

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX011320\
 Data File : VX014578.D
 Acq On : 13 Jan 2020 11:47
 Operator : JC/SP
 Sample : VX0113WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0113WBS01

Manual Integrations
 APPROVED

MMDadoda
 1/14/2020 3:08:54 PM

Quant Time: Jan 14 13:23:17 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	467263	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	696856	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	633509	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	316754	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	249103	47.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.52%	
35) Dibromofluoromethane	5.48	113	205625	48.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.50%	
50) Toluene-d8	8.71	98	802487	49.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.04%	
62) 4-Bromofluorobenzene	11.13	95	281062	46.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	115204	20.011	ug/l	99
3) Chloromethane	1.32	50	121602	20.416	ug/l	100
4) Vinyl Chloride	1.40	62	138739	20.904	ug/l	99
5) Bromomethane	1.64	94	79661	18.107	ug/l	94
6) Chloroethane	1.72	64	75855	20.206	ug/l	98
7) Trichlorofluoromethane	1.92	101	148113	19.673	ug/l	98
8) Diethyl Ether	2.18	74	64458	18.766	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	89835	19.613	ug/l	98
10) Methyl Iodide	2.50	142	98939	18.039	ug/l	99
11) Tert butyl alcohol	3.02	59	107324	98.540	ug/l	100
12) 1,1-Dichloroethene	2.37	96	87639	18.990	ug/l	97
13) Acrolein	2.28	56	59965	68.690	ug/l	98
14) Allyl chloride	2.72	41	157803	19.476	ug/l	98
15) Acrylonitrile	3.12	53	259461	98.704	ug/l	99
16) Acetone	2.43	43	272428	101.683	ug/l	100
17) Carbon Disulfide	2.56	76	233995	18.172	ug/l	97
18) Methyl Acetate	2.76	43	155688	20.766	ug/l	98
19) Methyl tert-butyl Ether	3.18	73	295248	19.930	ug/l	99
20) Methylene Chloride	2.85	84	109358	20.840	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	94243	18.706	ug/l	98
22) Diisopropyl ether	3.84	45	321573	20.537	ug/l	97
23) Vinyl Acetate	3.80	43	1240617	102.338	ug/l	99
24) 1,1-Dichloroethane	3.69	63	172729	20.278	ug/l	99
25) 2-Butanone	4.65	43	381675	97.956	ug/l	99
26) 2,2-Dichloropropane	4.57	77	137402	19.042	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	108527	19.269	ug/l	98
28) Bromochloromethane	5.00	49	74592	20.782	ug/l	96
29) Tetrahydrofuran	5.11	42	228560	99.214	ug/l	99
30) Chloroform	5.20	83	165940	19.936	ug/l	98
31) Cyclohexane	5.56	56	160723	20.159	ug/l	96
32) 1,1,1-Trichloroethane	5.48	97	141463	19.855	ug/l	99
36) 1,1-Dichloropropene	5.78	75	127798	19.501	ug/l	99
37) Ethyl Acetate	4.81	43	137900	19.373	ug/l	99
38) Carbon Tetrachloride	5.77	117	120107	19.916	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX011320\
 Data File : VX014578.D
 Acq On : 13 Jan 2020 11:47
 Operator : JC/SP
 Sample : VX0113WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0113WBS01

Manual Integrations
 APPROVED

MMDadoda
 1/14/2020 3:08:54 PM

Quant Time: Jan 14 13:23:17 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	164118	19.934	ug/l	98
40) Benzene	6.13	78	389258	20.013	ug/l	99
41) Methacrylonitrile	5.02	41	75494	19.888	ug/l	98
42) 1,2-Dichloroethane	6.18	62	133474	19.627	ug/l	99
43) Isopropyl Acetate	6.43	43	230059	20.007	ug/l	99
44) Trichloroethene	7.20	130	108175	19.353	ug/l	100
45) 1,2-Dichloropropane	7.50	63	102146	20.599	ug/l	96
46) Dibromomethane	7.65	93	64744	18.707	ug/l	99
47) Bromodichloromethane	7.89	83	127183	20.195	ug/l	97
48) Methyl methacrylate	7.76	41	111882	20.315	ug/l	99
49) 1,4-Dioxane	7.73	88	47230	404.726	ug/l	98
51) 4-Methyl-2-Pentanone	8.63	43	719219	102.641	ug/l	98
52) Toluene	8.78	92	245006	19.678	ug/l	99
53) t-1,3-Dichloropropene	9.03	75	140490	19.161	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	158256	19.981	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	99719	19.940	ug/l	95
56) Ethyl methacrylate	9.17	69	153041	19.975	ug/l	98
57) 1,3-Dichloropropane	9.36	76	168450	20.145	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.30	63	260764	100.032	ug/l	99
59) 2-Hexanone	9.48	43	555141	100.127	ug/l	99
60) Dibromochloromethane	9.57	129	99847	19.864	ug/l	99
61) 1,2-Dibromoethane	9.67	107	104222	19.674	ug/l	98
64) Tetrachloroethene	9.33	164	115714	18.225	ug/l	98
65) Chlorobenzene	10.13	112	265192	19.289	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	96112	19.589	ug/l	98
67) Ethyl Benzene	10.25	91	467064	19.932	ug/l	100
68) m/p-Xylenes	10.36	106	354125	39.172	ug/l	99
69) o-Xylene	10.69	106	170176	19.729	ug/l	99
70) Styrene	10.71	104	289484	19.447	ug/l	100
71) Bromoform	10.85	173	74993	18.682	ug/l #	100
73) Isopropylbenzene	11.01	105	456143	20.507	ug/l	99
74) N-amyl acetate	10.89	43	192173	19.583	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	145208	20.357	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	126222m	19.260	ug/l	
77) Bromobenzene	11.25	156	117977	19.126	ug/l	100
78) n-propylbenzene	11.35	91	518664	20.361	ug/l	99
79) 2-Chlorotoluene	11.42	91	302100	19.898	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	380954	20.629	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	47168	19.028	ug/l	94
82) 4-Chlorotoluene	11.50	91	352259	19.767	ug/l	98
83) tert-Butylbenzene	11.76	119	355981	20.402	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	380064	20.368	ug/l	100
85) sec-Butylbenzene	11.94	105	440093	20.289	ug/l	99
86) p-Isopropyltoluene	12.06	119	405379	20.139	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	209104	18.889	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	208304	19.673	ug/l	98
89) n-Butylbenzene	12.38	91	350701	19.056	ug/l	99
90) Hexachloroethane	12.59	117	69053	19.530	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	208945	19.265	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.99	75	30310	18.890	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX011320\
Data File : VX014578.D
Acq On : 13 Jan 2020 11:47
Operator : JC/SP
Sample : VX0113WBS01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0113WBS01

Manual Integrations
APPROVED

MMDadoda
1/14/2020 3:08:54 PM

Quant Time: Jan 14 13:23:17 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	144904	18.966	ug/l	99
94) Hexachlorobutadiene	13.78	225	70451	19.798	ug/l	98
95) Naphthalene	13.83	128	414355	17.537	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	144373	19.159	ug/l	98

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

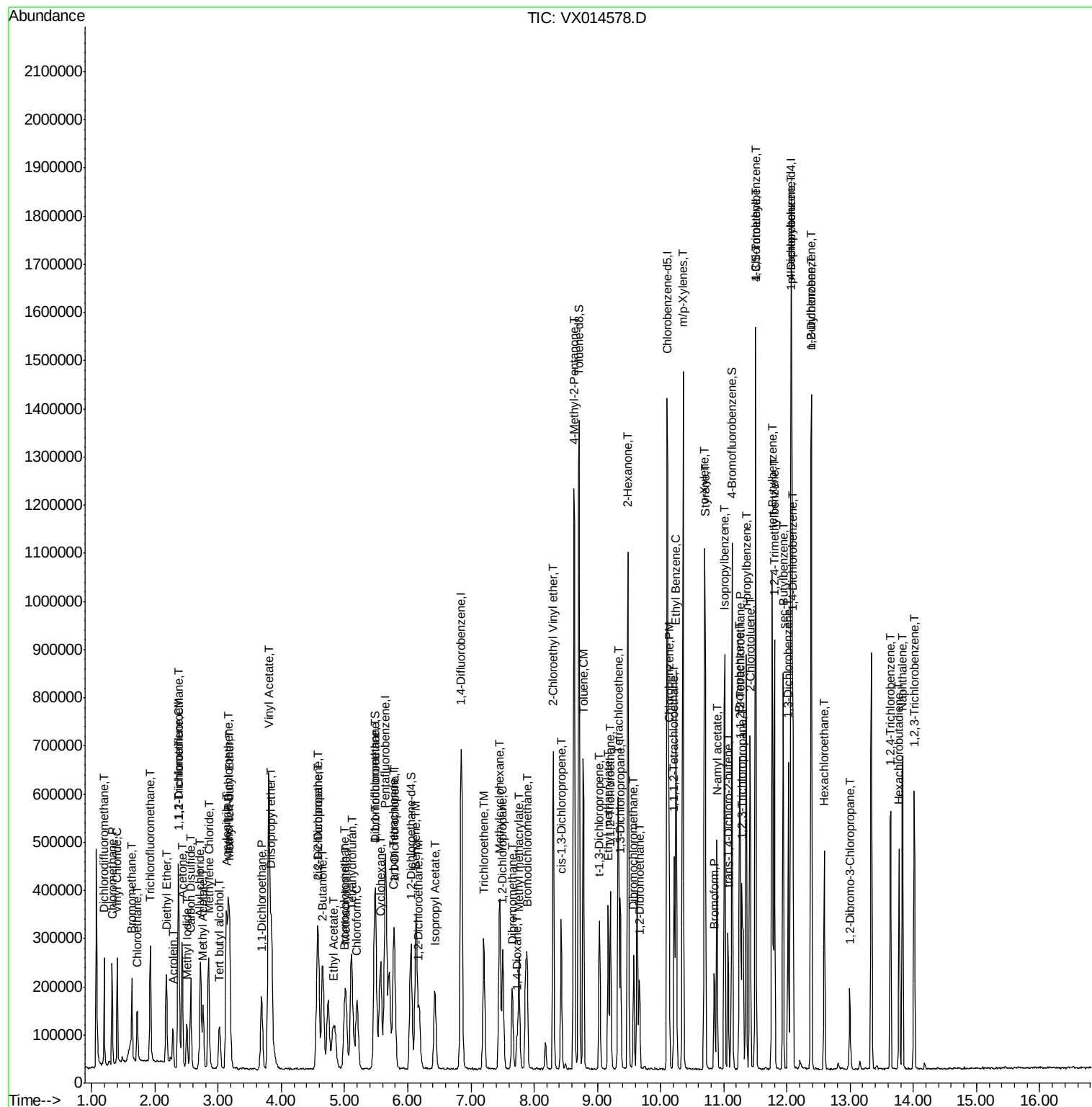
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX011320\
Data File : VX014578.D
Acq On : 13 Jan 2020 11:47
Operator : JC/SP
Sample : VX0113WBS01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 4 Sample Multiplier: 1

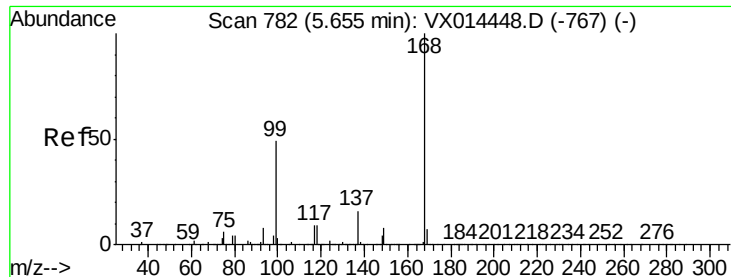
Instrument :
MSVOA_X
ClientSampleID :
VX0113WBS01

Manual Integrations
APPROVED

MMDadoda
1/14/2020 3:08:54 PM

Quant Time: Jan 14 13:23:17 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X010720W.M
Quant Title : SW846 8260
QLast Update : Tue Jan 07 15:54:41 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.01 min

Lab File: VX014578.D

Acq: 13 Jan 2020 11:47

Instrument :

MSVOA_X

ClientSampleId :

VX0113WBS01

Tot Ion:168 Resp: 467263

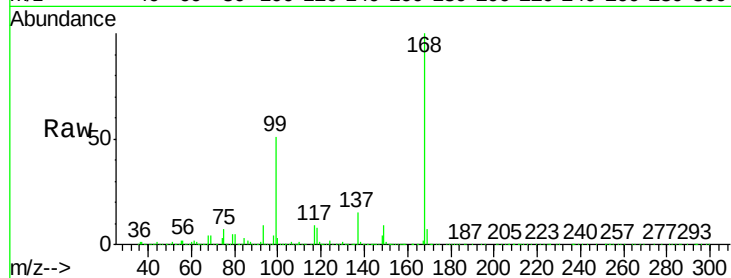
Ion Ratio Lower Upper

168 100

99 50.4 39.2 58.8

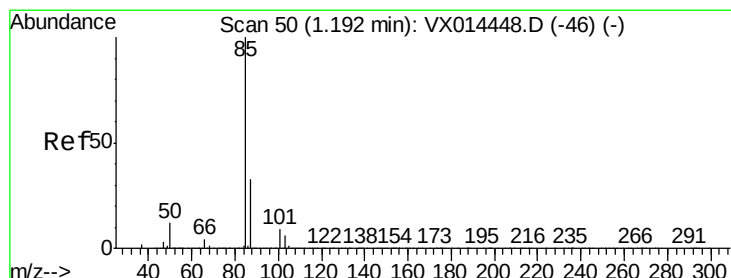
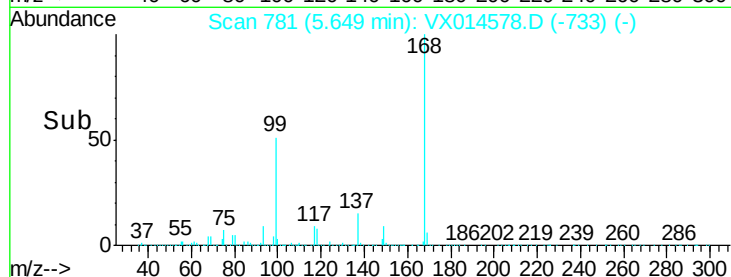
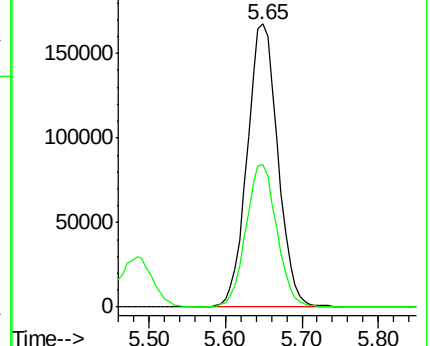
Manual Integrations
APPROVED

MMDadoda
1/14/2020 3:08:54 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 20.011 ug/l

RT: 1.19 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX014578.D

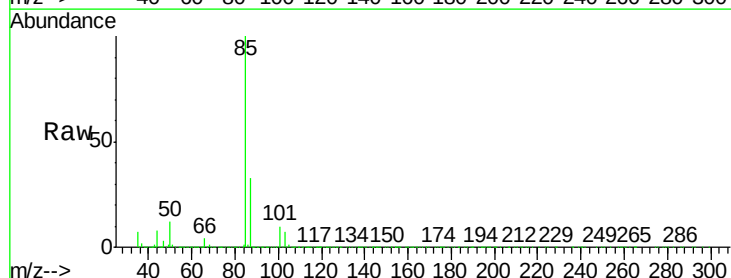
Acq: 13 Jan 2020 11:47

Tgt Ion: 85 Resp: 115204

Ion Ratio Lower Upper

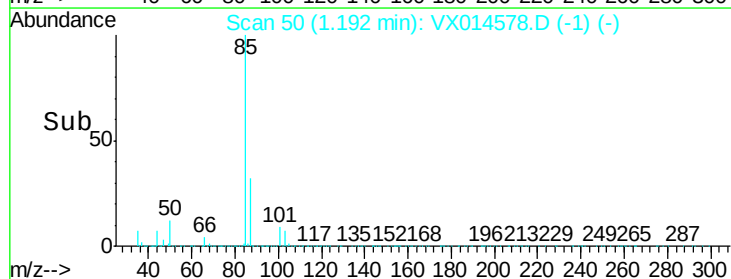
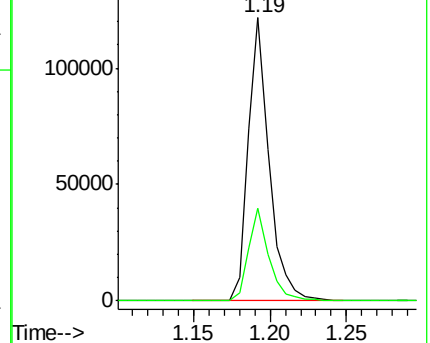
85 100

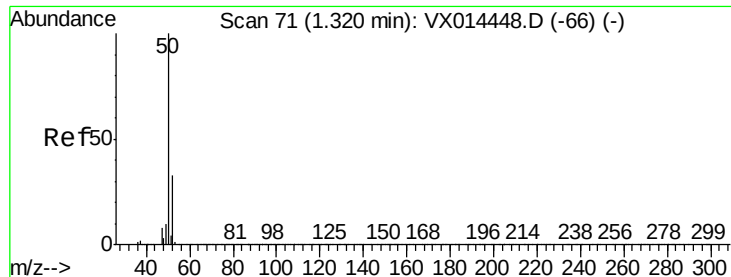
87 32.5 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





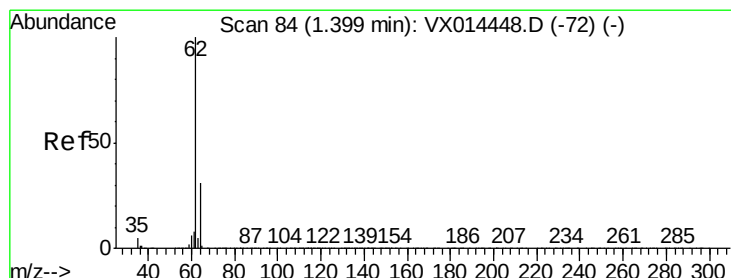
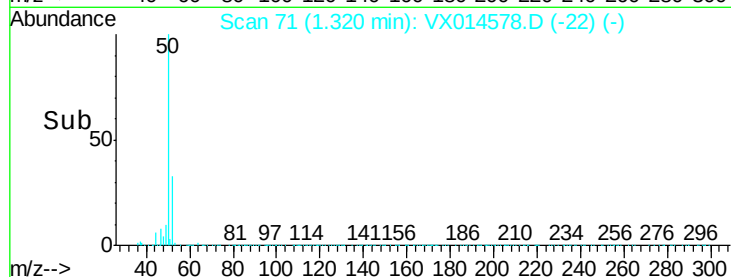
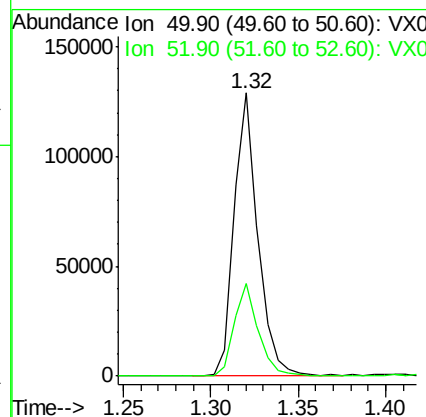
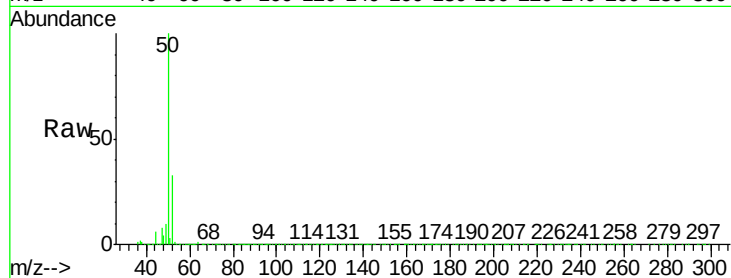
#3
Chloromethane
Concen: 20.416 ug/l
RT: 1.32 min Scan# 71
Delta R.T. 0.00 min
Lab File: VX014578.D
Acq: 13 Jan 2020 11:47

Instrument :
MSVOA_X
ClientSampleId :
VX0113WBS01

Tot Ion	Ratio	Lower	Upper
50	100		
52	32.7	26.1	39.1

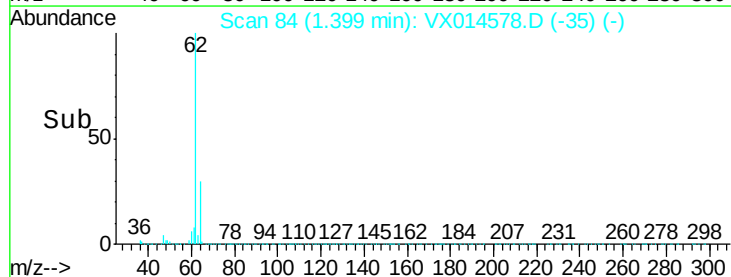
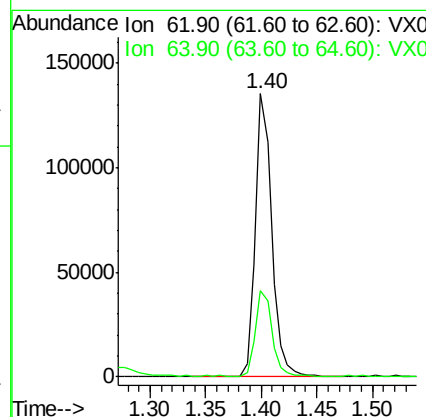
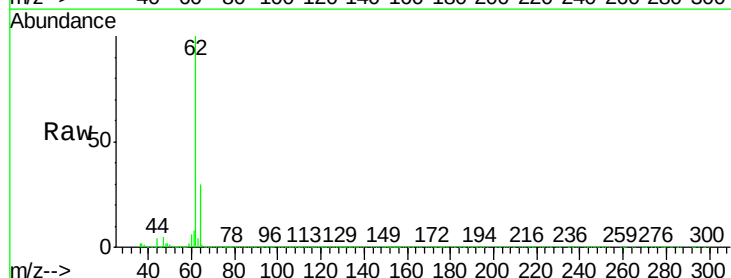
Manual Integrations
APPROVED

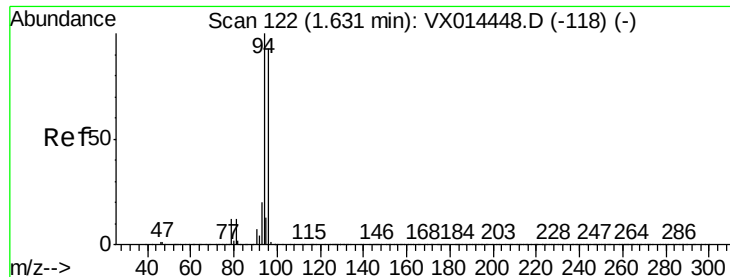
MMDadoda
1/14/2020 3:08:54 PM



#4
Vinyl Chloride
Concen: 20.904 ug/l
RT: 1.40 min Scan# 84
Delta R.T. 0.00 min
Lab File: VX014578.D
Acq: 13 Jan 2020 11:47

Tgt Ion	Ratio	Lower	Upper
62	100		
64	30.0	24.6	37.0





#5

Bromomethane

Concen: 18.107 ug/l

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX014578.D

Acq: 13 Jan 2020 11:47

Instrument :

MSVOA_X

ClientSampleId :

VX0113WBS01

Tot Ion: 94 Resp: 79661

Ion Ratio Lower Upper

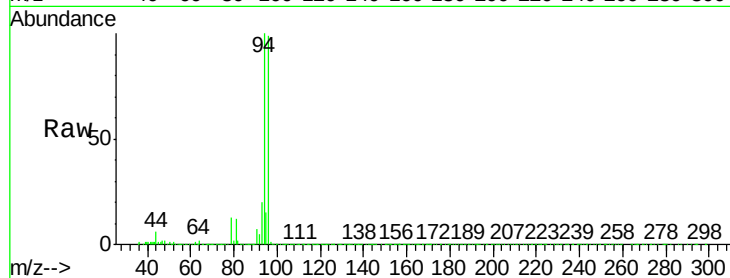
94 100

96 98.8 74.2 111.2

Manual Integrations
APPROVED

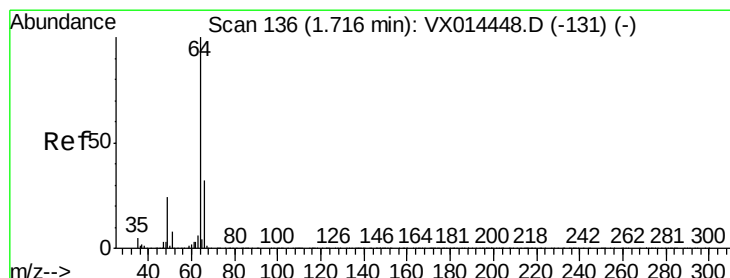
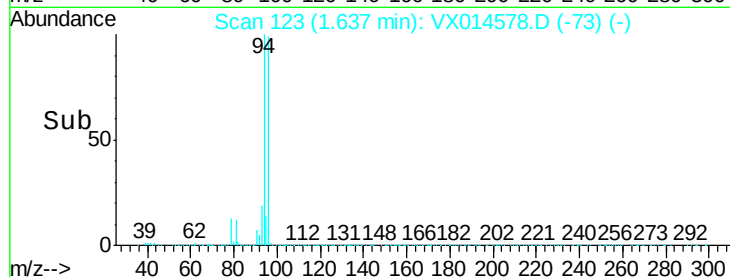
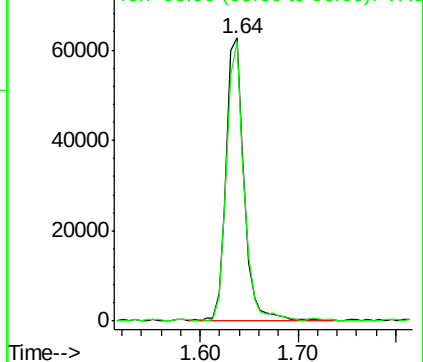
MMDadoda

1/14/2020 3:08:54 PM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 20.206 ug/l

RT: 1.72 min Scan# 137

Delta R.T. 0.01 min

Lab File: VX014578.D

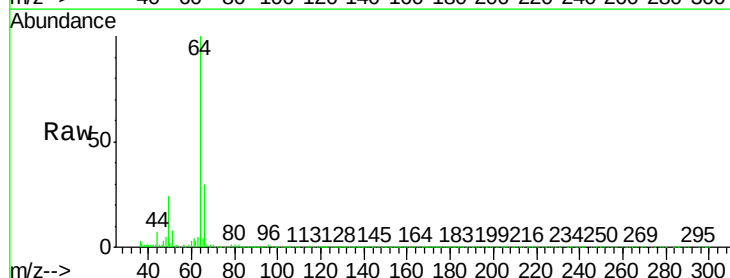
Acq: 13 Jan 2020 11:47

Tgt Ion: 64 Resp: 75855

Ion Ratio Lower Upper

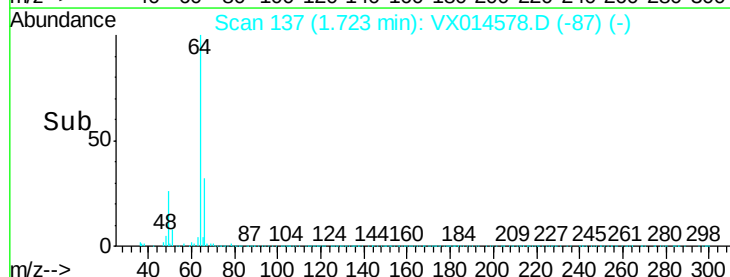
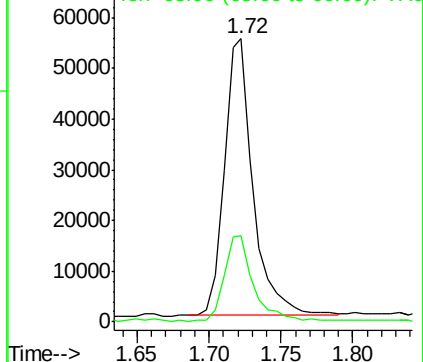
64 100

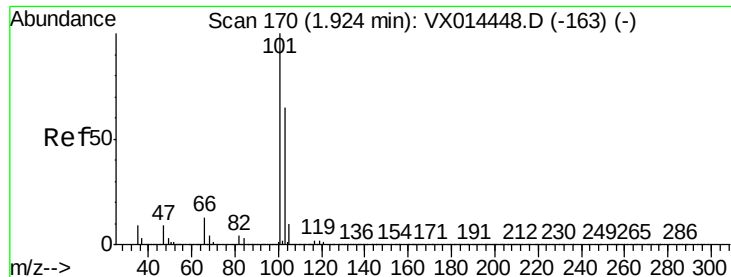
66 30.7 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

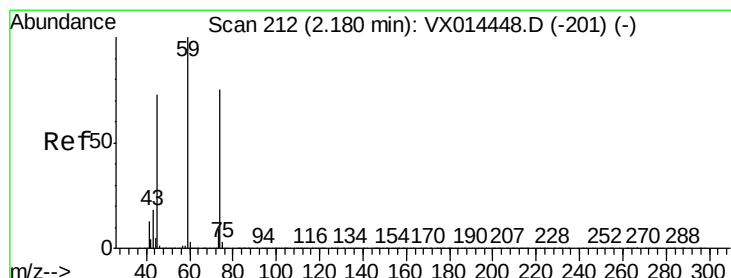
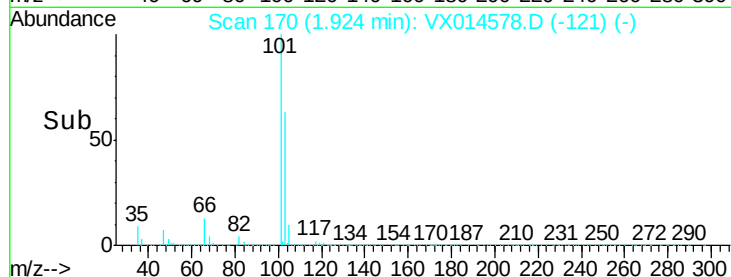
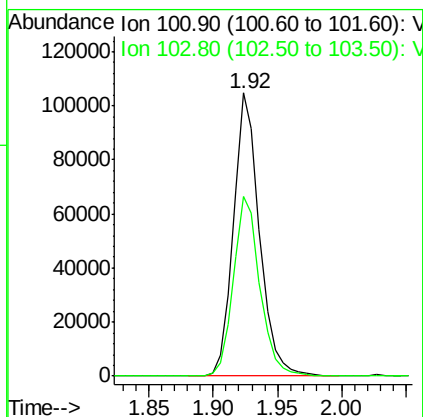
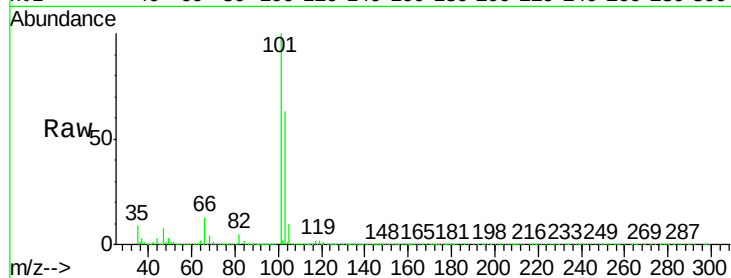
Trichlorofluoromethane
Concen: 19.673 ug/l
RT: 1.92 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX014578.D
Acq: 13 Jan 2020 11:47

Instrument :
MSVOA_X
ClientSampleId :
VX0113WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.3	52.2	78.4

Manual Integrations
APPROVED

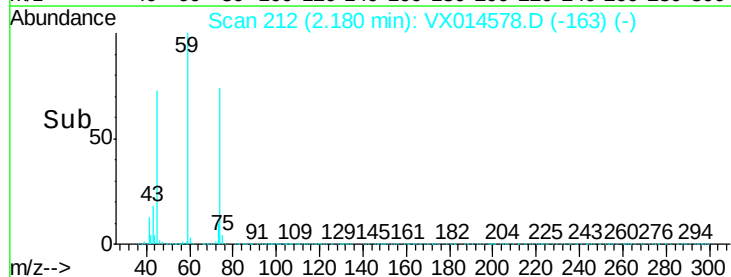
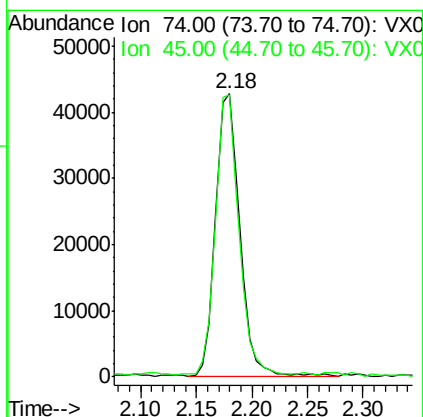
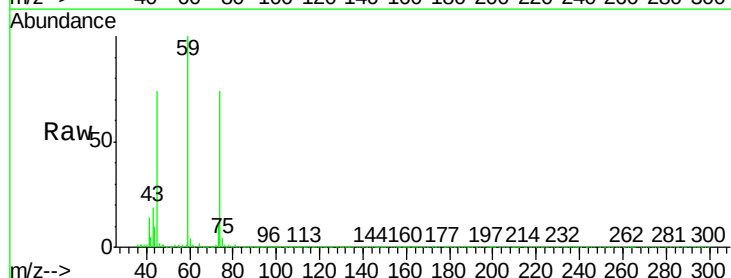
MMDadoda
1/14/2020 3:08:54 PM

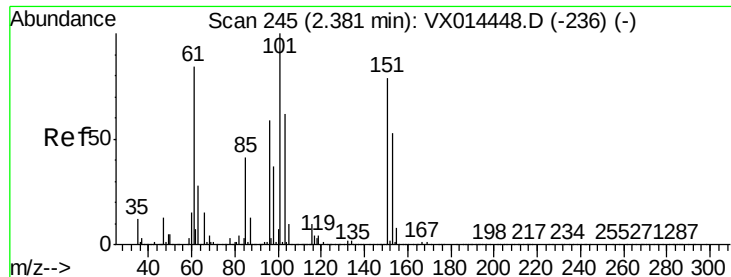


#8

Diethyl Ether
Concen: 18.766 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX014578.D
Acq: 13 Jan 2020 11:47

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.0	48.7	146.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.613 ug/l

RT: 2.38 min Scan# 245

Delta R.T. 0.00 min

Lab File: VX014578.D

Acq: 13 Jan 2020 11:47

Instrument :

