

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX022720\
 Data File : VX015036.D
 Acq On : 27 Feb 2020 10:33
 Operator : JC/SP
 Sample : VX0227WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0227WBS02

Manual Integrations
 APPROVED

MMDadoda
 2/28/2020 11:28:46 AM

Quant Time: Feb 27 11:01:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X021020W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 10 12:09:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	446950	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	660152	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	610541	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	324820	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	233552	46.30	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	92.60%	
35) Dibromofluoromethane	5.48	113	192402	47.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.82%	
50) Toluene-d8	8.71	98	743418	47.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.98%	
62) 4-Bromofluorobenzene	11.13	95	274093	49.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	74123	17.512	ug/l	100
3) Chloromethane	1.32	50	92048	19.182	ug/l	99
4) Vinyl Chloride	1.40	62	94507	18.282	ug/l	96
5) Bromomethane	1.64	94	56931	17.014	ug/l	100
6) Chloroethane	1.72	64	61762	18.672	ug/l	97
7) Trichlorofluoromethane	1.92	101	124469	17.233	ug/l	97
8) Diethyl Ether	2.18	74	53163	17.750	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.37	101	80349	19.165	ug/l	98
10) Methyl Iodide	2.50	142	76370	19.281	ug/l	99
11) Tert butyl alcohol	3.02	59	90560	101.682	ug/l	97
12) 1,1-Dichloroethene	2.37	96	75054	18.320	ug/l	97
13) Acrolein	2.28	56	51277	75.541	ug/l	100
14) Allyl chloride	2.72	41	135695	18.682	ug/l	97
15) Acrylonitrile	3.12	53	232358	102.914	ug/l	99
16) Acetone	2.43	43	258018	88.149	ug/l	99
17) Carbon Disulfide	2.56	76	183218	16.007	ug/l	99
18) Methyl Acetate	2.76	43	111734	21.994	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	256560	19.243	ug/l	97
20) Methylene Chloride	2.84	84	86539	17.834	ug/l	98
21) trans-1,2-Dichloroethene	3.15	96	81871	18.111	ug/l	97
22) Diisopropyl ether	3.84	45	280413	20.214	ug/l	97
23) Vinyl Acetate	3.80	43	1158085	101.269	ug/l	99
24) 1,1-Dichloroethane	3.69	63	152053	19.421	ug/l	100
25) 2-Butanone	4.65	43	341023	99.306	ug/l	99
26) 2,2-Dichloropropane	4.57	77	121140	17.954	ug/l	98
27) cis-1,2-Dichloroethene	4.58	96	96020	19.002	ug/l	99
28) Bromochloromethane	5.00	49	65282	21.512	ug/l	96
29) Tetrahydrofuran	5.11	42	200585	102.751	ug/l	99
30) Chloroform	5.20	83	151067	19.448	ug/l	98
31) Cyclohexane	5.56	56	131123	18.388	ug/l	97
32) 1,1,1-Trichloroethane	5.48	97	124822	18.370	ug/l	99
36) 1,1-Dichloropropene	5.79	75	110569	18.724	ug/l	99
37) Ethyl Acetate	4.81	43	124992	20.294	ug/l	100
38) Carbon Tetrachloride	5.77	117	106424	18.493	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX022720\
 Data File : VX015036.D
 Acq On : 27 Feb 2020 10:33
 Operator : JC/SP
 Sample : VX0227WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0227WBS02

Manual Integrations
 APPROVED

MMDadoda
 2/28/2020 11:28:46 AM

Quant Time: Feb 27 11:01:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X021020W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 10 12:09:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	132838	17.987	ug/l	98
40) Benzene	6.13	78	343749	19.483	ug/l	98
41) Methacrylonitrile	5.02	41	68015	20.499	ug/l	98
42) 1,2-Dichloroethane	6.17	62	119283	18.705	ug/l	98
43) Isopropyl Acetate	6.43	43	199524	19.638	ug/l	100
44) Trichloroethene	7.20	130	97451	19.026	ug/l	97
45) 1,2-Dichloropropane	7.50	63	88064	19.571	ug/l	99
46) Dibromomethane	7.65	93	57914	18.829	ug/l	98
47) Bromodichloromethane	7.89	83	115966	19.015	ug/l	99
48) Methyl methacrylate	7.76	41	98793	19.758	ug/l	98
49) 1,4-Dioxane	7.73	88	38926	416.375	ug/l	96
51) 4-Methyl-2-Pentanone	8.63	43	634538	103.430	ug/l	99
52) Toluene	8.78	92	215752	19.253	ug/l	100
53) t-1,3-Dichloropropene	9.03	75	128446	19.218	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	138952	18.819	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	88610	19.544	ug/l	98
56) Ethyl methacrylate	9.17	69	135768	19.923	ug/l	97
57) 1,3-Dichloropropane	9.36	76	150810	19.760	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.30	63	346986	97.358	ug/l	98
59) 2-Hexanone	9.48	43	501085	103.913	ug/l	99
60) Dibromochloromethane	9.57	129	93659	19.196	ug/l	99
61) 1,2-Dibromoethane	9.67	107	93227	19.057	ug/l	100
64) Tetrachloroethene	9.33	164	96707	16.941	ug/l	98
65) Chlorobenzene	10.13	112	237693	19.195	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	87934	19.559	ug/l	100
67) Ethyl Benzene	10.25	91	410204	19.478	ug/l	100
68) m/p-Xylenes	10.35	106	315414	38.877	ug/l	99
69) o-Xylene	10.69	106	149641	19.187	ug/l	98
70) Styrene	10.71	104	261343	19.808	ug/l	99
71) Bromoform	10.85	173	70939	18.904	ug/l #	100
73) Isopropylbenzene	11.01	105	411396	20.196	ug/l	100
74) N-amyl acetate	10.89	43	167813	19.827	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	136867	20.555	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	114787m	19.542	ug/l	
77) Bromobenzene	11.25	156	108452	19.075	ug/l	99
78) n-propylbenzene	11.35	91	468222	19.874	ug/l	100
79) 2-Chlorotoluene	11.42	91	275139	19.865	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	341044	20.038	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	41751	18.194	ug/l	96
82) 4-Chlorotoluene	11.51	91	321948	19.628	ug/l	99
83) tert-Butylbenzene	11.76	119	331382	20.561	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	344599	20.090	ug/l	100
85) sec-Butylbenzene	11.94	105	397372	19.846	ug/l	100
86) p-Isopropyltoluene	12.06	119	375029	20.016	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	193429	18.964	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	199438	19.148	ug/l	99
89) n-Butylbenzene	12.39	91	327807	19.535	ug/l	99
90) Hexachloroethane	12.59	117	64552	19.728	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	191491	19.145	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.99	75	28528	18.262	ug/l	97

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX022720\
Data File : VX015036.D
Acq On : 27 Feb 2020 10:33
Operator : JC/SP
Sample : VX0227WBS02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0227WBS02

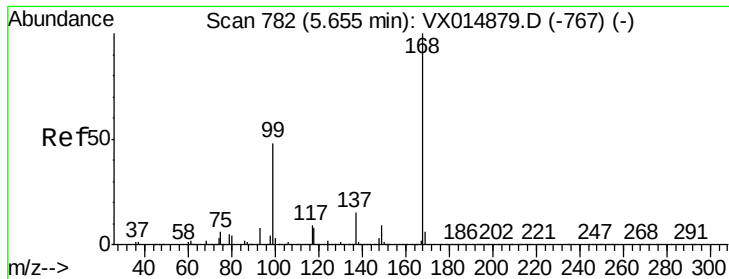
Manual Integrations
APPROVED

MMDadoda
2/28/2020 11:28:46 AM

Quant Time: Feb 27 11:01:48 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X021020W.M
Quant Title : SW846 8260
QLast Update : Mon Feb 10 12:09:20 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	139027	18.831	ug/l	97
94) Hexachlorobutadiene	13.78	225	70786	19.823	ug/l	98
95) Naphthalene	13.83	128	387512	19.741	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	135018	18.929	ug/l	96

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



#1

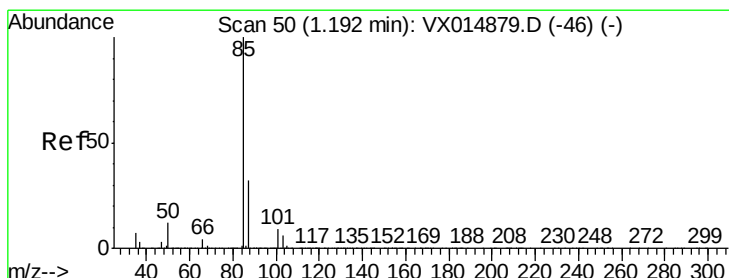
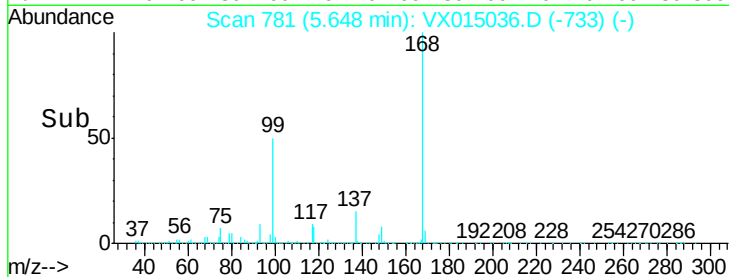
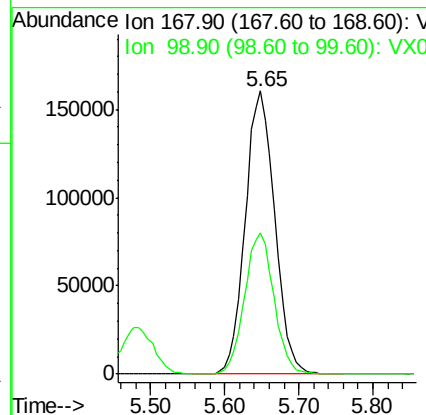
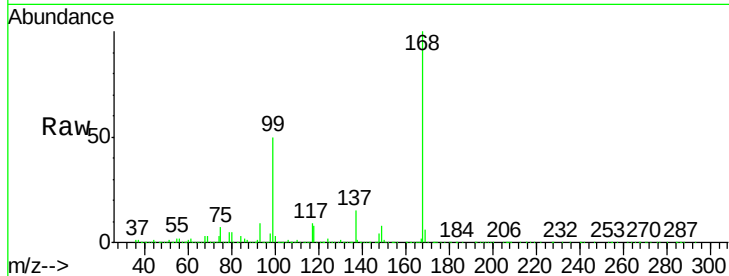
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.01 min
 Lab File: VX015036.D
 Acq: 27 Feb 2020 10:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0227WBS02

