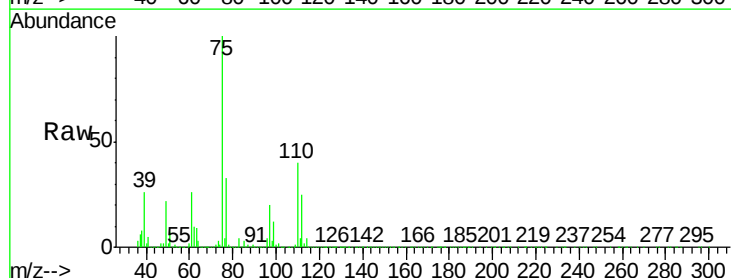
Acq: 17 Jan 2020 10:41

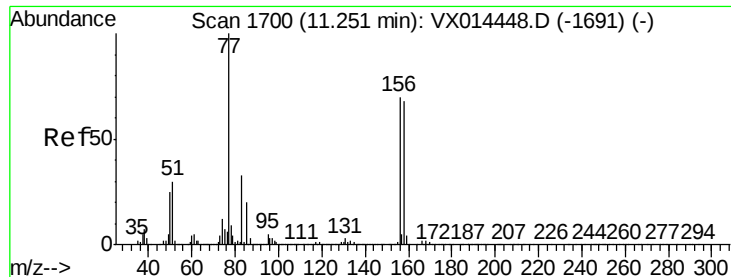
Tgt Ion: 75 Resp: 319401

Ion Ratio Lower Upper

75 100

77 45.4 21.9 65.7





#77

Bromobenzene

Concen: 48.382 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX014644.D

Acq: 17 Jan 2020 10:41

Instrument :

MSVOA_X

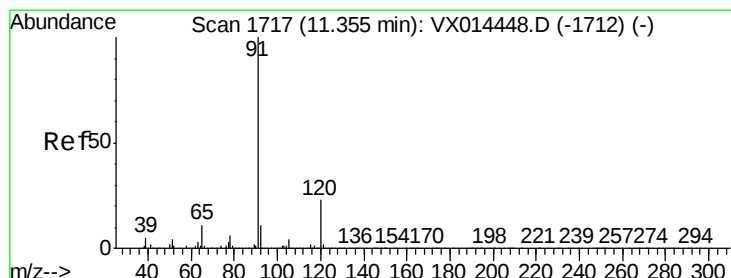
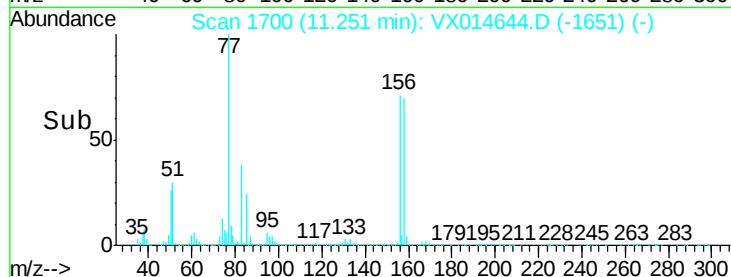
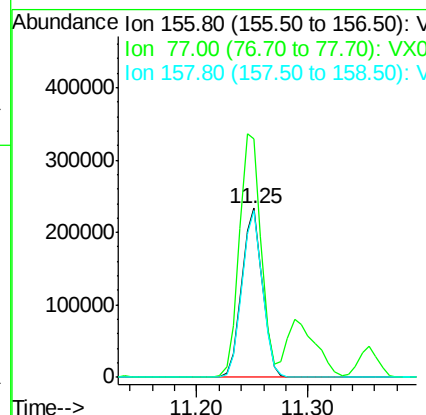
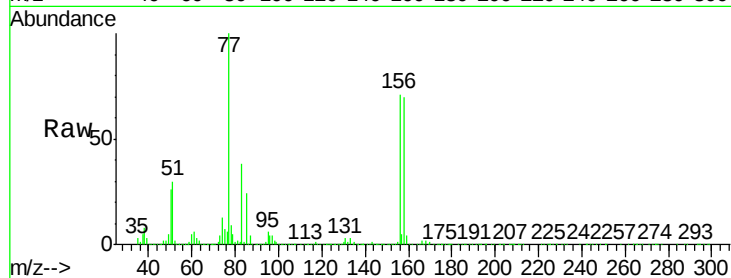
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	299366
Ion Ratio	Lower	Upper	
156	100		
77	151.4	75.4	226.3
158	98.0	48.8	146.3

Manual Integrations
APPROVED

MMDadoda
1/20/2020 11:19:41 AM



#78

n-propylbenzene

Concen: 51.657 ug/l

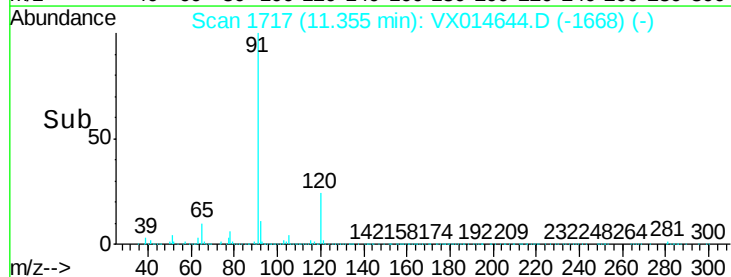
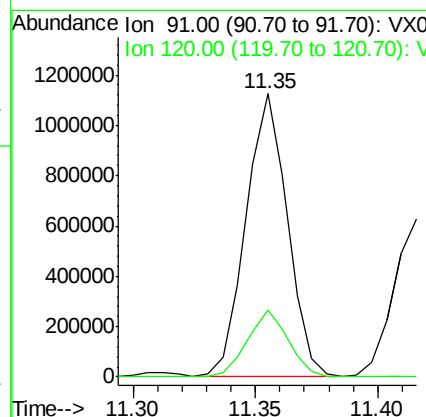
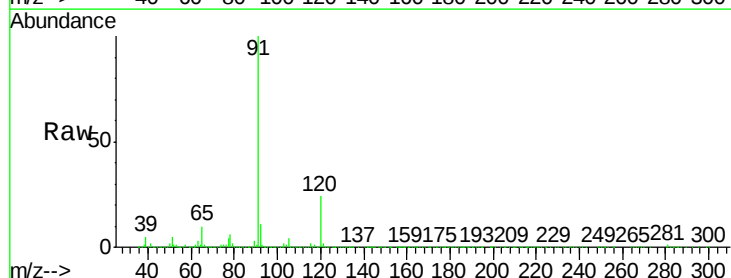
RT: 11.35 min Scan# 1717