MSVOA_X

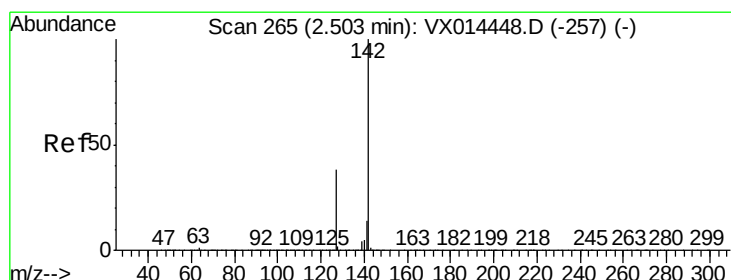
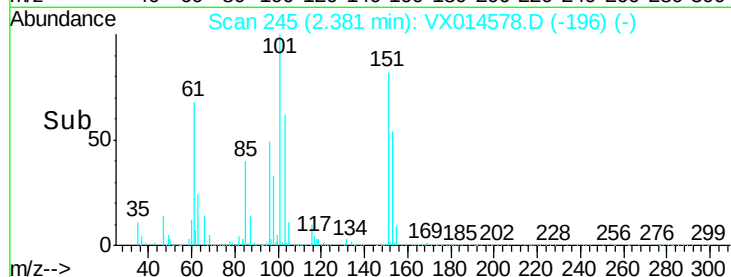
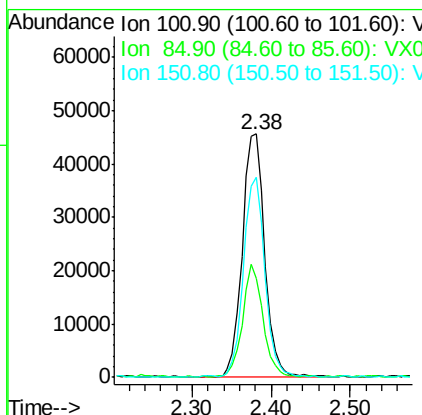
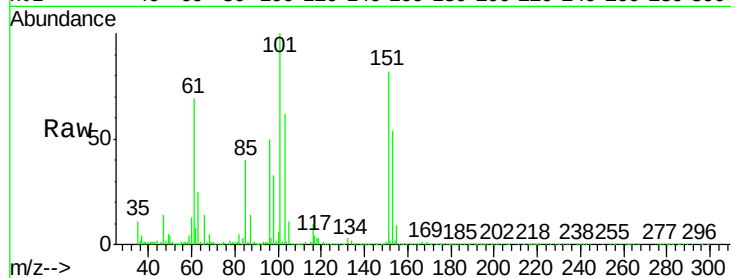
ClientSampleId :

VX0113WBS01

Tot Ion:	101	Resp:	89835
Ion Ratio	Lower	Upper	
101	100		
85	42.8	33.8	50.8
151	79.1	65.3	97.9

Manual Integrations
APPROVED

MMDadoda
1/14/2020 3:08:54 PM



#10

Methyl Iodide

Concen: 18.039 ug/l

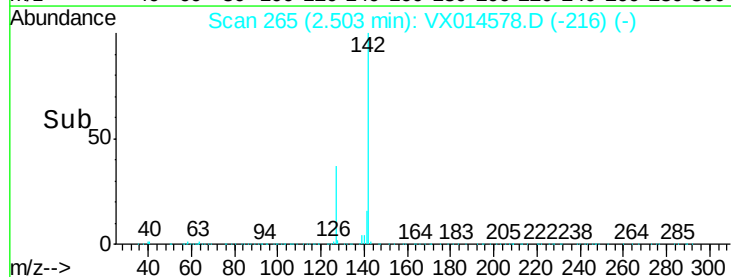
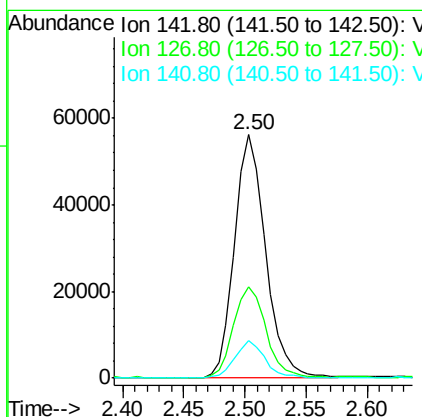
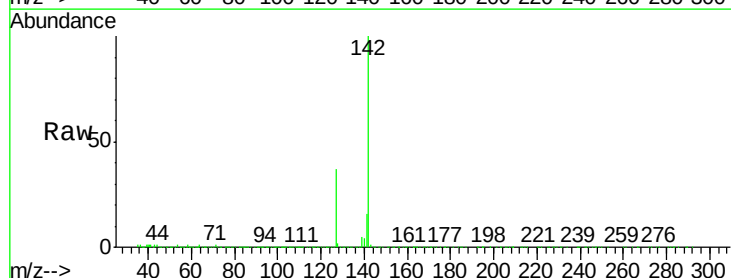
RT: 2.50 min Scan# 265

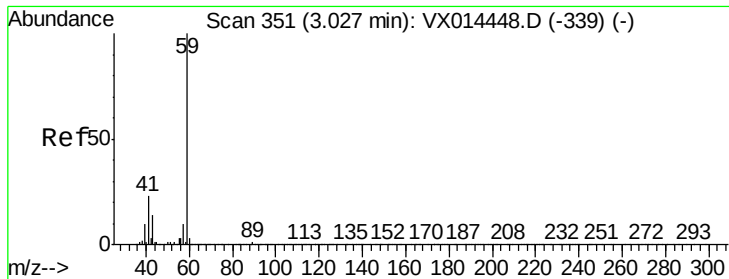
Delta R.T. 0.00 min

Lab File: VX014578.D

Acq: 13 Jan 2020 11:47

Tgt Ion:	142	Resp:	98939
Ion Ratio	Lower	Upper	
142	100		
127	39.7	31.2	46.8
141	15.2	11.4	17.2





#11

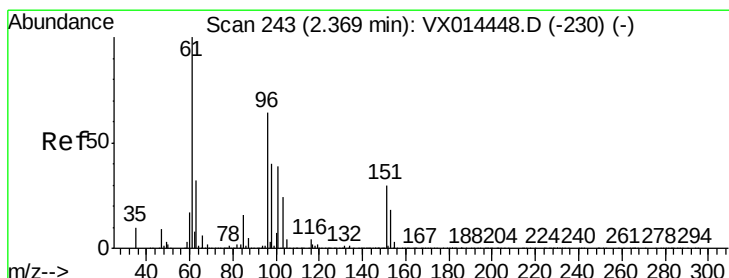
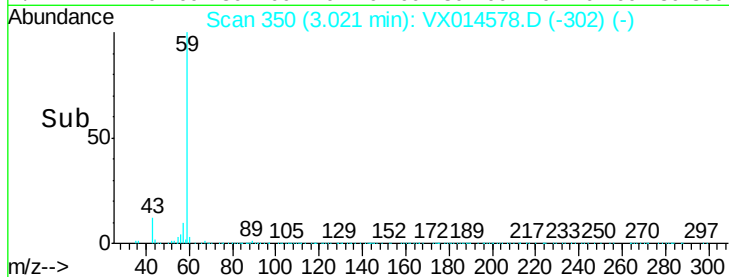
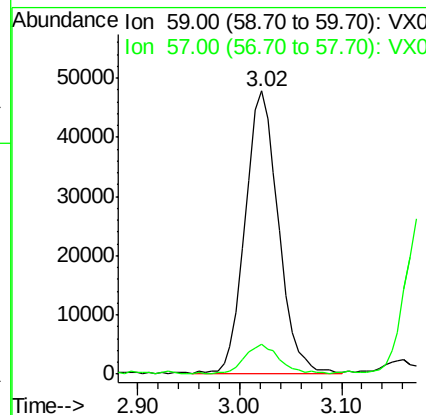
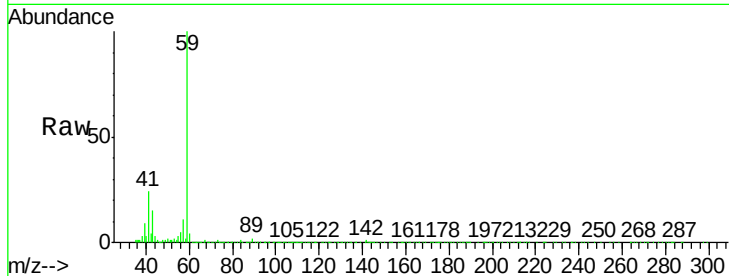
Tert butyl alcohol
Concen: 98.540 ug/l
RT: 3.02 min Scan# 350
Delta R.T. -0.01 min
Lab File: VX014578.D
Acq: 13 Jan 2020 11:47

Instrument :
MSVOA_X
ClientSampleId :
VX0113WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.5	12.7

Manual Integrations
APPROVED

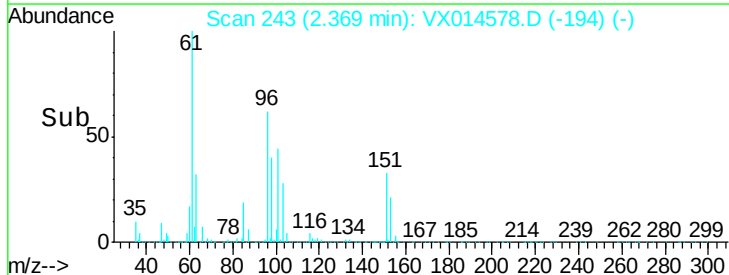
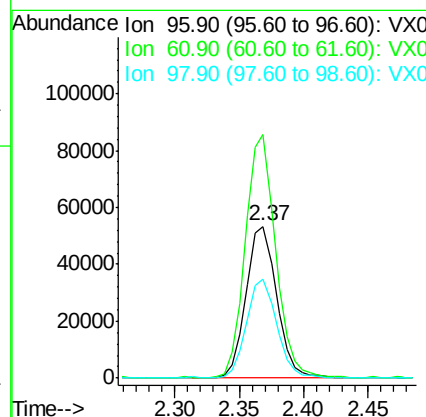
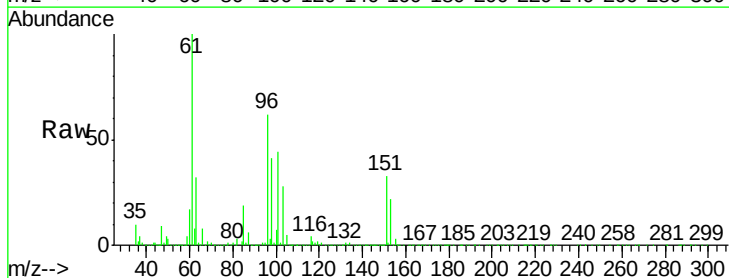
MMDadoda
1/14/2020 3:08:54 PM

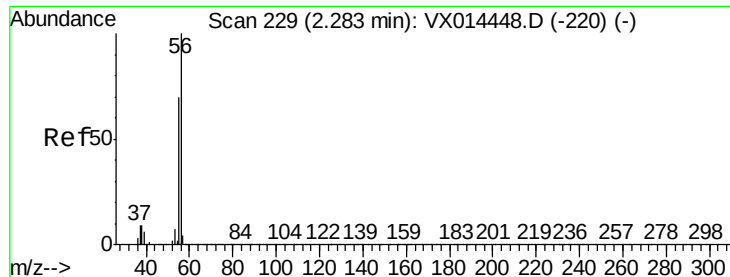


#12

1,1-Dichloroethene
Concen: 18.990 ug/l
RT: 2.37 min Scan# 243
Delta R.T. 0.00 min
Lab File: VX014578.D
Acq: 13 Jan 2020 11:47

Tgt Ion	Ratio	Lower	Upper
96	100		
61	160.0	125.0	187.6
98	64.8	50.2	75.2





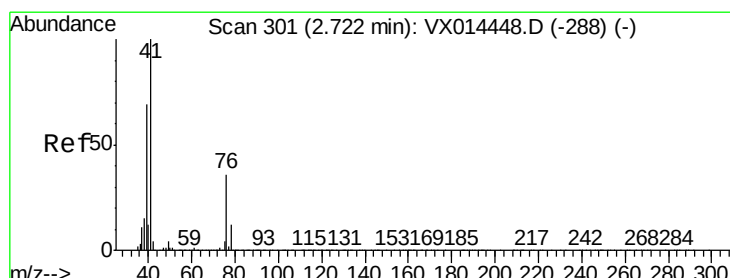
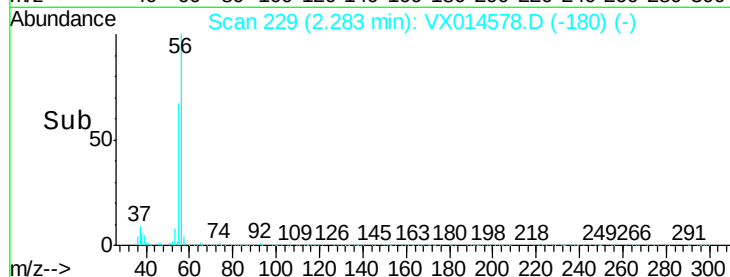
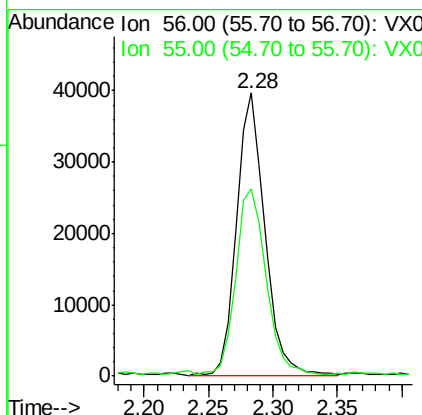
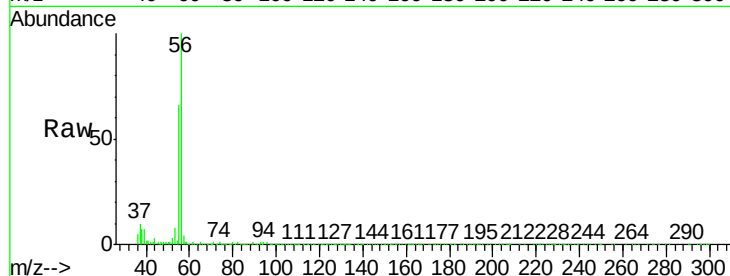
#13
Acrolein
Concen: 68.690 ug/l
RT: 2.28 min Scan# 229
Delta R.T. 0.00 min
Lab File: VX014578.D
Acq: 13 Jan 2020 11:47

Instrument :
MSVOA_X
ClientSampleId :
VX0113WBS01

Tot Ion	Ion	Ratio	Lower	Upper
56	56	100		
55	55	70.1	55.0	82.6

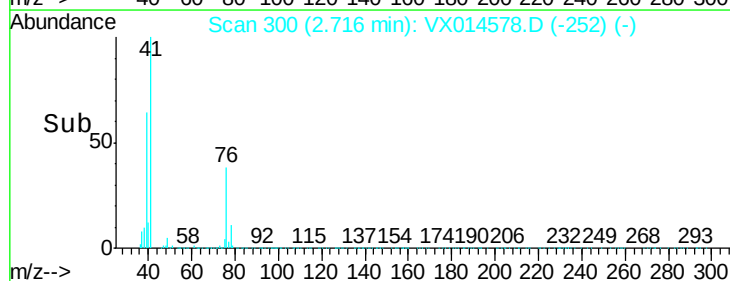
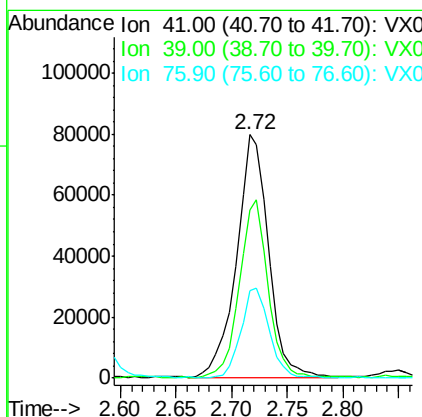
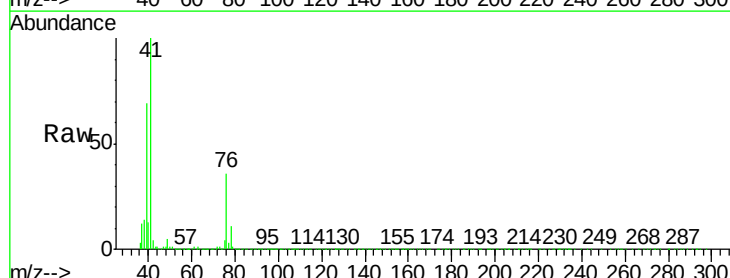
Manual Integrations
APPROVED

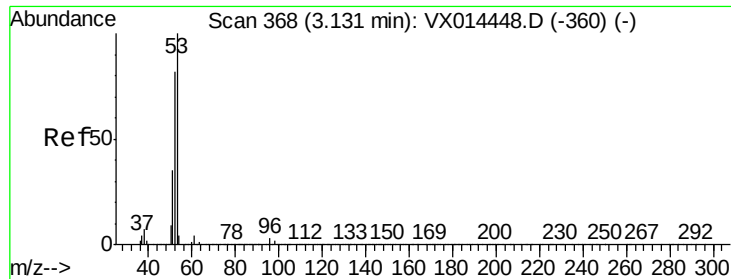
MMDadoda
1/14/2020 3:08:54 PM



#14
Allyl chloride
Concen: 19.476 ug/l
RT: 2.72 min Scan# 300
Delta R.T. -0.01 min
Lab File: VX014578.D
Acq: 13 Jan 2020 11:47

Tgt Ion	Ion	Ratio	Lower	Upper
41	41	100		
39	39	66.8	51.7	77.5
76	76	32.5	26.8	40.2





#15

Acrylonitrile

Concen: 98.704 ug/l

RT: 3.12 min Scan# 367

Delta R.T. -0.01 min

Lab File: VX014578.D

Acq: 13 Jan 2020 11:47

Instrument :

MSVOA_X

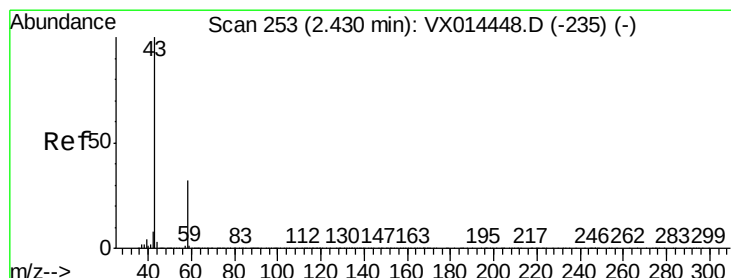
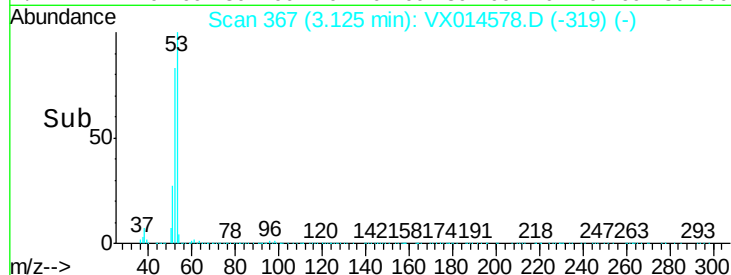
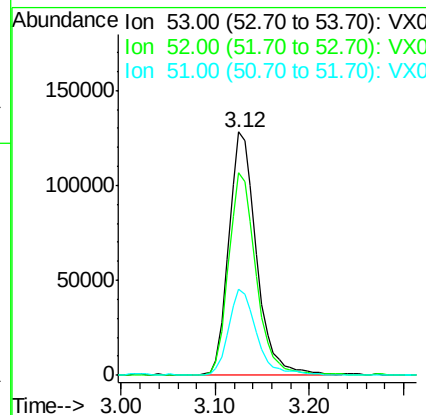
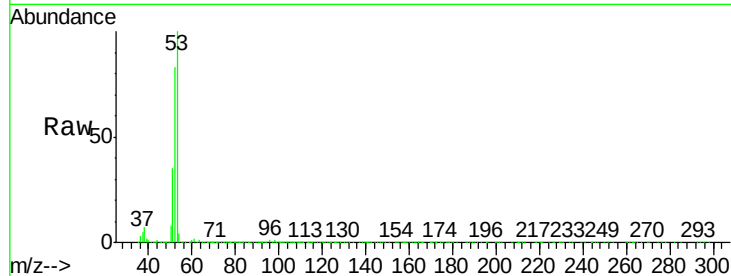
ClientSampleId :

VX0113WBS01

Tot Ion:	53	Resp:	259461
Ion Ratio	Lower	Upper	
53	100		
52	82.5	67.0	100.4
51	35.9	28.5	42.7

Manual Integrations
APPROVED

MMDadoda
1/14/2020 3:08:54 PM



#16

Acetone

Concen: 101.683 ug/l

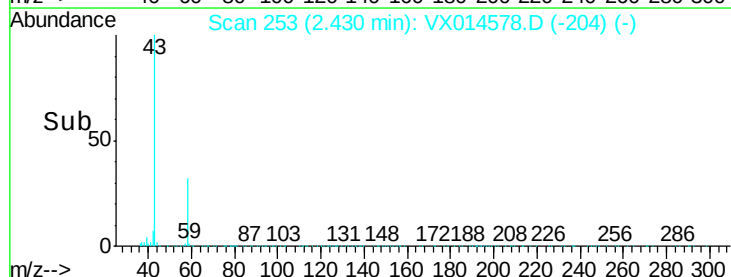
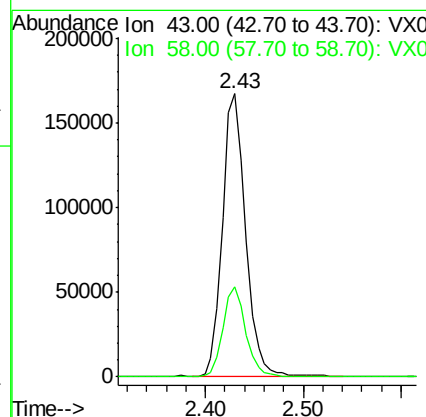
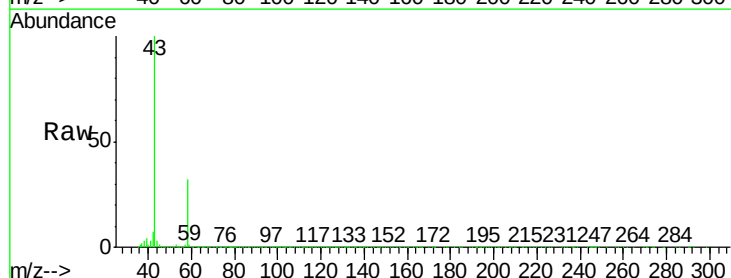
RT: 2.43 min Scan# 253

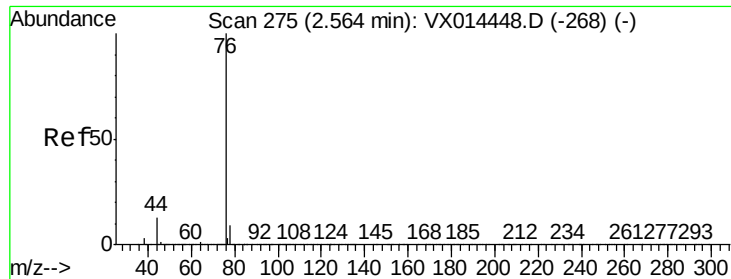
Delta R.T. 0.00 min

Lab File: VX014578.D

Acq: 13 Jan 2020 11:47

Tgt Ion:	43	Resp:	272428
Ion Ratio	Lower	Upper	
43	100		
58	31.6	25.4	38.0





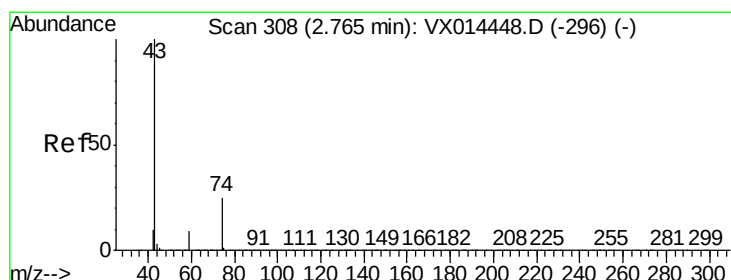
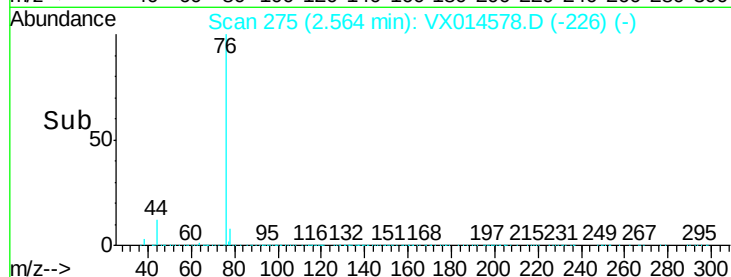
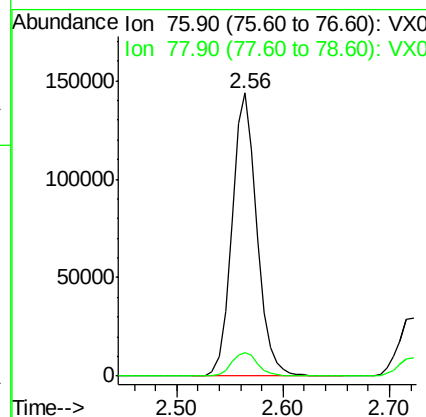
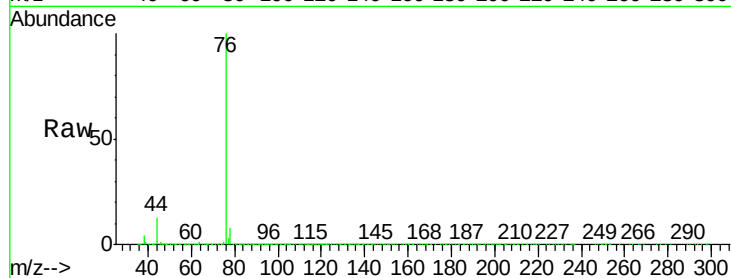
#17
Carbon Disulfide
Concen: 18.172 ug/l
RT: 2.56 min Scan# 275
Delta R.T. 0.00 min
Lab File: VX014578.D
Acq: 13 Jan 2020 11:47

Instrument :
MSVOA_X
ClientSampleId :
VX0113WBS01

Tot Ion	Ratio	Resp Lower	Upper
76	100		
78	8.2	7.4	11.2

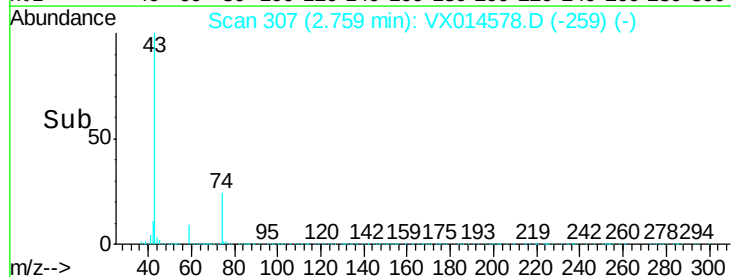
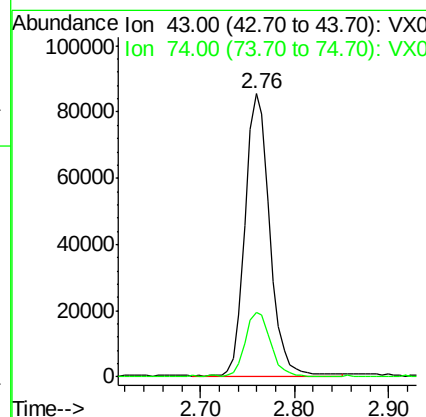
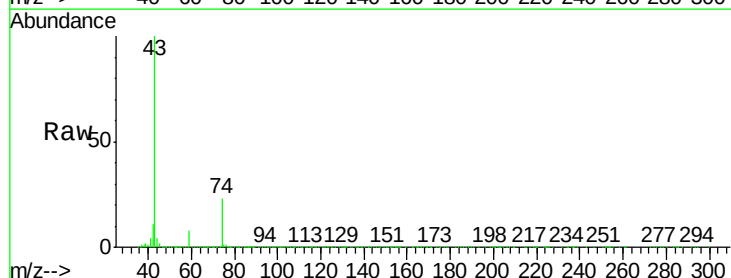
Manual Integrations
APPROVED

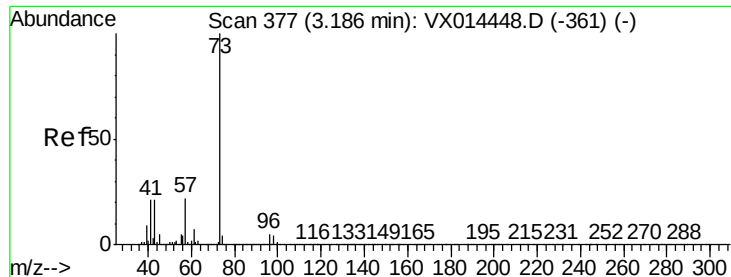
MMDadoda
1/14/2020 3:08:54 PM



#18
Methyl Acetate
Concen: 20.766 ug/l
RT: 2.76 min Scan# 307
Delta R.T. -0.01 min
Lab File: VX014578.D
Acq: 13 Jan 2020 11:47

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
74	23.3	19.4	29.2





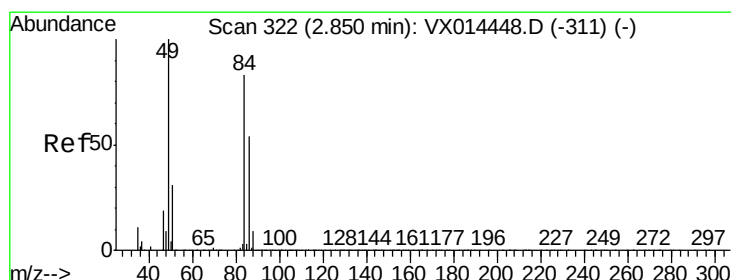
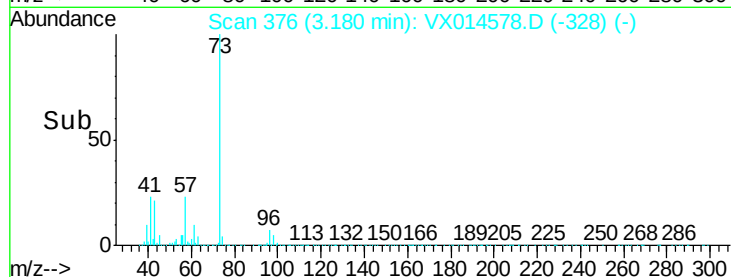
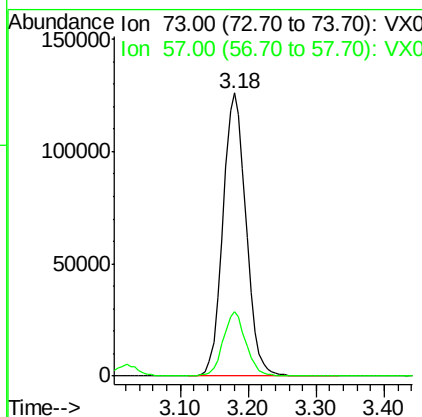
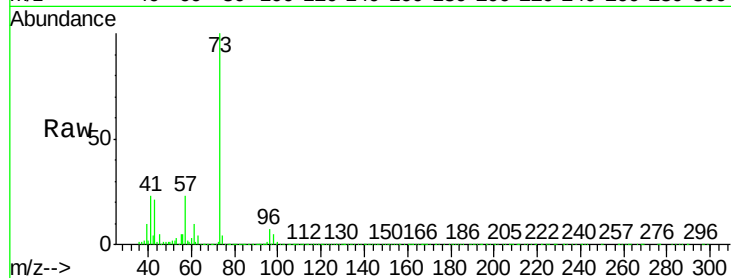
#19
Methyl tert-butyl Ether
Concen: 19.930 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.01 min
Lab File: VX014578.D
Acq: 13 Jan 2020 11:47

Instrument :
MSVOA_X
ClientSampled :
VX0113WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.8	17.8	26.8

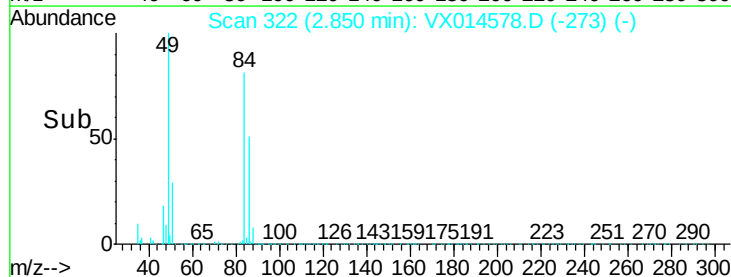
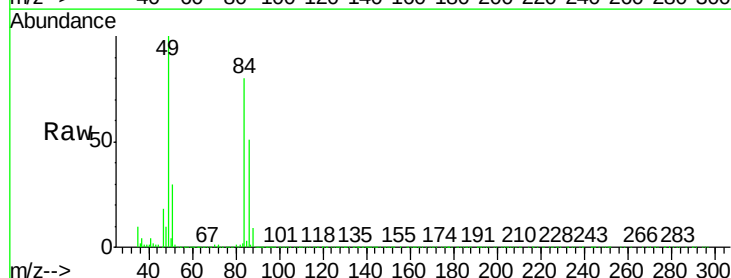
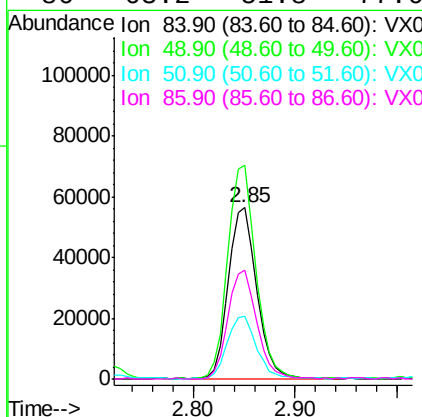
Manual Integrations
APPROVED

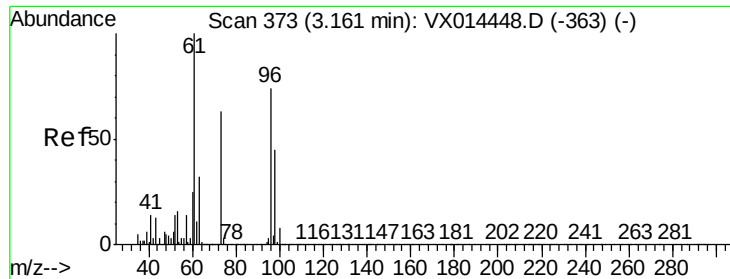
MMDadoda
1/14/2020 3:08:54 PM



#20
Methylene Chloride
Concen: 20.840 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.00 min
Lab File: VX014578.D
Acq: 13 Jan 2020 11:47

Tgt Ion	Ratio	Lower	Upper
84	100		
49	124.2	95.8	143.8
51	36.7	30.2	45.4
86	63.2	51.8	77.6





#21

trans-1,2-Dichloroethene

Concen: 18.706 ug/l

RT: 3.16 min Scan# 372

Delta R.T. -0.01 min

Lab File: VX014578.D

Acq: 13 Jan 2020 11:47

Instrument :

MSVOA_X

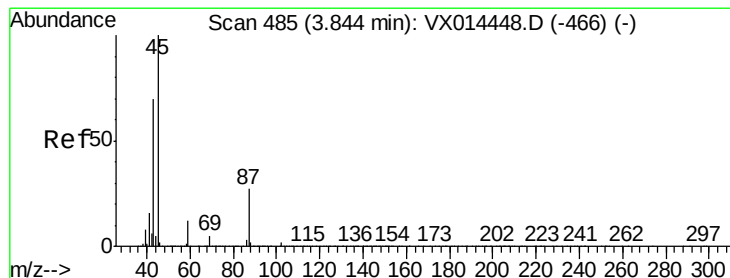
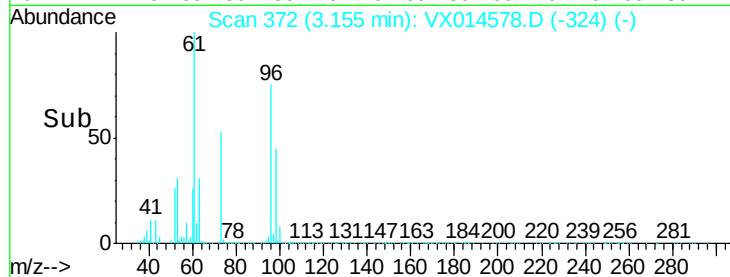
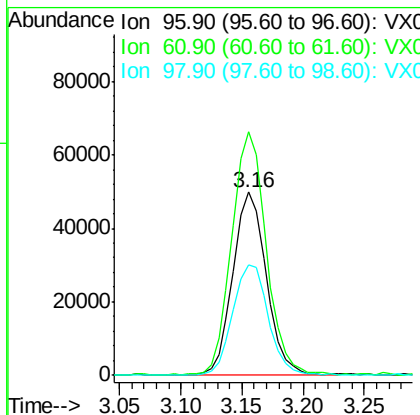
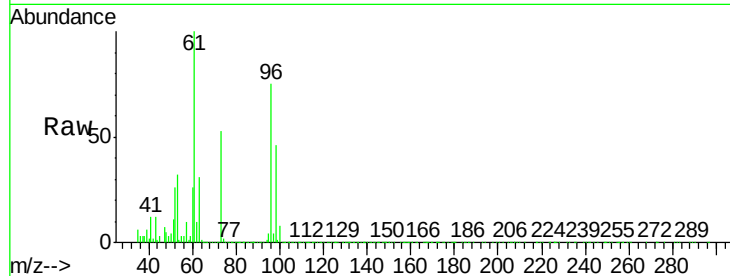
ClientSampleId :