Tot Ion	Ratio	Resp	Lower	Upper
168	100	446950		
99	49.6	38.7	58.1	

Manual Integrations
 APPROVED

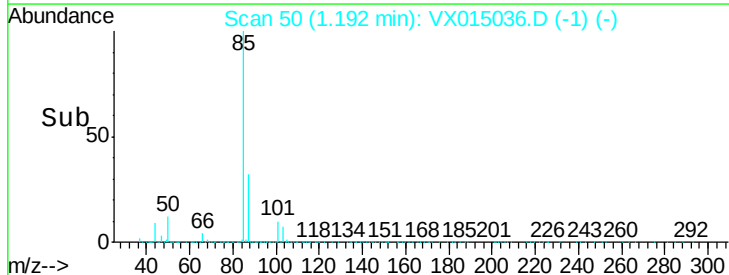
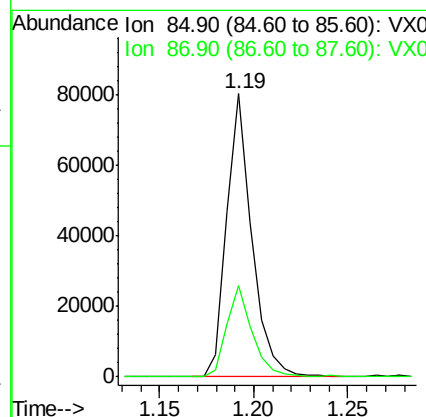
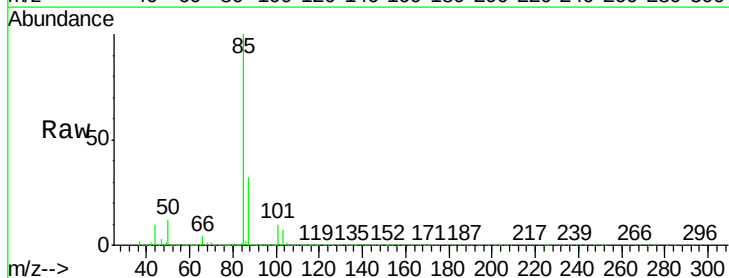
MMDadoda
 2/28/2020 11:28:46 AM

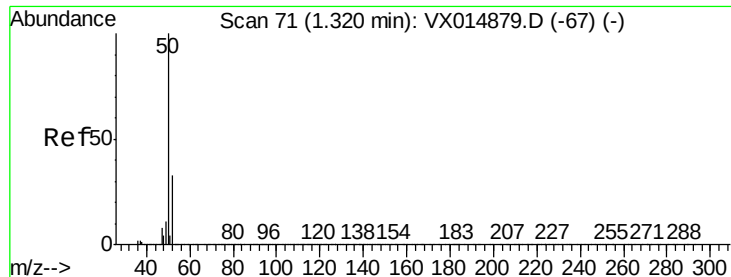


#2

Dichlorodifluoromethane
 Concen: 17.512 ug/l
 RT: 1.19 min Scan# 50
 Delta R.T. -0.00 min
 Lab File: VX015036.D
 Acq: 27 Feb 2020 10:33

Tgt Ion	Ratio	Resp	Lower	Upper
85	100	74123		
87	32.1	16.1	48.2	





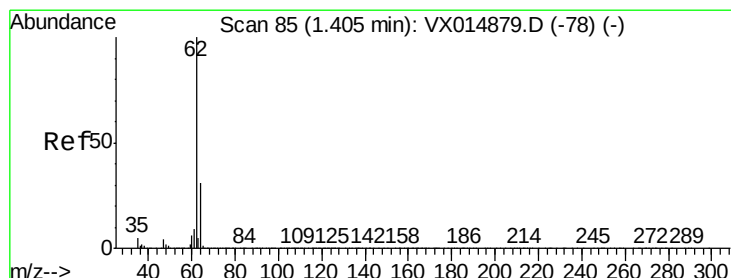
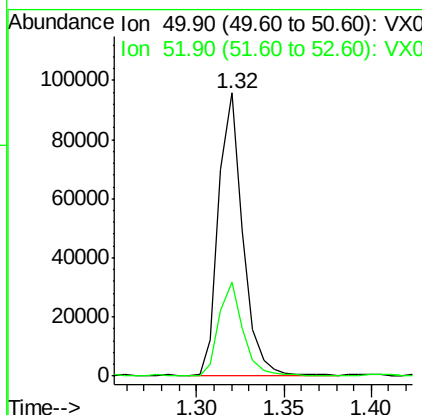
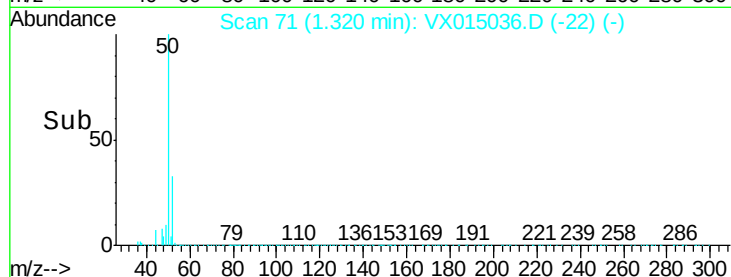
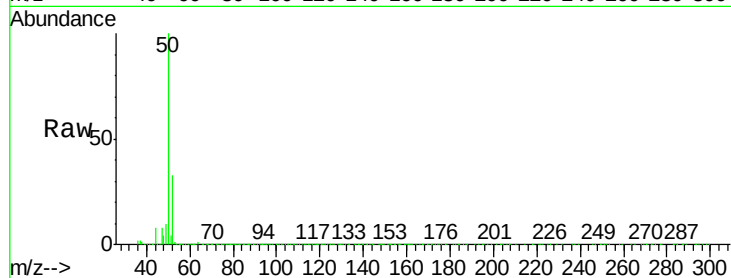
#3
Chloromethane
Concen: 19.182 ug/l
RT: 1.32 min Scan# 71
Delta R.T. -0.00 min
Lab File: VX015036.D
Acq: 27 Feb 2020 10:33

Instrument :
MSVOA_X
ClientSampleId :
VX0227WBS02

Tot Ion	Ratio	Lower	Upper
50	100		
52	33.2	26.2	39.2

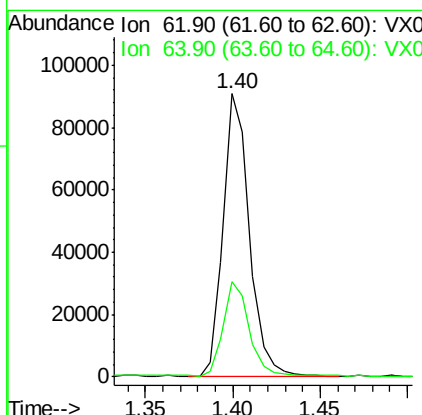
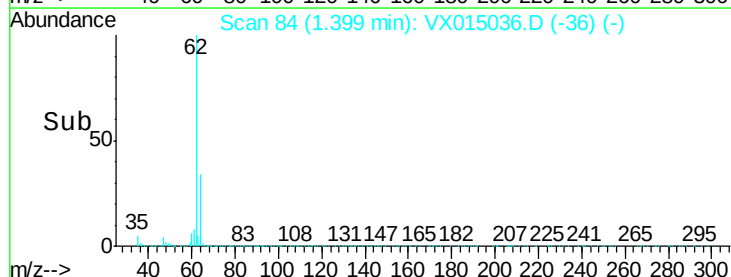
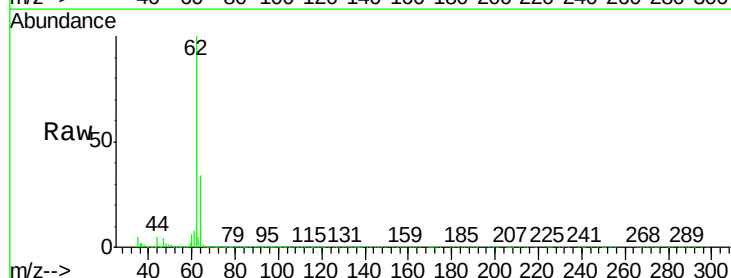
Manual Integrations
APPROVED

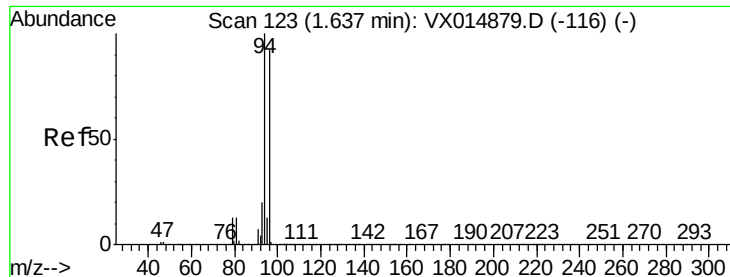
MMDadoda
2/28/2020 11:28:46 AM



#4
Vinyl Chloride
Concen: 18.282 ug/l
RT: 1.40 min Scan# 84
Delta R.T. -0.01 min
Lab File: VX015036.D
Acq: 27 Feb 2020 10:33

Tgt Ion	Ratio	Lower	Upper
62	100		
64	33.4	24.8	37.2





#5

Bromomethane

Concen: 17.014 ug/l

RT: 1.64 min Scan# 123

Delta R.T. -0.00 min

Lab File: VX015036.D

Acq: 27 Feb 2020 10:33

Instrument :

MSVOA_X

ClientSampleId :

VX0227WBS02

Tot Ion: 94 Resp: 56931

Ion Ratio Lower Upper

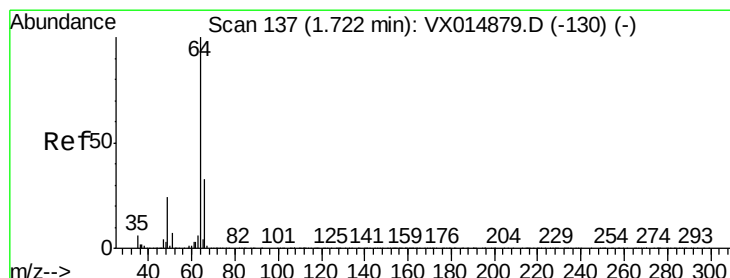
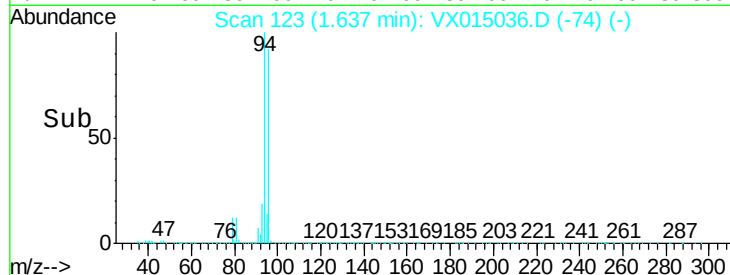
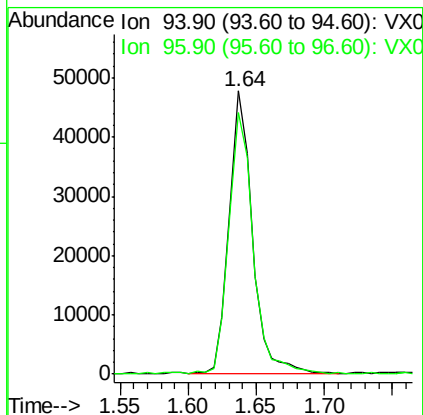
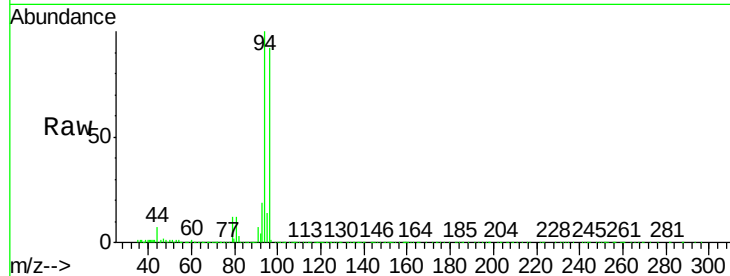
94 100