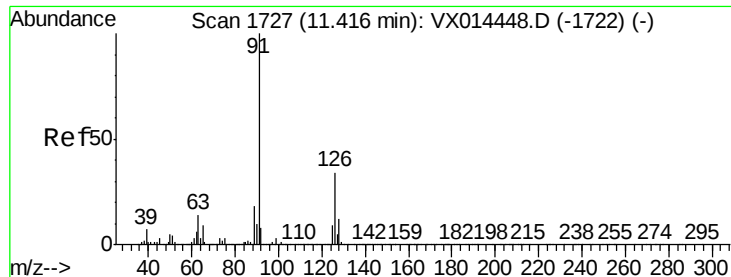
Delta R.T. 0.00 min

Lab File: VX014644.D

Acq: 17 Jan 2020 10:41

Tgt Ion:	91	Resp:	1319974
Ion Ratio	Lower	Upper	
91	100		
120	23.3	11.9	35.5





#79

2-Chlorotoluene

Concen: 50.691 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX014644.D

Acq: 17 Jan 2020 10:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 771981

Ion Ratio Lower Upper

91 100

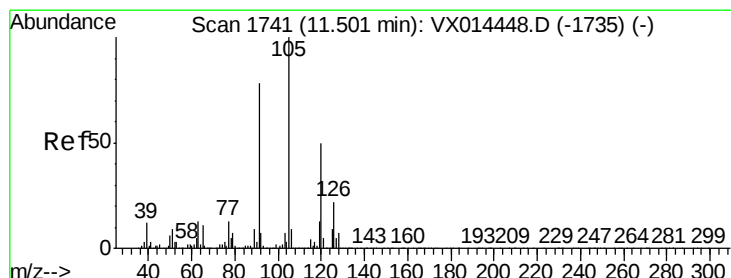
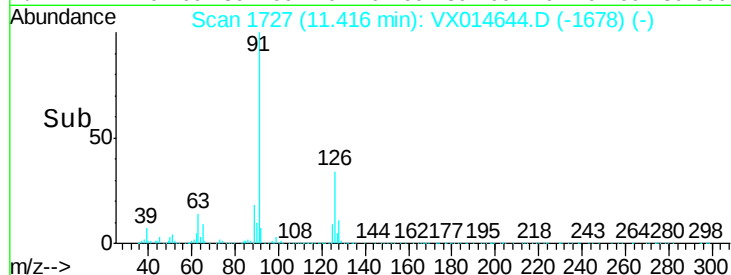
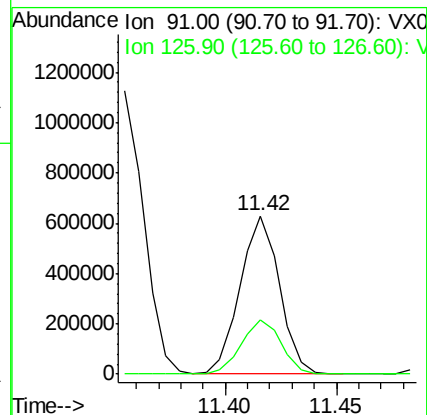
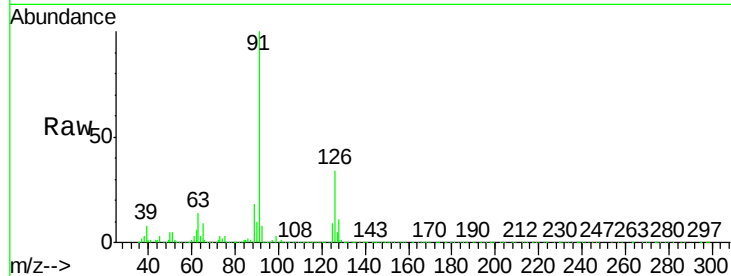
126 34.8 17.5 52.5

Manual Integrations

APPROVED

MMDadoda

1/20/2020 11:19:41 AM



#80

1,3,5-Trimethylbenzene

Concen: 51.540 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX014644.D

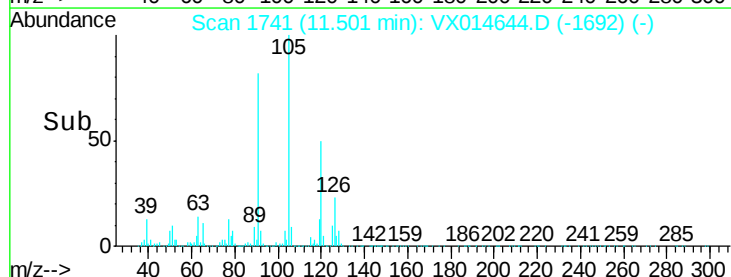
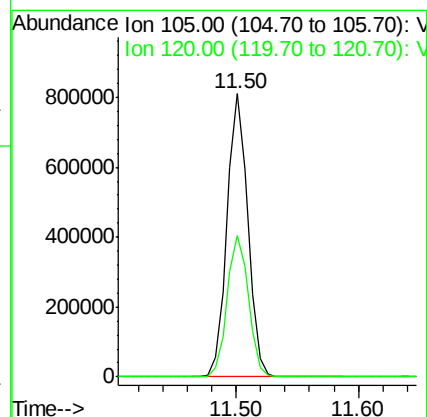
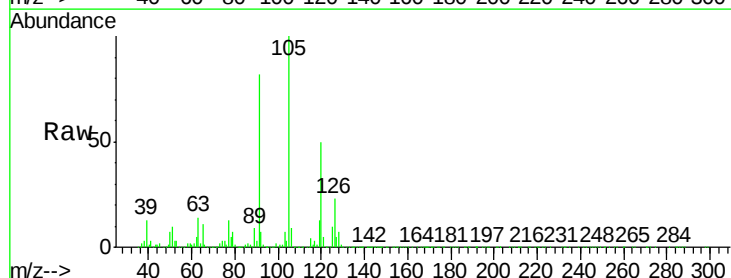
Acq: 17 Jan 2020 10:41