VX0113WBS01

Tot Ion:	96	Resp:	94243
Ion Ratio	Lower	Upper	
96	100		
61	132.8	108.2	162.4
98	60.6	48.8	73.2

Manual Integrations
APPROVED

MMDadoda
1/14/2020 3:08:54 PM



#22

Diisopropyl ether

Concen: 20.537 ug/l

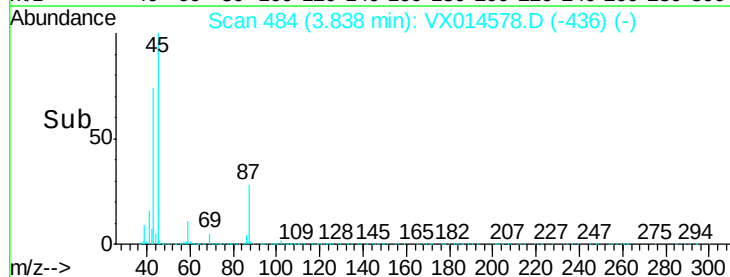
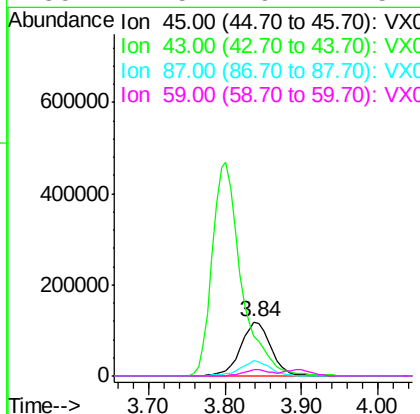
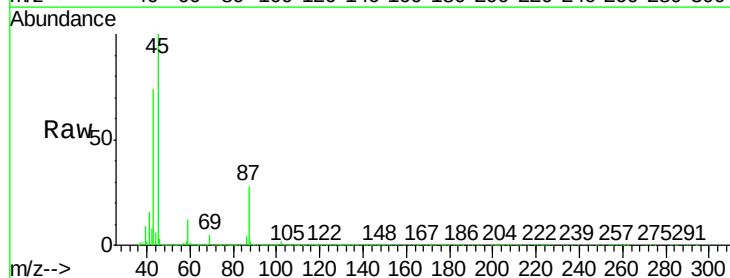
RT: 3.84 min Scan# 484

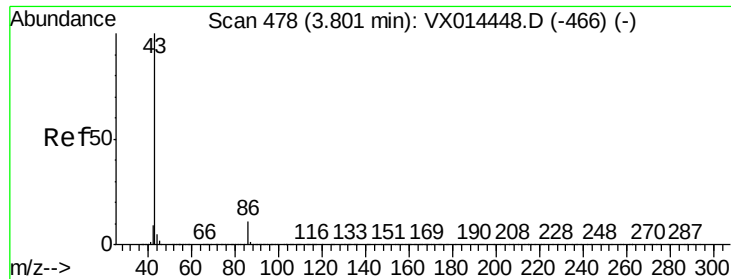
Delta R.T. -0.01 min

Lab File: VX014578.D

Acq: 13 Jan 2020 11:47

Tgt Ion:	45	Resp:	321573
Ion Ratio	Lower	Upper	
45	100		
43	73.4	55.8	83.6
87	28.3	21.8	32.8
59	11.5	9.1	13.7





#23

Vinyl Acetate

Concen: 102.338 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX014578.D

Acq: 13 Jan 2020 11:47

Instrument :

MSVOA_X

ClientSampleId :

VX0113WBS01

Tot Ion: 43 Resp: 1240617

Ion Ratio Lower Upper

43 100

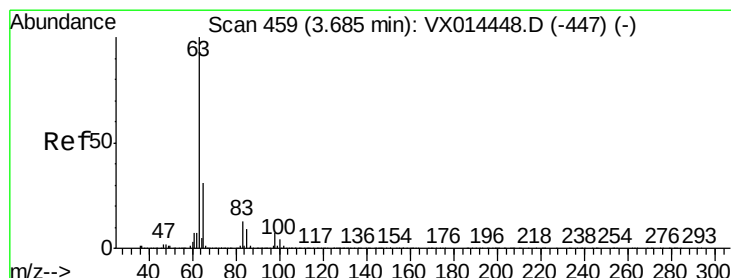
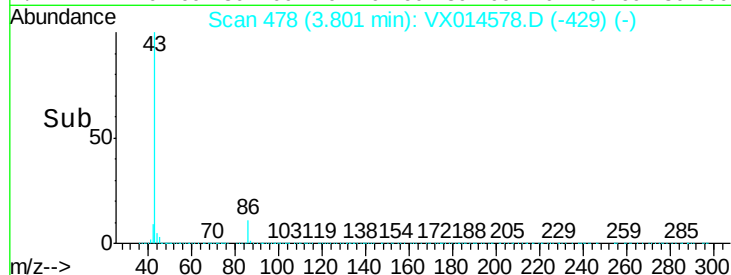
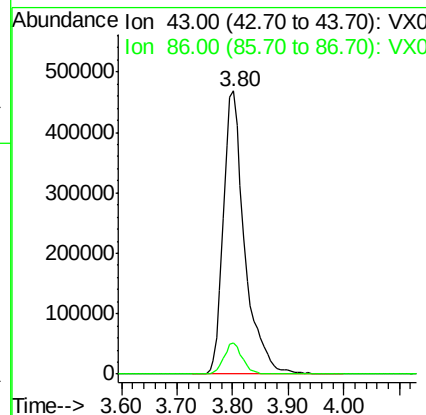
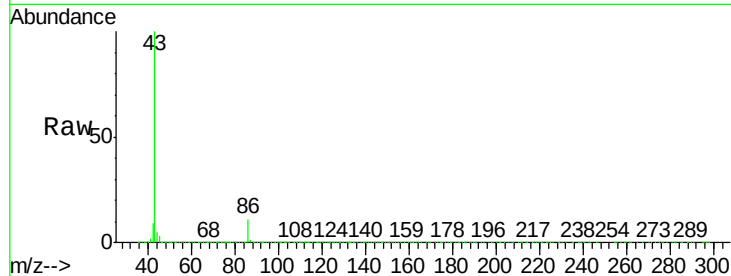
86 10.9 8.4 12.6

Manual Integrations

APPROVED

MMDadoda

1/14/2020 3:08:54 PM



#24

1,1-Dichloroethane

Concen: 20.278 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX014578.D

Acq: 13 Jan 2020 11:47

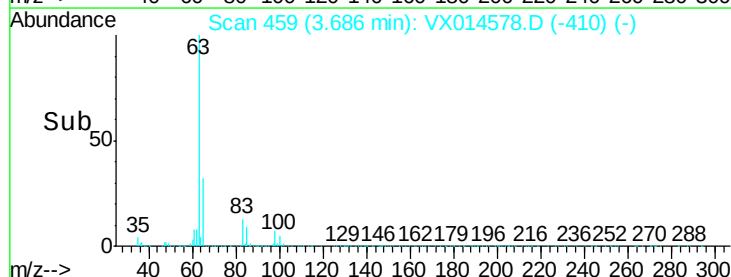
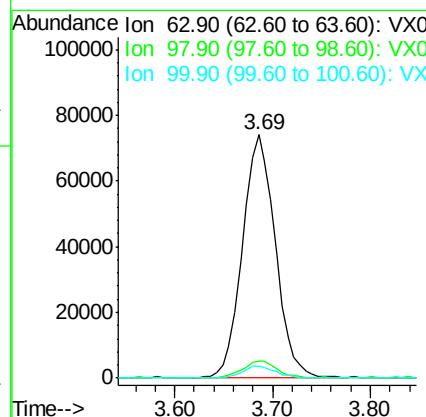
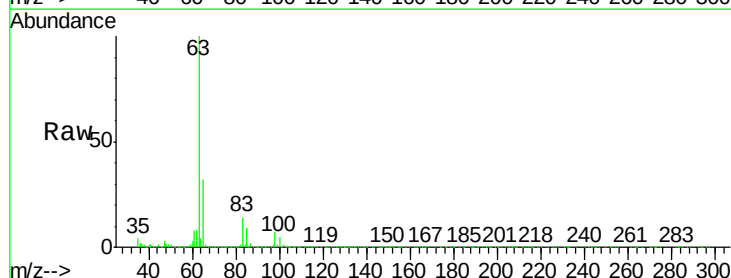
Tgt Ion: 63 Resp: 172729

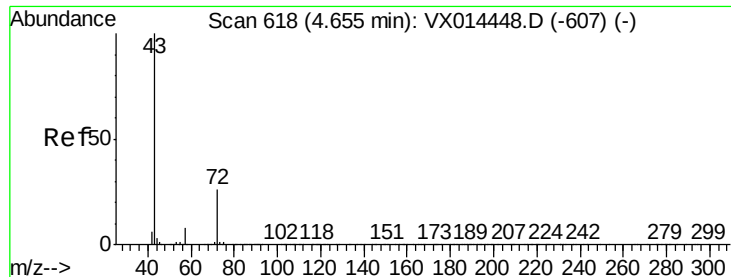
Ion Ratio Lower Upper

63 100

98 6.7 3.6 10.9

100 4.5 2.3 6.8





#25

2-Butanone

Concen: 97.956 ug/l

RT: 4.65 min Scan# 617

Delta R.T. -0.01 min

Lab File: VX014578.D

Acq: 13 Jan 2020 11:47

Instrument :

MSVOA_X

ClientSampleId :

VX0113WBS01

Tot Ion: 43 Resp: 381675

Ion Ratio Lower Upper

43 100

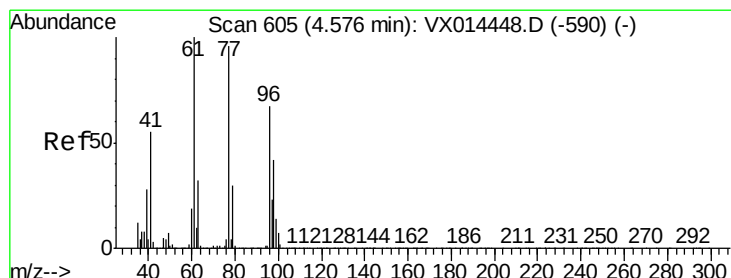
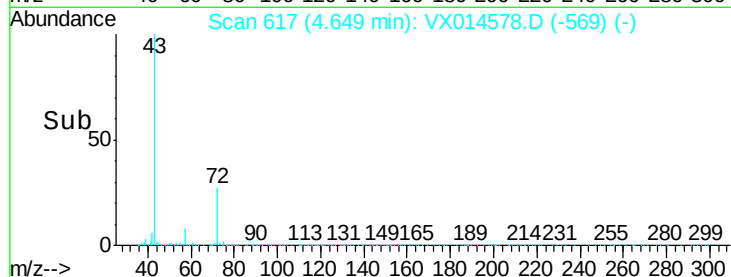
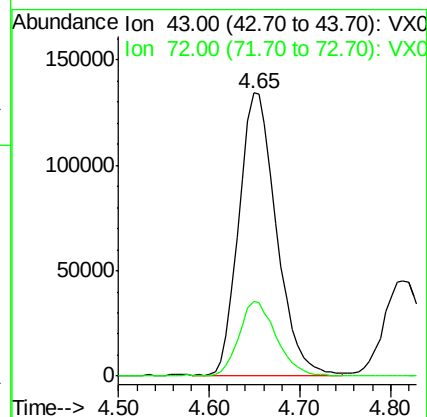
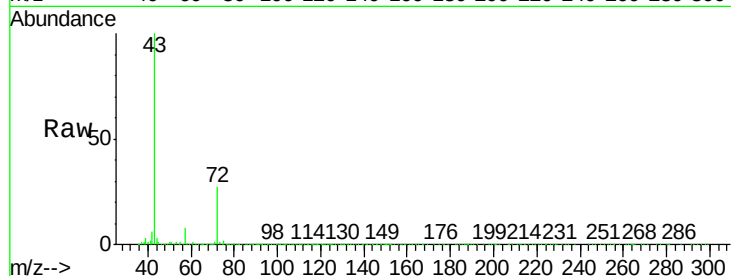
72 26.4 20.6 31.0

Manual Integrations

APPROVED

MMDadoda

1/14/2020 3:08:54 PM



#26

2,2-Dichloropropane

Concen: 19.042 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.01 min

Lab File: VX014578.D

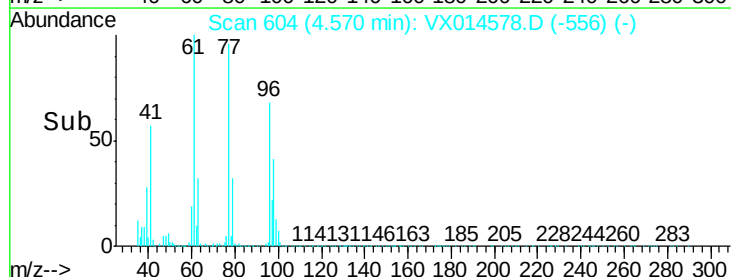
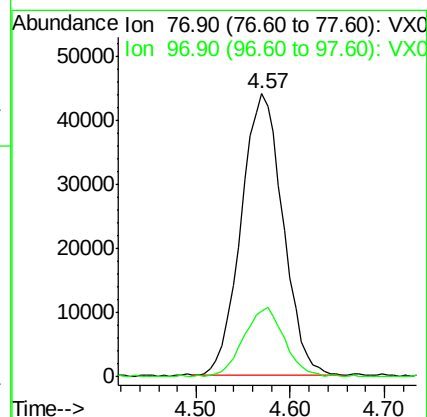
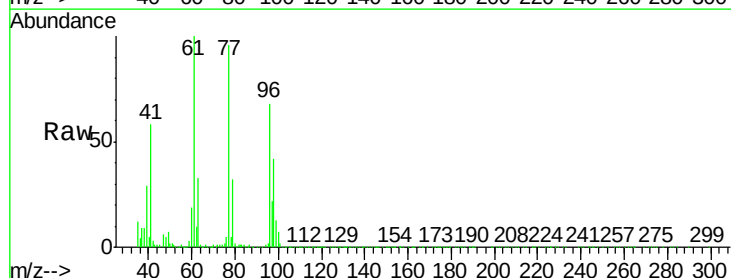
Acq: 13 Jan 2020 11:47

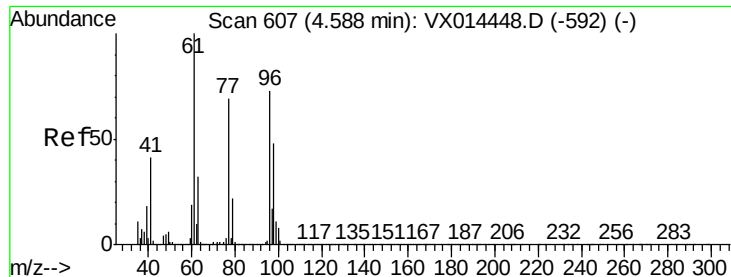
Tgt Ion: 77 Resp: 137402

Ion Ratio Lower Upper

77 100

97 23.7 11.7 35.1





#27

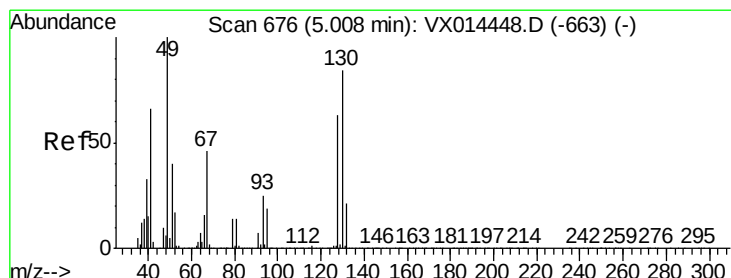
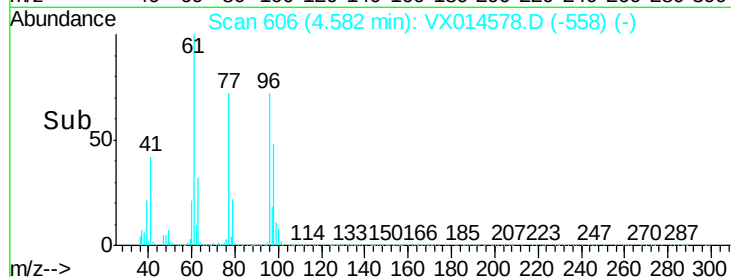
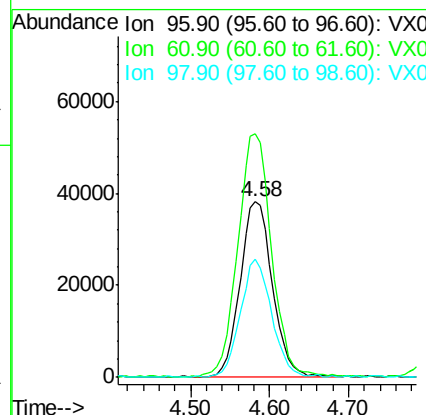
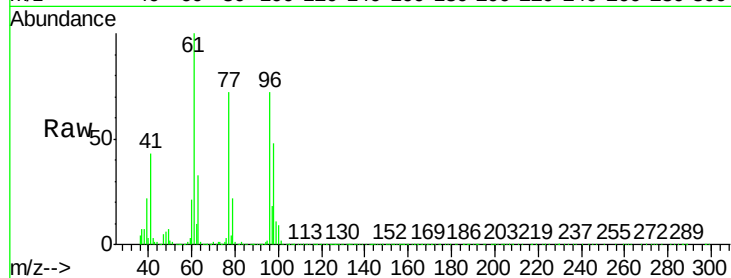
cis-1,2-Dichloroethene
Concen: 19.269 ug/l
RT: 4.58 min Scan# 606
Delta R.T. -0.01 min
Lab File: VX014578.D
Acq: 13 Jan 2020 11:47

Instrument :
MSVOA_X
ClientSampleId :
VX0113WBS01

Tot Ion	Ratio	Resp Lower	Upper
96	100		
61	146.2	0.0	285.4
98	64.6	0.0	130.6

Manual Integrations
APPROVED

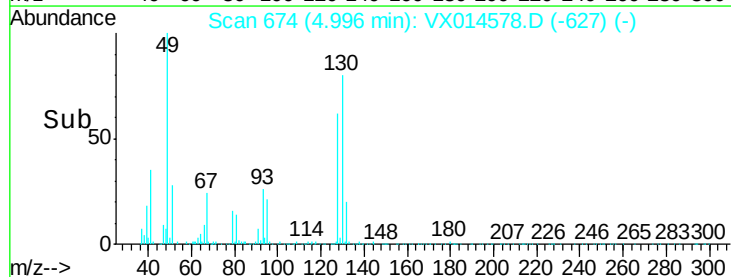
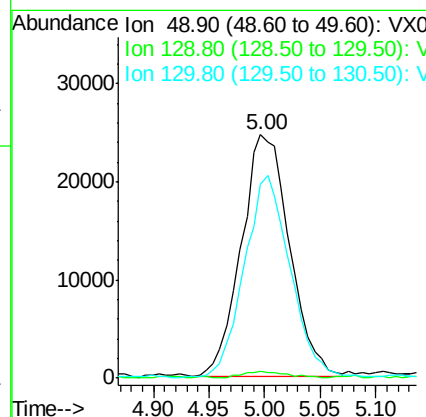
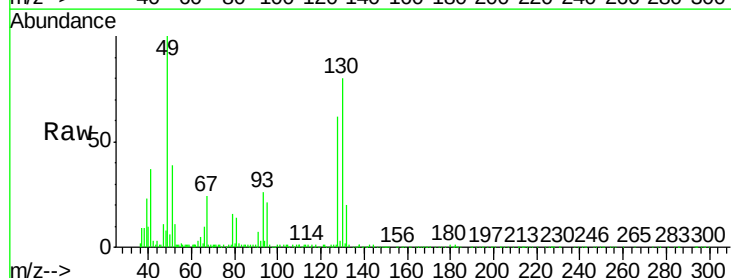
MMDadoda
1/14/2020 3:08:54 PM

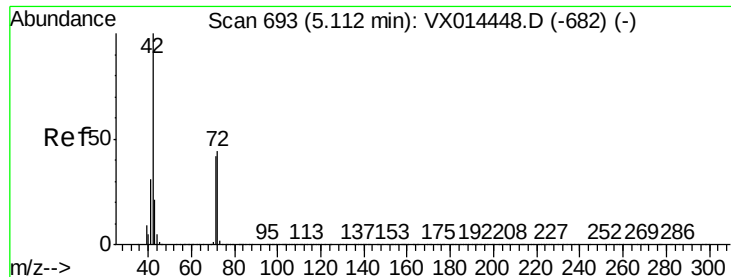


#28

Bromochloromethane
Concen: 20.782 ug/l
RT: 5.00 min Scan# 674
Delta R.T. -0.01 min
Lab File: VX014578.D
Acq: 13 Jan 2020 11:47

Tgt Ion	Ratio	Resp Lower	Upper
49	100		
129	2.6	0.0	4.4
130	80.1	67.0	100.4





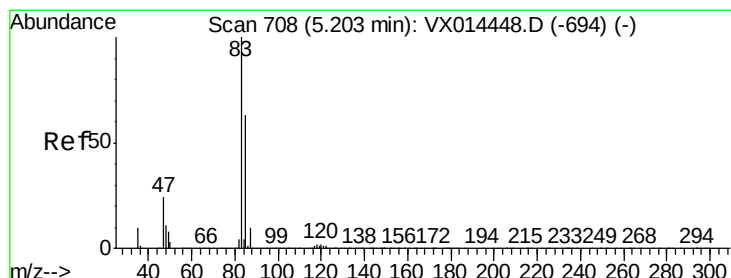
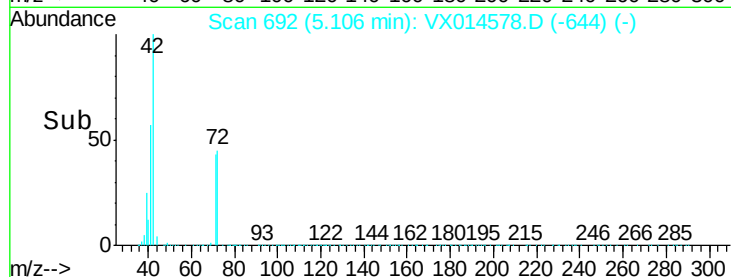
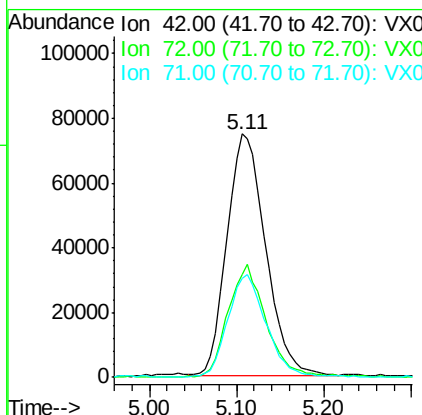
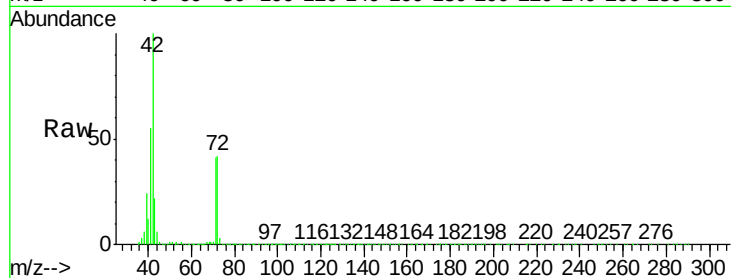
#29
Tetrahydrofuran
Concen: 99.214 ug/l
RT: 5.11 min Scan# 692
Delta R.T. -0.01 min
Lab File: VX014578.D
Acq: 13 Jan 2020 11:47

Instrument :
MSVOA_X
ClientSampleId :
VX0113WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.6	36.2	54.4
71	42.0	34.1	51.1

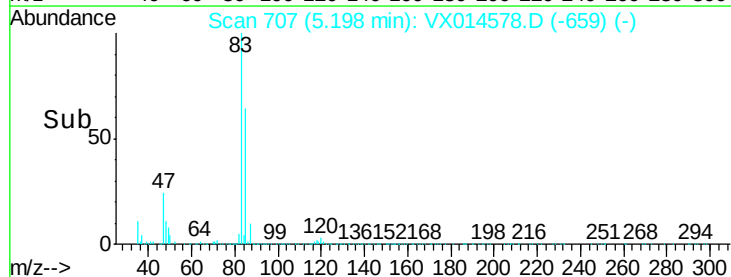
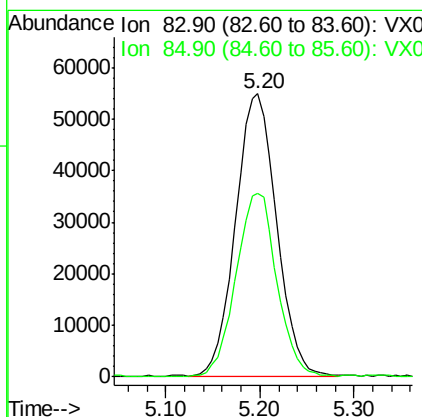
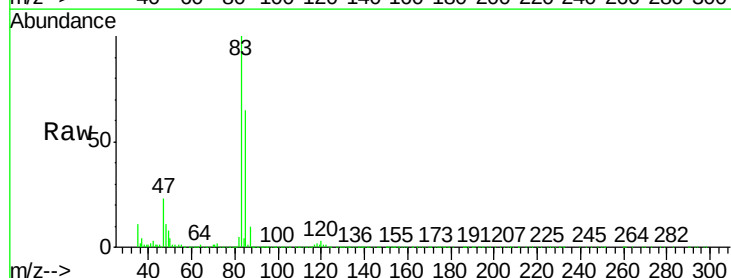
Manual Integrations
APPROVED

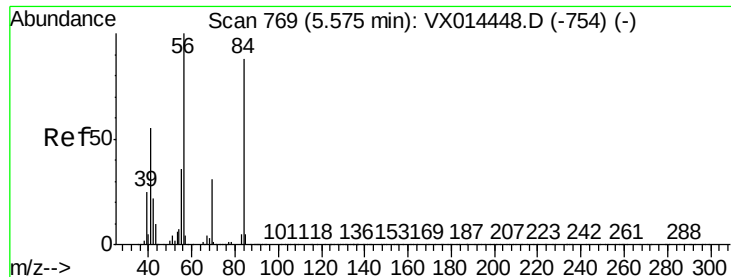
MMDadoda
1/14/2020 3:08:54 PM



#30
Chloroform
Concen: 19.936 ug/l
RT: 5.20 min Scan# 707
Delta R.T. -0.01 min
Lab File: VX014578.D
Acq: 13 Jan 2020 11:47

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	50.6	75.8





#31

Cyclohexane

Concen: 20.159 ug/l

RT: 5.56 min Scan# 767

Delta R.T. -0.01 min

Lab File: VX014578.D

Acq: 13 Jan 2020 11:47

Instrument :

MSVOA_X

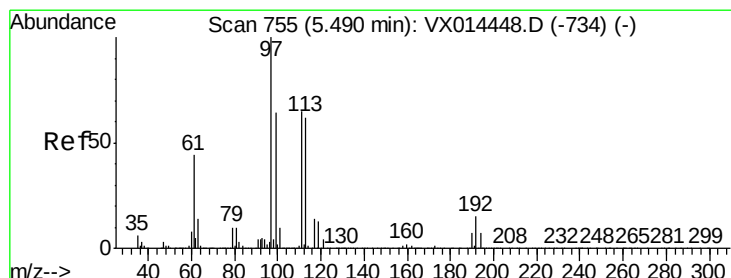
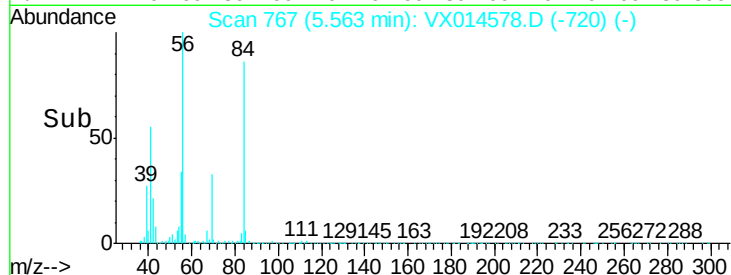
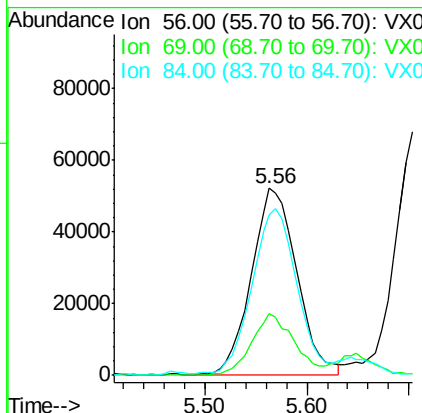
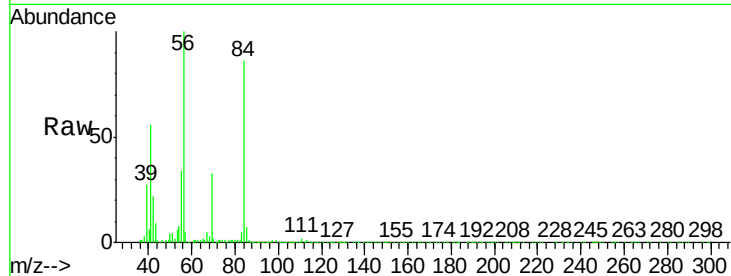
ClientSampleId :

VX0113WBS01

Tot Ion	56	Resp	160723
Ion Ratio	Lower	Upper	
56	100		
69	32.8	24.4	36.6
84	85.1	70.6	106.0

Manual Integrations
APPROVED

MMDadoda
1/14/2020 3:08:54 PM



#32

1,1,1-Trichloroethane

Concen: 19.855 ug/l

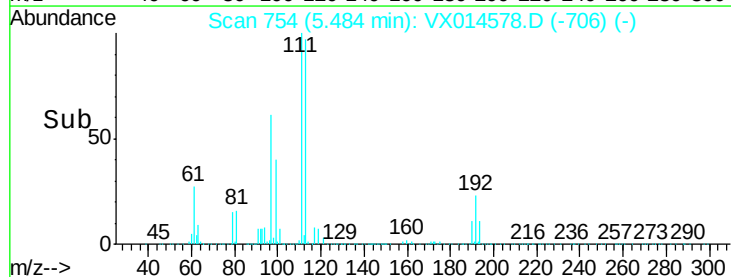
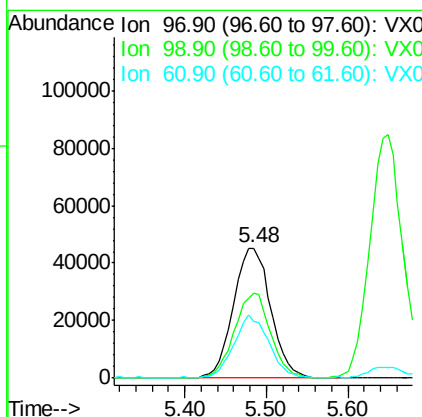
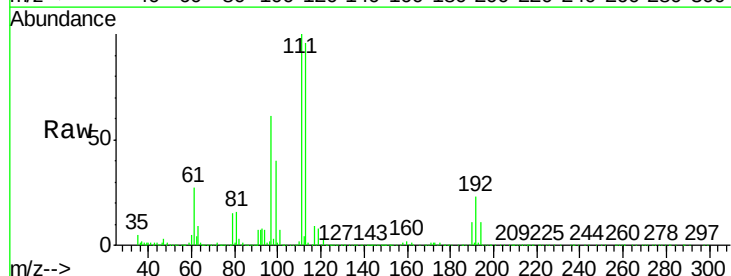
RT: 5.48 min Scan# 754

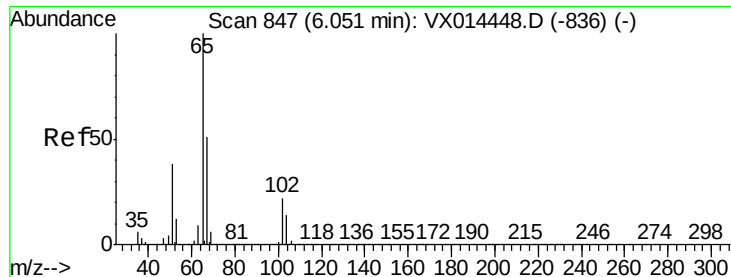
Delta R.T. -0.01 min

Lab File: VX014578.D

Acq: 13 Jan 2020 11:47

Tgt Ion	97	Resp	141463
Ion Ratio	Lower	Upper	
97	100		
99	63.5	51.8	77.6
61	45.1	35.9	53.9





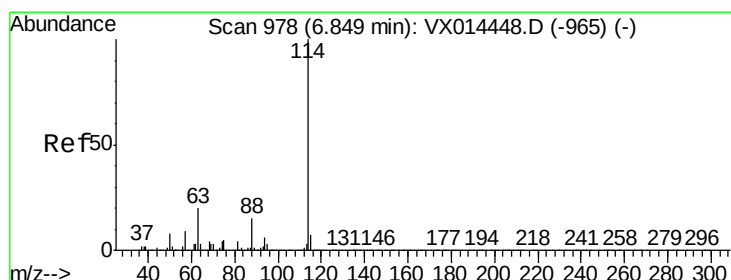
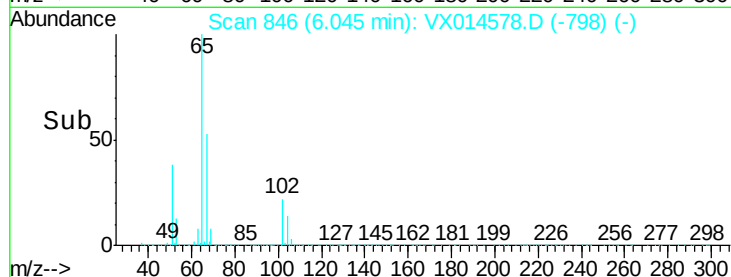
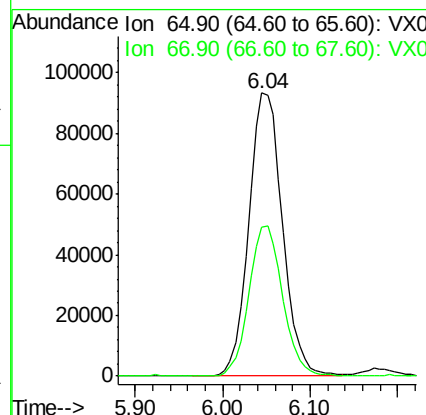
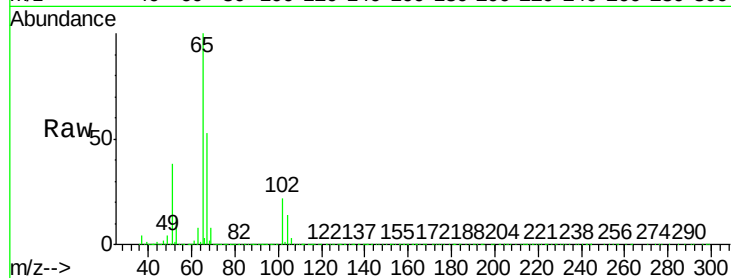
#33
 1,2-Dichloroethane-d4
 Concen: 47.755 ug/l
 RT: 6.04 min Scan# 846
 Delta R.T. -0.01 min
 Lab File: VX014578.D
 Acq: 13 Jan 2020 11:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0113WBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.7	0.0	106.2