96 92.1 73.7 110.5

Manual Integrations
APPROVED

MMDadoda

2/28/2020 11:28:46 AM



#6

Chloroethane

Concen: 18.672 ug/l

RT: 1.72 min Scan# 137

Delta R.T. -0.00 min

Lab File: VX015036.D

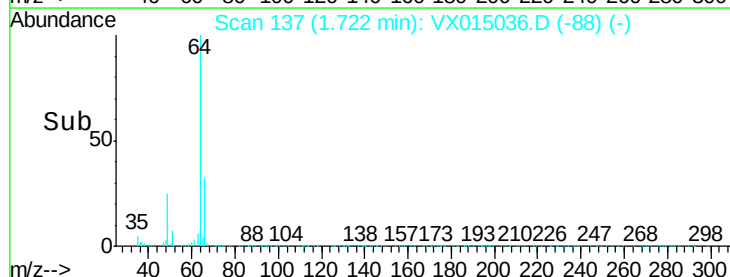
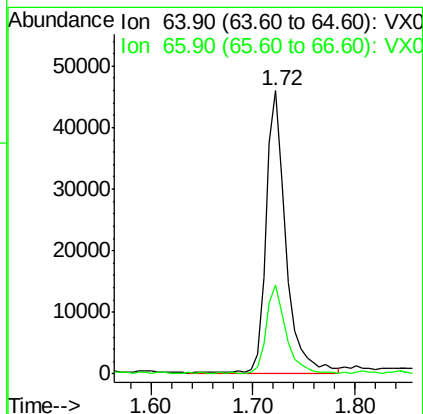
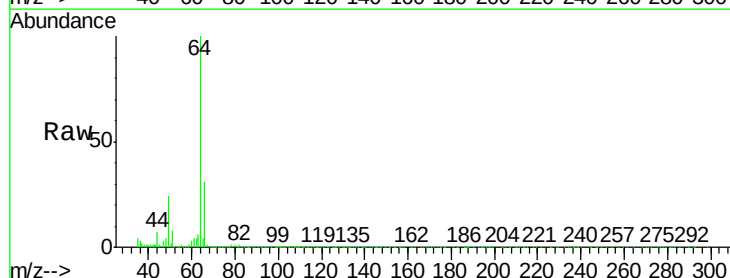
Acq: 27 Feb 2020 10:33

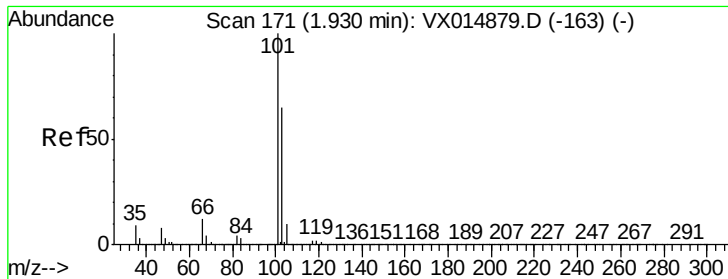
Tgt Ion: 64 Resp: 61762

Ion Ratio Lower Upper

64 100

66 31.1 26.2 39.4





#7

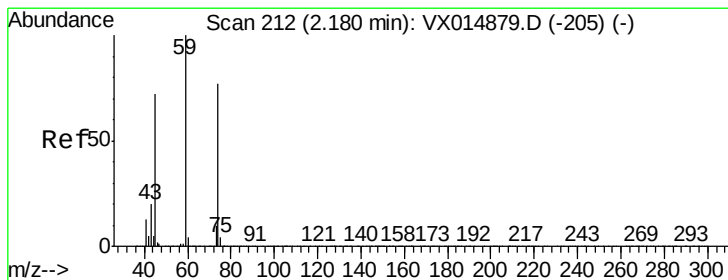
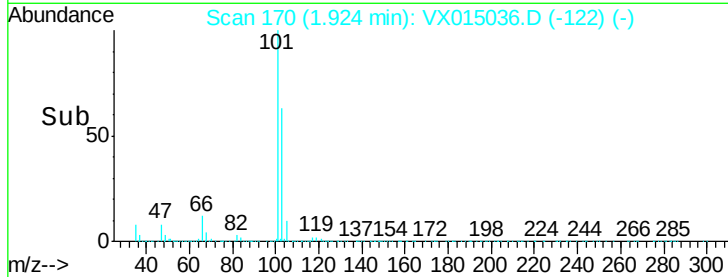
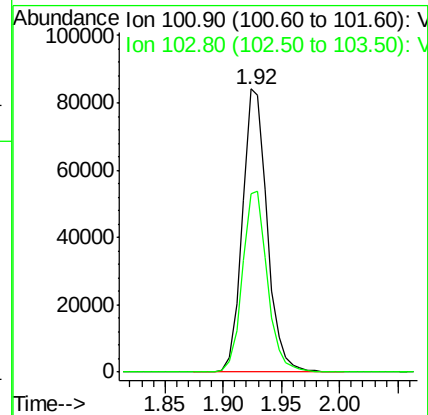
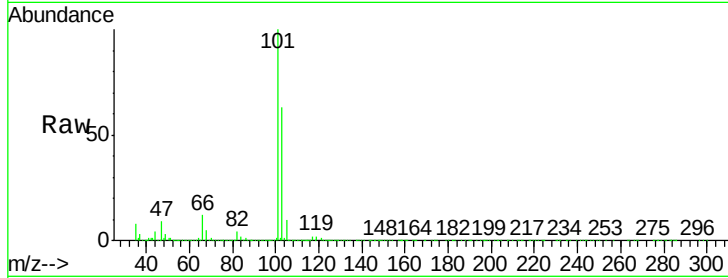
Trichlorofluoromethane
 Concen: 17.233 ug/l
 RT: 1.92 min Scan# 170
 Delta R.T. -0.01 min
 Lab File: VX015036.D
 Acq: 27 Feb 2020 10:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0227WBS02

Tot Ion	Ratio	Resp	Lower	Upper
101	100	124469		
103	63.1	52.2	78.4	

Manual Integrations
 APPROVED

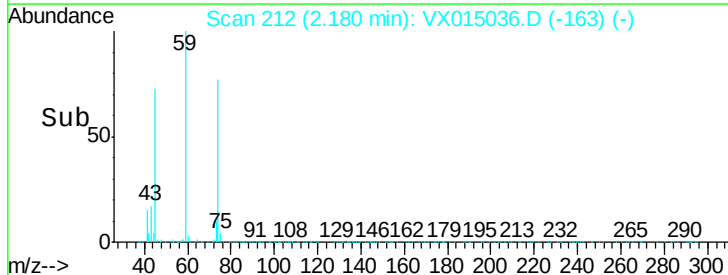
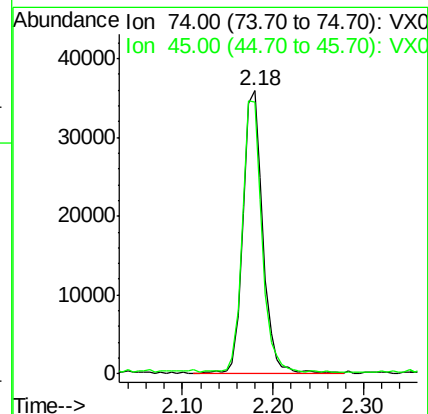
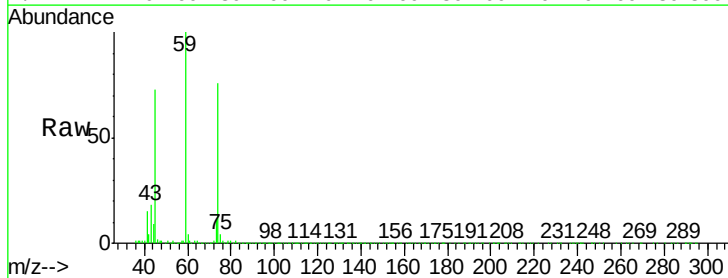
MMDadoda
 2/28/2020 11:28:46 AM

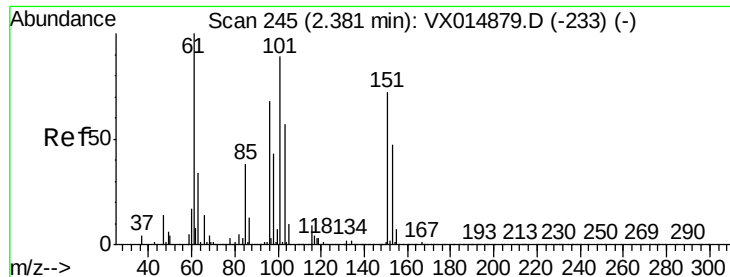


#8

Diethyl Ether
 Concen: 17.750 ug/l
 RT: 2.18 min Scan# 212
 Delta R.T. -0.00 min
 Lab File: VX015036.D
 Acq: 27 Feb 2020 10:33

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	53163		
45	96.6	46.6	139.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.165 ug/l

RT: 2.37 min Scan# 244

Delta R.T. -0.01 min

Lab File: VX015036.D

Acq: 27 Feb 2020 10:33

Instrument :