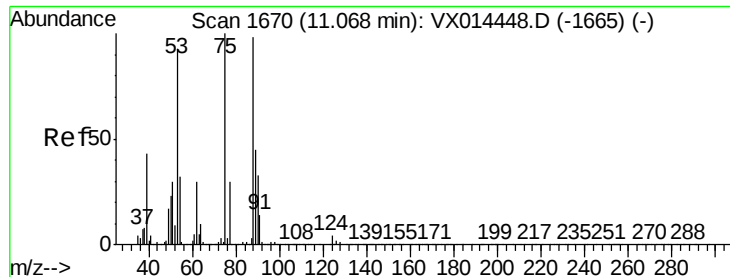
Tgt Ion: 105 Resp: 954740

Ion Ratio Lower Upper

105 100

120 50.9 25.2 75.6





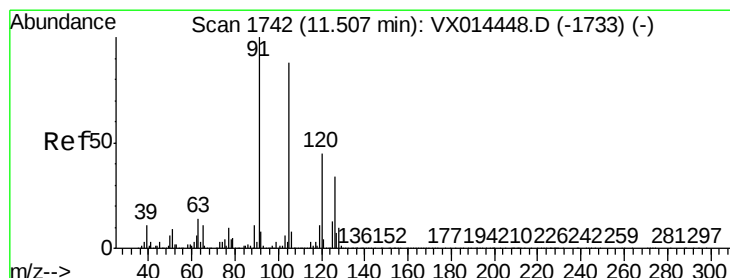
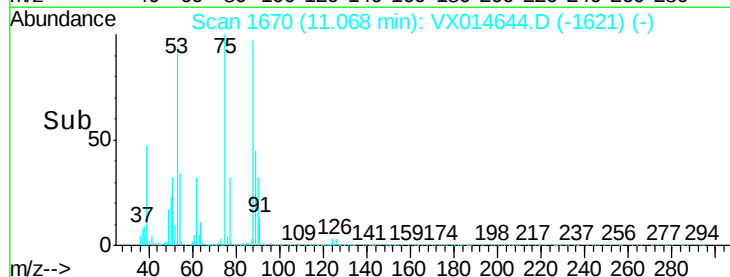
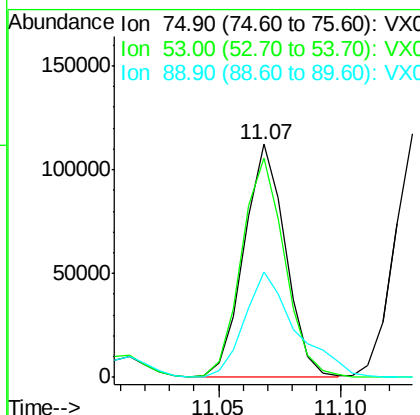
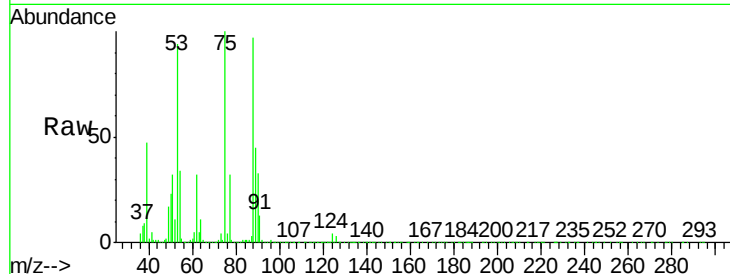
#81
trans-1,4-Dichloro-2-butene
Concen: 53.145 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VX014644.D
Acq: 17 Jan 2020 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	97.6	74.8	112.2
89	56.5	36.3	54.5#

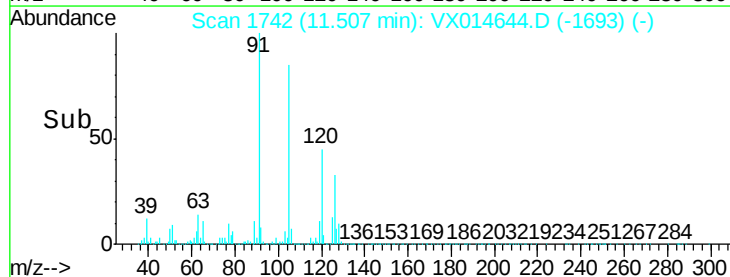
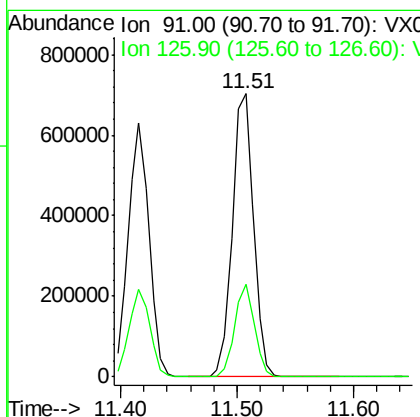
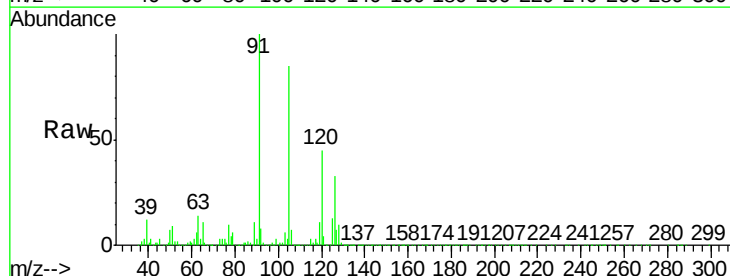
Manual Integrations
APPROVED

MMDadoda
1/20/2020 11:19:41 AM



#82
4-Chlorotoluene
Concen: 49.970 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX014644.D
Acq: 17 Jan 2020 10:41

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.7	15.9	47.7





#83

tert-Butylbenzene

Concen: 51.066 ug/l

RT: 11.76 min Scan# 1784

Delta R.T. 0.00 min

Lab File: VX014644.D

Acq: 17 Jan 2020 10:41

Instrument :

MSVOA_X

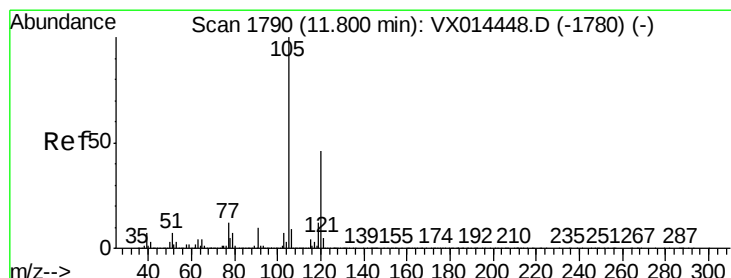
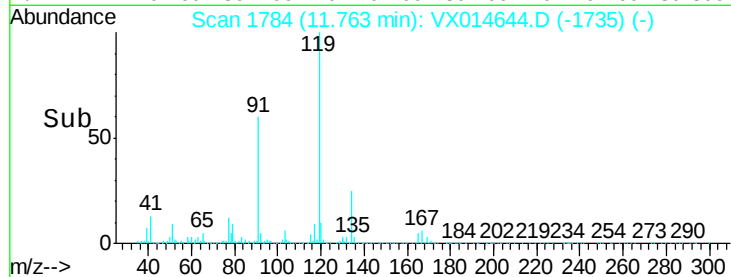
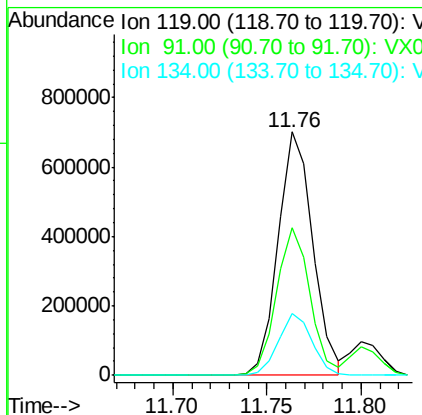
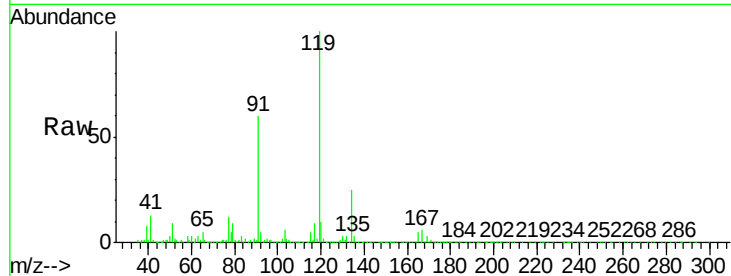
ClientSampleId :