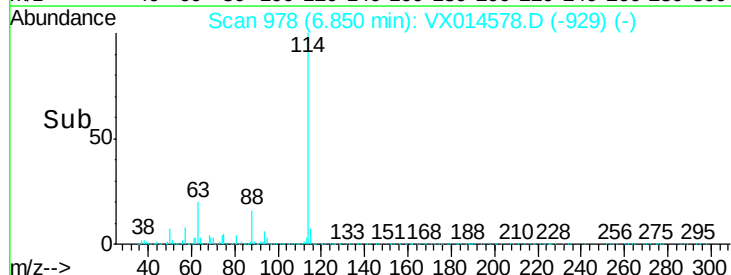
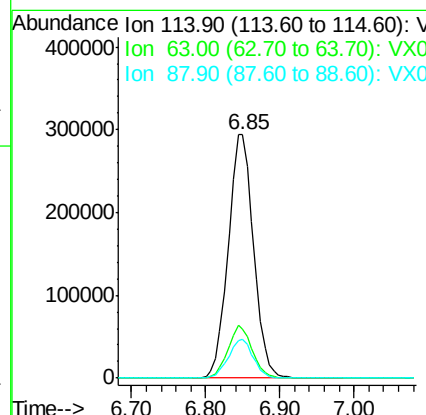
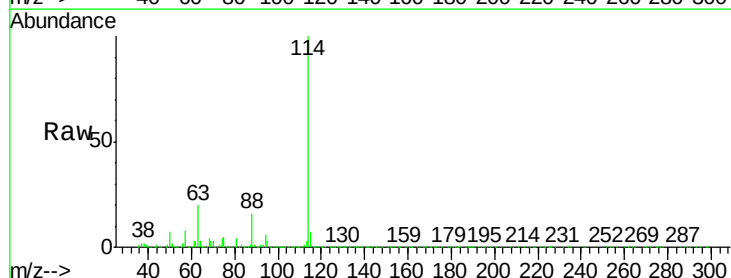
Manual Integrations
 APPROVED

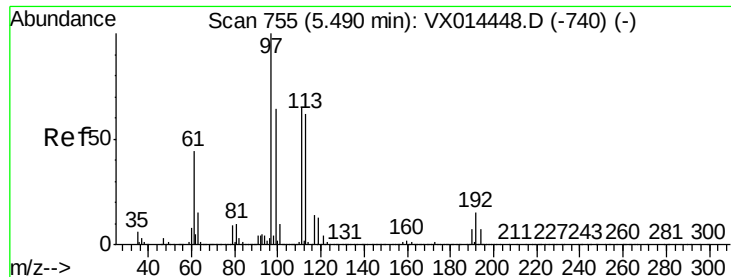
MMDadoda
 1/14/2020 3:08:54 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX014578.D
 Acq: 13 Jan 2020 11:47

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	39.6
88	15.7	0.0	30.8





#35

Dibromofluoromethane

Concen: 48.745 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX014578.D

Acq: 13 Jan 2020 11:47

Instrument :

MSVOA_X

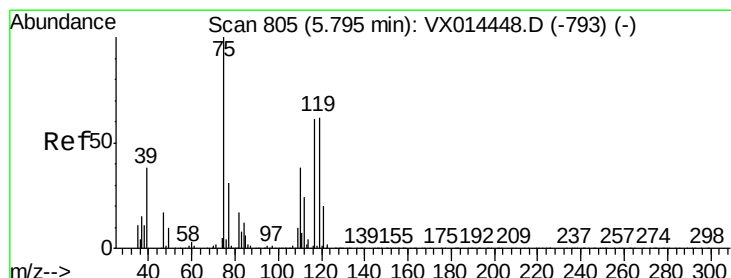
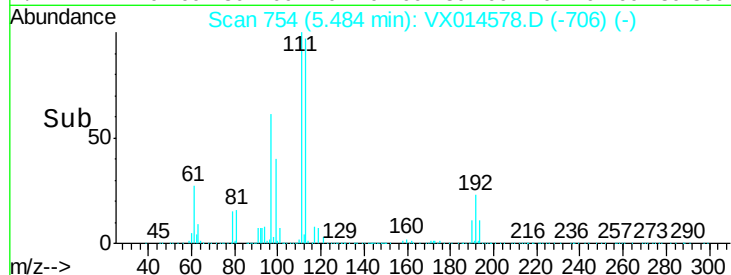
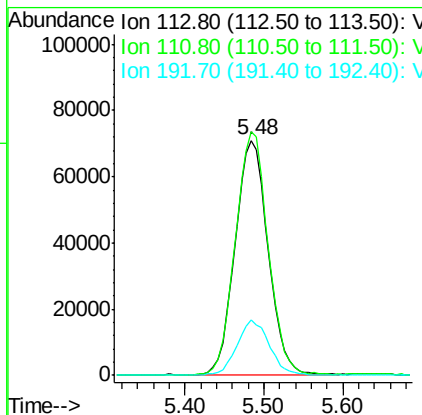
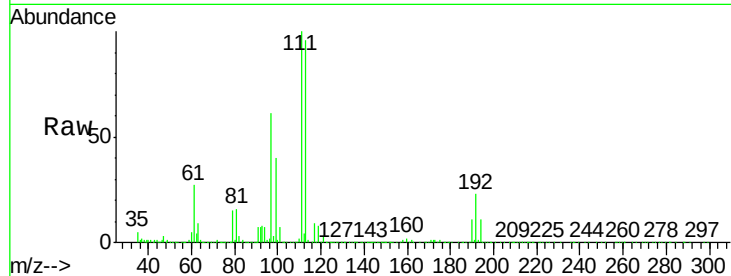
ClientSampleId :

VX0113WBS01

Tot Ion:	113	Resp:	205625
Ion Ratio	Lower	Upper	
113	100		
111	103.0	81.5	122.3
192	23.5	19.2	28.8

Manual Integrations
APPROVED

MMDadoda
1/14/2020 3:08:54 PM



#36

1,1-Dichloropropene

Concen: 19.501 ug/l

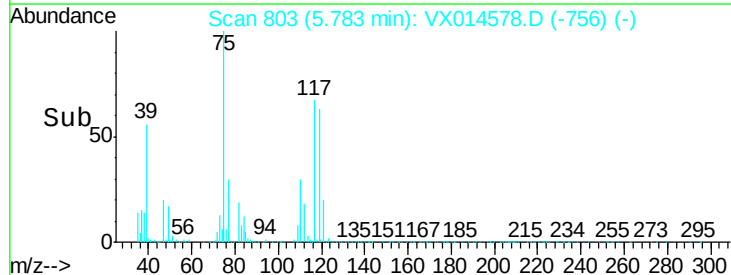
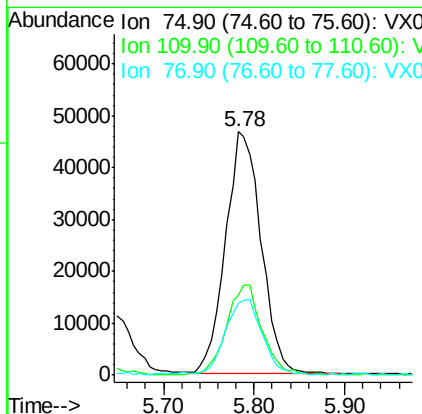
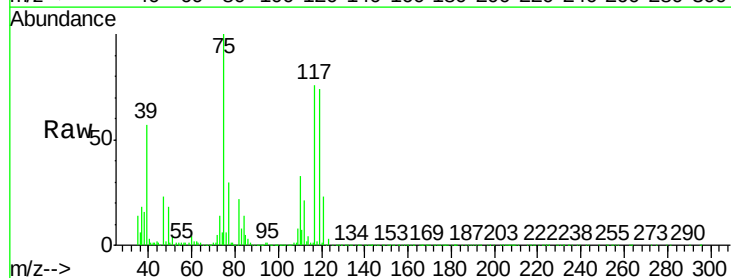
RT: 5.78 min Scan# 803

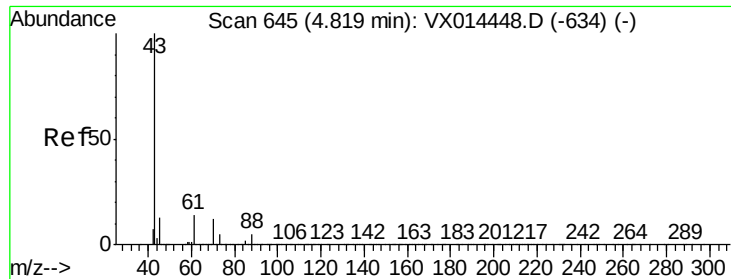
Delta R.T. -0.01 min

Lab File: VX014578.D

Acq: 13 Jan 2020 11:47

Tgt Ion:	75	Resp:	127798
Ion Ratio	Lower	Upper	
75	100		
110	36.7	18.6	55.8
77	31.2	24.5	36.7





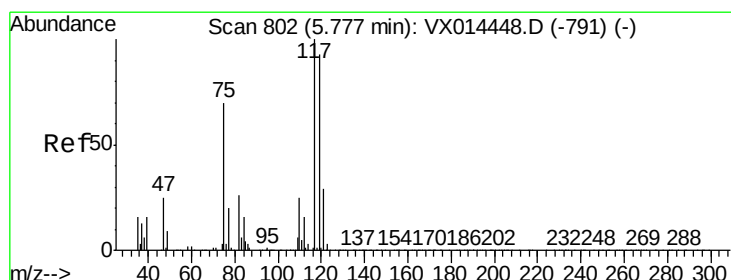
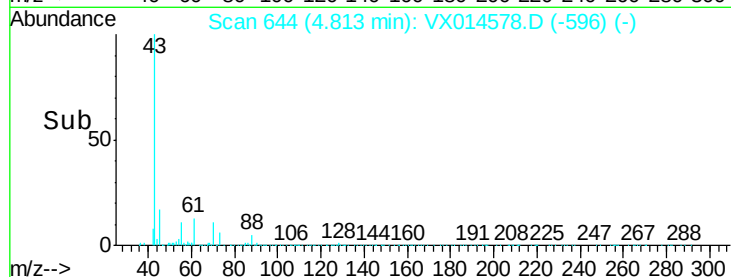
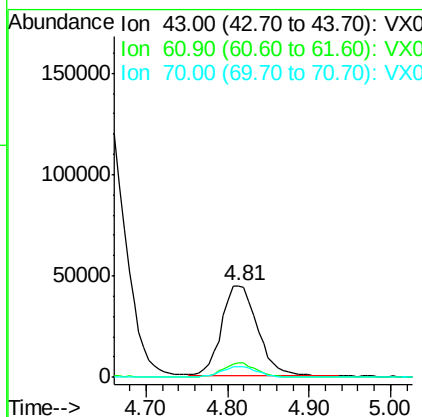
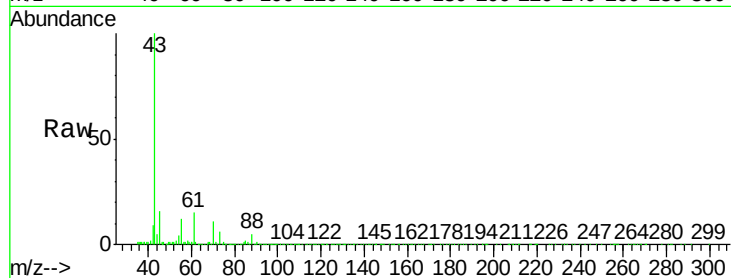
#37
Ethyl Acetate
Concen: 19.373 ug/l
RT: 4.81 min Scan# 644
Delta R.T. -0.01 min
Lab File: VX014578.D
Acq: 13 Jan 2020 11:47

Instrument :
MSVOA_X
ClientSampleId :
VX0113WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.1	16.7
70	11.3	8.9	13.3

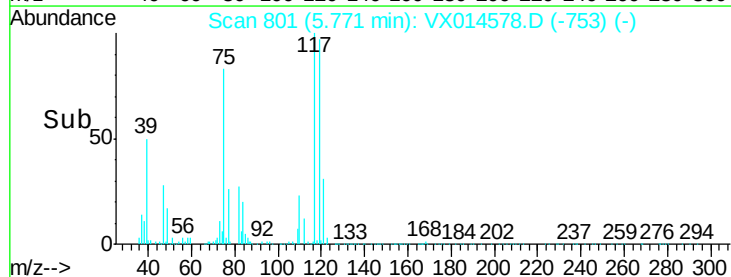
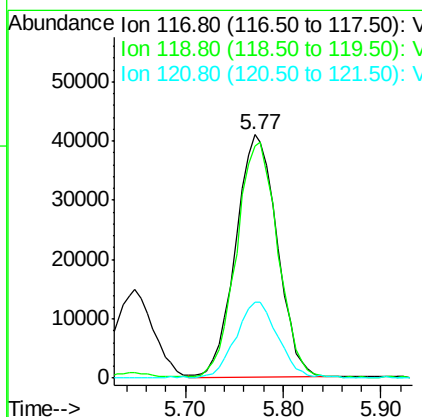
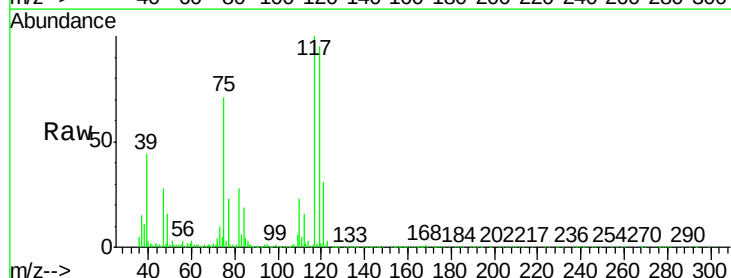
Manual Integrations
APPROVED

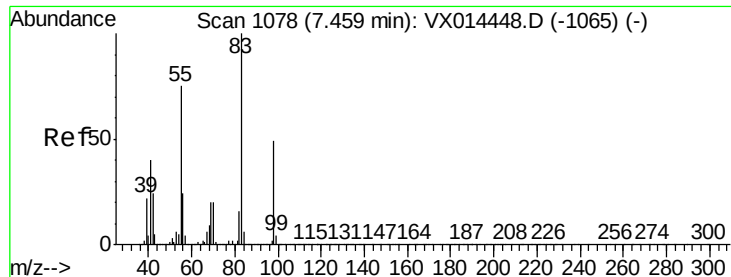
MMDadoda
1/14/2020 3:08:54 PM



#38
Carbon Tetrachloride
Concen: 19.916 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.01 min
Lab File: VX014578.D
Acq: 13 Jan 2020 11:47

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.2	73.8	110.8
121	31.0	23.4	35.0





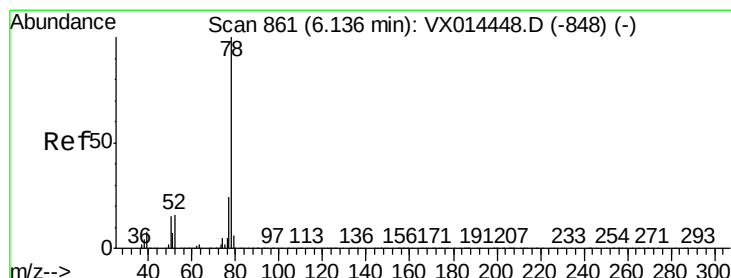
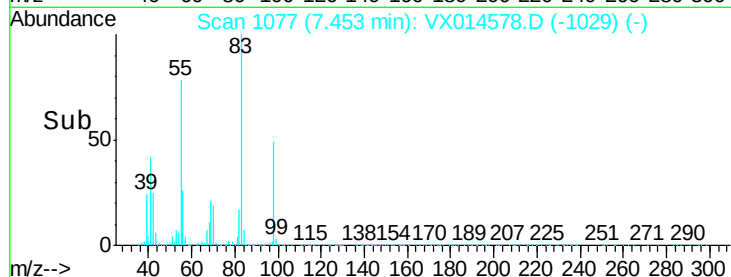
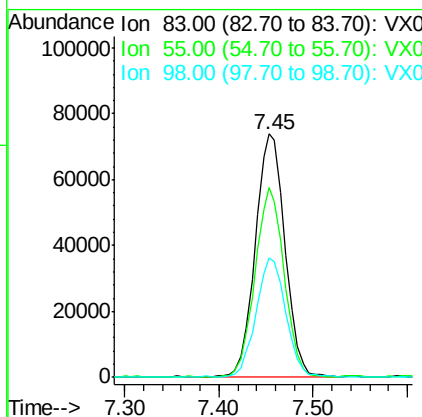
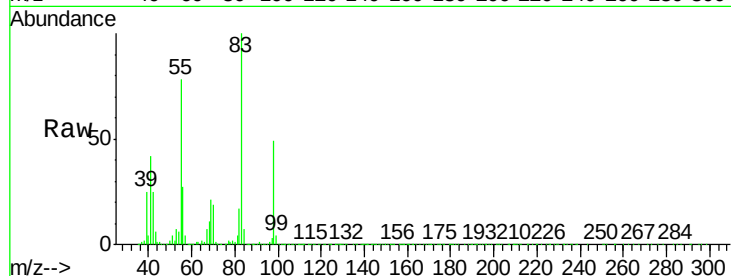
#39
Methylvlcyclohexane
Concen: 19.934 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.01 min
Lab File: VX014578.D
Acq: 13 Jan 2020 11:47

Instrument :
MSVOA_X
ClientSampleId :
VX0113WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.9	59.7	89.5
98	49.0	39.1	58.7

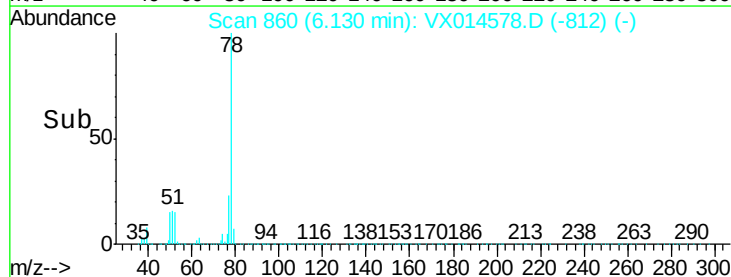
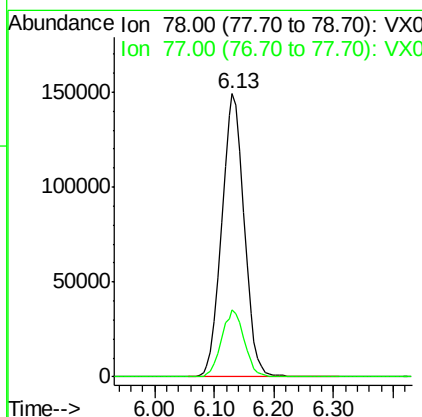
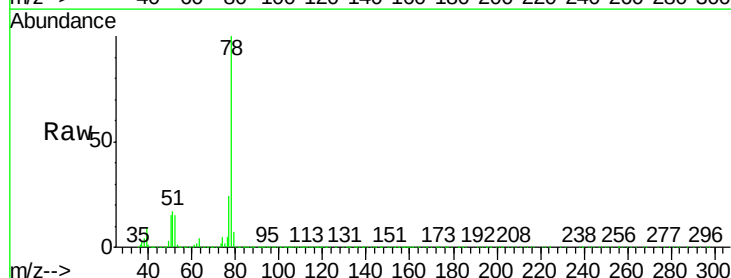
Manual Integrations
APPROVED

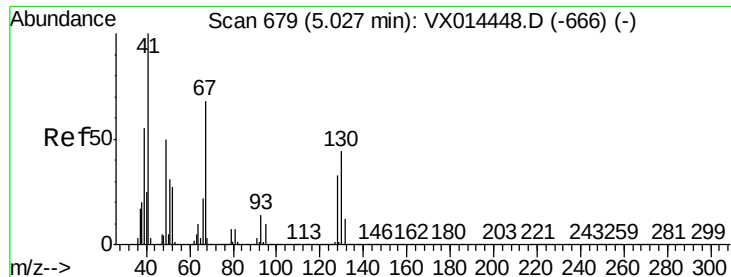
MMDadoda
1/14/2020 3:08:54 PM



#40
Benzene
Concen: 20.013 ug/l
RT: 6.13 min Scan# 860
Delta R.T. -0.01 min
Lab File: VX014578.D
Acq: 13 Jan 2020 11:47

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.5	29.3





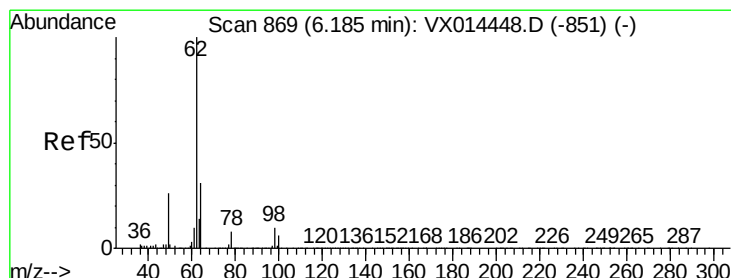
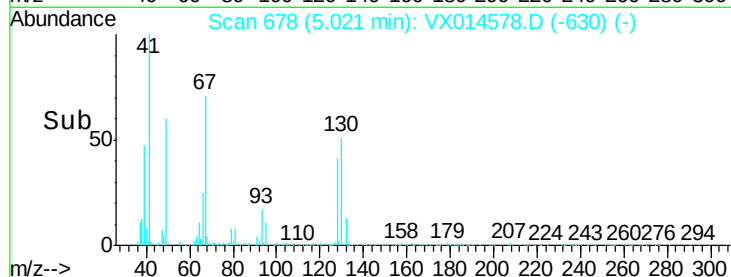
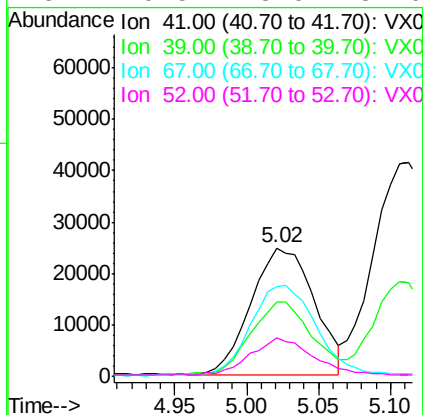
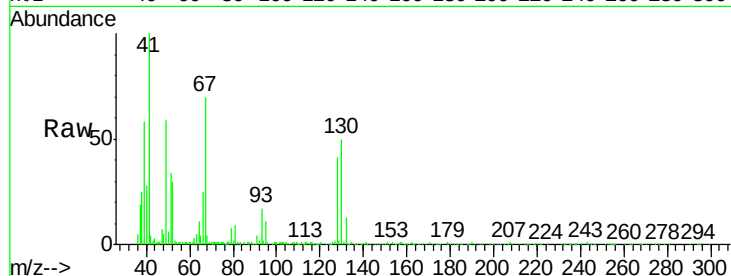
#41
Methacrylonitrile
Concen: 19.888 ug/l
RT: 5.02 min Scan# 678
Delta R.T. -0.01 min
Lab File: VX014578.D
Acq: 13 Jan 2020 11:47

Instrument :
MSVOA_X
ClientSampleId :
VX0113WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.8	43.6	65.4	
67	73.5	57.9	86.9	
52	29.5	23.0	34.6	

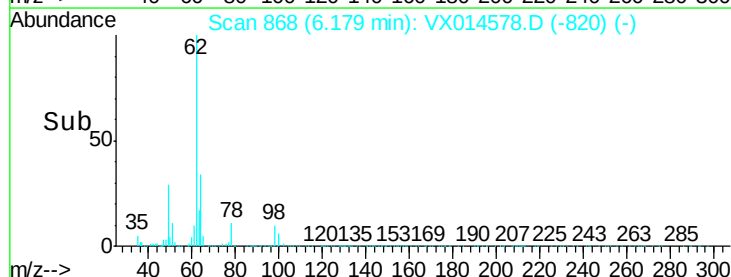
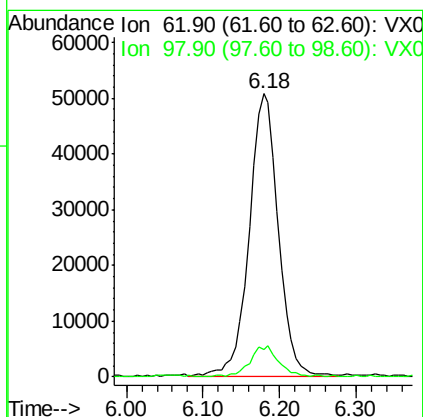
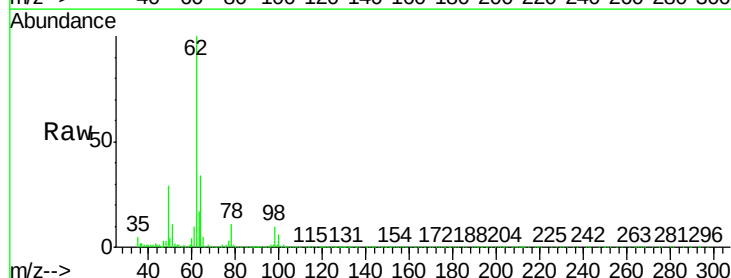
Manual Integrations
APPROVED

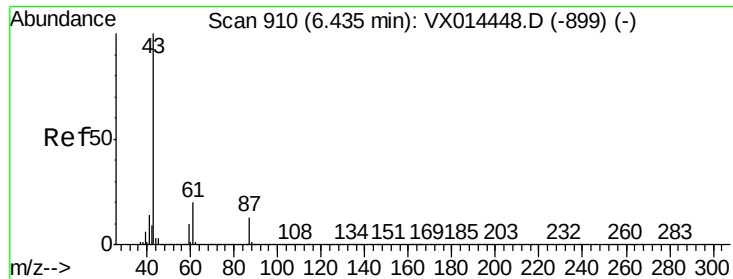
MMDadoda
1/14/2020 3:08:54 PM



#42
1,2-Dichloroethane
Concen: 19.627 ug/l
RT: 6.18 min Scan# 868
Delta R.T. -0.01 min
Lab File: VX014578.D
Acq: 13 Jan 2020 11:47

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





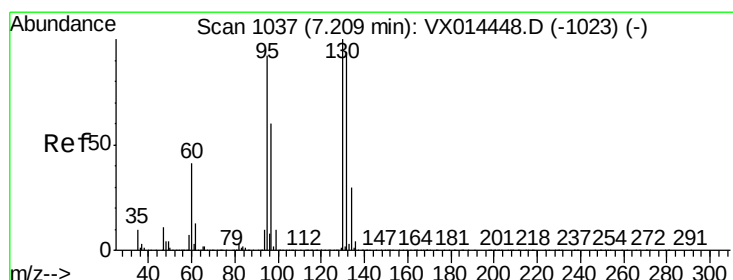
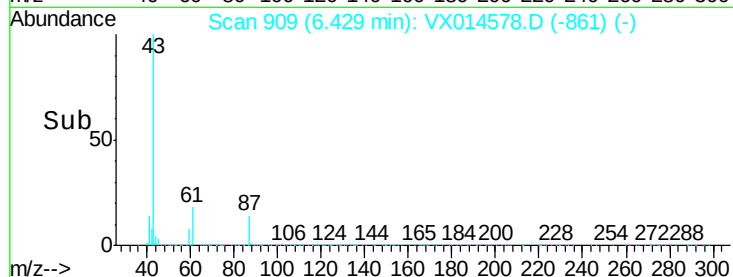
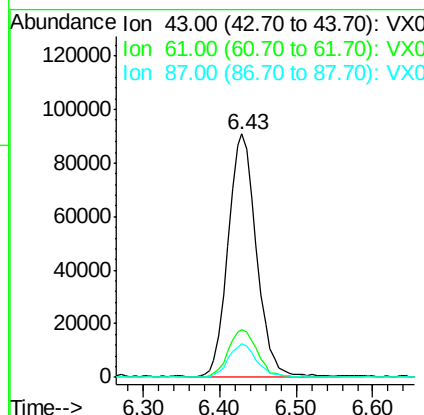
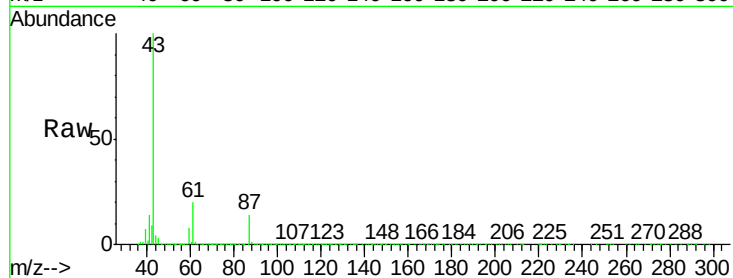
#43
Isopropyl Acetate
Concen: 20.007 ug/l
RT: 6.43 min Scan# 909
Delta R.T. -0.01 min
Lab File: VX014578.D
Acq: 13 Jan 2020 11:47

Instrument :
MSVOA_X
ClientSampleId :
VX0113WBS01

Tot Ion	43	Resp	230059
Ion Ratio	Lower	Upper	
43	100		
61	19.8	16.6	24.8
87	13.5	10.8	16.2

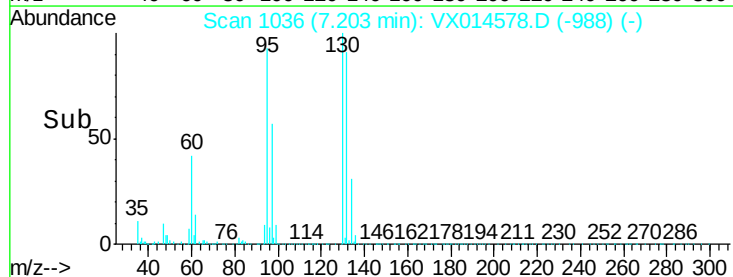
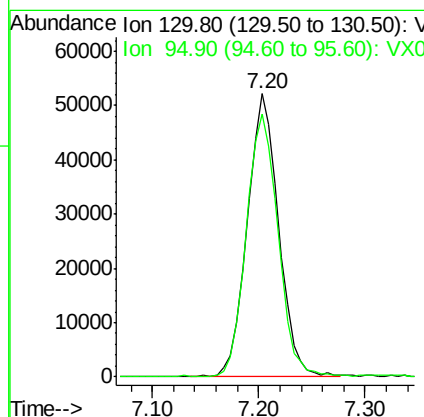
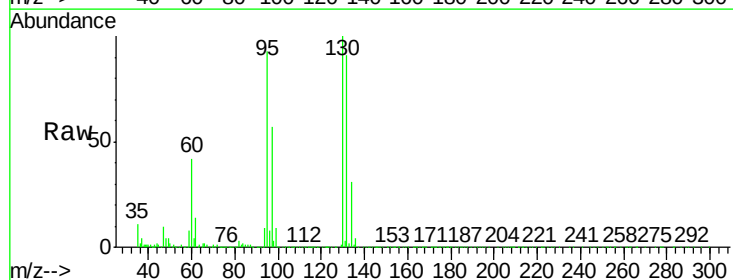
Manual Integrations
APPROVED

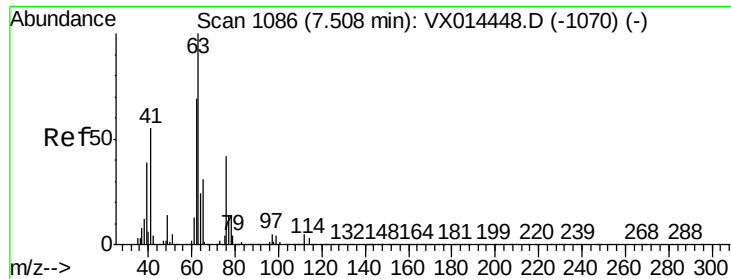
MMDadoda
1/14/2020 3:08:54 PM



#44
Trichloroethene
Concen: 19.353 ug/l
RT: 7.20 min Scan# 1036
Delta R.T. -0.01 min
Lab File: VX014578.D
Acq: 13 Jan 2020 11:47

Tgt Ion	130	Resp	108175
Ion Ratio	Lower	Upper	
130	100		
95	92.5	0.0	184.2





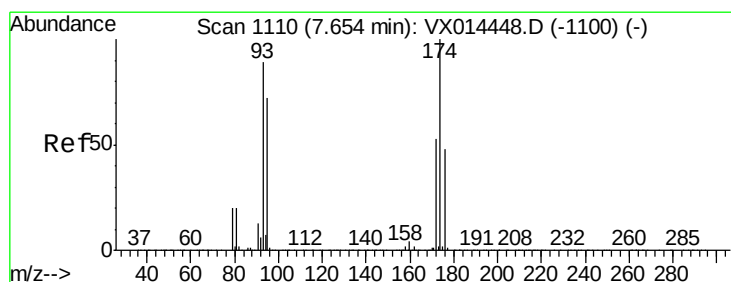
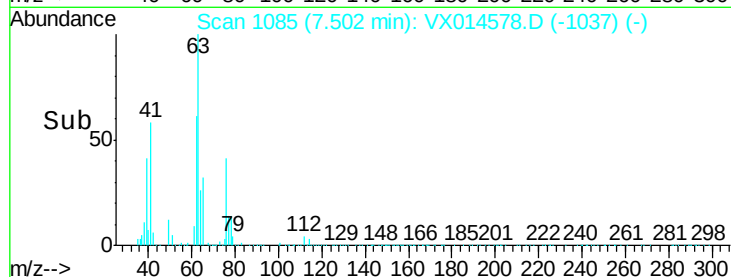
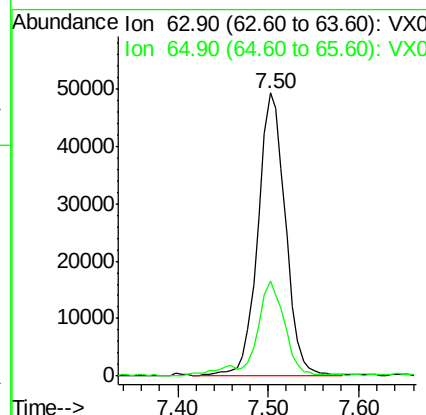
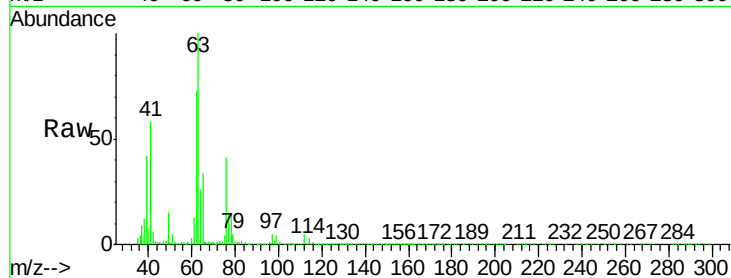
#45
 1,2-Dichloropropane
 Concen: 20.599 ug/l
 RT: 7.50 min Scan# 1085
 Delta R.T. -0.01 min
 Lab File: VX014578.D
 Acq: 13 Jan 2020 11:47

Instrument :
 MSVOA_X
 ClientSampled :
 VX0113WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	33.1	24.8	37.2