MSVOA_X

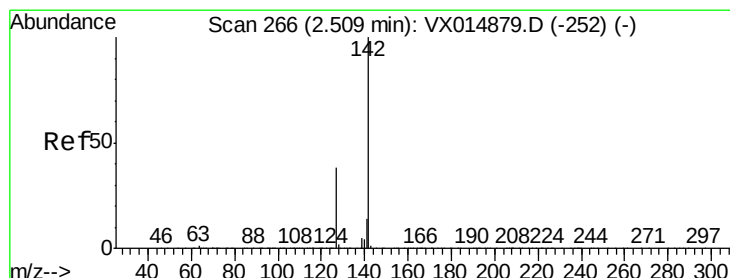
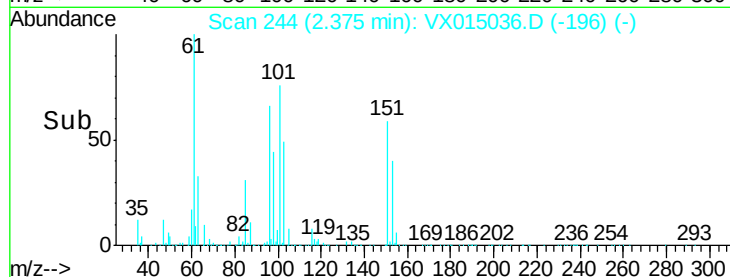
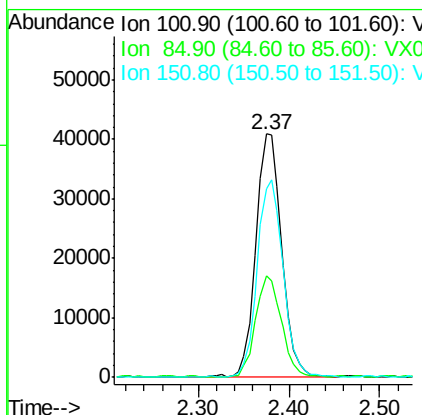
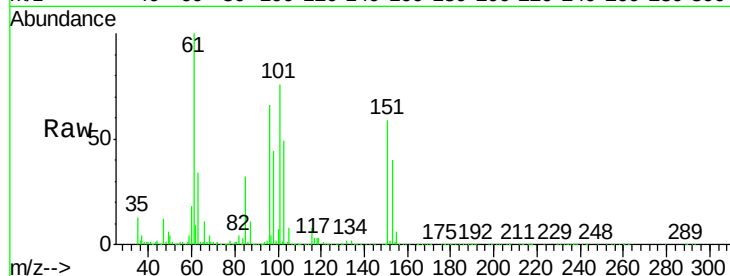
ClientSampleId :

VX0227WBS02

Tot Ion:	101	Resp:	80349
Ion Ratio	Lower	Upper	
101	100		
85	42.4	34.1	51.1
151	82.0	67.3	100.9

Manual Integrations
APPROVED

MMDadoda
2/28/2020 11:28:46 AM



#10

Methyl Iodide

Concen: 19.281 ug/l

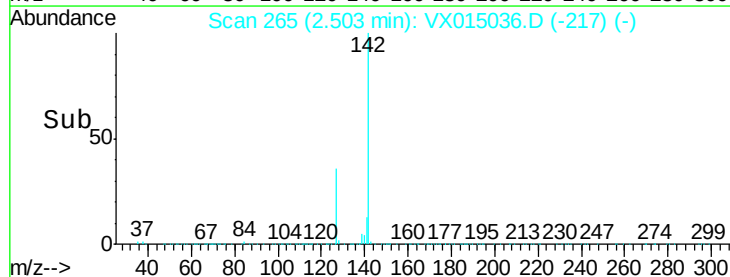
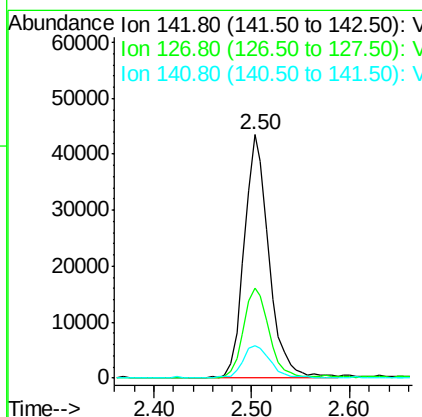
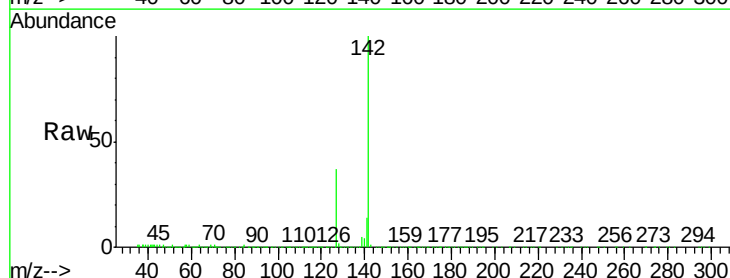
RT: 2.50 min Scan# 265

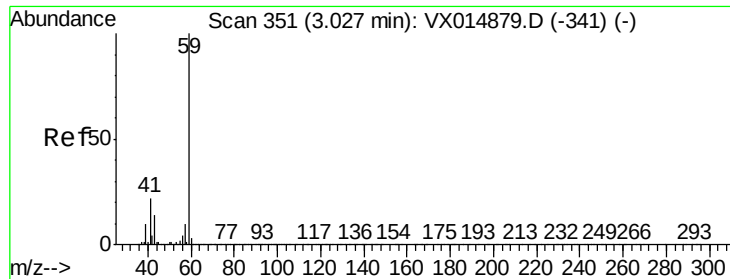
Delta R.T. -0.01 min

Lab File: VX015036.D

Acq: 27 Feb 2020 10:33

Tgt Ion:	142	Resp:	76370
Ion Ratio	Lower	Upper	
142	100		
127	38.6	31.1	46.7
141	15.4	11.3	16.9





#11

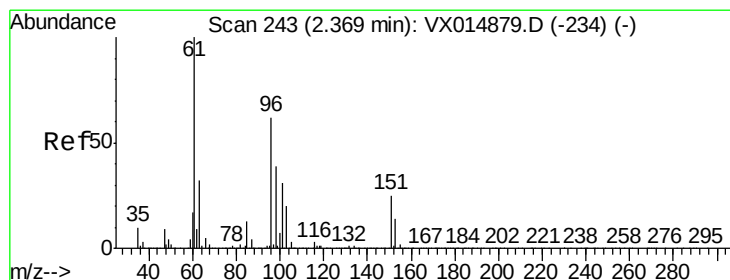
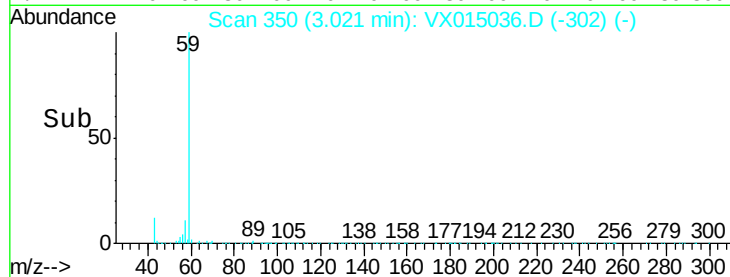
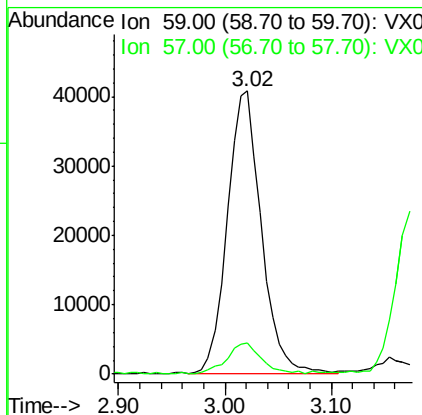
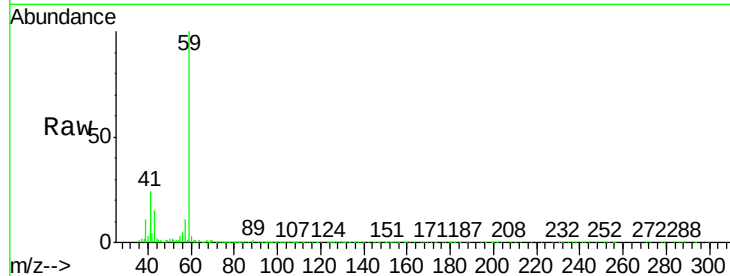
Tert butyl alcohol
Concen: 101.682 ug/l
RT: 3.02 min Scan# 350
Delta R.T. -0.01 min
Lab File: VX015036.D
Acq: 27 Feb 2020 10:33

Instrument :
MSVOA_X
ClientSampleId :
VX0227WBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.5	8.2	12.4

Manual Integrations
APPROVED

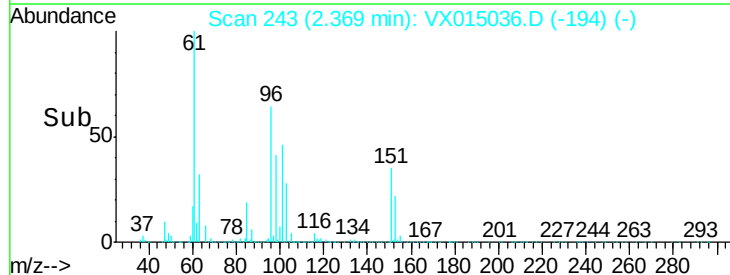
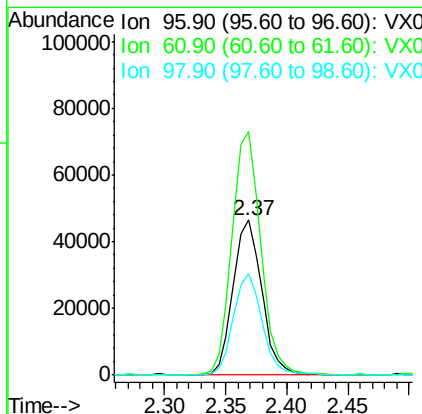
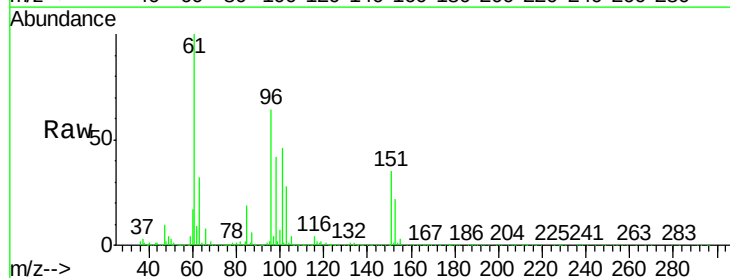
MMDadoda
2/28/2020 11:28:46 AM

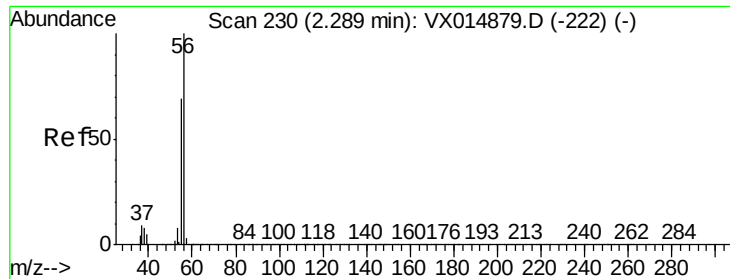


#12

1,1-Dichloroethene
Concen: 18.320 ug/l
RT: 2.37 min Scan# 243
Delta R.T. -0.00 min
Lab File: VX015036.D
Acq: 27 Feb 2020 10:33

Tgt Ion	Ratio	Lower	Upper
96	100		
61	157.3	129.5	194.3
98	65.2	50.6	76.0





#13

Acrolein

Concen: 75.541 ug/l

RT: 2.28 min Scan# 229

Delta R.T. -0.01 min

Lab File: VX015036.D

Acq: 27 Feb 2020 10:33

Instrument :