VSTDCCC050

Tot Ion:	119	Resp:	893807
Ion Ratio	Lower	Upper	
119	100		
91	58.7	29.3	88.0
134	24.8	12.4	37.4

Manual Integrations
APPROVED

MMDadoda
1/20/2020 11:19:41 AM



#84

1,2,4-Trimethylbenzene

Concen: 51.937 ug/l

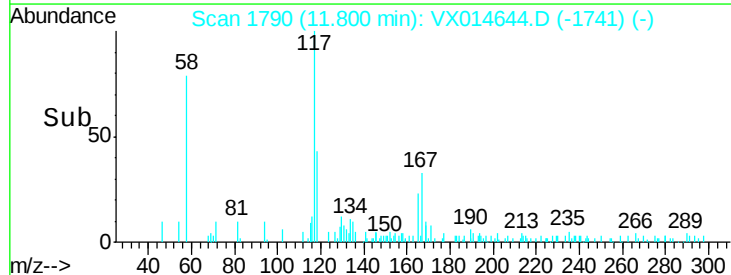
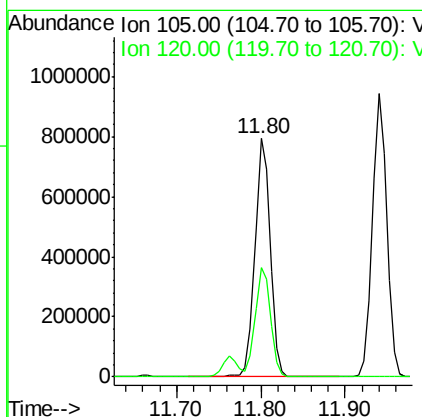
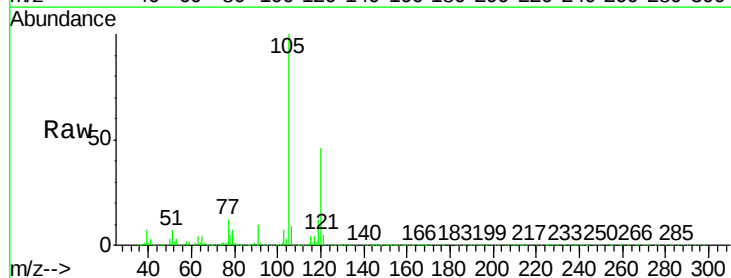
RT: 11.80 min Scan# 1790

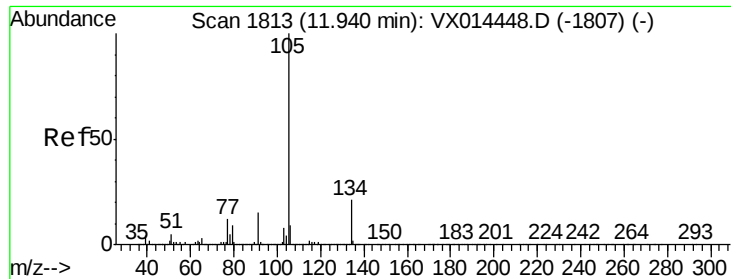
Delta R.T. 0.00 min

Lab File: VX014644.D

Acq: 17 Jan 2020 10:41

Tgt Ion:	105	Resp:	972153
Ion Ratio	Lower	Upper	
105	100		
120	45.5	23.1	69.3





#85

sec-Butylbenzene

Concen: 51.805 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX014644.D

Acq: 17 Jan 2020 10:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1127210

Ion Ratio Lower Upper

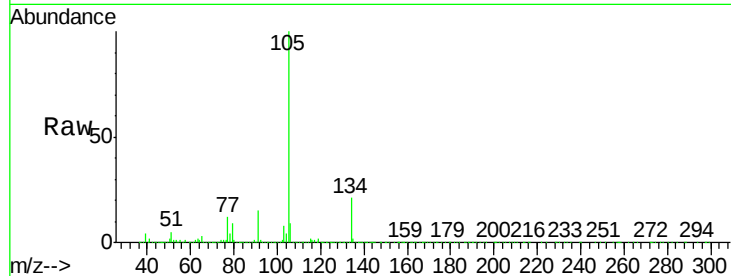
105 100

134 20.7 10.5 31.5

Manual Integrations
APPROVED

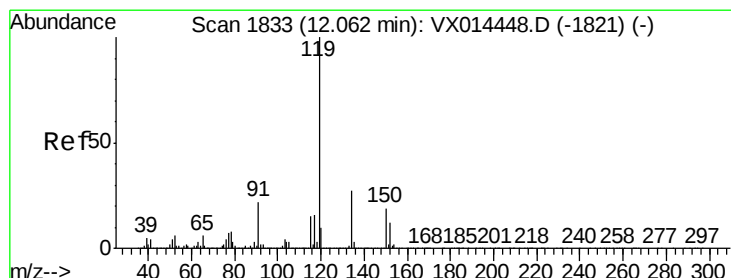
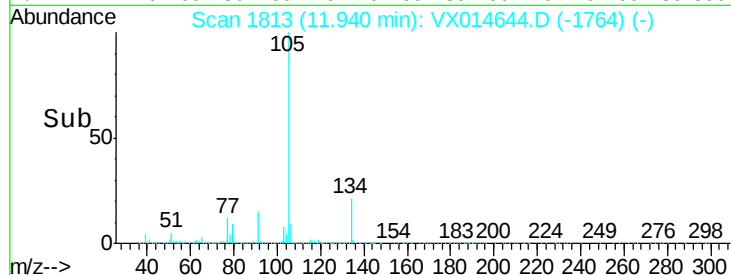
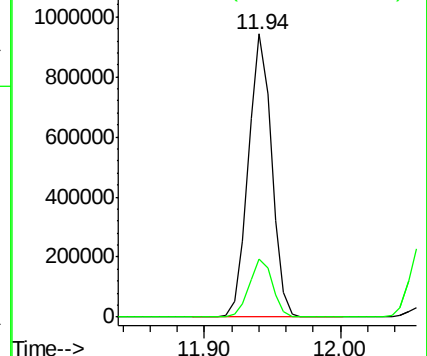
MMDadoda

1/20/2020 11:19:41 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 51.837 ug/l