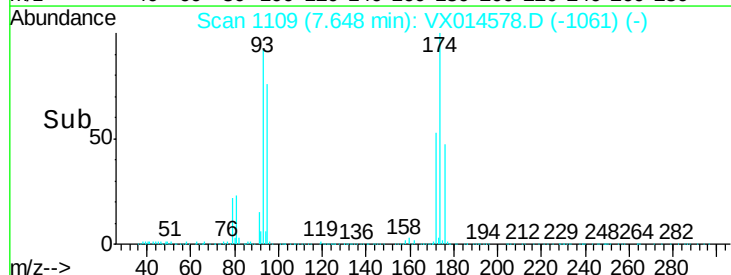
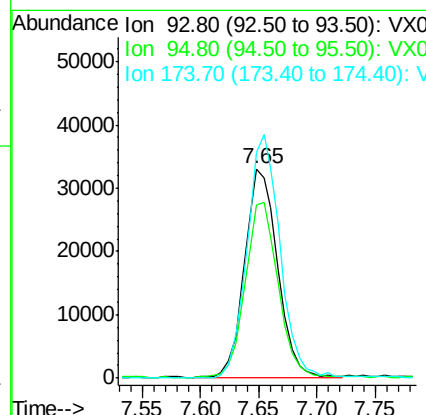
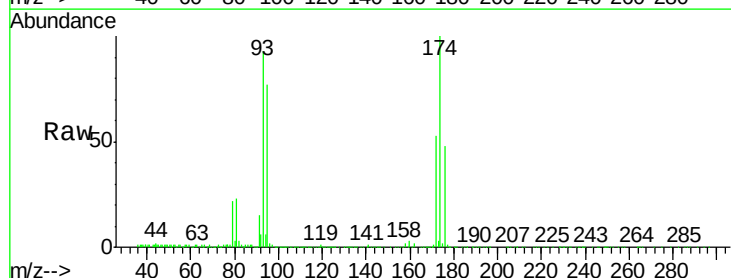
Manual Integrations
 APPROVED

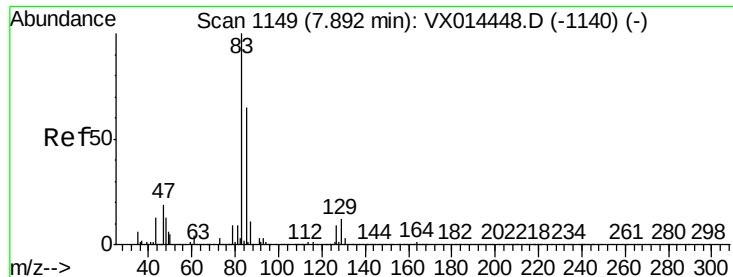
MMDadoda
 1/14/2020 3:08:54 PM



#46
 Dibromomethane
 Concen: 18.707 ug/l
 RT: 7.65 min Scan# 1109
 Delta R.T. -0.01 min
 Lab File: VX014578.D
 Acq: 13 Jan 2020 11:47

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.5	65.4	98.2
174	116.7	93.0	139.4





#47

Bromodichloromethane

Concen: 20.195 ug/l

RT: 7.89 min Scan# 1148

Delta R.T. -0.01 min

Lab File: VX014578.D

Acq: 13 Jan 2020 11:47

Instrument :

MSVOA_X

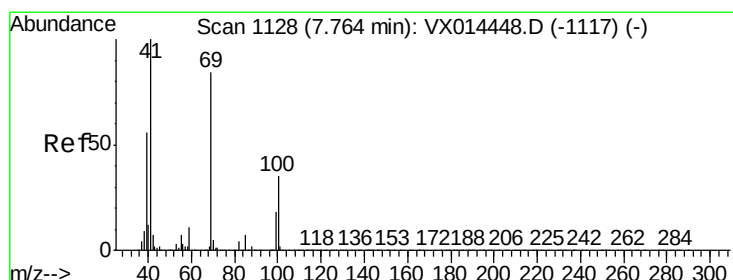
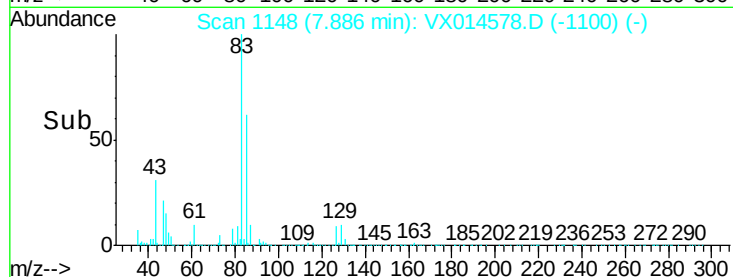
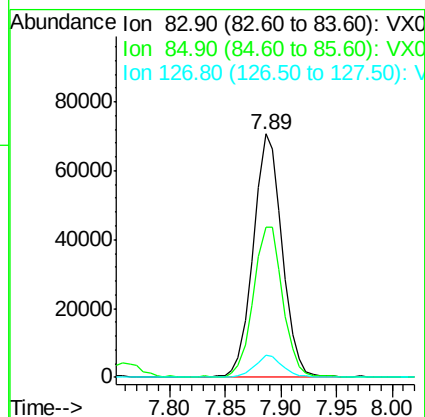
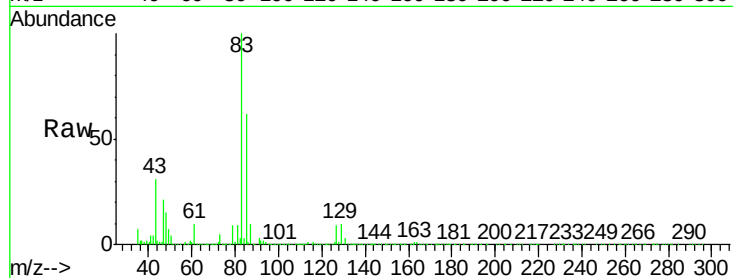
ClientSampleId :

VX0113WBS01

Tot Ion:	83	Resp:	127183
Ion Ratio	Lower	Upper	
83	100		
85	61.8	51.7	77.5
127	9.0	7.1	10.7

Manual Integrations
APPROVED

MMDadoda
1/14/2020 3:08:54 PM



#48

Methyl methacrylate

Concen: 20.315 ug/l

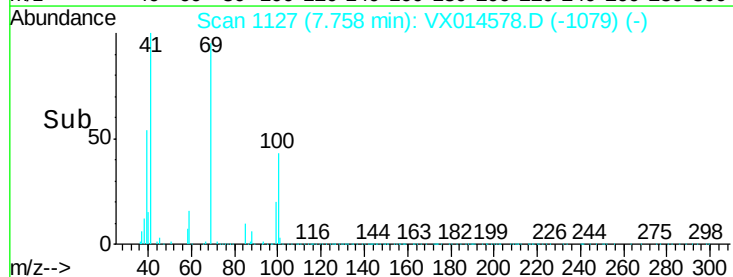
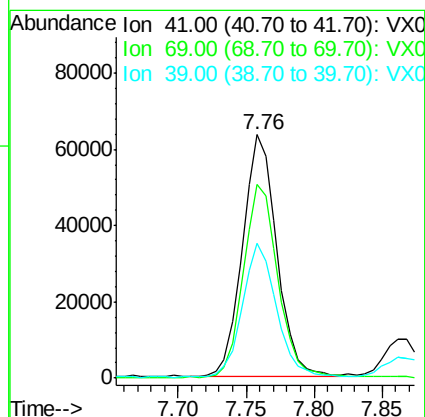
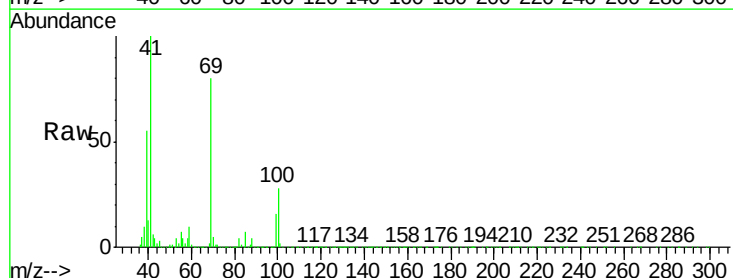
RT: 7.76 min Scan# 1127

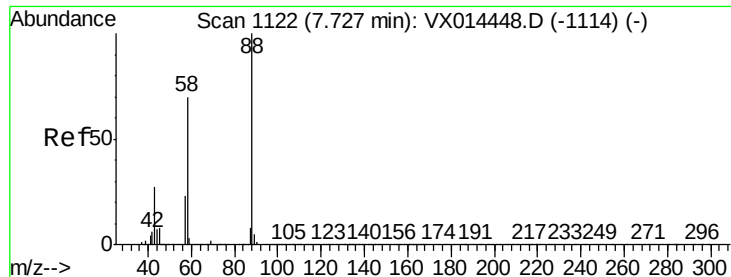
Delta R.T. -0.01 min

Lab File: VX014578.D

Acq: 13 Jan 2020 11:47

Tgt Ion:	41	Resp:	111882
Ion Ratio	Lower	Upper	
41	100		
69	81.1	65.5	98.3
39	54.5	43.9	65.9





#49

1,4-Dioxane

Concen: 404.726 ug/l

RT: 7.73 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VX014578.D

Acq: 13 Jan 2020 11:47

Instrument :

MSVOA_X

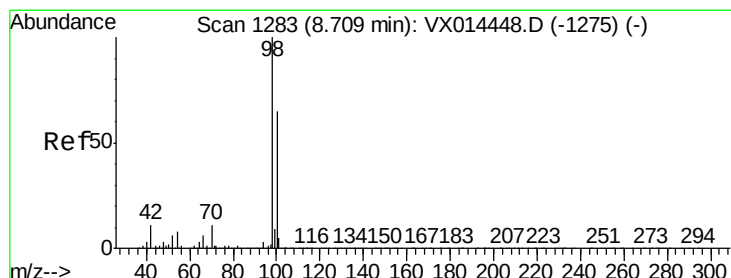
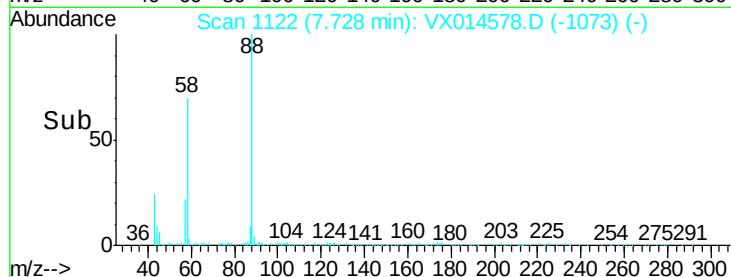
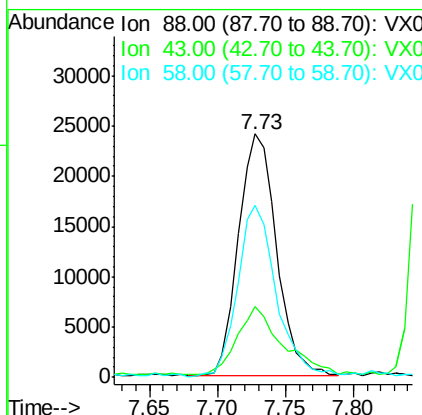
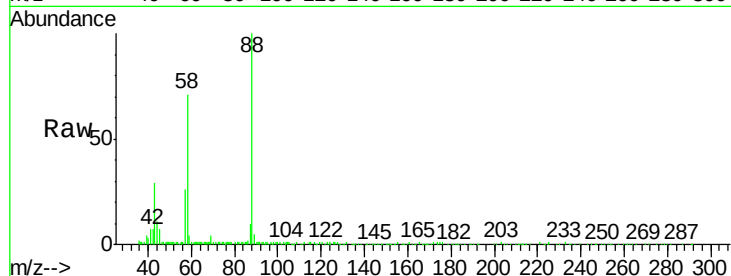
ClientSampleId :

VX0113WBS01

Tot Ion:	88	Resp:	47230
Ion	Ratio	Lower	Upper
88	100		
43	32.7	27.4	41.0
58	73.0	57.1	85.7

Manual Integrations
APPROVED

MMDadoda
1/14/2020 3:08:54 PM



#50

Toluene-d8

Concen: 49.022 ug/l

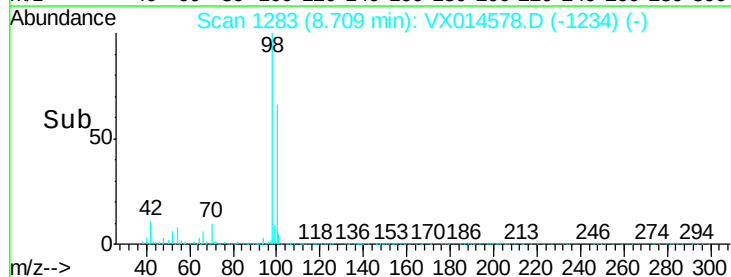
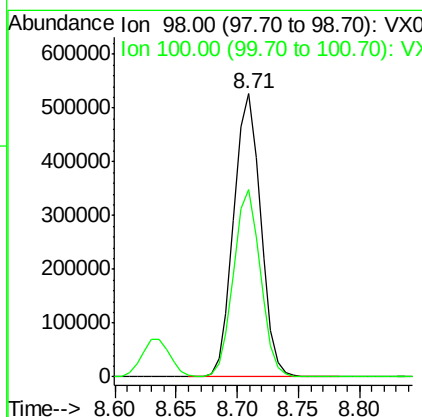
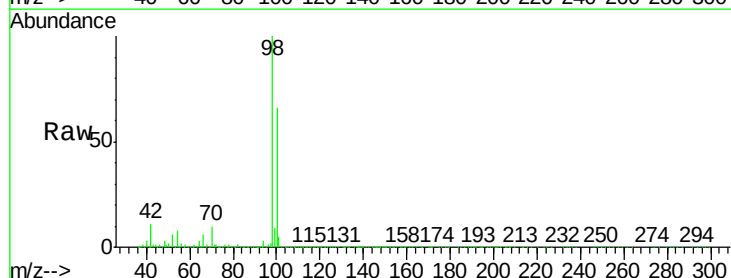
RT: 8.71 min Scan# 1283

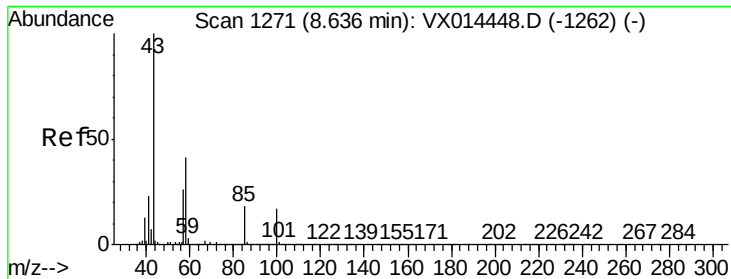
Delta R.T. 0.00 min

Lab File: VX014578.D

Acq: 13 Jan 2020 11:47

Tgt Ion:	98	Resp:	802487
Ion	Ratio	Lower	Upper
98	100		
100	65.8	53.2	79.8





#51

4-Methyl-2-Pentanone

Concen: 102.641 ug/l

RT: 8.63 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VX014578.D

Acq: 13 Jan 2020 11:47

Instrument :

MSVOA_X

ClientSampleId :

VX0113WBS01

Tot Ion: 43 Resp: 719219

Ion Ratio Lower Upper

43 100

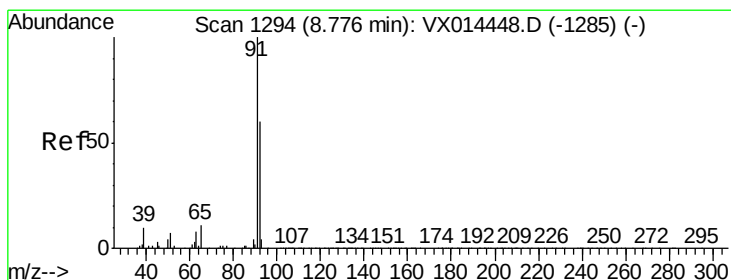
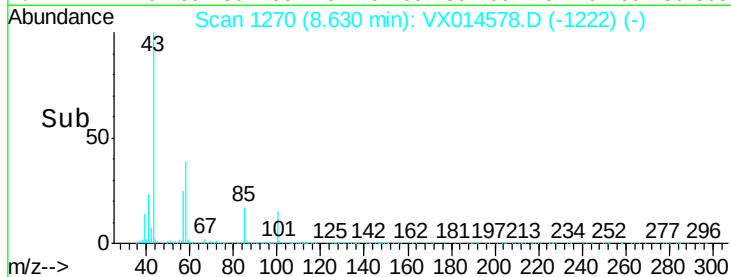
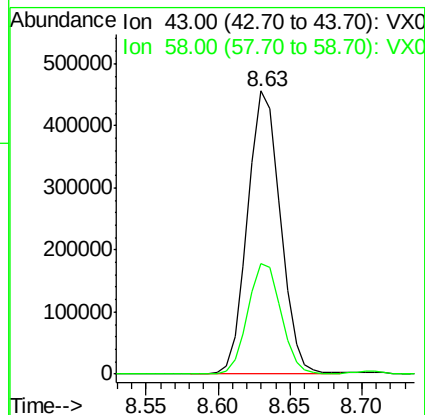
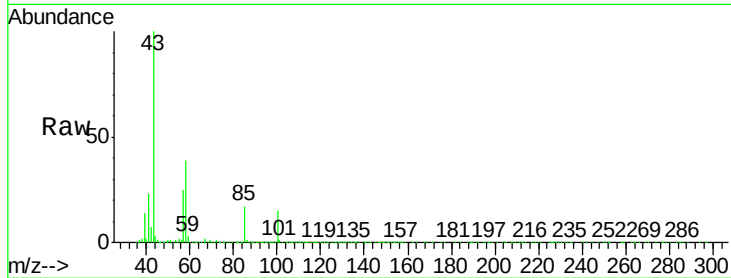
58 39.5 32.4 48.6

Manual Integrations

APPROVED

MMDadoda

1/14/2020 3:08:54 PM



#52

Toluene

Concen: 19.678 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX014578.D

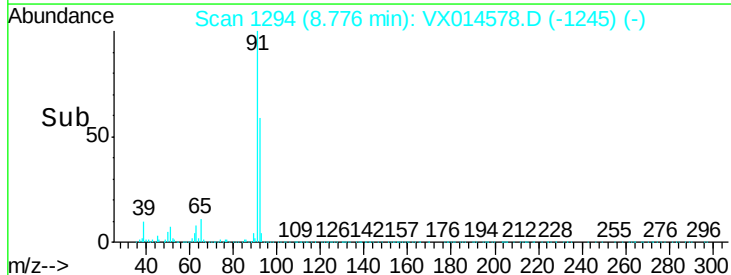
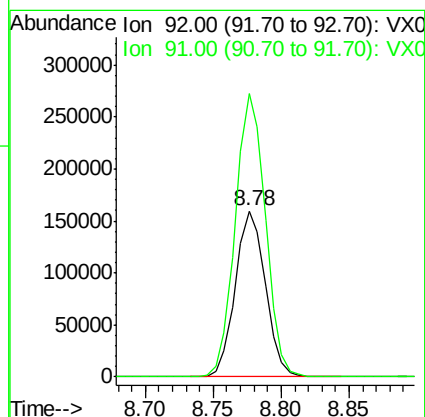
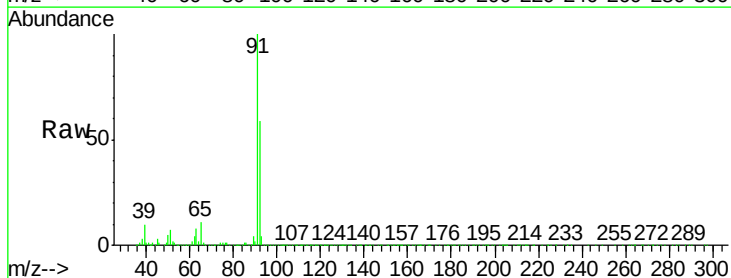
Acq: 13 Jan 2020 11:47

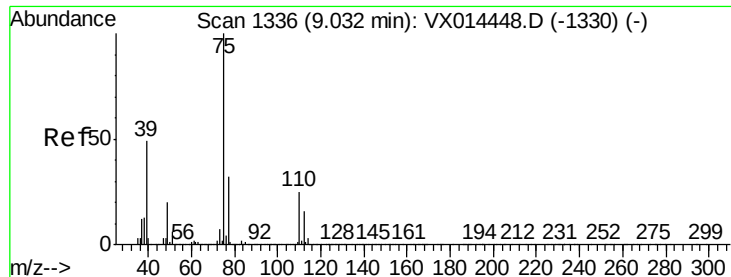
Tgt Ion: 92 Resp: 245006

Ion Ratio Lower Upper

92 100

91 171.6 135.7 203.5





#53

t-1,3-Dichloropropene

Concen: 19.161 ug/l

RT: 9.03 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VX014578.D

Acq: 13 Jan 2020 11:47

Instrument :

MSVOA_X

ClientSampled :

VX0113WBS01

Tot Ion: 75 Resp: 140490

Ion Ratio Lower Upper

75 100

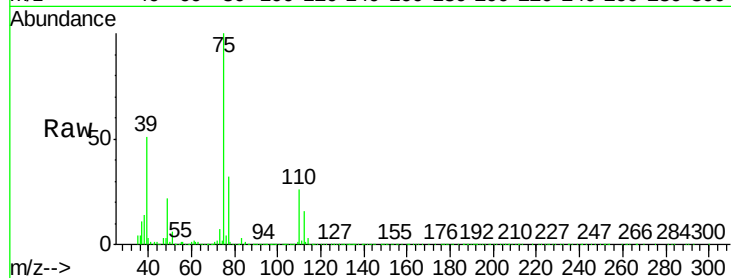
77 31.6 25.4 38.2

Manual Integrations

APPROVED

MMDadoda

1/14/2020 3:08:54 PM



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

100000

80000

60000

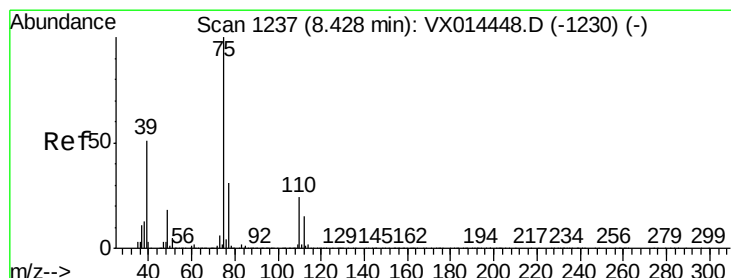
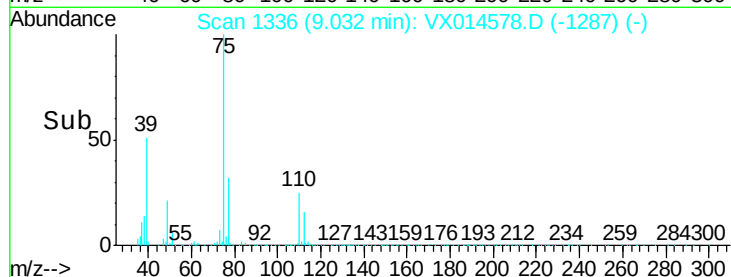
40000

20000

0

9.00 9.10

Time-->



#54

cis-1,3-Dichloropropene

Concen: 19.981 ug/l

RT: 8.43 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VX014578.D

Acq: 13 Jan 2020 11:47

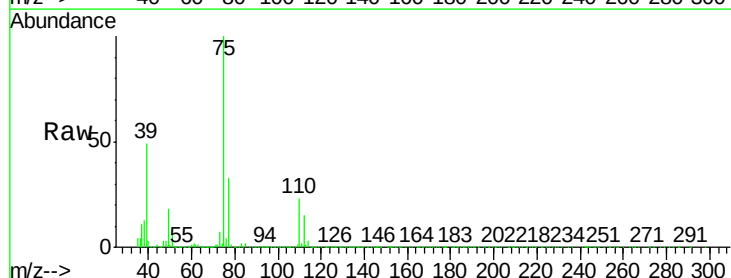
Tgt Ion: 75 Resp: 158256

Ion Ratio Lower Upper

75 100

77 33.0 25.0 37.4

39 49.1 40.7 61.1



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

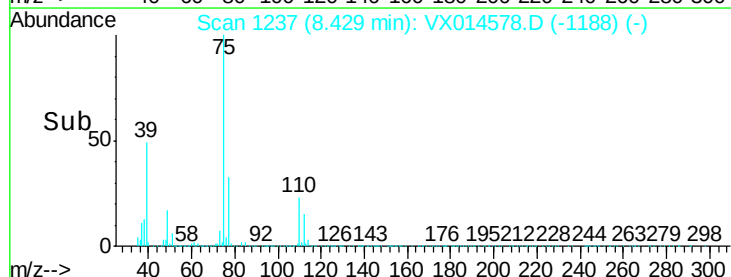
100000

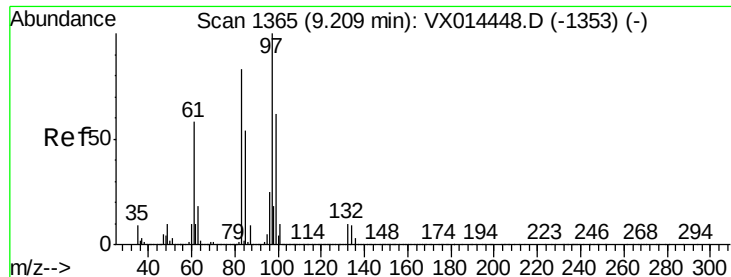
50000

0

8.40 8.50

Time-->





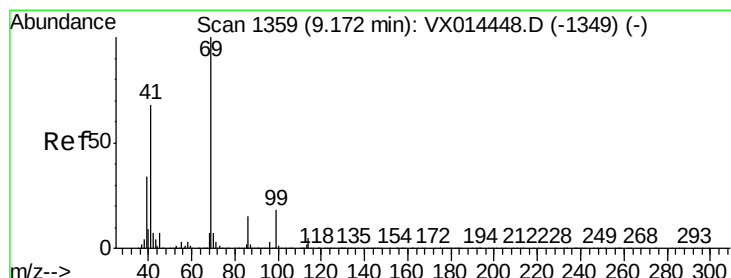
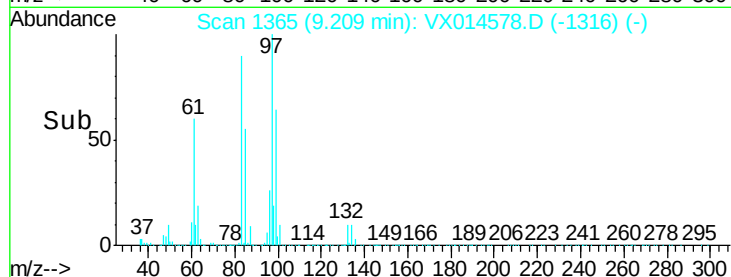
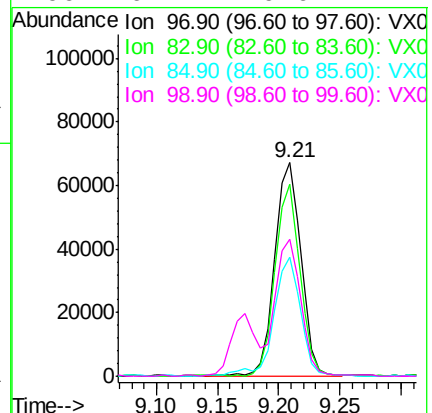
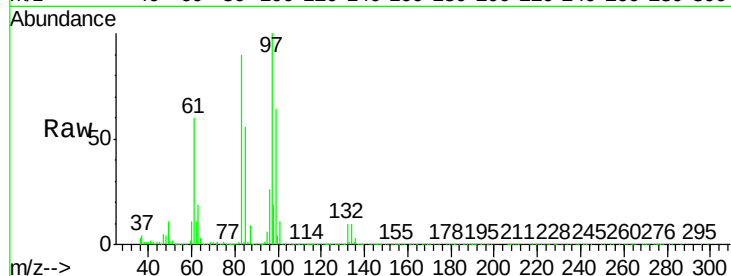
#55
 1,1,2-Trichloroethane
 Concen: 19.940 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX014578.D
 Acq: 13 Jan 2020 11:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0113WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		99719		
83	89.9	66.4	99.6		
85	55.8	43.4	65.2		
99	64.1	49.6	74.4		

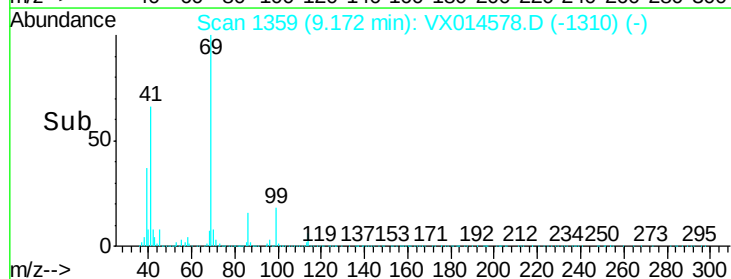
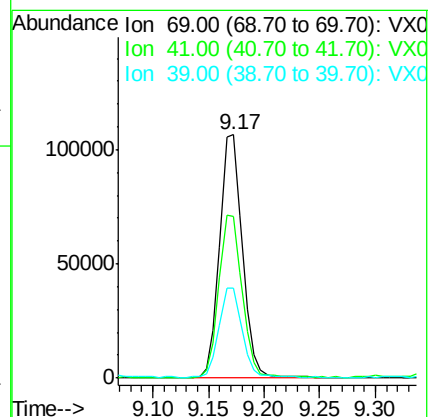
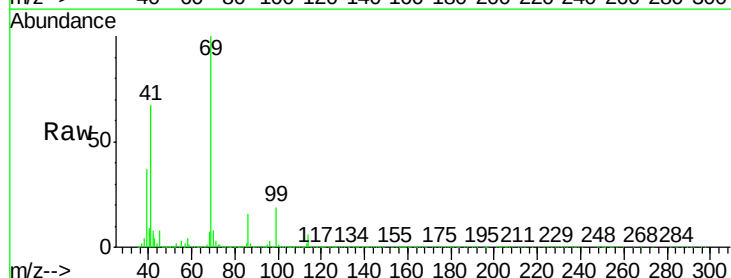
Manual Integrations
 APPROVED

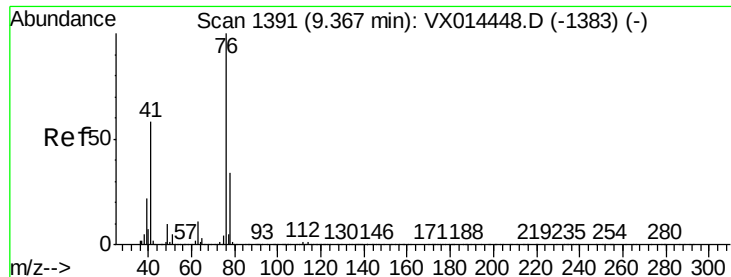
MMDadoda
 1/14/2020 3:08:54 PM



#56
 Ethyl methacrylate
 Concen: 19.975 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX014578.D
 Acq: 13 Jan 2020 11:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		153041		
41	67.4	54.2	81.2		
39	38.8	28.2	42.2		





#57

1,3-Dichloropropane

Concen: 20.145 ug/l

RT: 9.36 min Scan# 1390

Delta R.T. -0.01 min

Lab File: VX014578.D

Acq: 13 Jan 2020 11:47

Instrument :

MSVOA_X

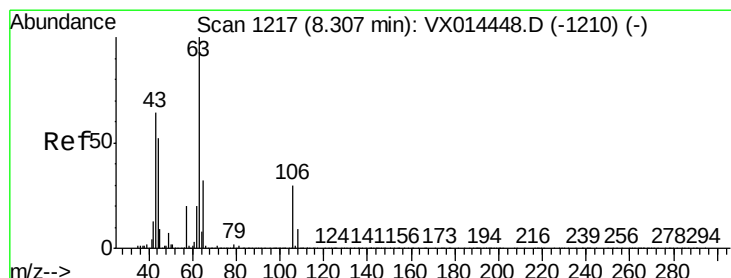
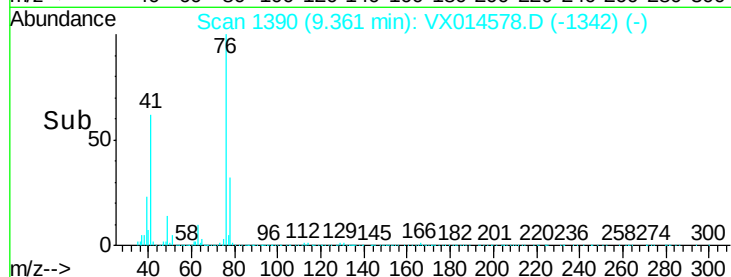
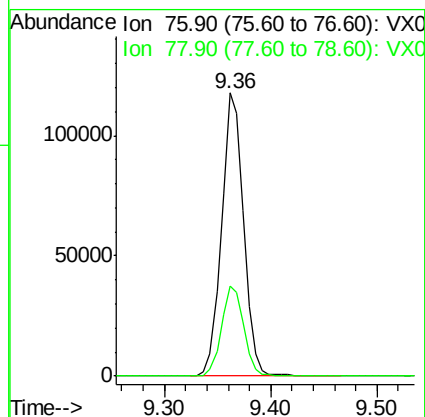
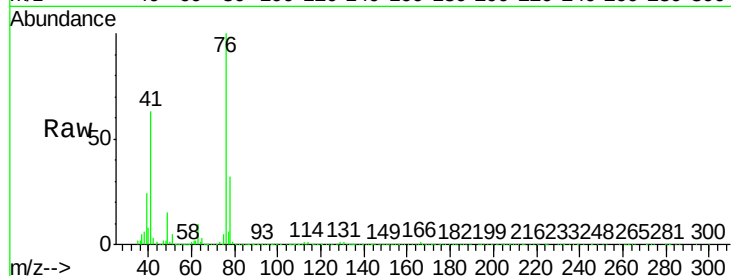
ClientSampleId :

VX0113WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.5	26.4	39.6

Manual Integrations
APPROVED

MMDadoda
1/14/2020 3:08:54 PM



#58

2-Chloroethyl Vinyl ether

Concen: 100.032 ug/l

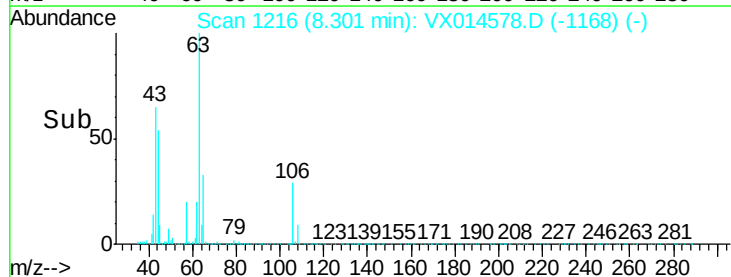
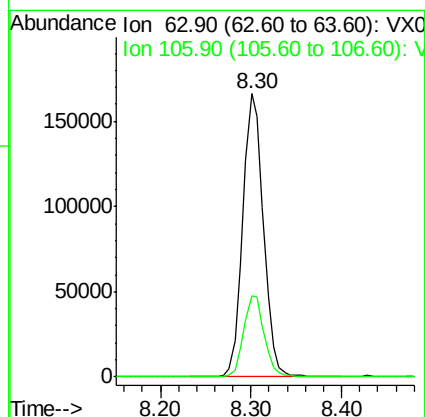
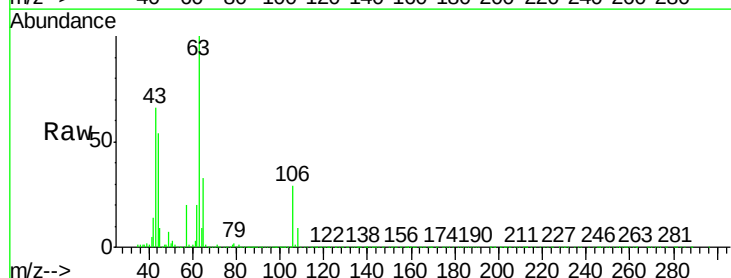
RT: 8.30 min Scan# 1216