MSVOA_X

ClientSampleId :

VX0227WBS02

Tot Ion: 56 Resp: 51277

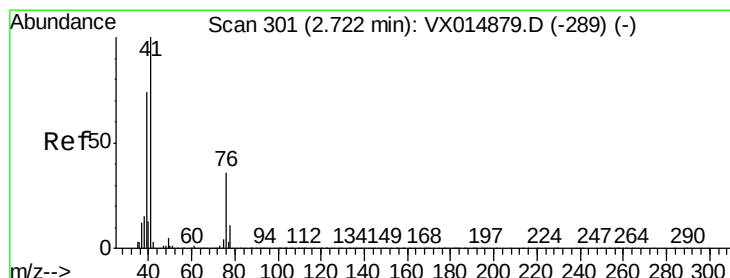
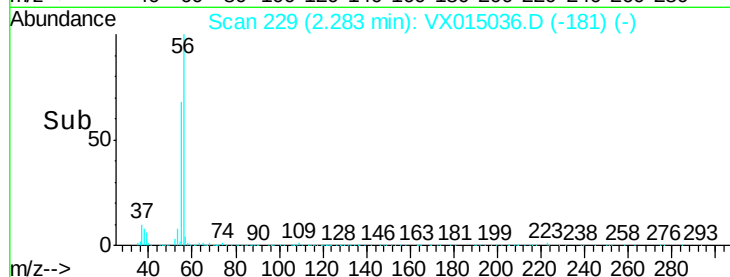
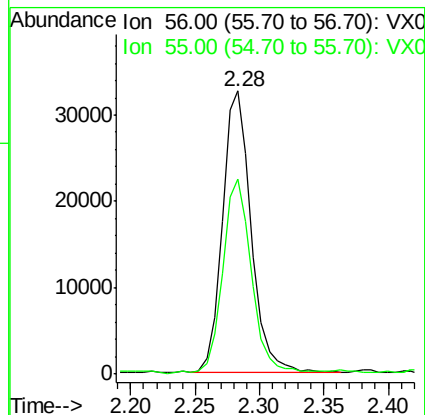
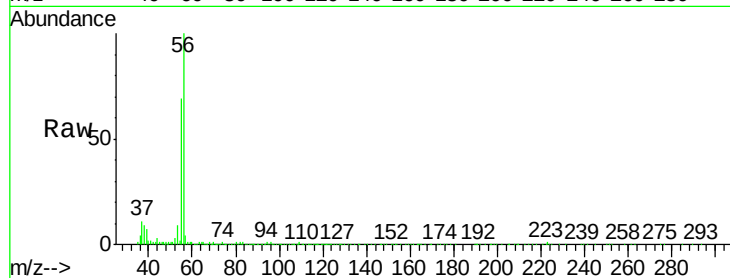
Ion Ratio Lower Upper

56 100

55 68.8 55.0 82.4

Manual Integrations
APPROVED

MMDadoda
2/28/2020 11:28:46 AM



#14

Allyl chloride

Concen: 18.682 ug/l

RT: 2.72 min Scan# 301

Delta R.T. -0.00 min

Lab File: VX015036.D

Acq: 27 Feb 2020 10:33

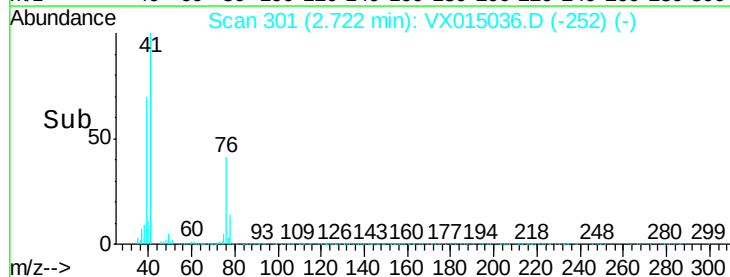
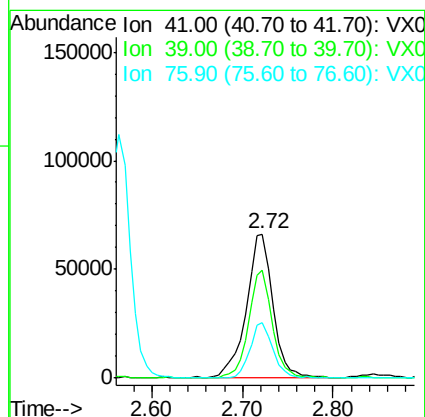
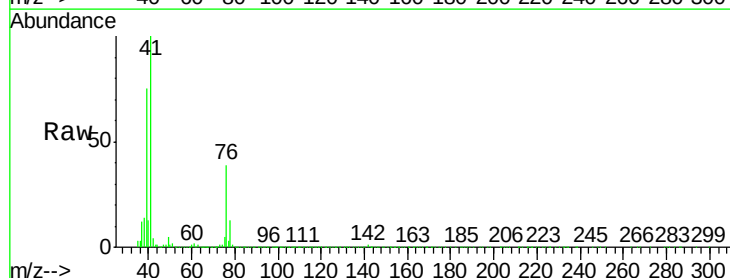
Tgt Ion: 41 Resp: 135695

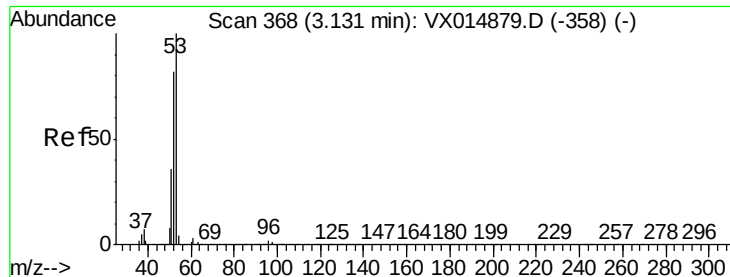
Ion Ratio Lower Upper

41 100

39 66.0 55.2 82.8

76 32.6 26.8 40.2





#15

Acrylonitrile

Concen: 102.914 ug/l

RT: 3.12 min Scan# 367

Delta R.T. -0.01 min

Lab File: VX015036.D

Acq: 27 Feb 2020 10:33

Instrument :

MSVOA_X

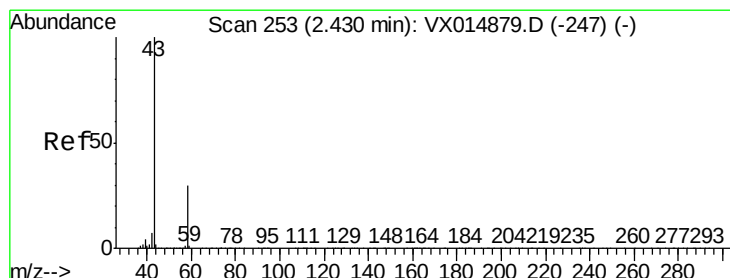
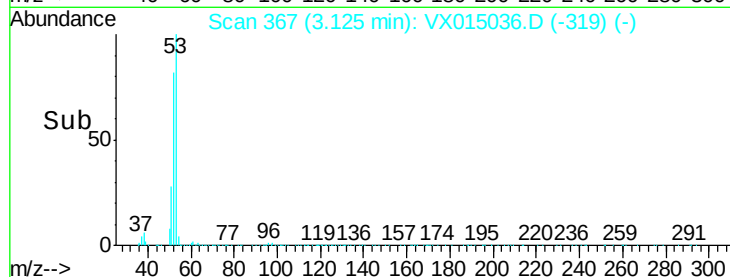
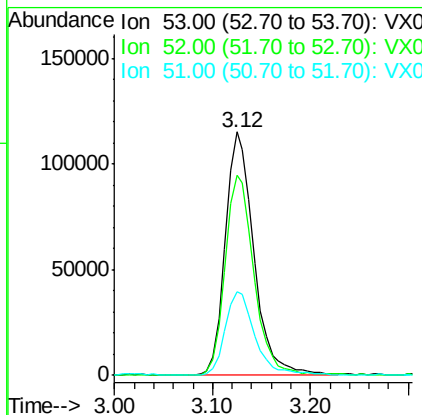
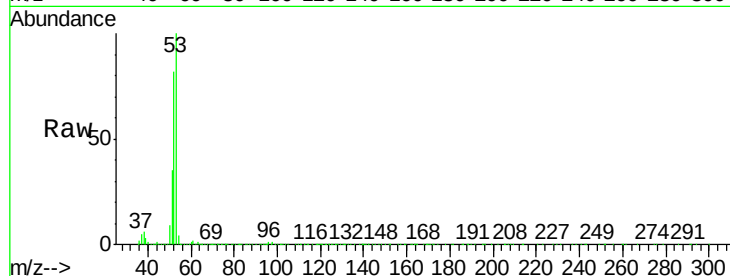
ClientSampleId :

VX0227WBS02

Tot Ion:	53	Resp:	232358
Ion Ratio		Lower	Upper
53	100		
52	82.9	65.8	98.6
51	35.6	29.1	43.7

Manual Integrations
APPROVED

MMDadoda
2/28/2020 11:28:46 AM



#16

Acetone

Concen: 88.149 ug/l

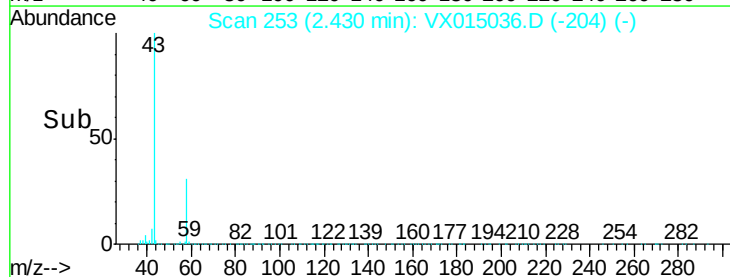
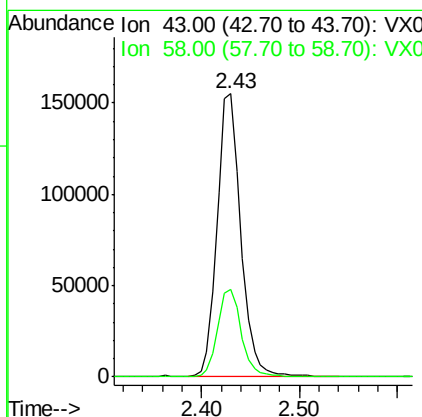
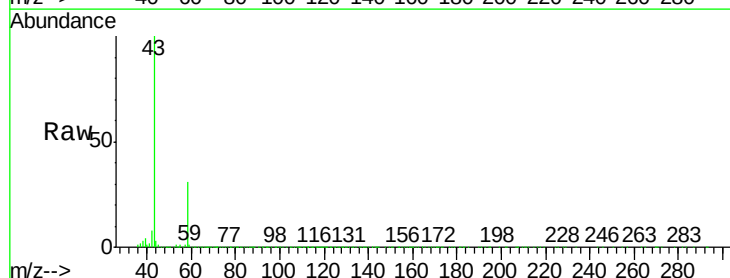
RT: 2.43 min Scan# 253