RT: 12.06 min Scan# 1832

Delta R.T. -0.01 min

Lab File: VX014644.D

Acq: 17 Jan 2020 10:41

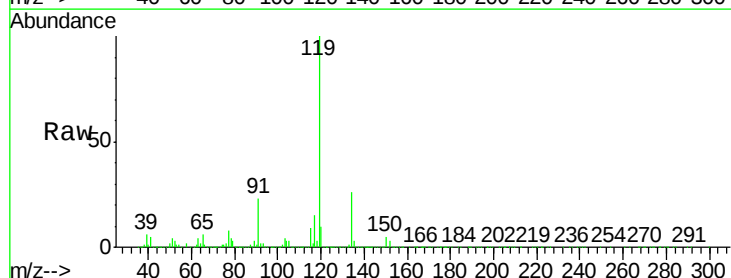
Tgt Ion:119 Resp: 1046653

Ion Ratio Lower Upper

119 100

134 27.0 13.5 40.4

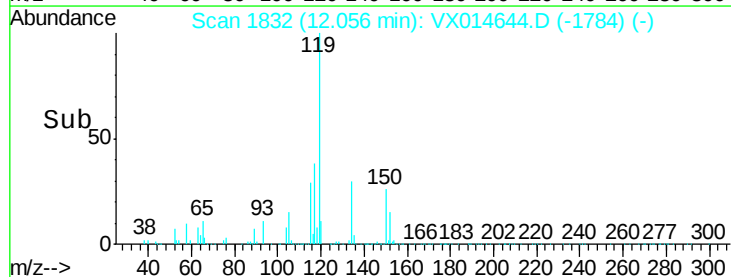
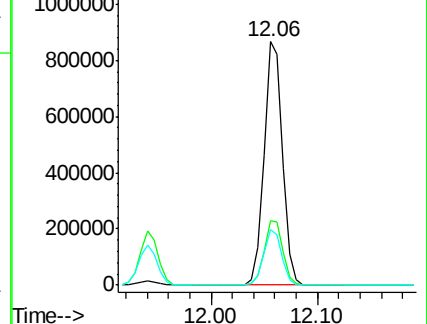
91 22.5 11.1 33.3

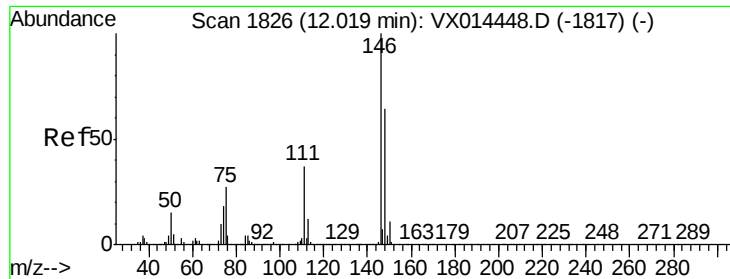


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 48.165 ug/l

RT: 12.02 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VX014644.D

Acq: 17 Jan 2020 10:41

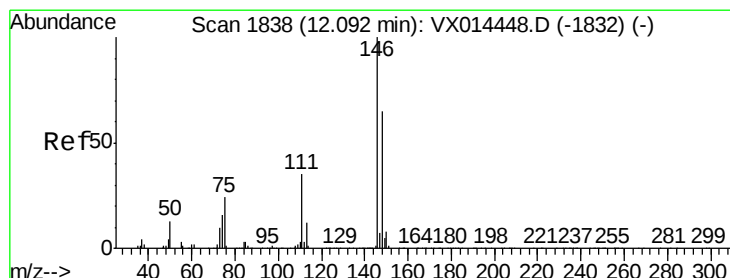
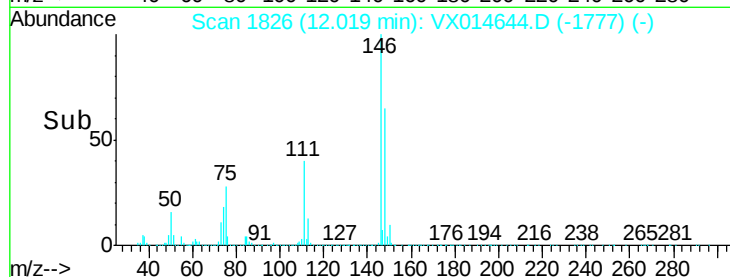
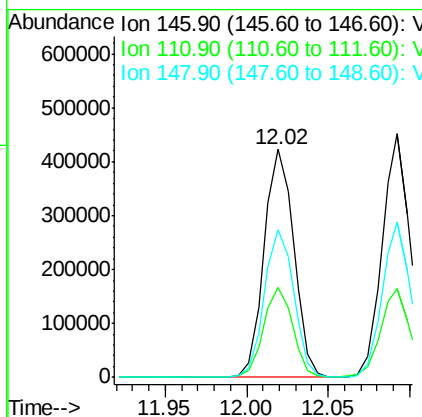
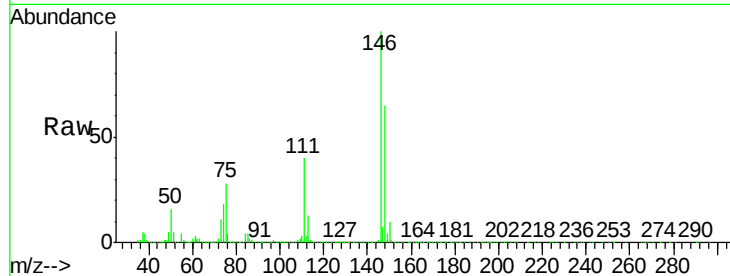
Instrument :
MSVOA_X

ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	18.9	56.7
148	64.2	32.2	96.6

Manual Integrations
APPROVED

MMDadoda
1/20/2020 11:19:41 AM



#88

1,4-Dichlorobenzene

Concen: 51.426 ug/l

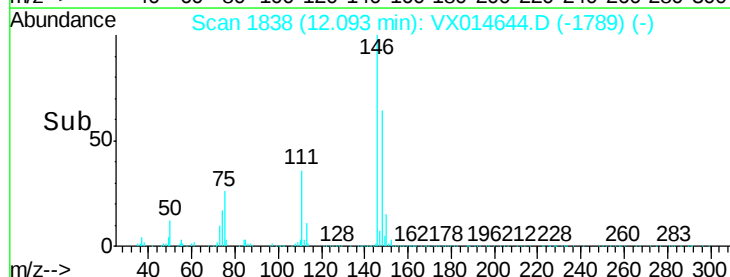
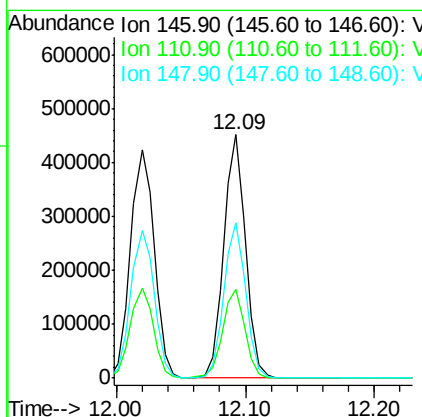
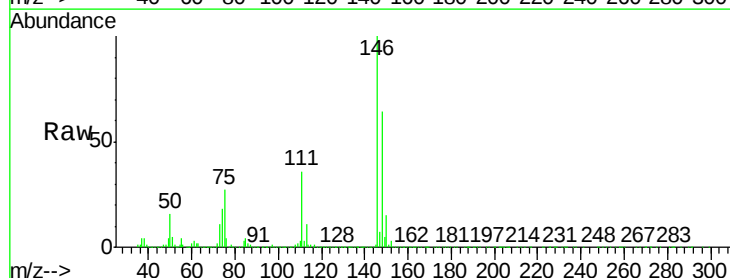
RT: 12.09 min Scan# 1838