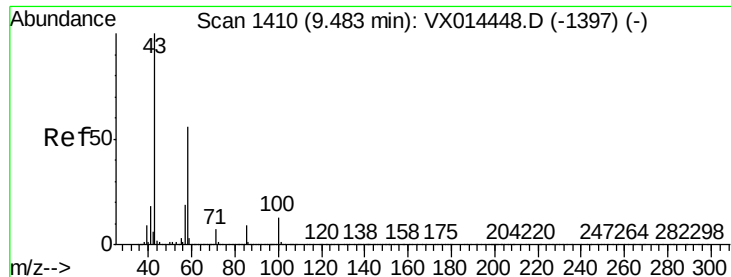
Delta R.T. -0.01 min

Lab File: VX014578.D

Acq: 13 Jan 2020 11:47

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.0	23.6	35.4





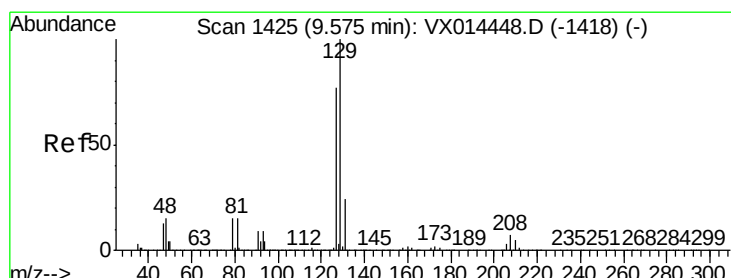
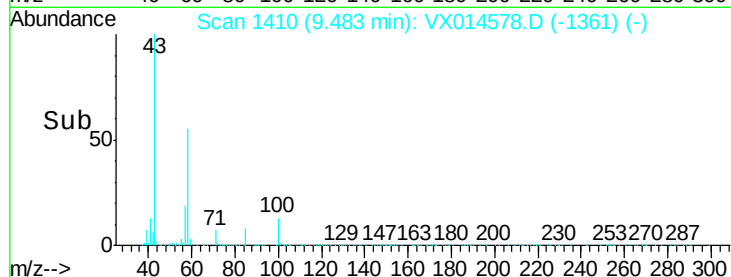
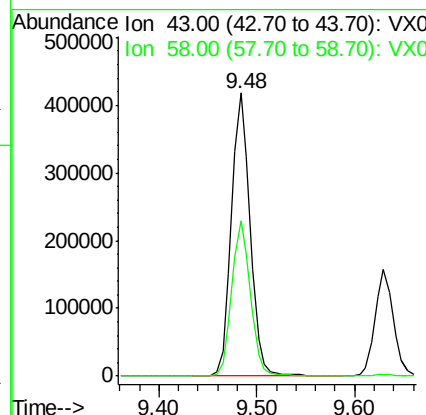
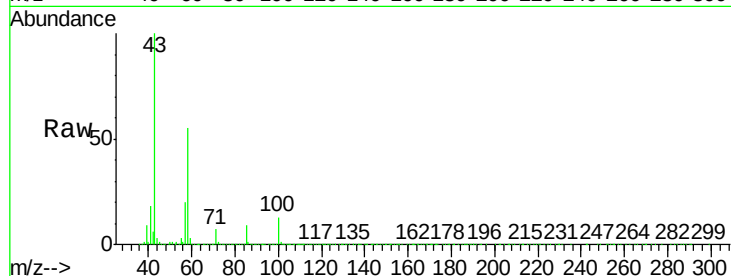
#59
2-Hexanone
Concen: 100.127 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. 0.00 min
Lab File: VX014578.D
Acq: 13 Jan 2020 11:47

Instrument :
MSVOA_X
ClientSampleId :
VX0113WBS01

Tot Ion: 43 Resp: 555141
Ion Ratio Lower Upper
43 100
58 55.0 27.9 83.7

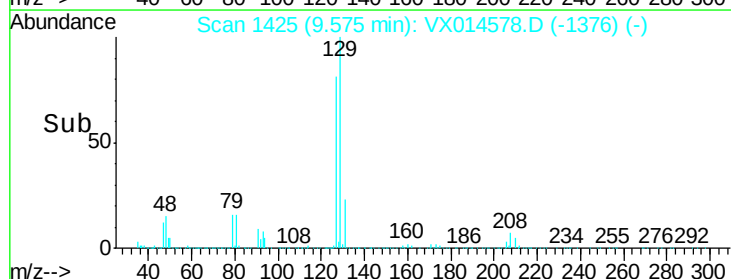
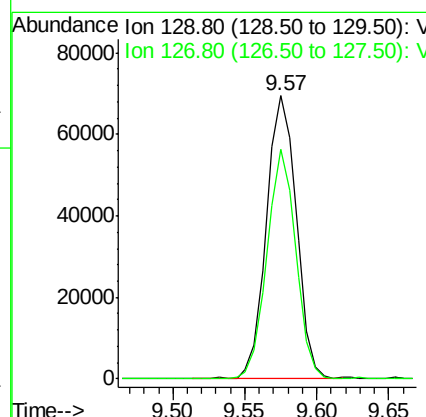
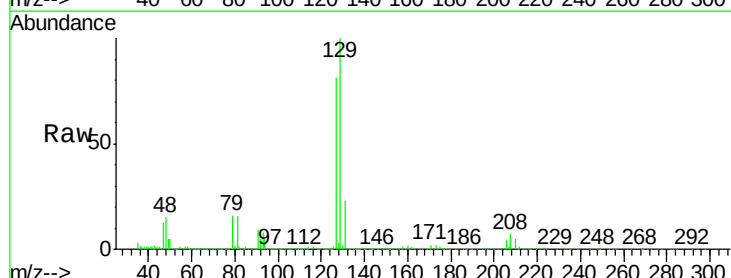
Manual Integrations
APPROVED

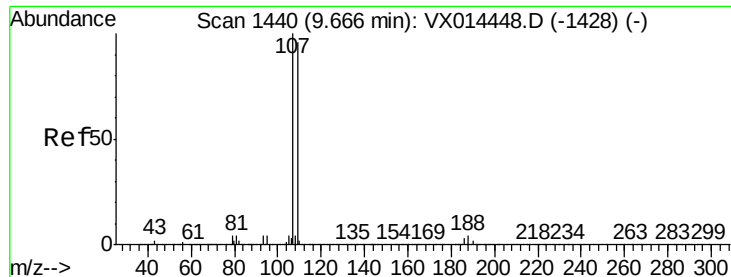
MMDadoda
1/14/2020 3:08:54 PM



#60
Dibromochloromethane
Concen: 19.864 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. 0.00 min
Lab File: VX014578.D
Acq: 13 Jan 2020 11:47

Tgt Ion: 129 Resp: 99847
Ion Ratio Lower Upper
129 100
127 78.5 38.6 116.0





#61

1,2-Dibromoethane

Concen: 19.674 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX014578.D

Acq: 13 Jan 2020 11:47

Instrument :

MSVOA_X

ClientSampleId :

VX0113WBS01

Tot Ion: 107 Resp: 104222

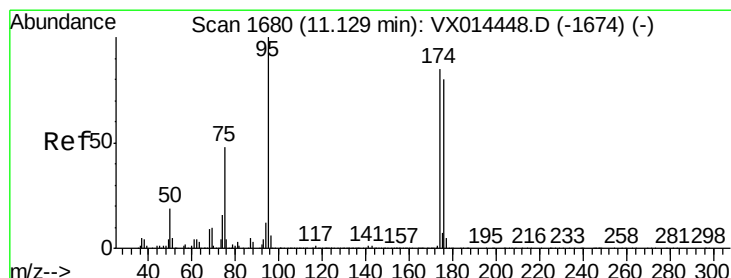
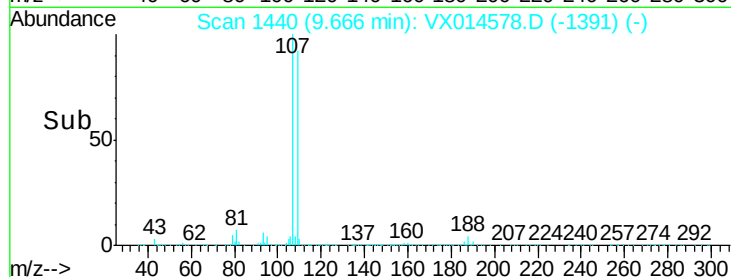
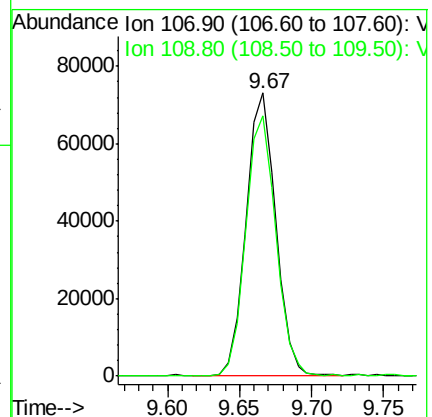
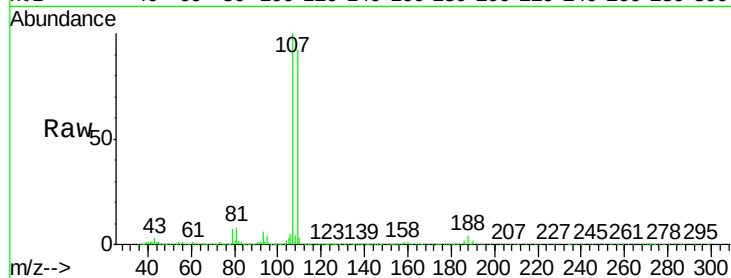
Ion Ratio Lower Upper

107 100

109 93.5 76.5 114.7

Manual Integrations
APPROVED

MMDadoda
1/14/2020 3:08:54 PM



#62

4-Bromofluorobenzene

Concen: 46.768 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VX014578.D

Acq: 13 Jan 2020 11:47

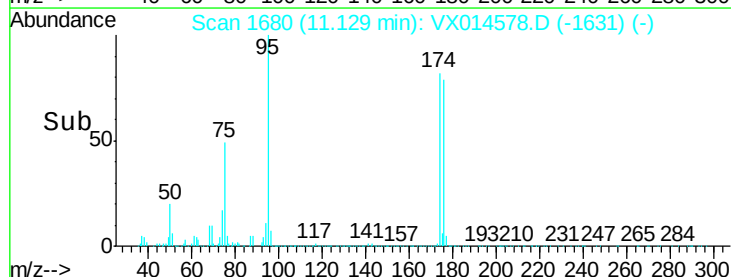
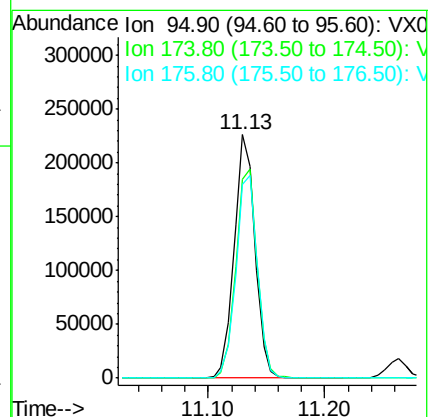
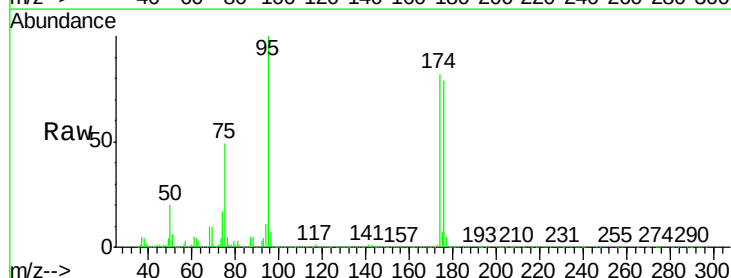
Tgt Ion: 95 Resp: 281062

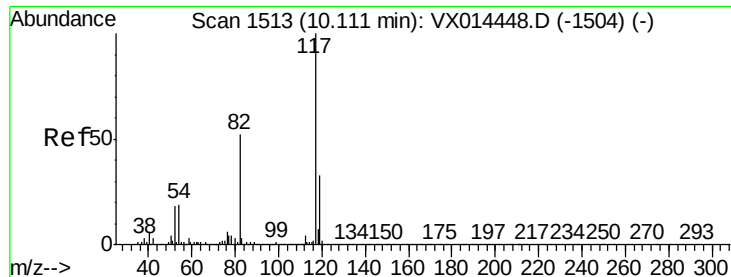
Ion Ratio Lower Upper

95 100

174 89.1 0.0 180.8

176 86.4 0.0 172.8





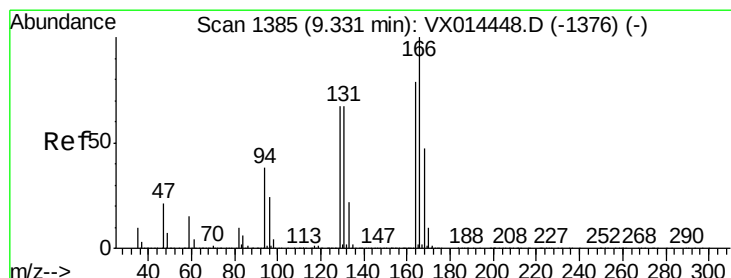
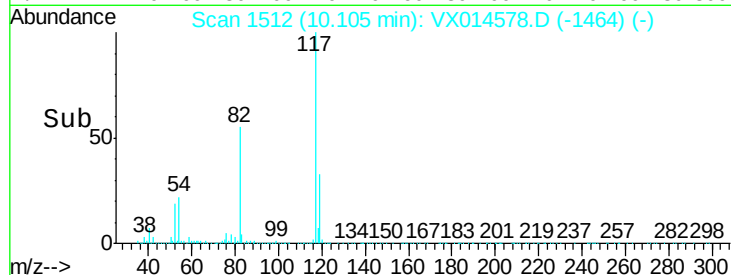
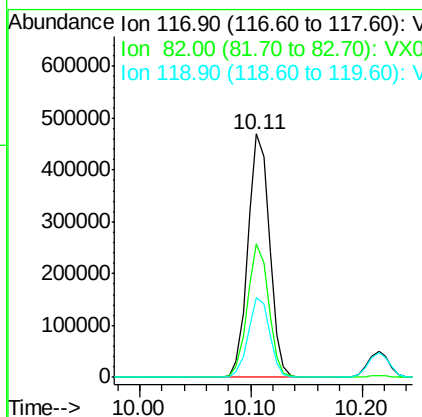
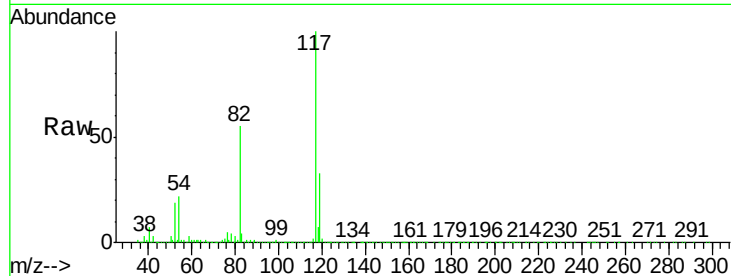
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX014578.D
Acq: 13 Jan 2020 11:47

Instrument :
MSVOA_X
ClientSampleId :
VX0113WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.5	41.8	62.6
119	32.6	26.2	39.4

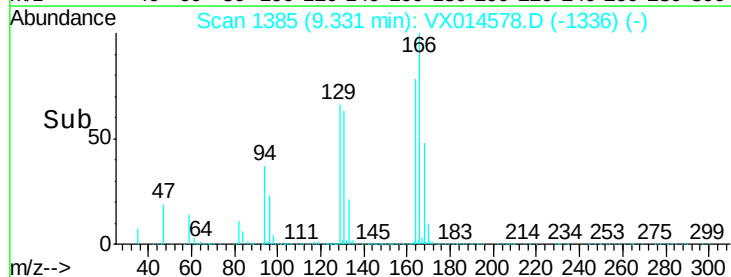
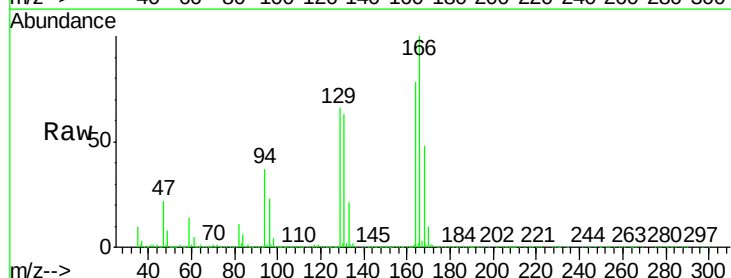
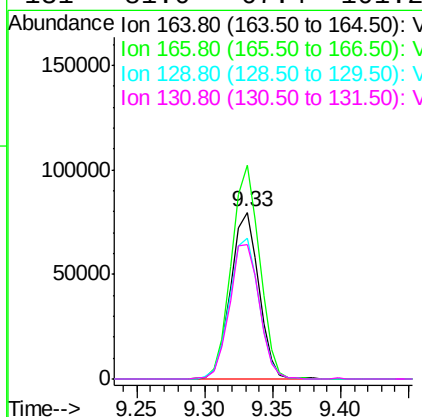
Manual Integrations
APPROVED

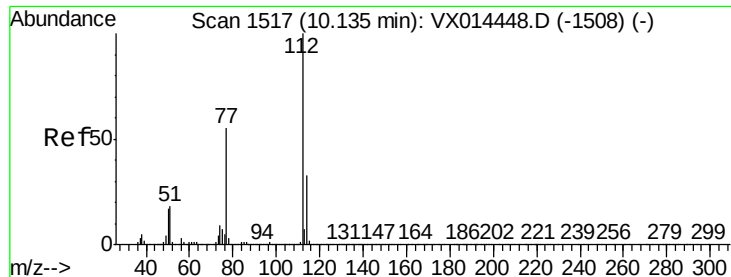
MMDadoda
1/14/2020 3:08:54 PM



#64
Tetrachloroethene
Concen: 18.225 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX014578.D
Acq: 13 Jan 2020 11:47

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.9	101.2	151.8
129	84.6	68.3	102.5
131	81.0	67.4	101.2





#65

Chlorobenzene

Concen: 19.289 ug/l

RT: 10.13 min Scan# 1516

Delta R.T. -0.01 min

Lab File: VX014578.D

Acq: 13 Jan 2020 11:47

Instrument :

MSVOA_X

ClientSampleId :

VX0113WBS01

Tot Ion:112 Resp: 265192

Ion Ratio Lower Upper

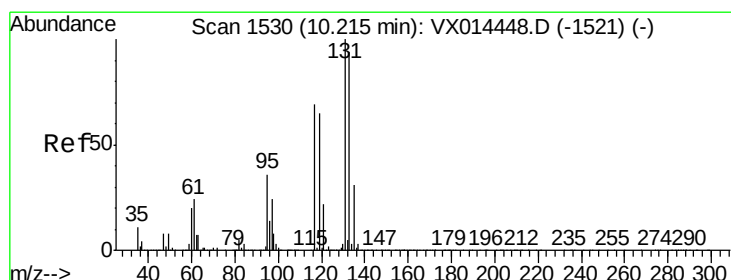
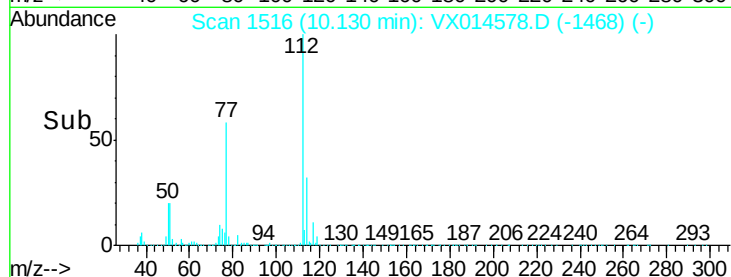
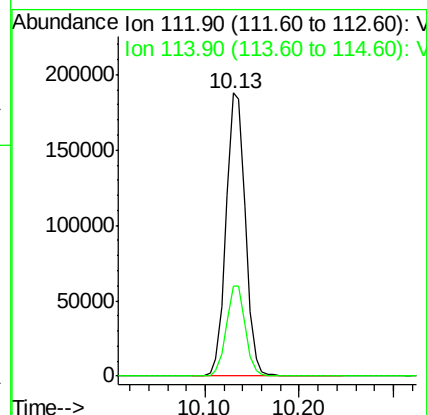
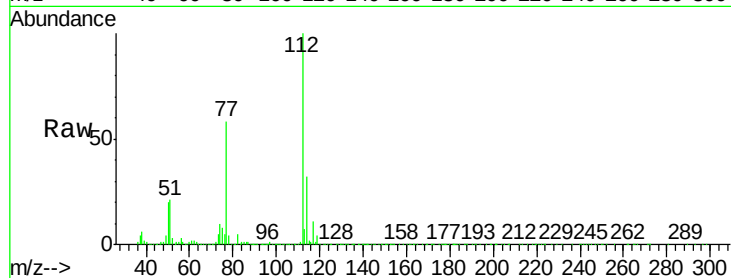
112 100

114 32.0 26.2 39.4

Manual Integrations
APPROVED

MMDadoda

1/14/2020 3:08:54 PM



#66

1,1,1,2-Tetrachloroethane

Concen: 19.589 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VX014578.D

Acq: 13 Jan 2020 11:47

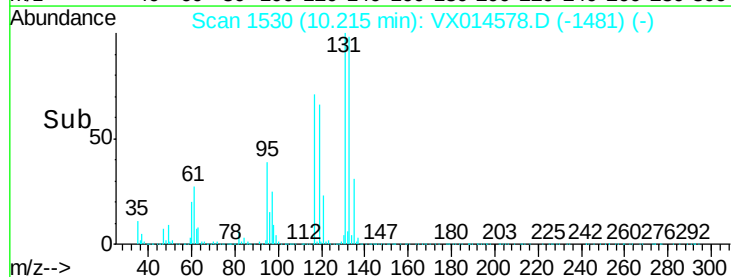
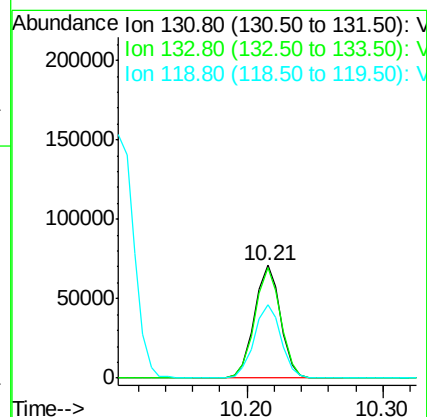
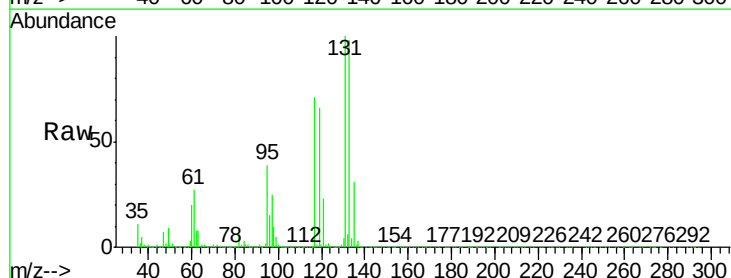
Tgt Ion:131 Resp: 96112

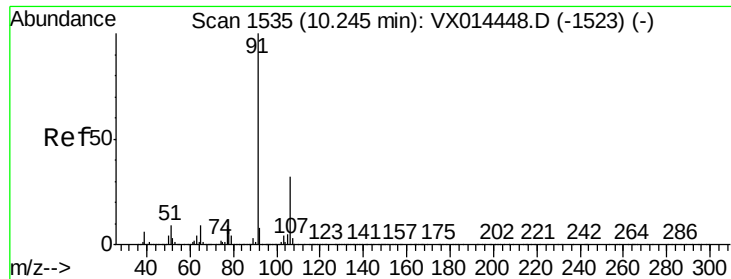
Ion Ratio Lower Upper

131 100

133 97.3 47.3 142.0

119 67.3 32.8 98.4





#67

Ethyl Benzene

Concen: 19.932 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VX014578.D

Acq: 13 Jan 2020 11:47

Instrument :

MSVOA_X

ClientSampleId :

VX0113WBS01

Tot Ion: 91 Resp: 467064

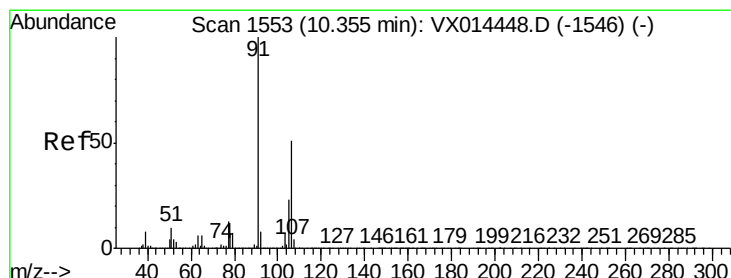
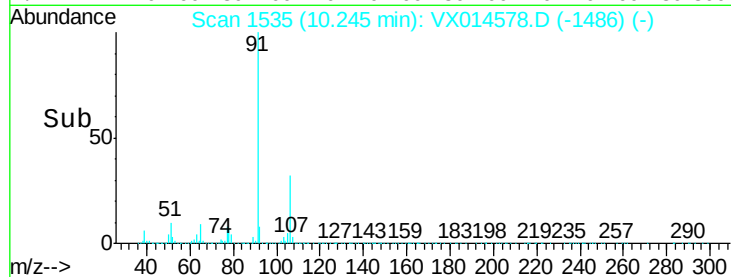
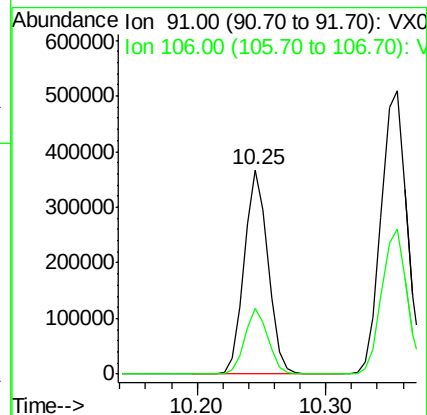
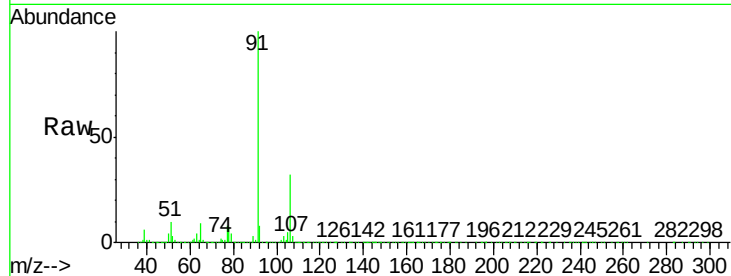
Ion Ratio Lower Upper

91 100

106 32.1 25.6 38.4

Manual Integrations
APPROVED

MMDadoda
1/14/2020 3:08:54 PM



#68

m/p-Xylenes

Concen: 39.172 ug/l

RT: 10.36 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX014578.D

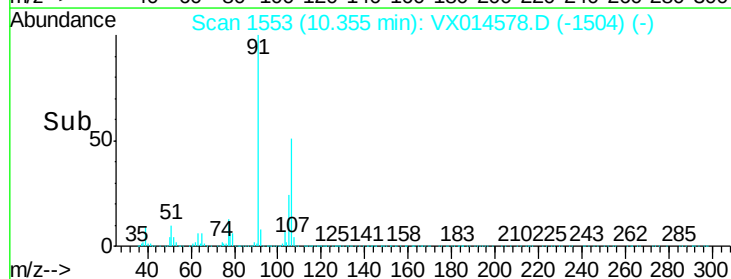
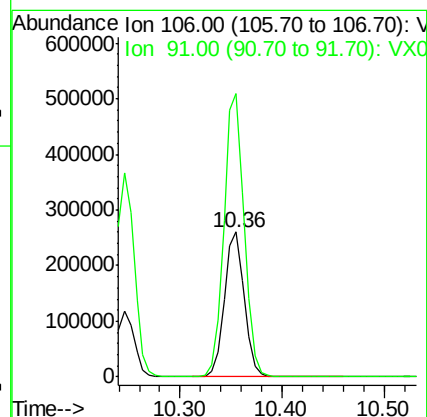
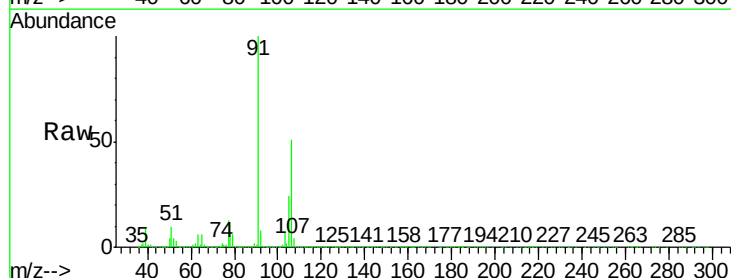
Acq: 13 Jan 2020 11:47

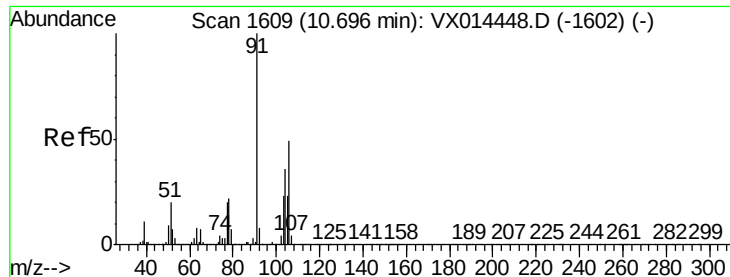
Tgt Ion: 106 Resp: 354125

Ion Ratio Lower Upper

106 100

91 198.5 157.4 236.0





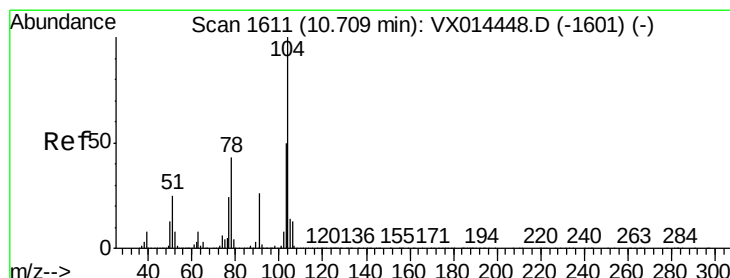
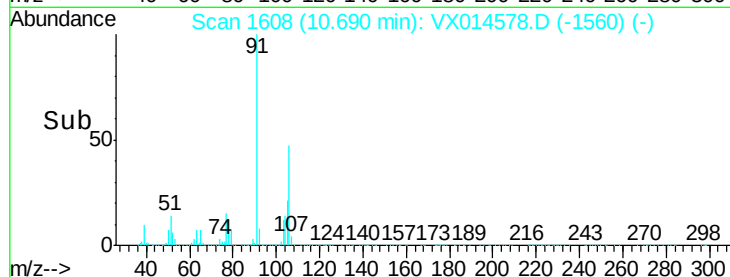
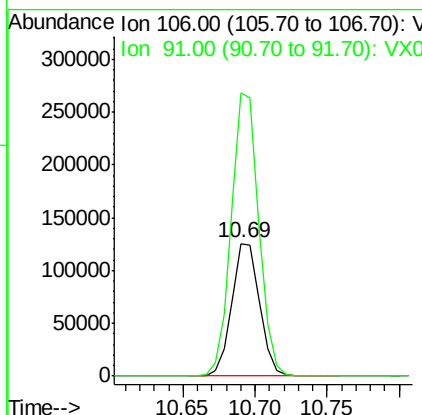
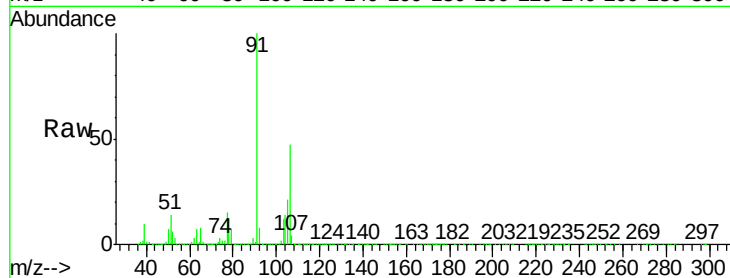
#69
o-Xylene
Concen: 19.729 ug/l
RT: 10.69 min Scan# 1608
Delta R.T. -0.01 min
Lab File: VX014578.D
Acq: 13 Jan 2020 11:47

Instrument :
MSVOA_X
ClientSampleId :
VX0113WBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	211.2	105.1	315.1

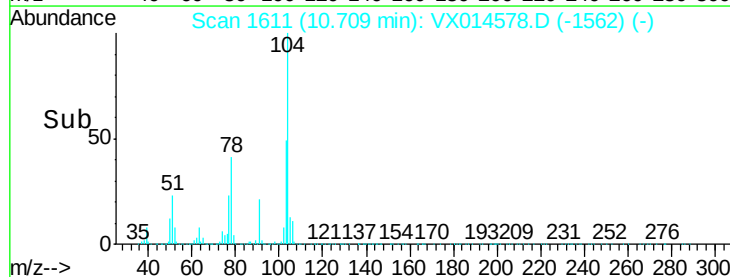
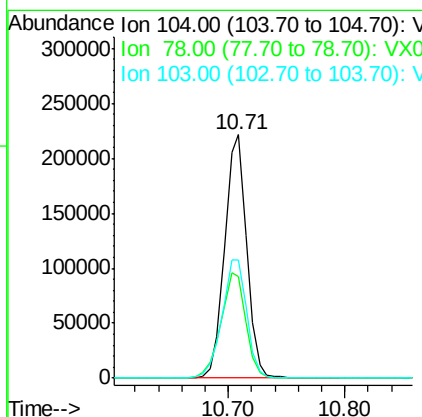
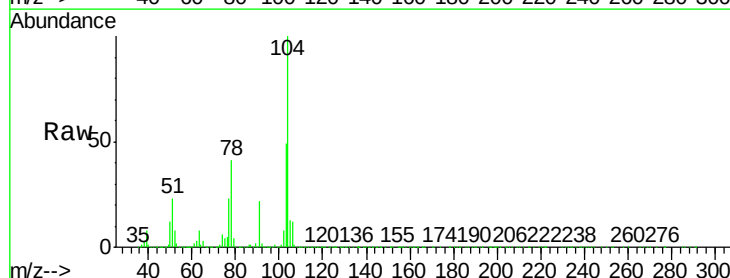
Manual Integrations
APPROVED

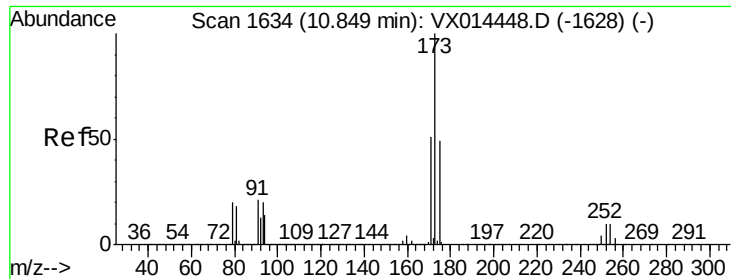
MMDadoda
1/14/2020 3:08:54 PM



#70
Styrene
Concen: 19.447 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX014578.D
Acq: 13 Jan 2020 11:47

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.3	38.6	58.0
103	54.4	43.7	65.5





#71

Bromoform

Concen: 18.682 ug/l

RT: 10.85 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VX014578.D

Acq: 13 Jan 2020 11:47

Instrument :