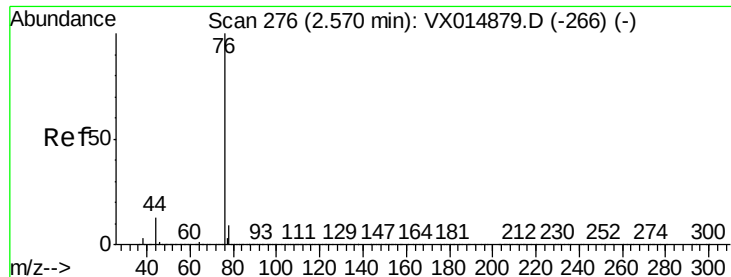
Delta R.T. 0.00 min

Lab File: VX015036.D

Acq: 27 Feb 2020 10:33

Tgt Ion:	43	Resp:	258018
Ion Ratio		Lower	Upper
43	100		
58	30.9	24.1	36.1





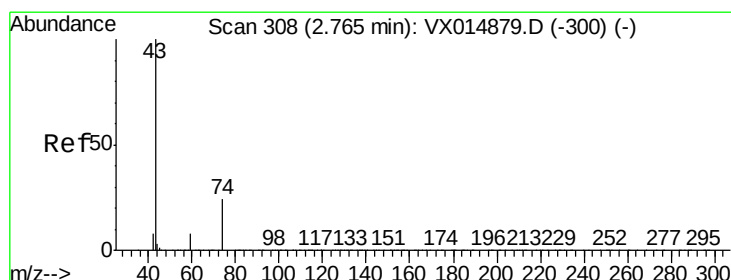
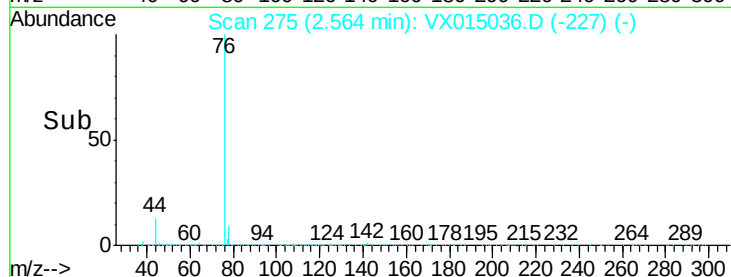
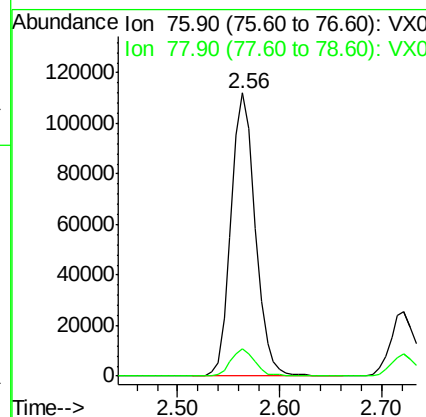
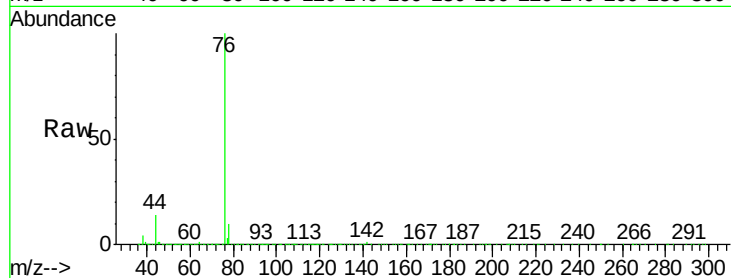
#17
Carbon Disulfide
Concen: 16.007 ug/l
RT: 2.56 min Scan# 275
Delta R.T. -0.01 min
Lab File: VX015036.D
Acq: 27 Feb 2020 10:33

Instrument :
MSVOA_X
ClientSampleId :
VX0227WBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.4	11.0

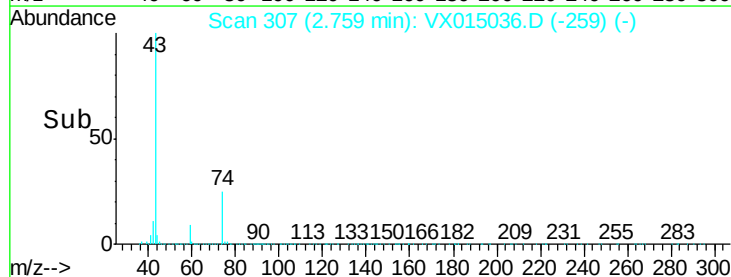
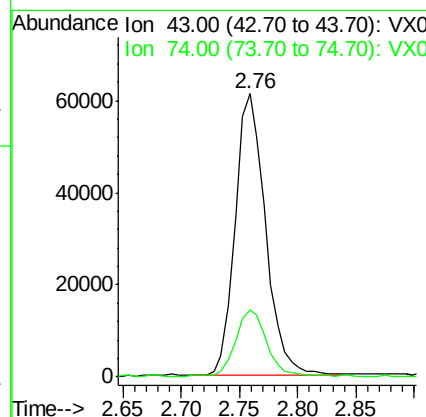
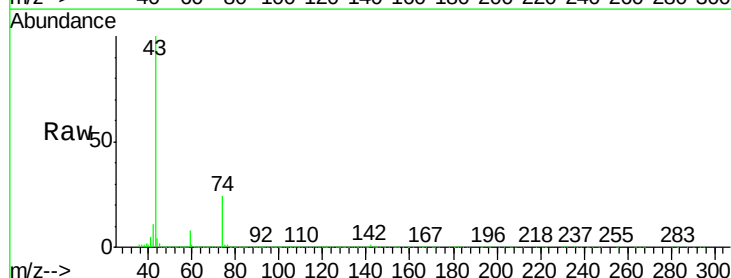
Manual Integrations
APPROVED

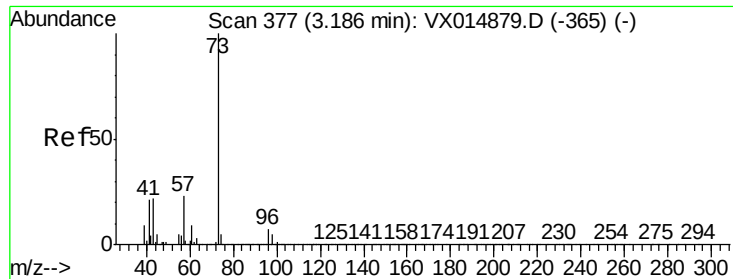
MMDadoda
2/28/2020 11:28:46 AM



#18
Methyl Acetate
Concen: 21.994 ug/l
RT: 2.76 min Scan# 307
Delta R.T. -0.01 min
Lab File: VX015036.D
Acq: 27 Feb 2020 10:33

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.9	19.4	29.0





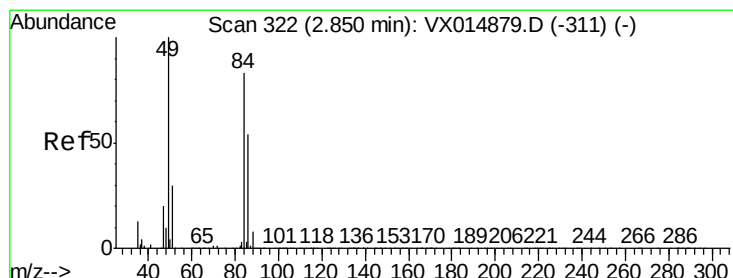
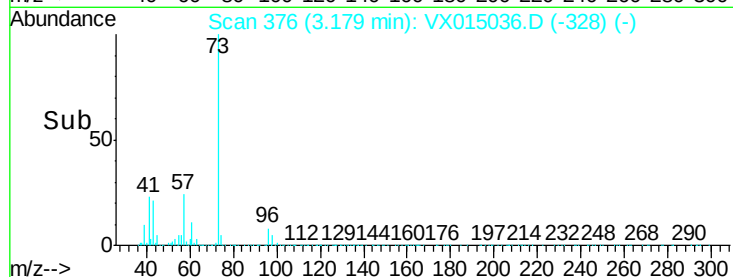
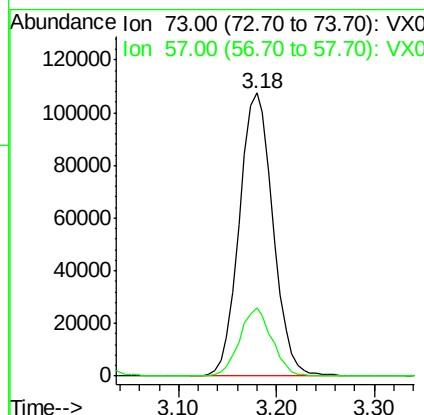
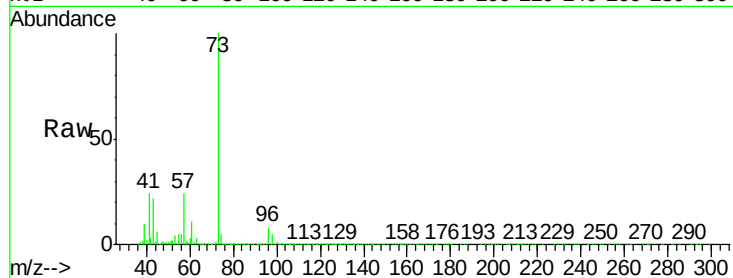
#19
Methyl tert-butyl Ether
Concen: 19.243 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.01 min
Lab File: VX015036.D
Acq: 27 Feb 2020 10:33

Instrument :
MSVOA_X
ClientSampleId :
VX0227WBS02

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.1	18.2	27.4

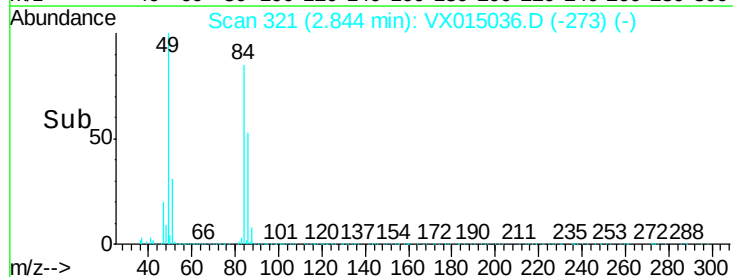
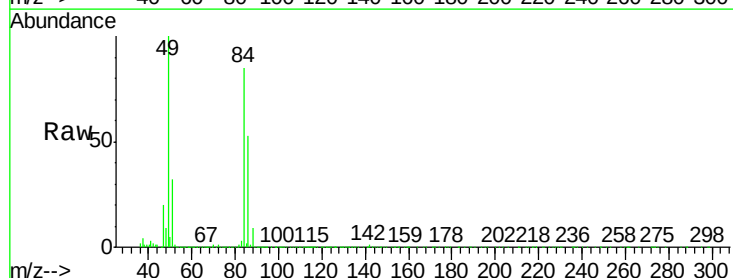
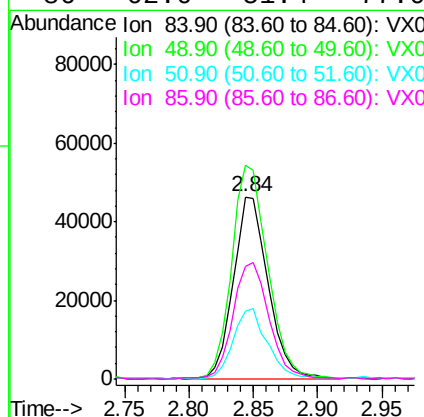
Manual Integrations
APPROVED