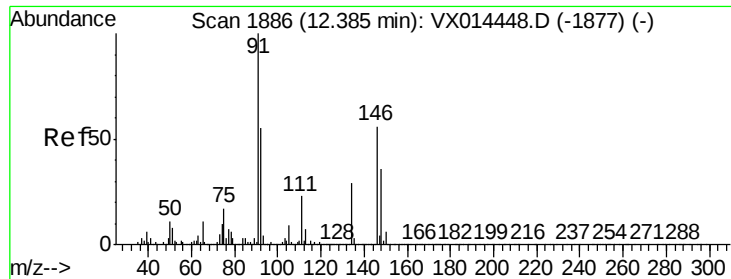
Delta R.T. 0.00 min

Lab File: VX014644.D

Acq: 17 Jan 2020 10:41

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.1	54.1
148	64.5	32.1	96.3





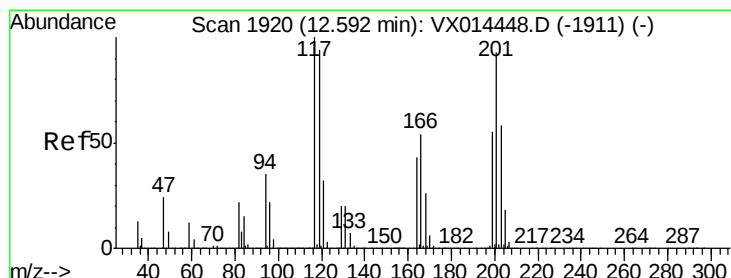
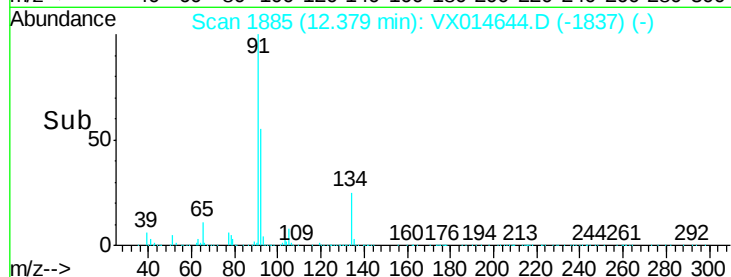
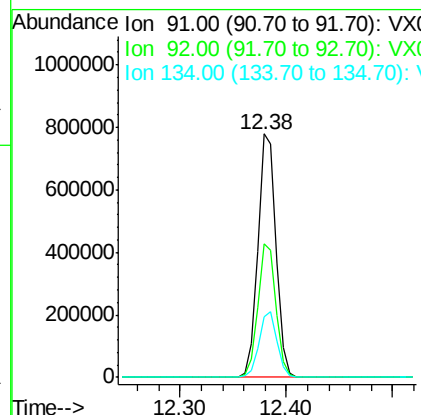
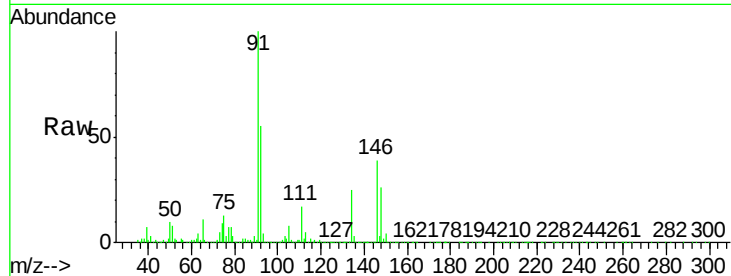
#89
n-Butylbenzene
Concen: 50.193 ug/l
RT: 12.38 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VX014644.D
Acq: 17 Jan 2020 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.6	27.4	82.2
134	26.8	13.9	41.7

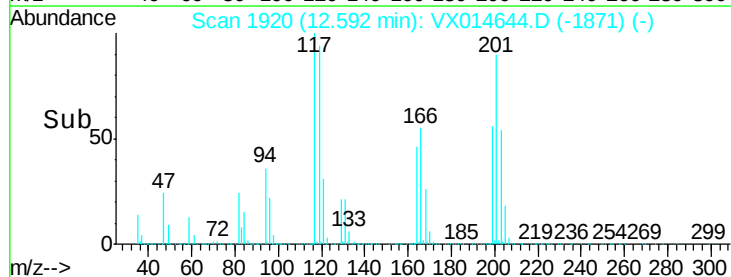
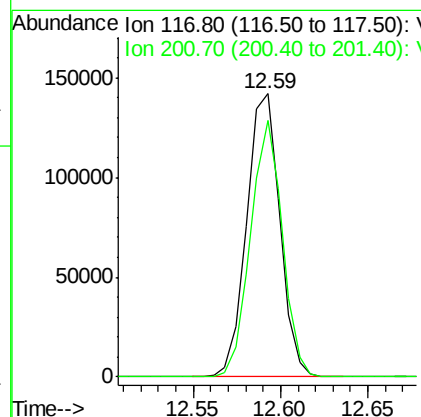
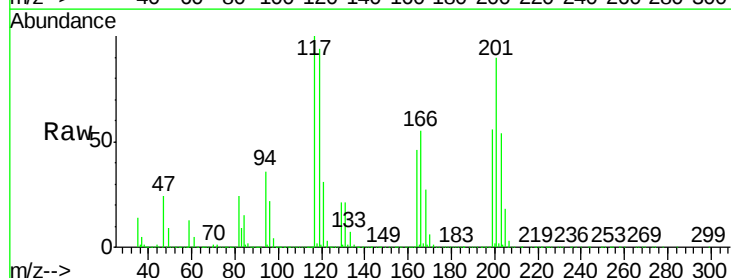
Manual Integrations
APPROVED

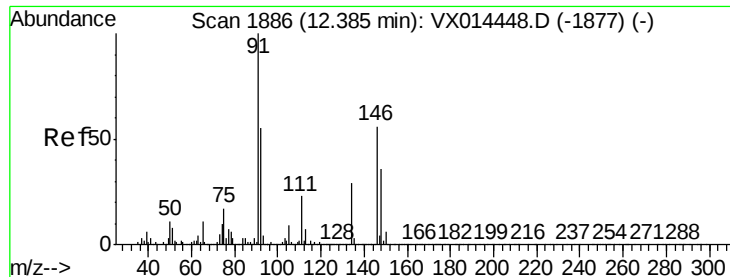
MMDadoda
1/20/2020 11:19:41 AM



#90
Hexachloroethane
Concen: 52.525 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX014644.D
Acq: 17 Jan 2020 10:41