MSVOA_X

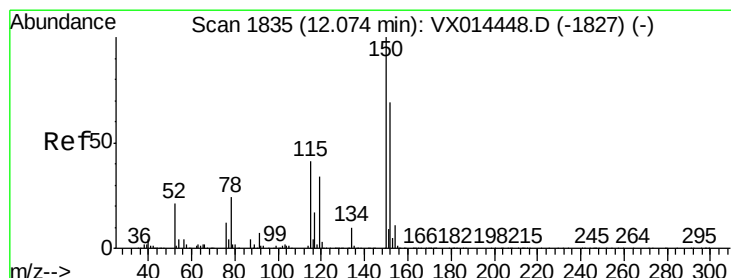
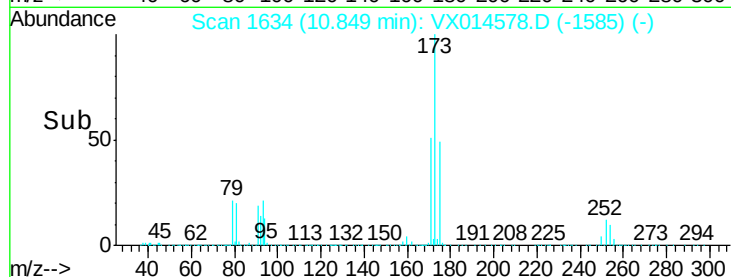
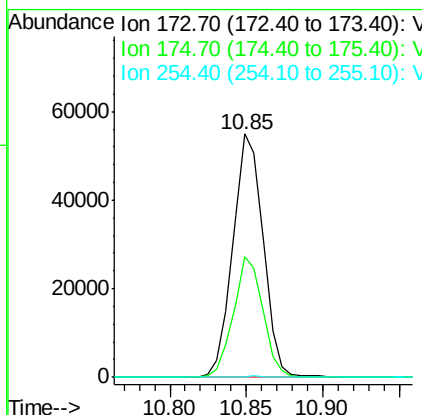
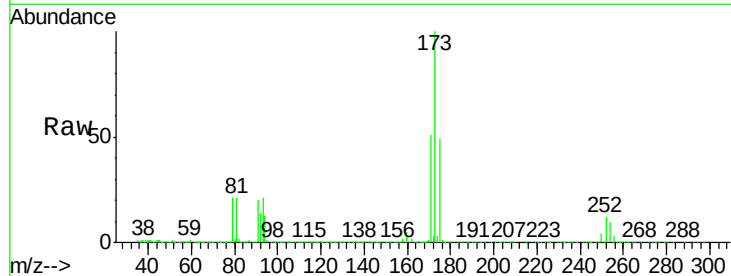
ClientSampleId :

VX0113WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.3	72.8
254	0.3	0.2	0.2

Manual Integrations
APPROVED

MMDadoda
1/14/2020 3:08:54 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

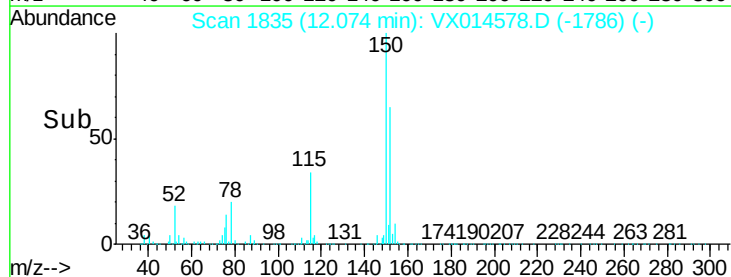
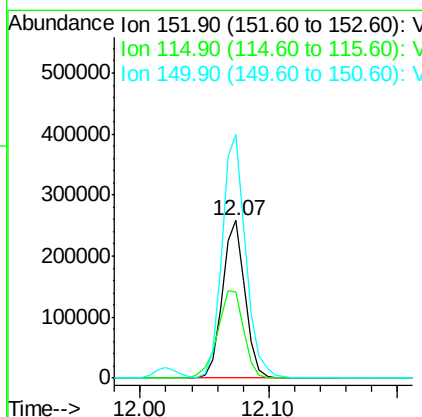
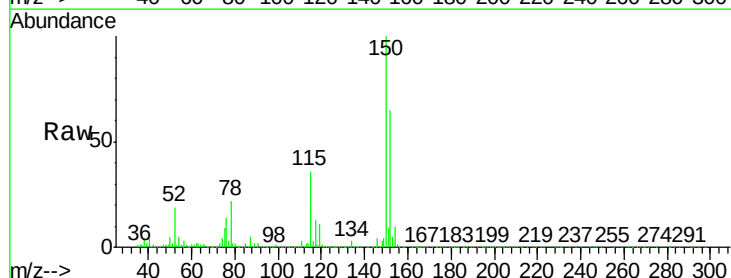
RT: 12.07 min Scan# 1835

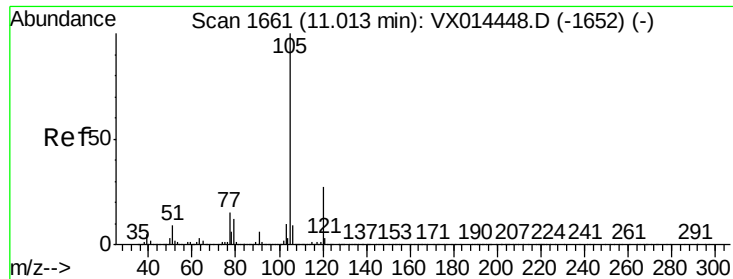
Delta R.T. 0.00 min

Lab File: VX014578.D

Acq: 13 Jan 2020 11:47

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.7	39.5	118.3
150	162.6	0.0	350.2





#73

Isopropylbenzene

Concen: 20.507 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX014578.D

Acq: 13 Jan 2020 11:47

Instrument :

MSVOA_X

ClientSampleId :

VX0113WBS01

Tot Ion: 105 Resp: 456143

Ion Ratio Lower Upper

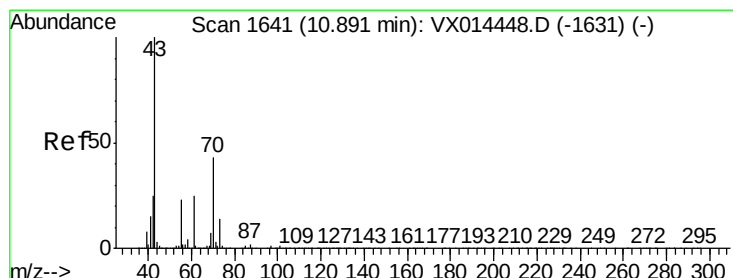
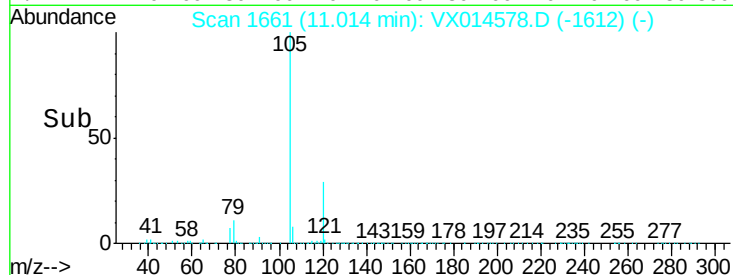
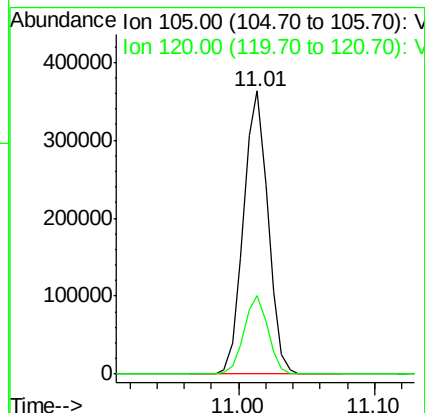
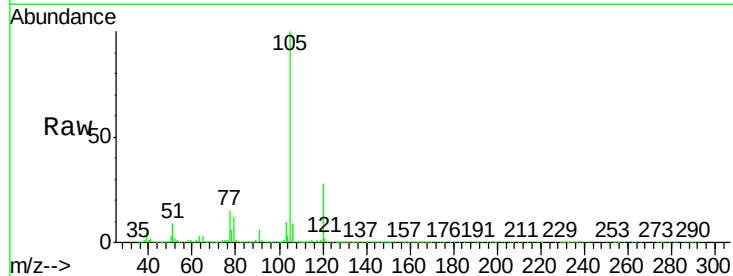
105 100

120 27.2 13.4 40.2

Manual Integrations
APPROVED

MMDadoda

1/14/2020 3:08:54 PM



#74

N-ethyl acetate

Concen: 19.583 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX014578.D

Acq: 13 Jan 2020 11:47

Tgt Ion: 43 Resp: 192173

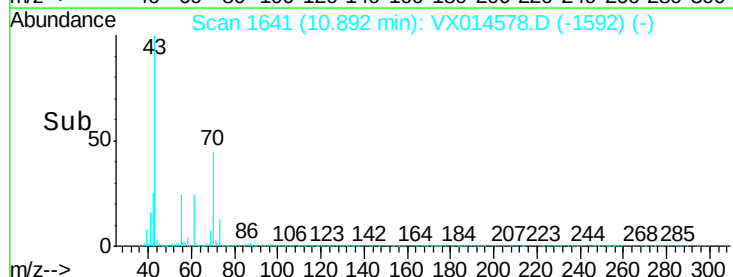
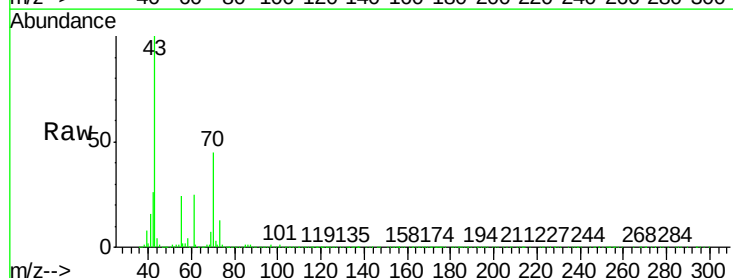
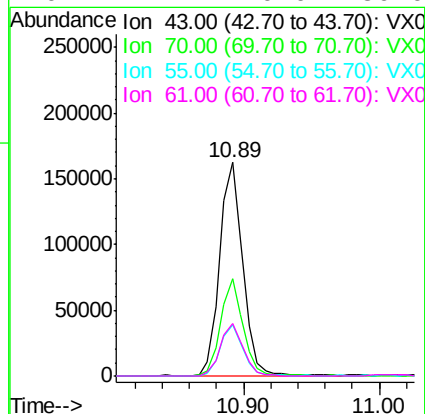
Ion Ratio Lower Upper

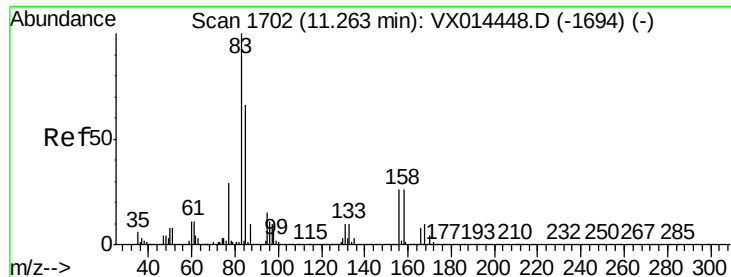
43 100

70 43.5 35.1 52.7

55 23.5 19.3 28.9

61 24.1 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.357 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX014578.D

Acq: 13 Jan 2020 11:47

Instrument :

MSVOA_X

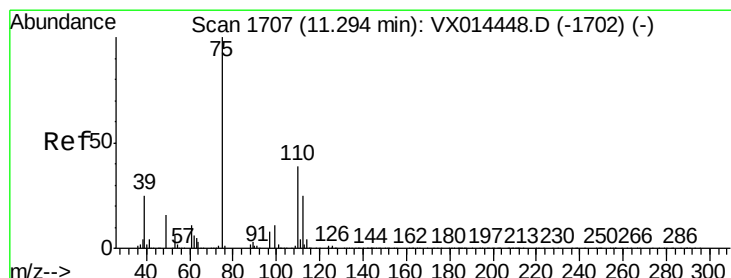
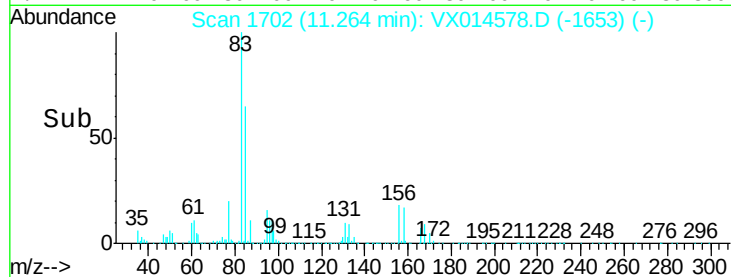
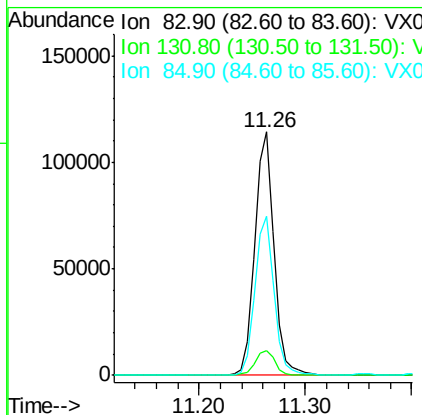
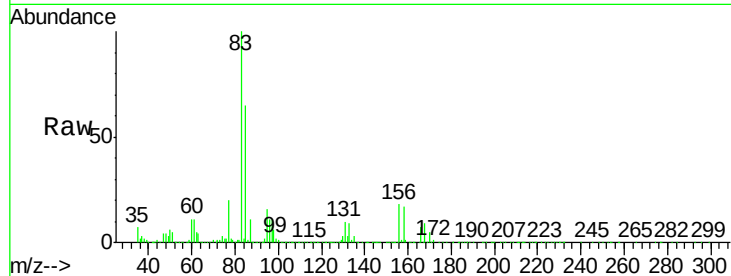
ClientSampled :

VX0113WBS01

Tot Ion:	83	Resp:	145208
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.1	15.4
85	65.0	32.5	97.4

Manual Integrations
APPROVED

MMDadoda
1/14/2020 3:08:54 PM



#76

1,2,3-Trichloropropane

Concen: 19.260 ug/l m

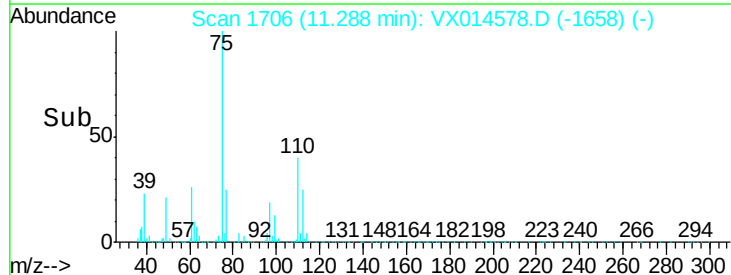
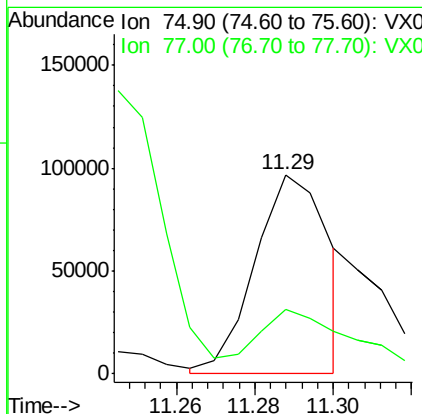
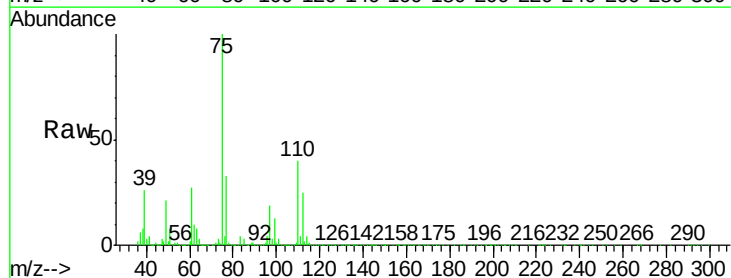
RT: 11.29 min Scan# 1706

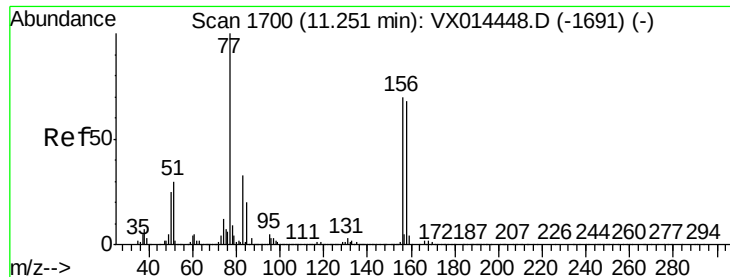
Delta R.T. -0.01 min

Lab File: VX014578.D

Acq: 13 Jan 2020 11:47

Tgt Ion:	75	Resp:	126222
Ion Ratio	Lower	Upper	
75	100		
77	42.9	21.9	65.7





#77

Bromobenzene

Concen: 19.126 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX014578.D

Acq: 13 Jan 2020 11:47

Instrument :

MSVOA_X

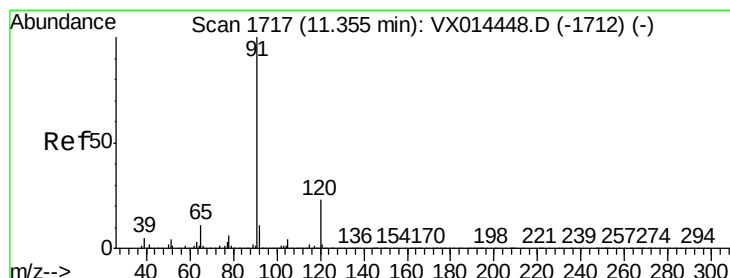
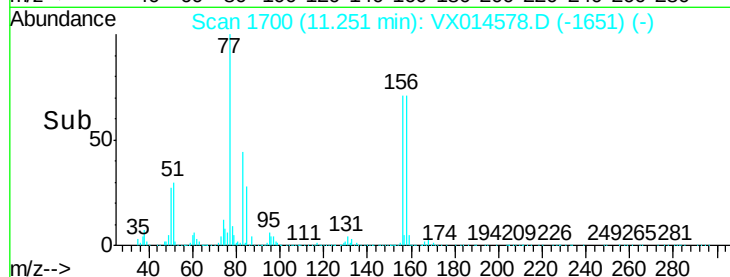
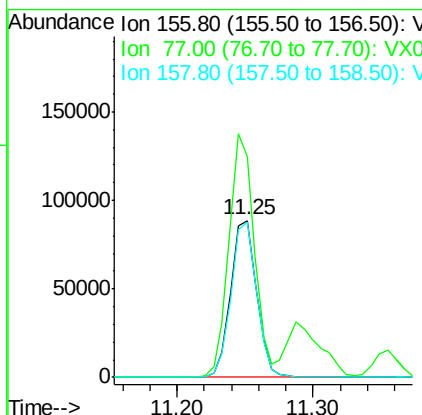
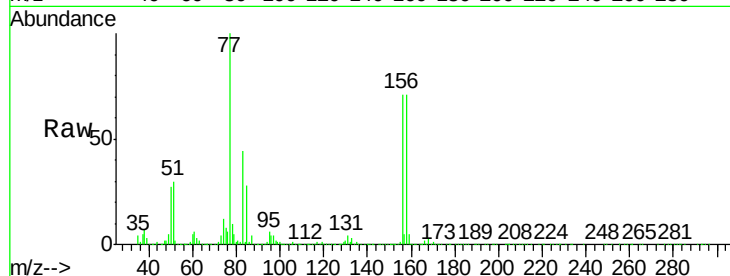
ClientSampleId :

VX0113WBS01

Tot Ion:	156	Resp:	117977
Ion Ratio	Lower	Upper	
156	100		
77	150.4	75.4	226.3
158	97.2	48.8	146.3

Manual Integrations
APPROVED

MMDadoda
1/14/2020 3:08:54 PM



#78

n-propylbenzene

Concen: 20.361 ug/l

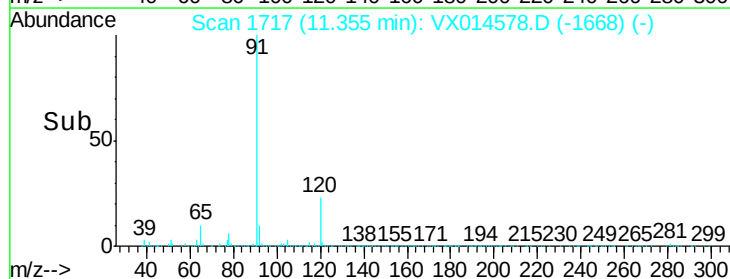
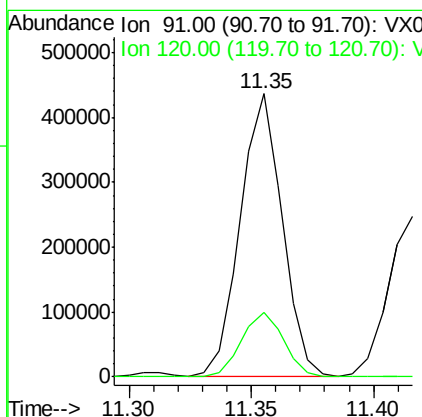
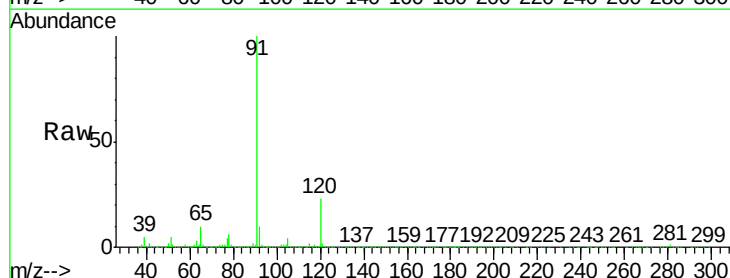
RT: 11.35 min Scan# 1717

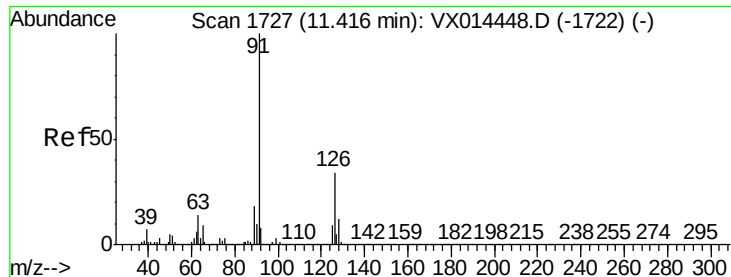
Delta R.T. 0.00 min

Lab File: VX014578.D

Acq: 13 Jan 2020 11:47

Tgt Ion:	91	Resp:	518664
Ion Ratio	Lower	Upper	
91	100		
120	23.2	11.9	35.5





#79

2-Chlorotoluene

Concen: 19.898 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX014578.D

Acq: 13 Jan 2020 11:47

Instrument :

MSVOA_X

ClientSampleId :

VX0113WBS01

Tot Ion: 91 Resp: 302100

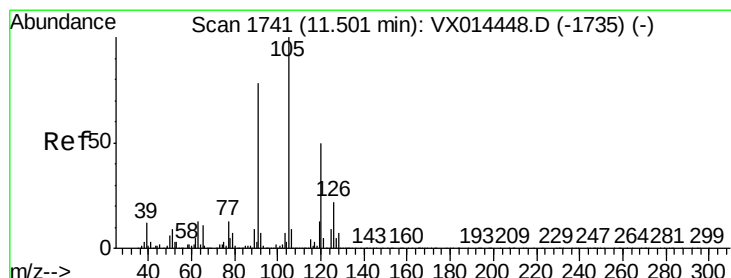
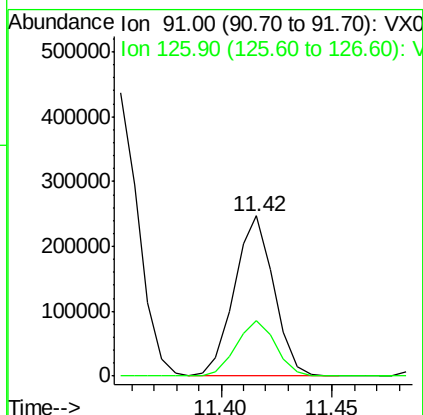
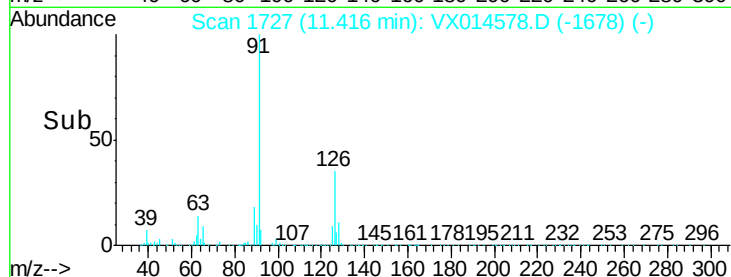
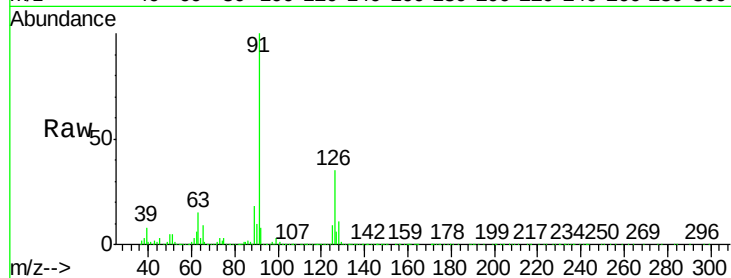
Ion Ratio Lower Upper

91 100

126 35.0 17.5 52.5

Manual Integrations
APPROVED

MMDadoda
1/14/2020 3:08:54 PM



#80

1,3,5-Trimethylbenzene

Concen: 20.629 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX014578.D

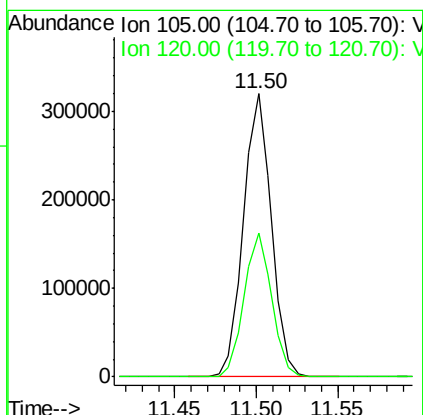
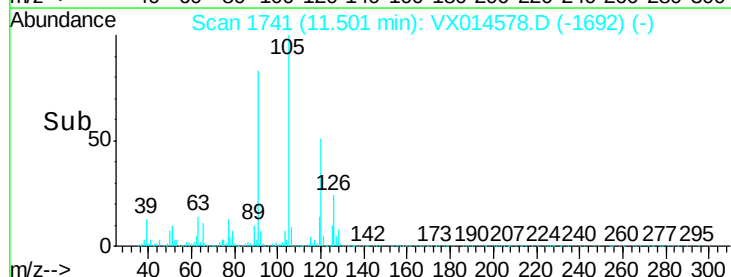
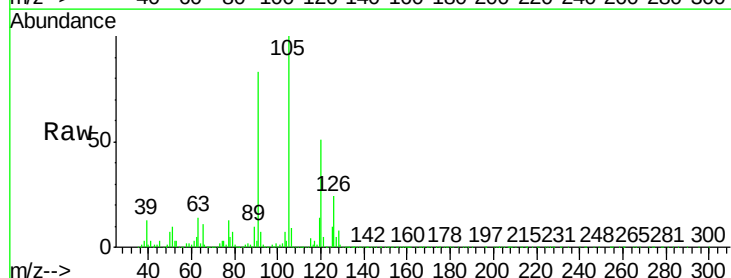
Acq: 13 Jan 2020 11:47

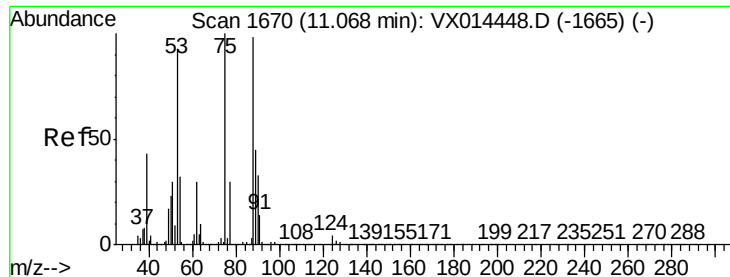
Tgt Ion: 105 Resp: 380954

Ion Ratio Lower Upper

105 100

120 50.5 25.2 75.6





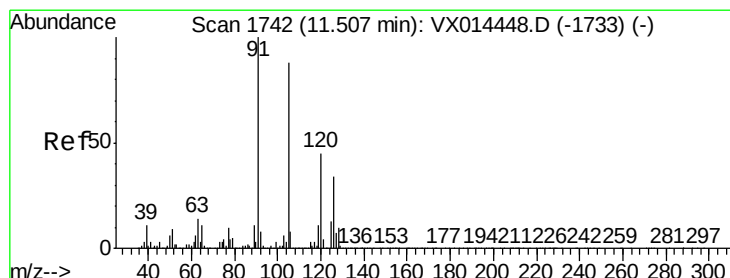
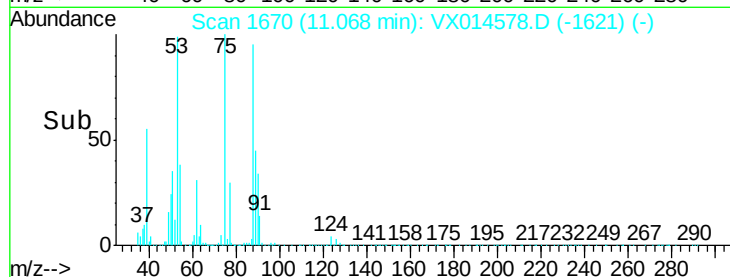
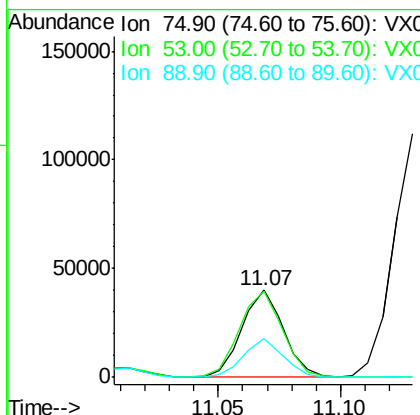
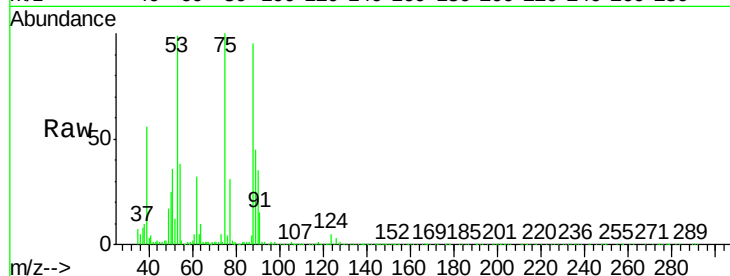
#81
trans-1,4-Dichloro-2-butene
Concen: 19.028 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VX014578.D
Acq: 13 Jan 2020 11:47

Instrument :
MSVOA_X
ClientSampled :
VX0113WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	101.5	74.8	112.2
89	44.4	36.3	54.5

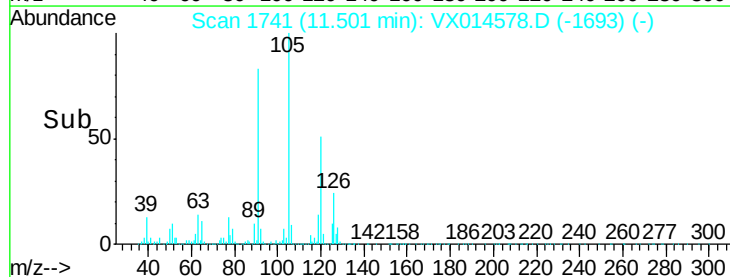
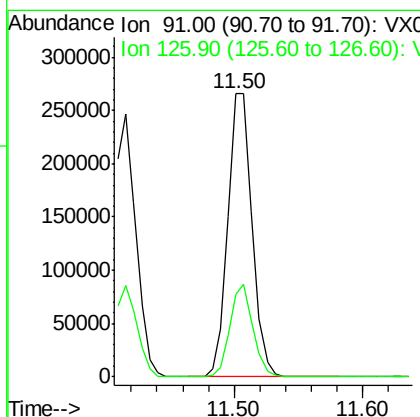
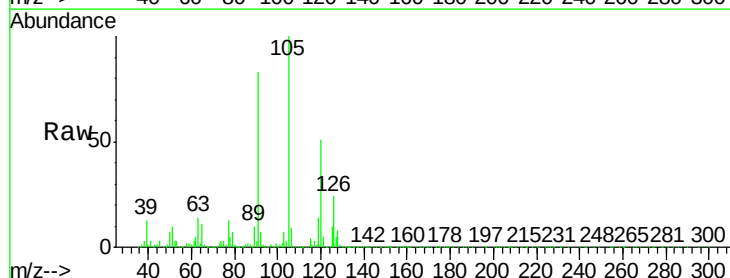
Manual Integrations
APPROVED

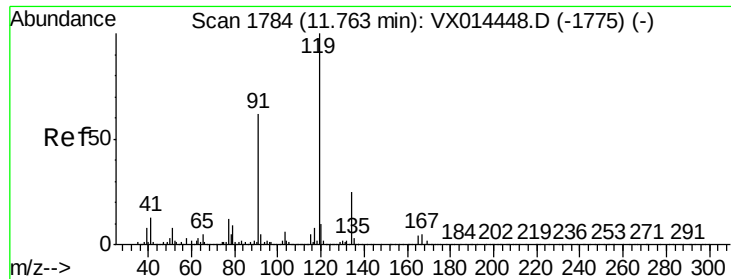
MMDadoda
1/14/2020 3:08:54 PM



#82
4-Chlorotoluene
Concen: 19.767 ug/l
RT: 11.50 min Scan# 1741
Delta R.T. -0.01 min
Lab File: VX014578.D
Acq: 13 Jan 2020 11:47

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.7	15.9	47.7





#83

tert-Butylbenzene

Concen: 20.402 ug/l

RT: 11.76 min Scan# 1784

Delta R.T. 0.00 min

Lab File: VX014578.D

Acq: 13 Jan 2020 11:47

Instrument :

MSVOA_X

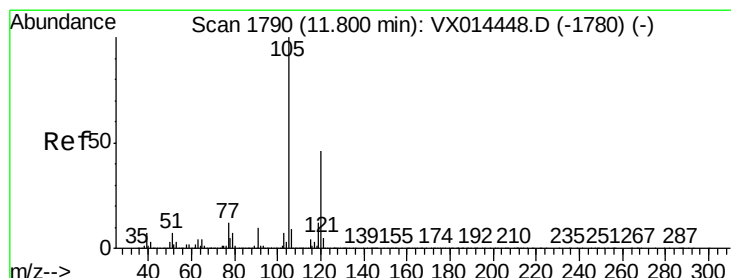
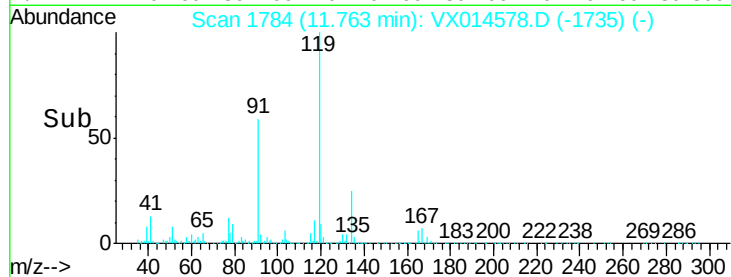
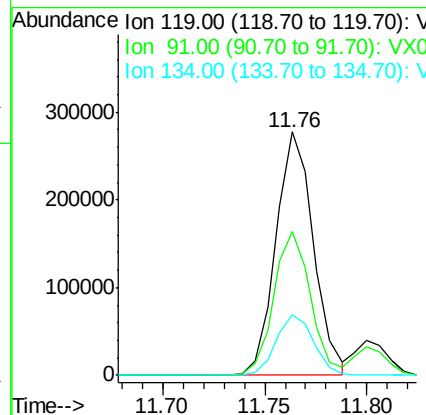
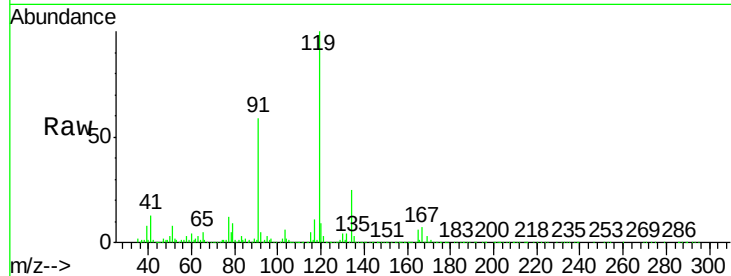
ClientSampleId :