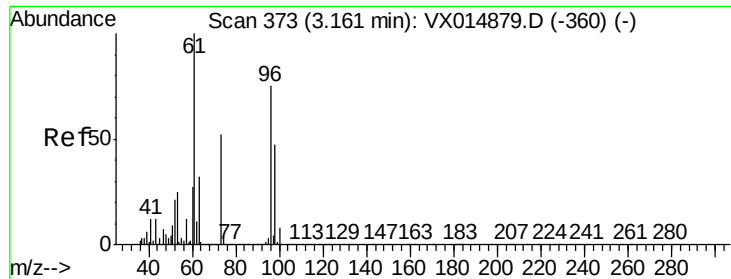
MMDadoda
2/28/2020 11:28:46 AM



#20
Methylene Chloride
Concen: 17.834 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.01 min
Lab File: VX015036.D
Acq: 27 Feb 2020 10:33

Tgt Ion	Ratio	Lower	Upper
84	100		
49	116.9	95.6	143.4
51	36.9	29.0	43.6
86	62.0	51.4	77.0





#21

trans-1,2-Dichloroethene

Concen: 18.111 ug/l

RT: 3.15 min Scan# 372

Delta R.T. -0.01 min

Lab File: VX015036.D

Acq: 27 Feb 2020 10:33

Instrument :

MSVOA_X

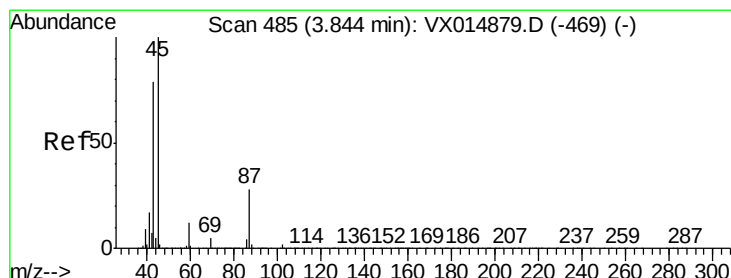
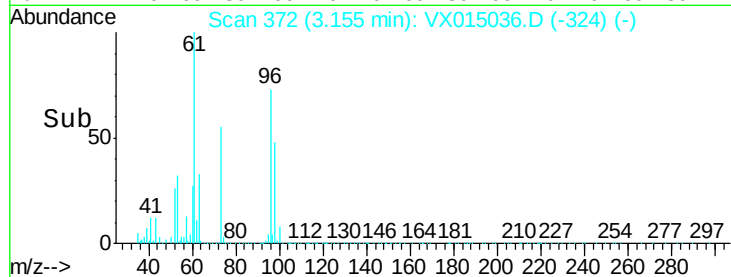
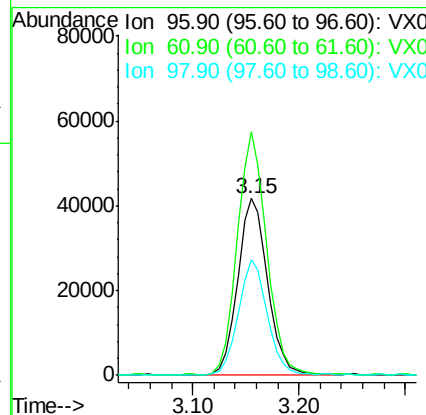
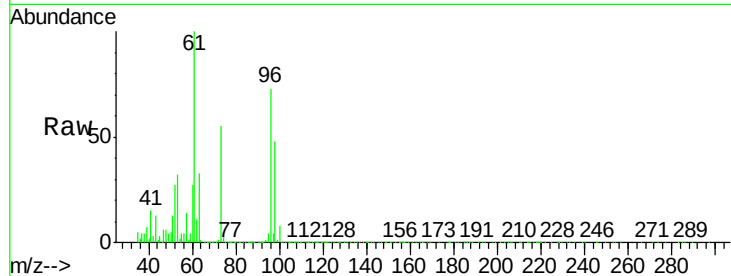
ClientSampleId :

VX0227WBS02

Tot Ion:	96	Resp:	81871
Ion Ratio	Lower	Upper	
96	100		
61	137.5	106.9	160.3
98	65.4	50.7	76.1

Manual Integrations
APPROVED

MMDadoda
2/28/2020 11:28:46 AM



#22

Diisopropyl ether

Concen: 20.214 ug/l

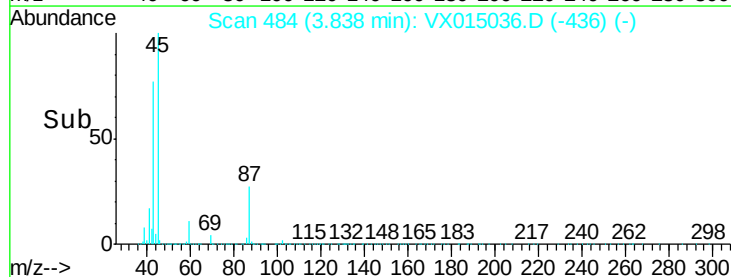
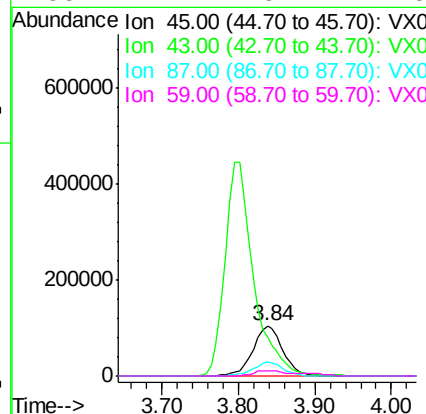
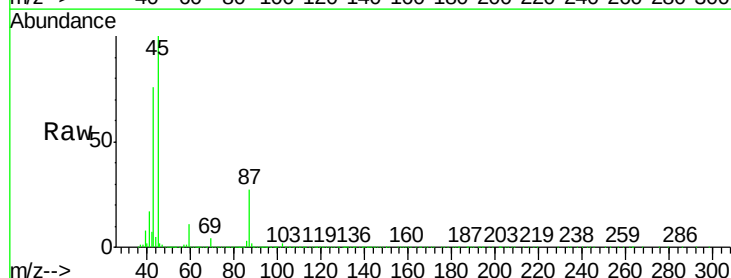
RT: 3.84 min Scan# 484

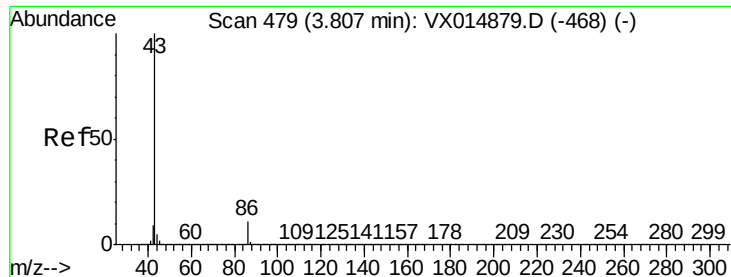
Delta R.T. -0.01 min

Lab File: VX015036.D

Acq: 27 Feb 2020 10:33

Tgt Ion:	45	Resp:	280413
Ion Ratio	Lower	Upper	
45	100		
43	76.2	63.5	95.3
87	27.2	22.2	33.4
59	11.1	9.4	14.0





#23

Vinyl Acetate

Concen: 101.269 ug/l

RT: 3.80 min Scan# 478

Delta R.T. -0.01 min

Lab File: VX015036.D

Acq: 27 Feb 2020 10:33

Instrument :

MSVOA_X

ClientSampleId :

VX0227WBS02

Tot Ion: 43 Resp: 1158085

Ion Ratio Lower Upper

43 100

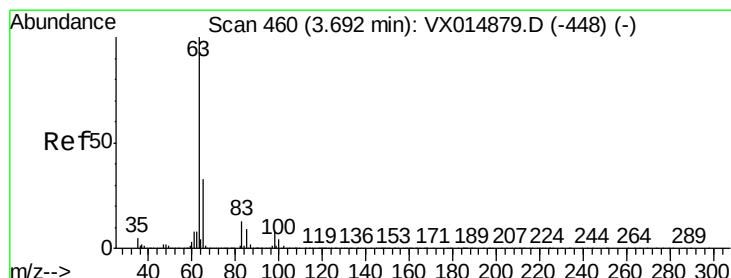
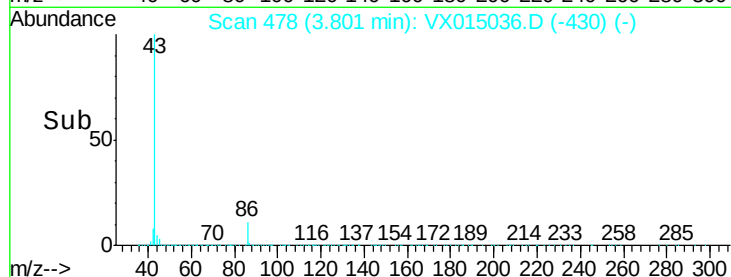
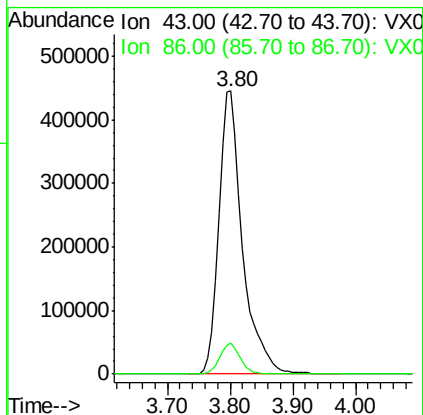
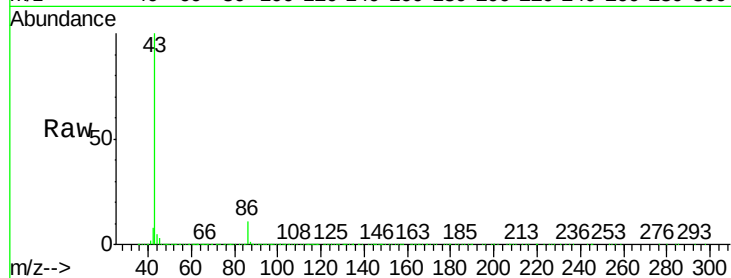
86 10.9 8.9 13.3