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.1	44.8	134.3





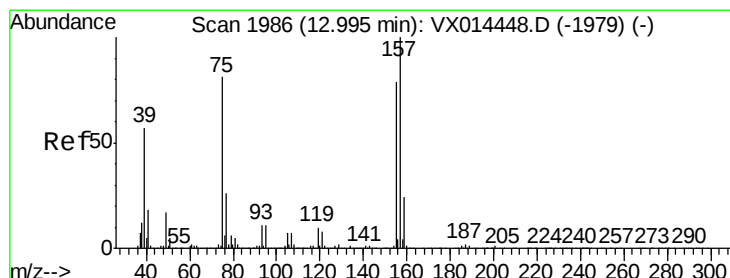
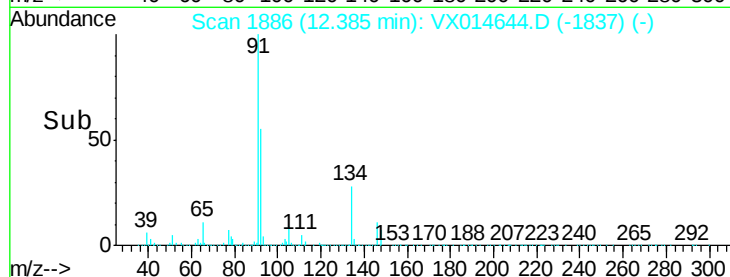
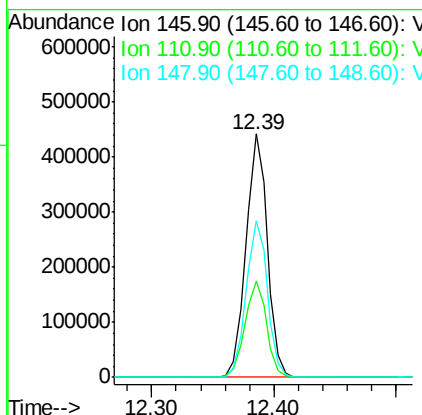
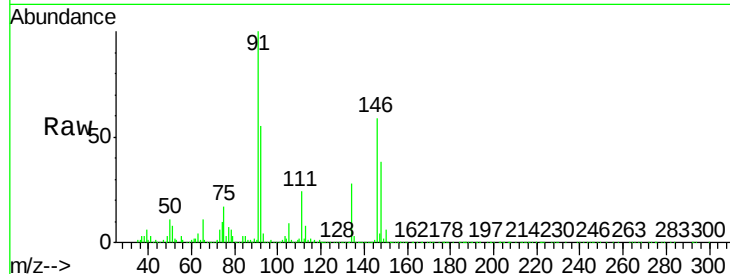
#91
 1,2-Dichlorobenzene
 Concen: 49.072 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX014644.D
 Acq: 17 Jan 2020 10:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	19.8	59.4
148	64.3	32.3	96.8

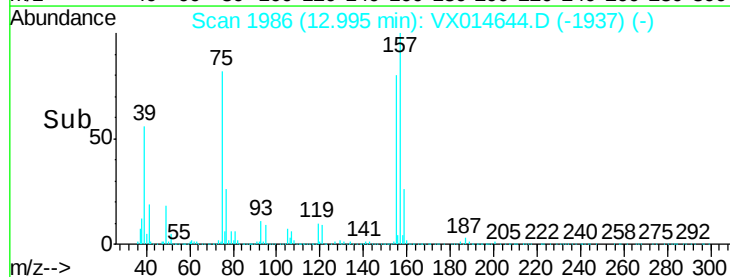
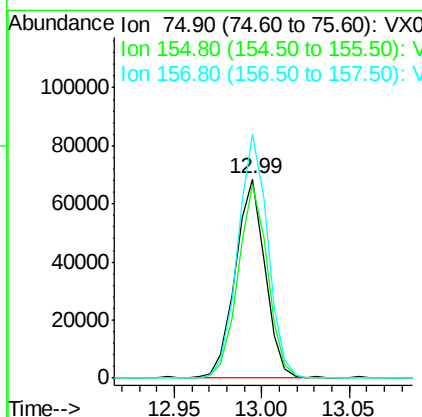
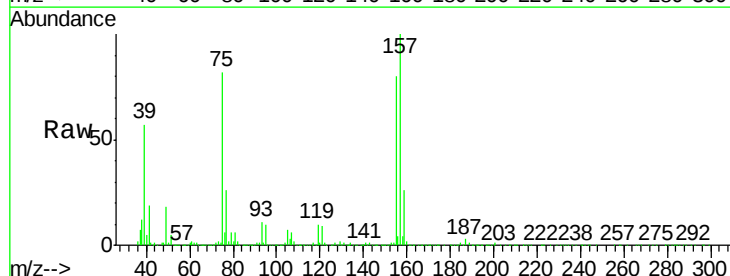
Manual Integrations
 APPROVED

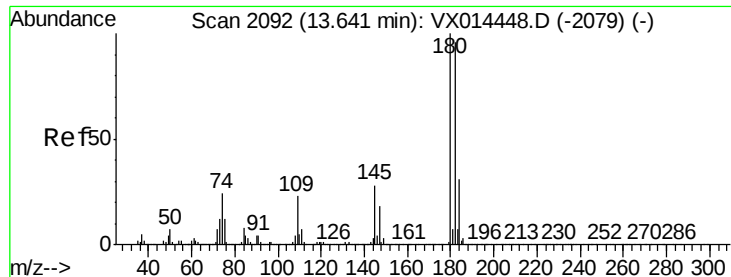
MMDadoda
 1/20/2020 11:19:41 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.305 ug/l
 RT: 12.99 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX014644.D
 Acq: 17 Jan 2020 10:41

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.4	48.7	146.1
157	123.7	62.0	185.9





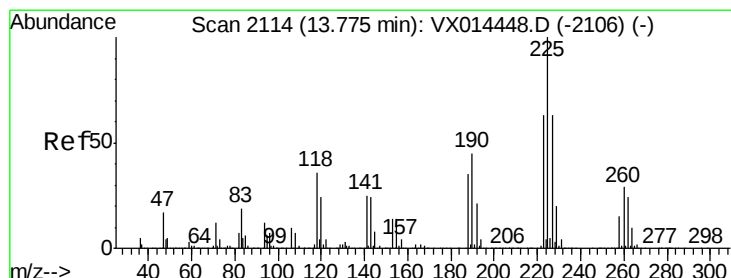
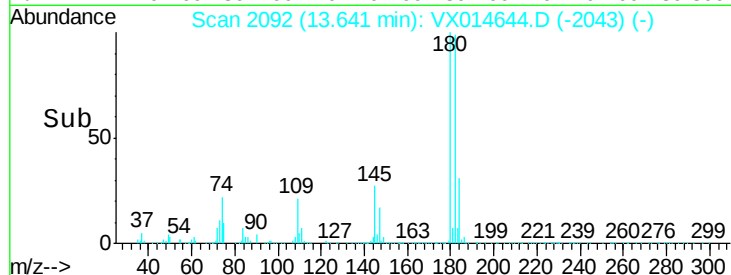
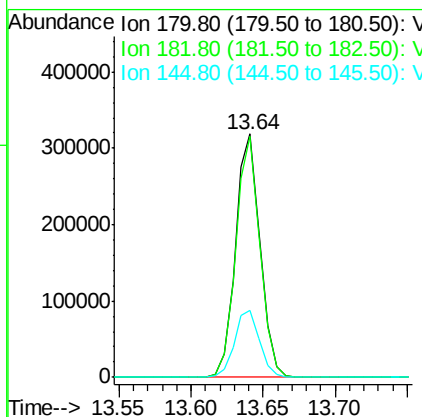
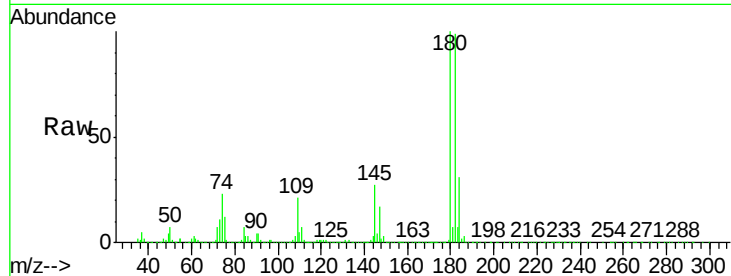
#93
 1,2,4-Trichlorobenzene
 Concen: 49.501 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX014644.D
 Acq: 17 Jan 2020 10:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.7	47.5	142.5
145	28.3	13.9	41.6