VX0113WBS01

Tot Ion:	119	Resp:	355981
Ion Ratio	Lower	Upper	
119	100		
91	57.7	29.3	88.0
134	24.9	12.4	37.4

Manual Integrations
APPROVED

MMDadoda
1/14/2020 3:08:54 PM



#84

1,2,4-Trimethylbenzene

Concen: 20.368 ug/l

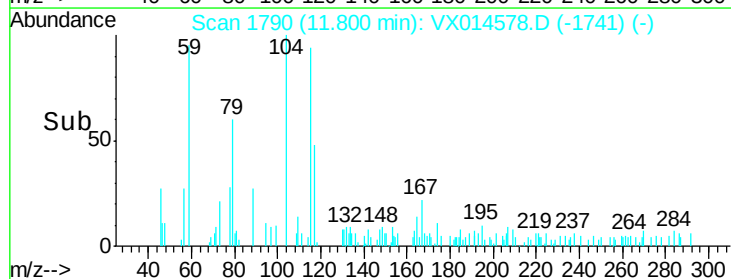
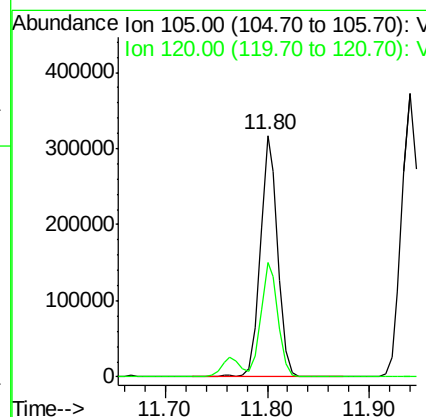
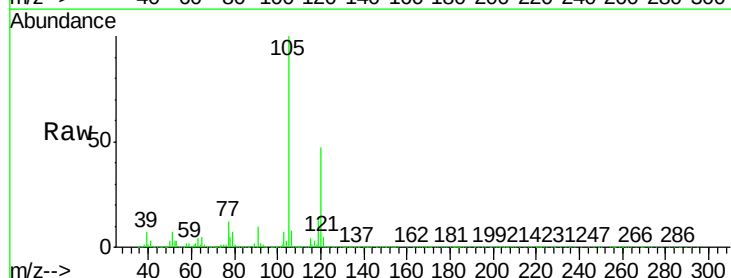
RT: 11.80 min Scan# 1790

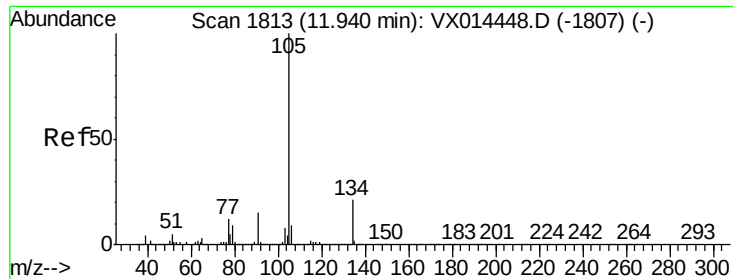
Delta R.T. 0.00 min

Lab File: VX014578.D

Acq: 13 Jan 2020 11:47

Tgt Ion:	105	Resp:	380064
Ion Ratio	Lower	Upper	
105	100		
120	46.4	23.1	69.3





#85

sec-Butylbenzene

Concen: 20.289 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX014578.D

Acq: 13 Jan 2020 11:47

Instrument :

MSVOA_X

ClientSampleId :

VX0113WBS01

Tot Ion:105 Resp: 440093

Ion Ratio Lower Upper

105 100

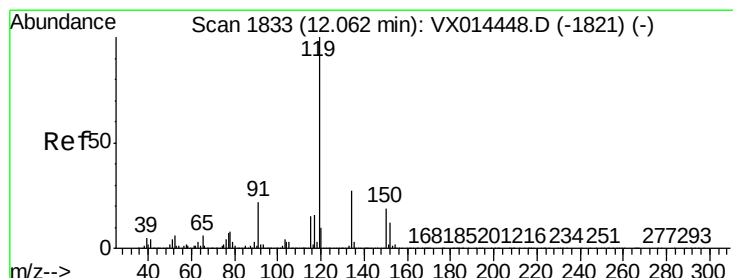
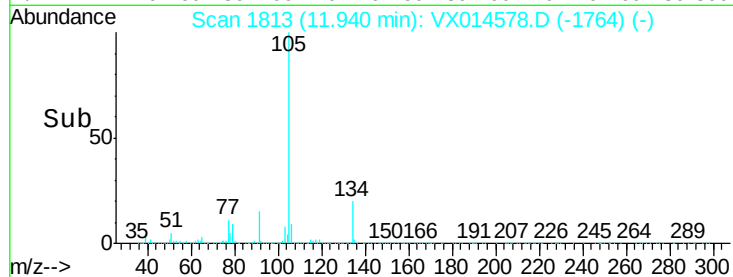
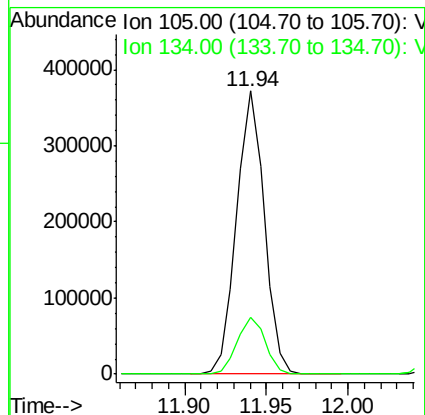
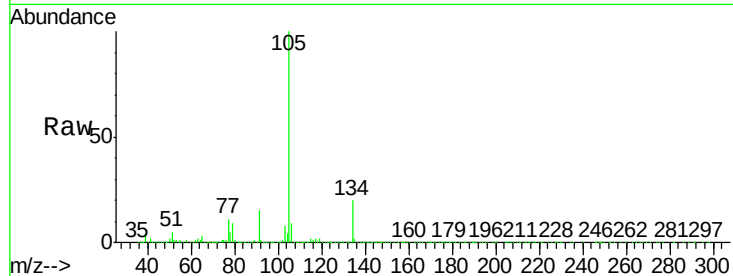
134 20.6 10.5 31.5

Manual Integrations

APPROVED

MMDadoda

1/14/2020 3:08:54 PM



#86

p-Isopropyltoluene

Concen: 20.139 ug/l

RT: 12.06 min Scan# 1832

Delta R.T. -0.01 min

Lab File: VX014578.D

Acq: 13 Jan 2020 11:47

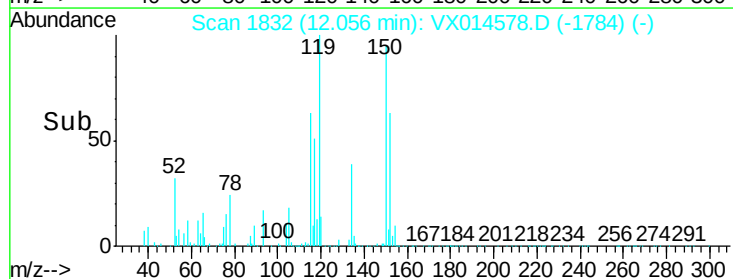
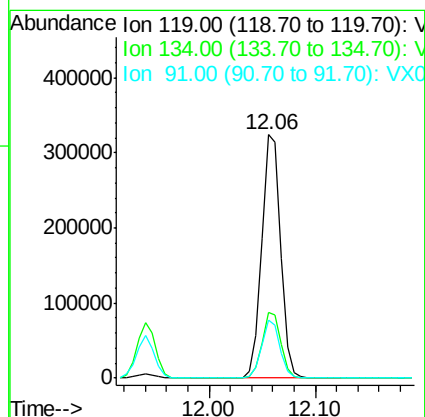
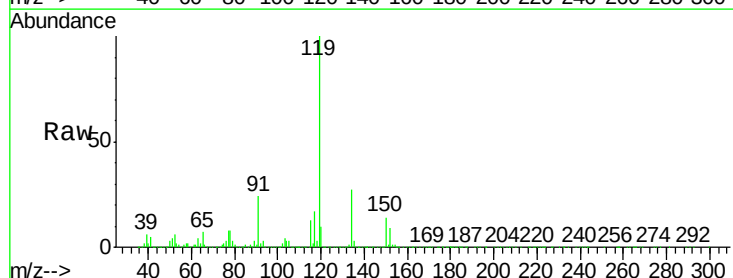
Tgt Ion:119 Resp: 405379

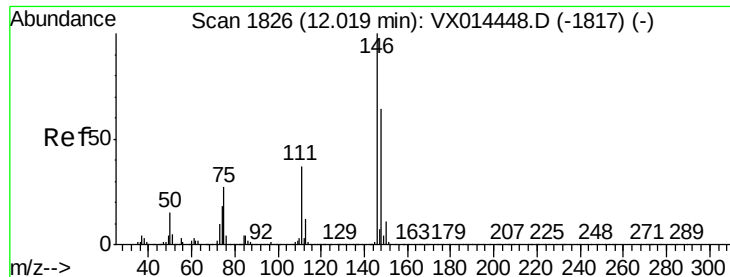
Ion Ratio Lower Upper

119 100

134 26.6 13.5 40.4

91 23.0 11.1 33.3





#87

1,3-Dichlorobenzene

Concen: 18.889 ug/l

RT: 12.02 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VX014578.D

Acq: 13 Jan 2020 11:47

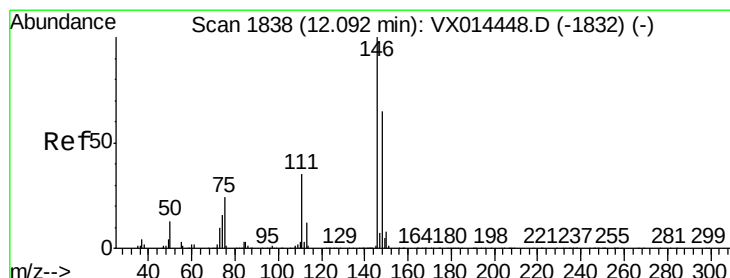
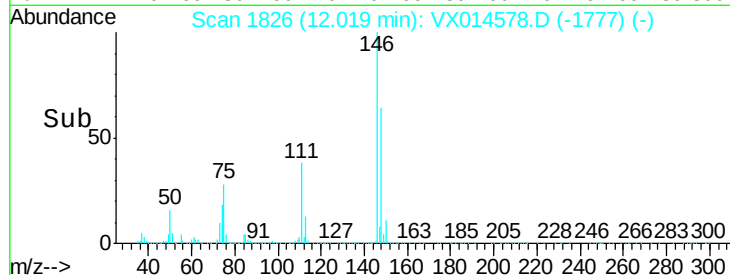
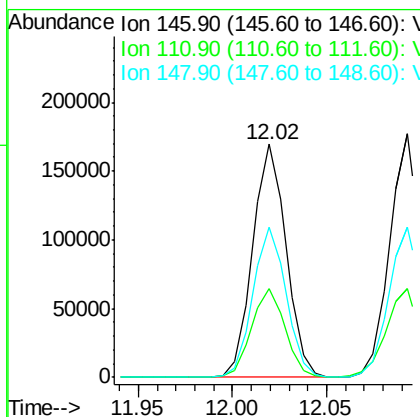
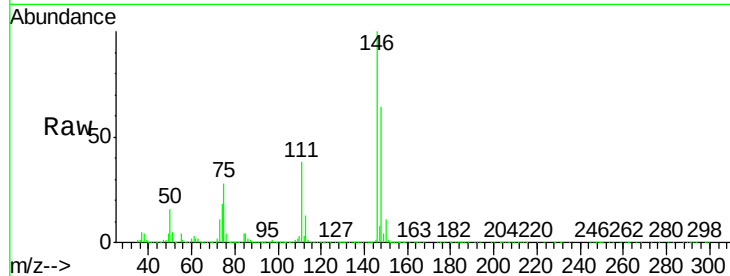
Instrument :
MSVOA_X

ClientSampleId :
VX0113WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	209104		
111	38.0	18.9	56.7	
148	63.8	32.2	96.6	

Manual Integrations
APPROVED

MMDadoda
1/14/2020 3:08:54 PM



#88

1,4-Dichlorobenzene

Concen: 19.673 ug/l

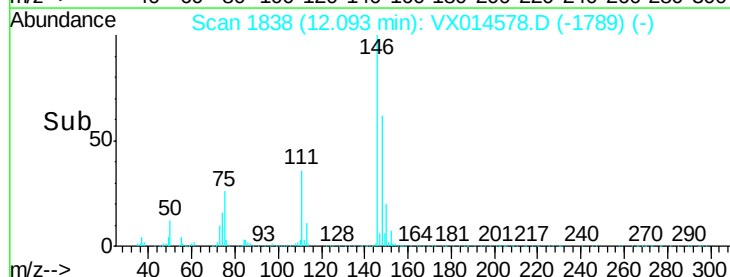
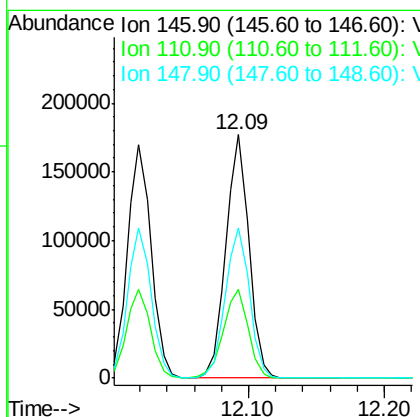
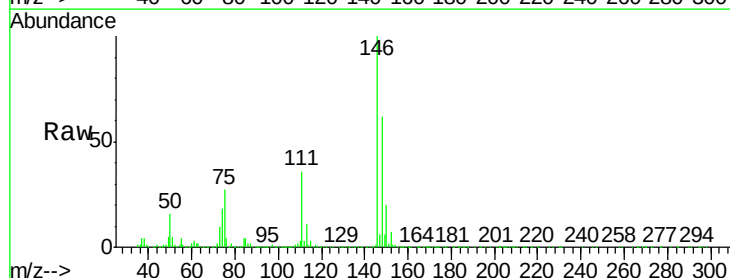
RT: 12.09 min Scan# 1838

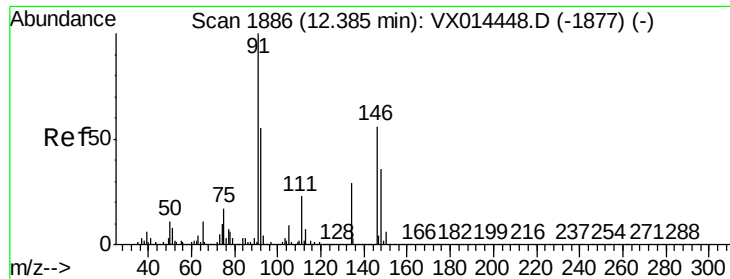
Delta R.T. 0.00 min

Lab File: VX014578.D

Acq: 13 Jan 2020 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	208304		
111	39.3	18.1	54.1	
148	64.6	32.1	96.3	





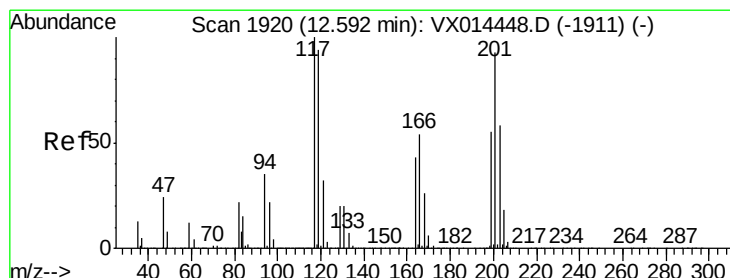
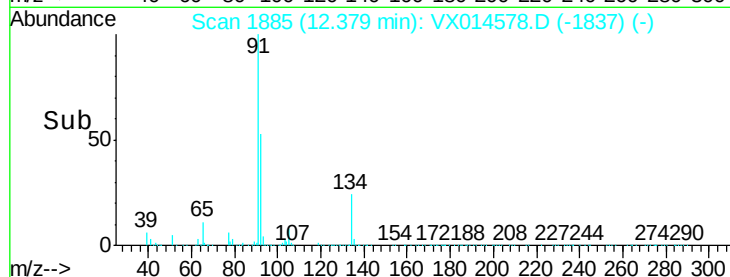
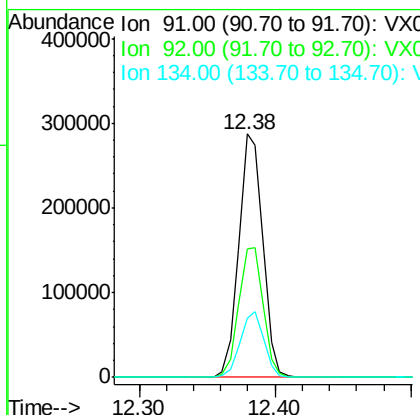
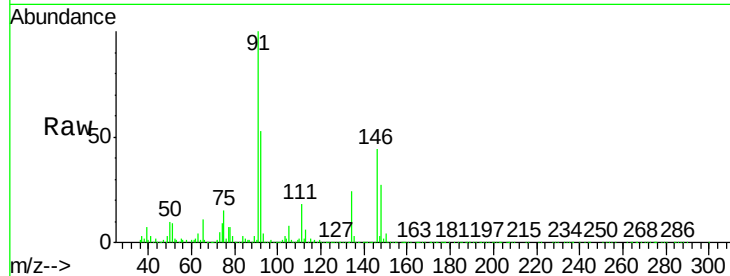
#89
n-Butylbenzene
Concen: 19.056 ug/l
RT: 12.38 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VX014578.D
Acq: 13 Jan 2020 11:47

Instrument :
MSVOA_X
ClientSampleId :
VX0113WBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	350701		
92	54.3	27.4	82.2	
134	26.7	13.9	41.7	

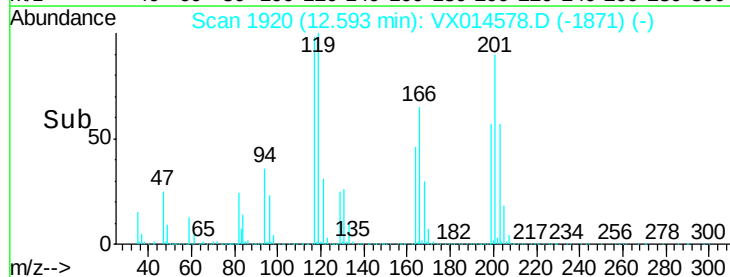
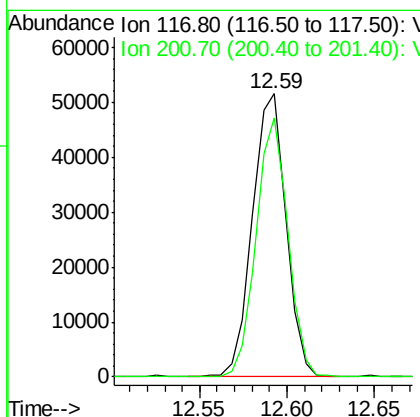
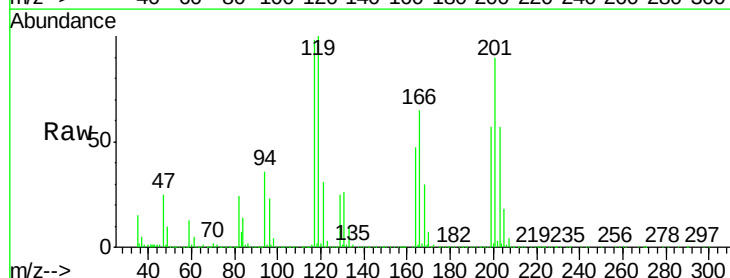
Manual Integrations
APPROVED

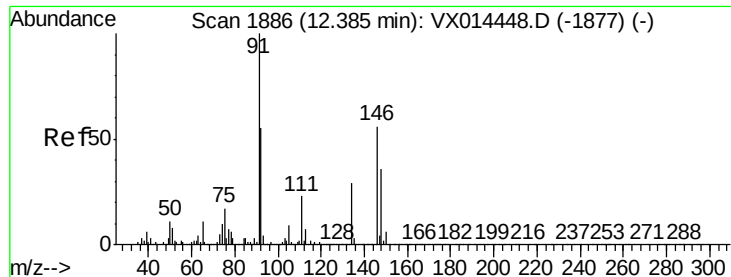
MMDadoda
1/14/2020 3:08:54 PM



#90
Hexachloroethane
Concen: 19.530 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX014578.D
Acq: 13 Jan 2020 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	69053		
201	87.2	44.8	134.3	





#91

1,2-Dichlorobenzene

Concen: 19.265 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX014578.D

Acq: 13 Jan 2020 11:47

Instrument :

MSVOA_X

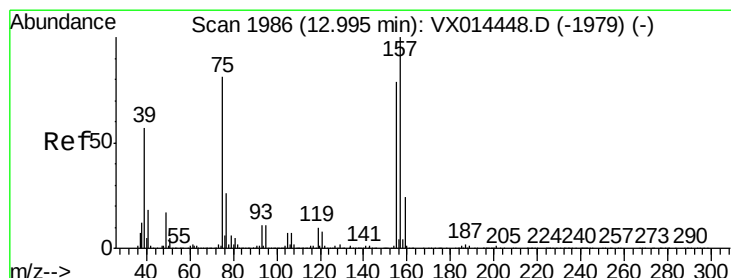
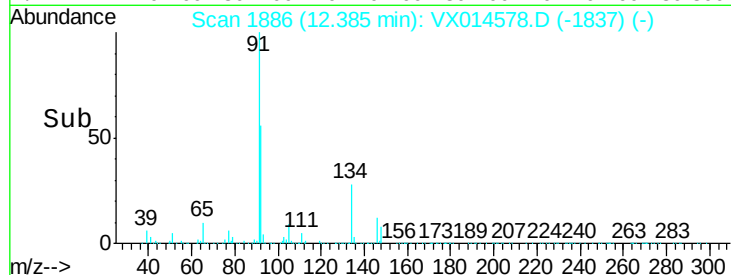
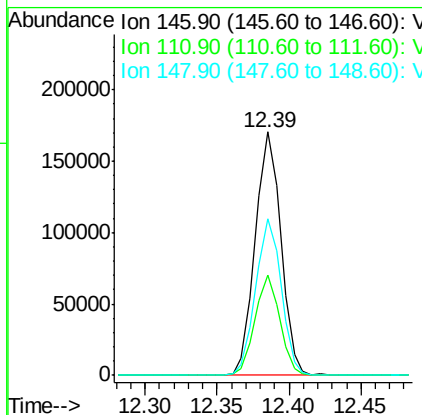
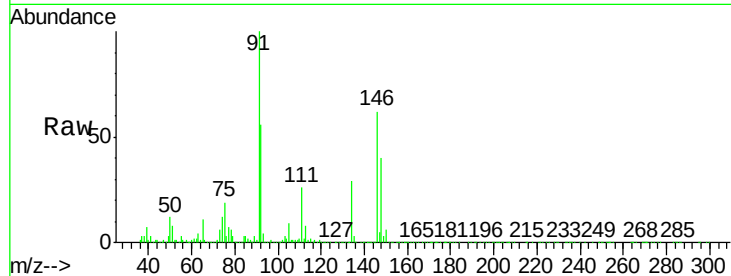
ClientSampleId :

VX0113WBS01

Tot Ion:	146	Resp:	208945
Ion Ratio	Lower	Upper	
146	100		
111	39.7	19.8	59.4
148	64.4	32.3	96.8

Manual Integrations
APPROVED

MMDadoda
1/14/2020 3:08:54 PM



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.890 ug/l

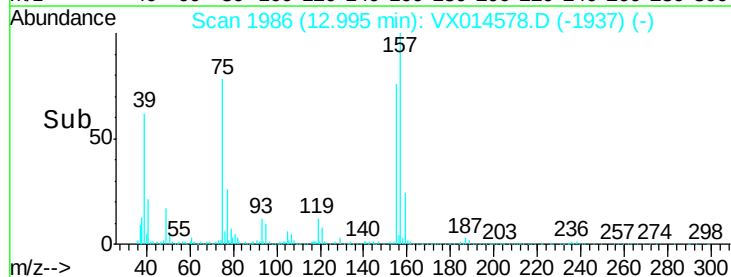
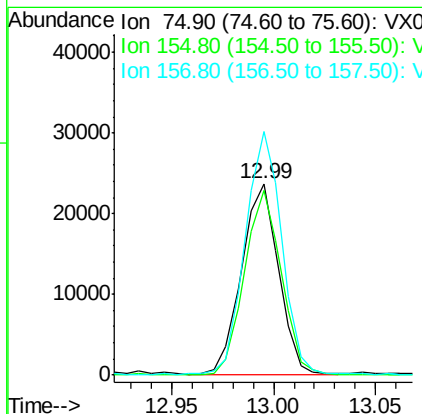
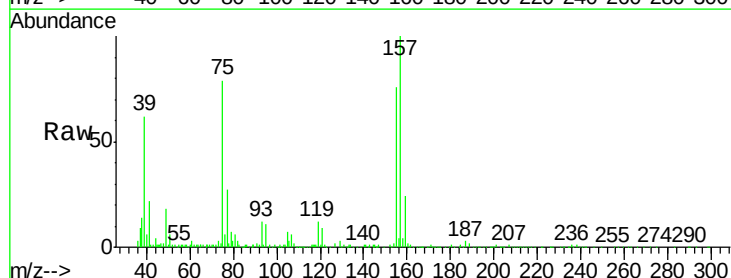
RT: 12.99 min Scan# 1986

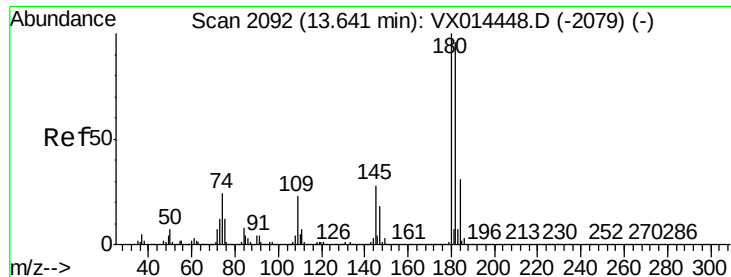
Delta R.T. 0.00 min

Lab File: VX014578.D

Acq: 13 Jan 2020 11:47

Tgt Ion:	75	Resp:	30310
Ion Ratio	Lower	Upper	
75	100		
155	95.0	48.7	146.1
157	125.6	62.0	185.9





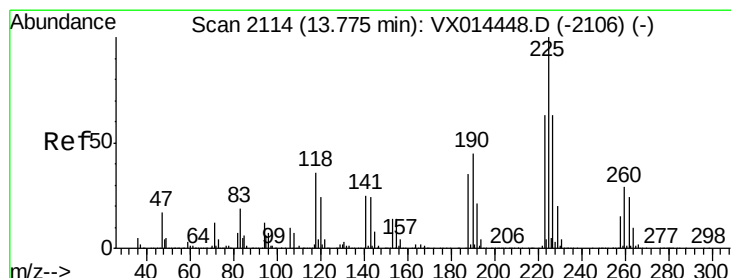
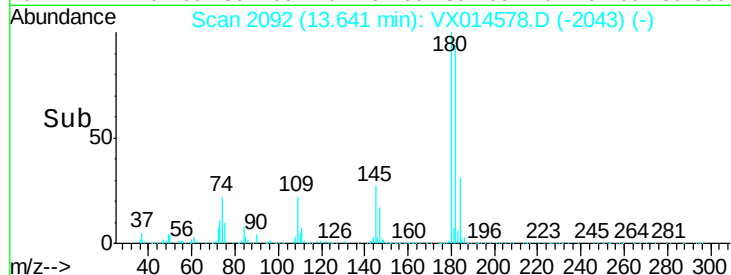
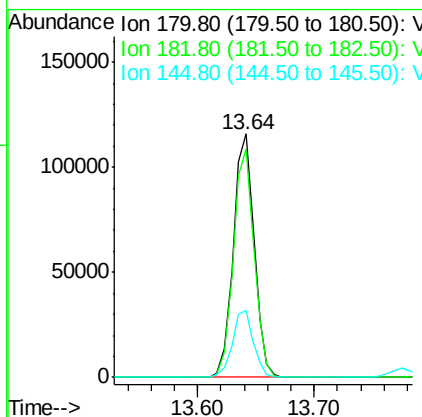
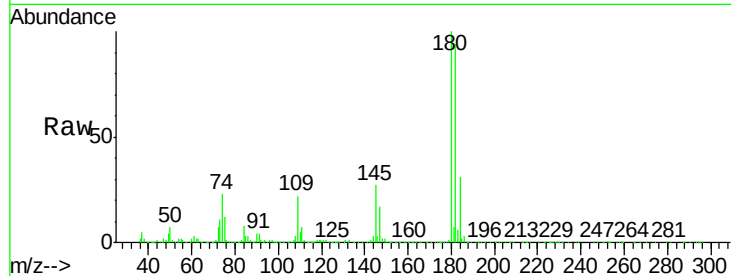
#93
 1,2,4-Trichlorobenzene
 Concen: 18.966 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX014578.D
 Acq: 13 Jan 2020 11:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0113WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	144904		
182	93.3	47.5	142.5	
145	27.7	13.9	41.6	

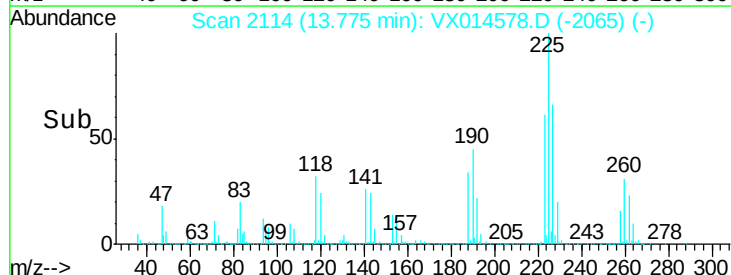
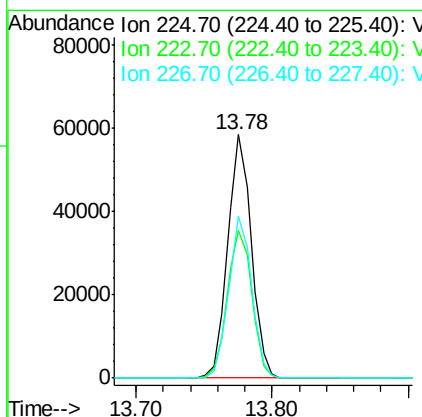
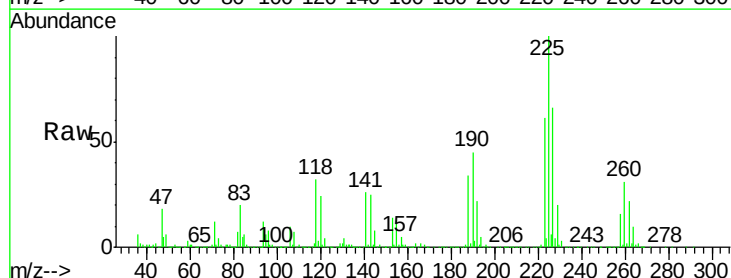
Manual Integrations
 APPROVED

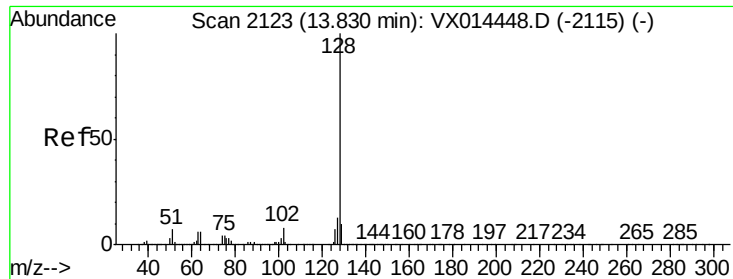
MMDadoda
 1/14/2020 3:08:54 PM



#94
 Hexachlorobutadiene
 Concen: 19.798 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VX014578.D
 Acq: 13 Jan 2020 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	70451		
223	63.3	31.1	93.2	
227	65.0	31.4	94.2	





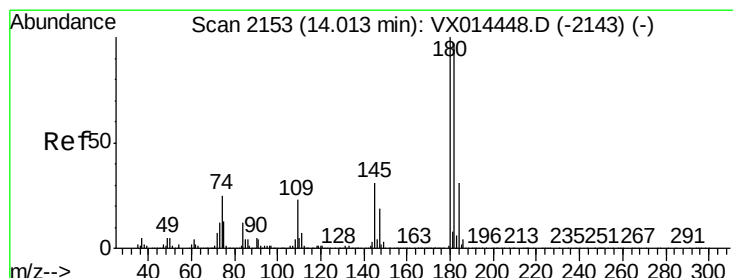
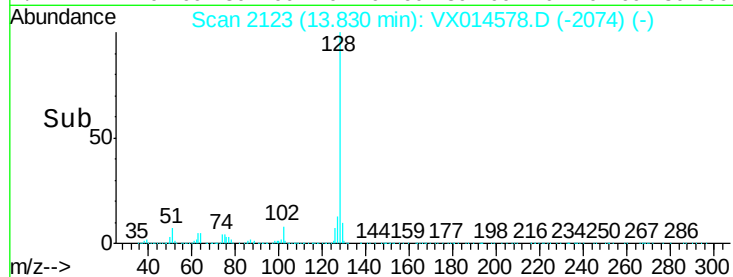
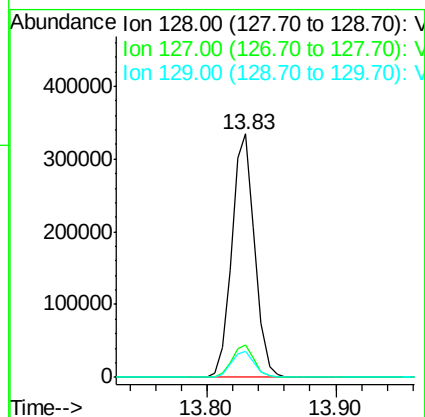
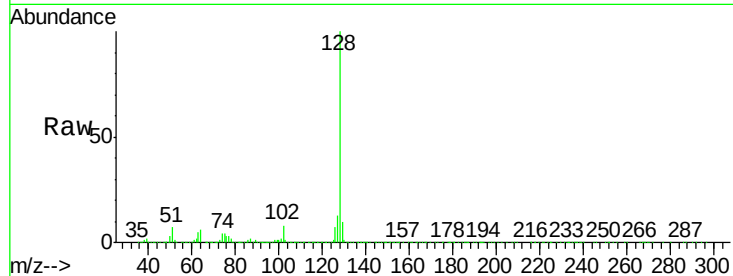
#95
Naphthalene
Concen: 17.537 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX014578.D
Acq: 13 Jan 2020 11:47

Instrument :
MSVOA_X
ClientSampleId :
VX0113WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.3	15.5
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
1/14/2020 3:08:54 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.159 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. 0.00 min
Lab File: VX014578.D
Acq: 13 Jan 2020 11:47

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.8	47.9	143.6
145	29.6	14.8	44.3