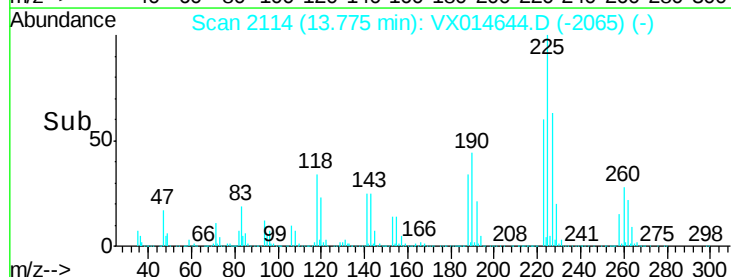
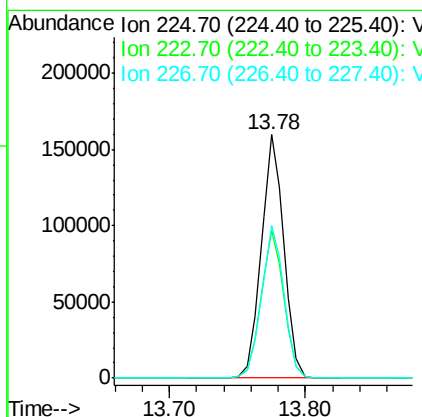
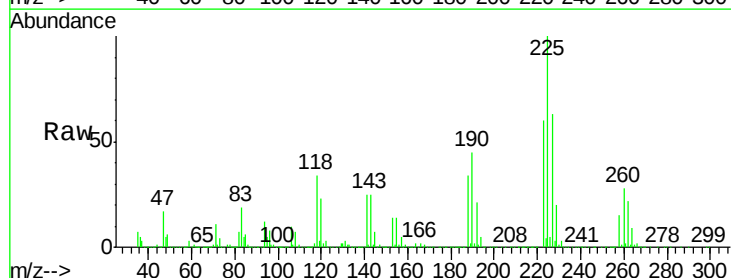
Manual Integrations
 APPROVED

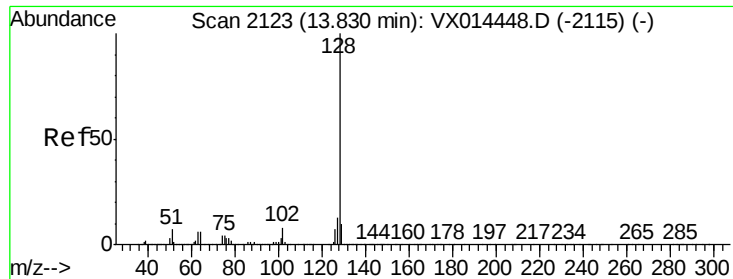
MMDadoda
 1/20/2020 11:19:41 AM



#94
 Hexachlorobutadiene
 Concen: 52.032 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VX014644.D
 Acq: 17 Jan 2020 10:41

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.3	31.1	93.2
227	62.6	31.4	94.2





#95

Naphthalene

Concen: 47.445 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX014644.D

Acq: 17 Jan 2020 10:41

Instrument :

MSVOA_X

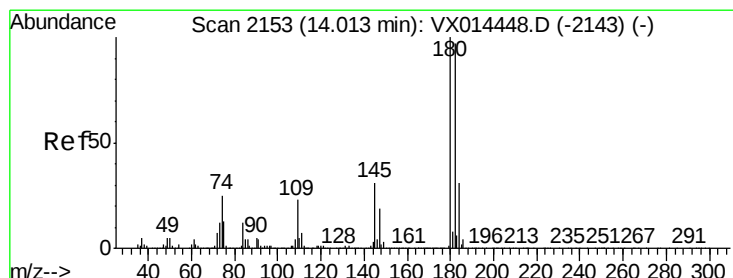
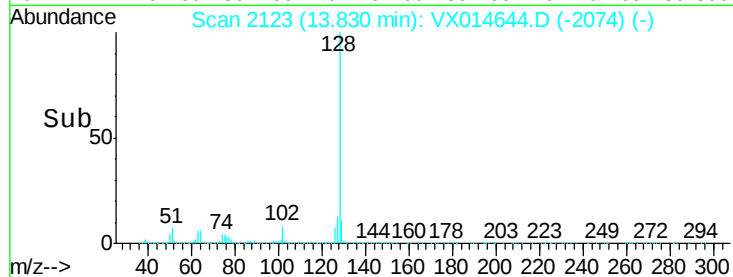
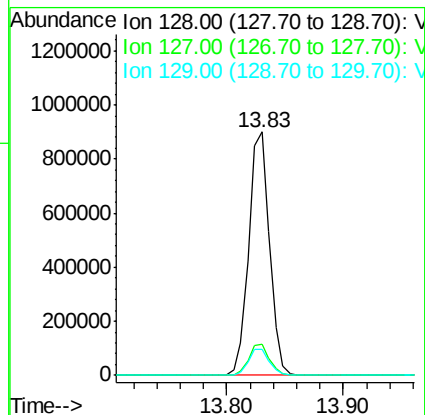
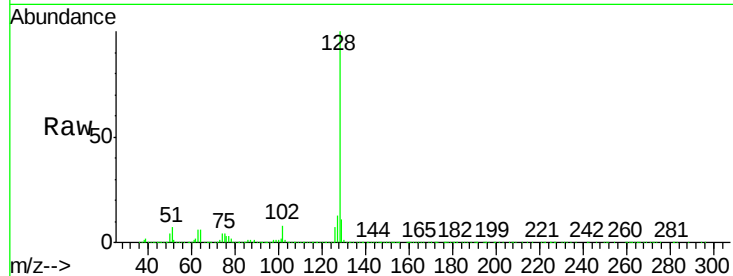
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.3	15.5
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
1/20/2020 11:19:41 AM



#96

1,2,3-Trichlorobenzene

Concen: 50.427 ug/l

RT: 14.01 min Scan# 2153

Delta R.T. 0.00 min

Lab File: VX014644.D

Acq: 17 Jan 2020 10:41

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.9	143.6
145	29.7	14.8	44.3