Manual Integrations

APPROVED

MMDadoda

2/28/2020 11:28:46 AM



#24

1,1-Dichloroethane

Concen: 19.421 ug/l

RT: 3.69 min Scan# 459

Delta R.T. -0.01 min

Lab File: VX015036.D

Acq: 27 Feb 2020 10:33

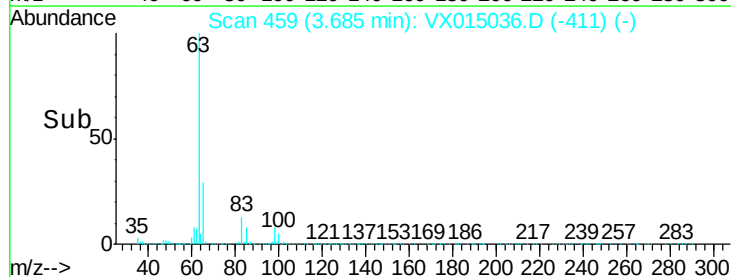
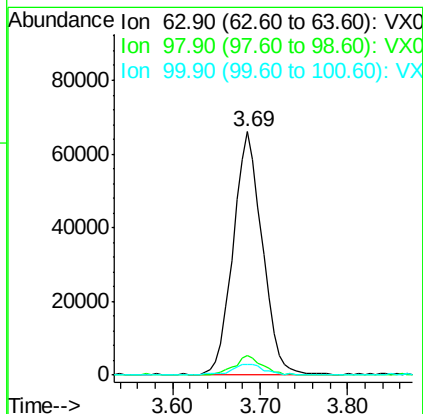
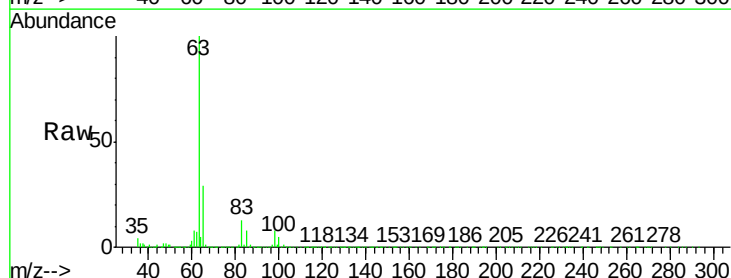
Tgt Ion: 63 Resp: 152053

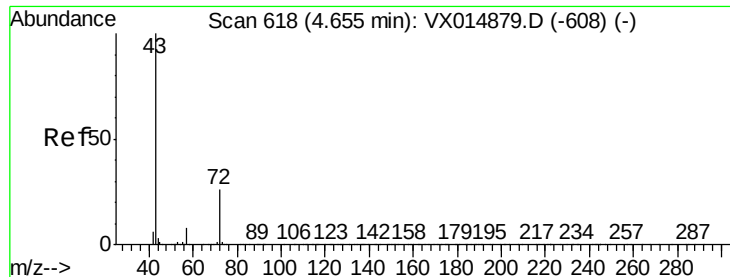
Ion Ratio Lower Upper

63 100

98 7.9 3.9 11.5

100 4.5 2.2 6.6





#25

2-Butanone

Concen: 99.306 ug/l

RT: 4.65 min Scan# 617

Delta R.T. -0.01 min

Lab File: VX015036.D

Acq: 27 Feb 2020 10:33

Instrument :

MSVOA_X

ClientSampleId :

VX0227WBS02

Tot Ion: 43 Resp: 341023

Ion Ratio Lower Upper

43 100

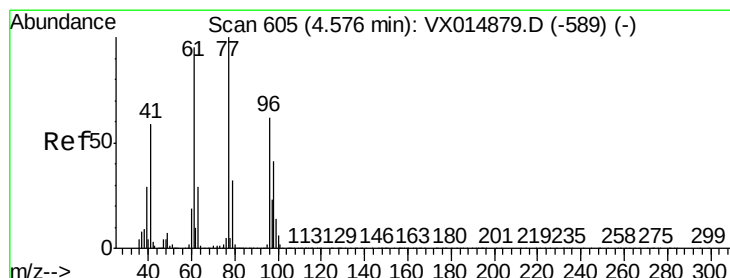
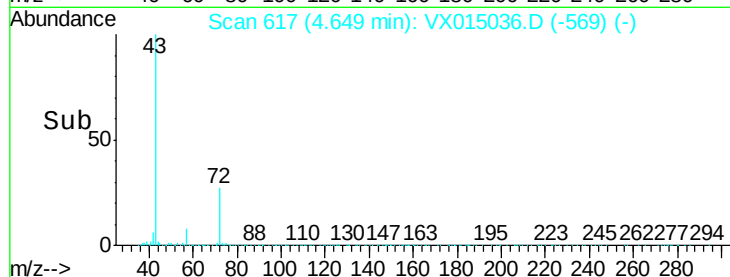
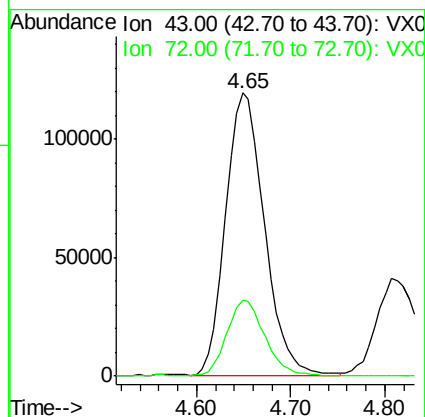
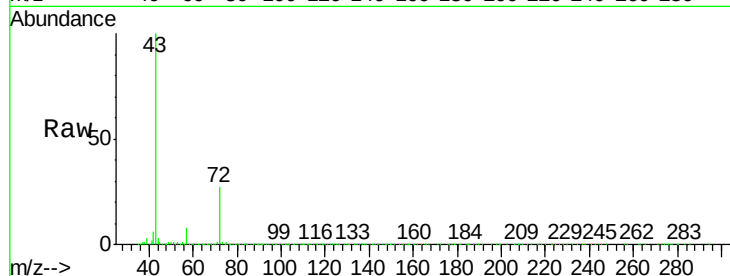
72 26.7 21.0 31.6

Manual Integrations

APPROVED

MMDadoda

2/28/2020 11:28:46 AM



#26

2,2-Dichloropropane

Concen: 17.954 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.01 min

Lab File: VX015036.D

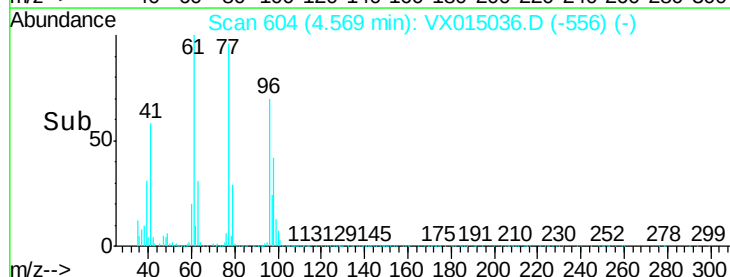
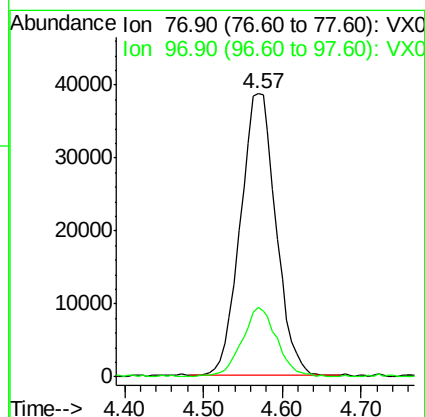
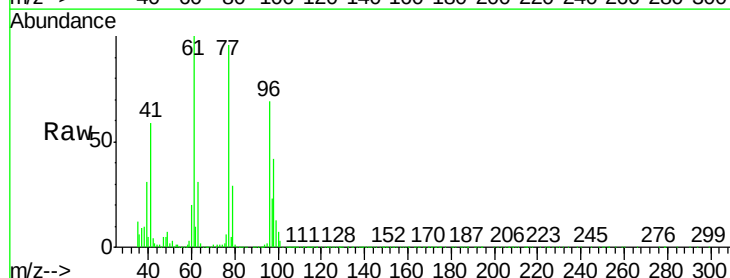
Acq: 27 Feb 2020 10:33

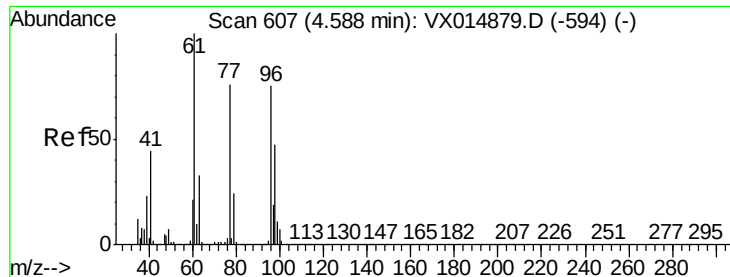
Tgt Ion: 77 Resp: 121140

Ion Ratio Lower Upper

77 100

97 24.5 11.9 35.5





#27

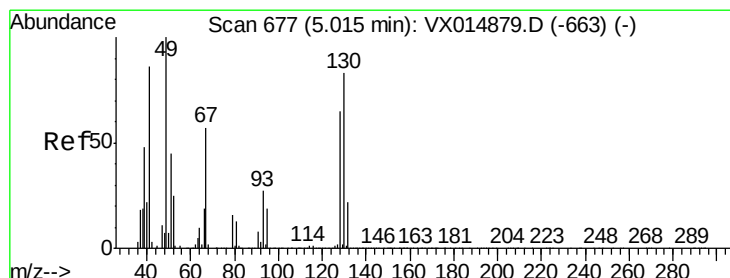
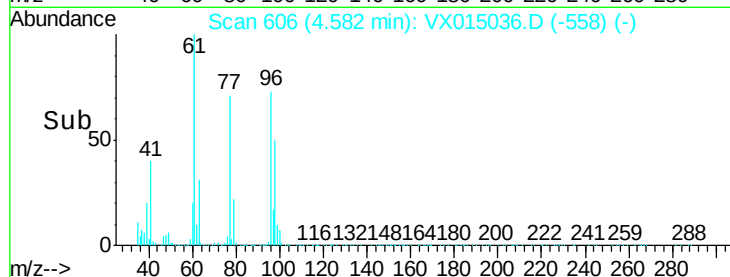
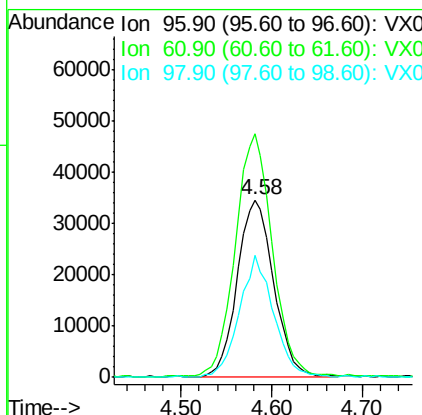
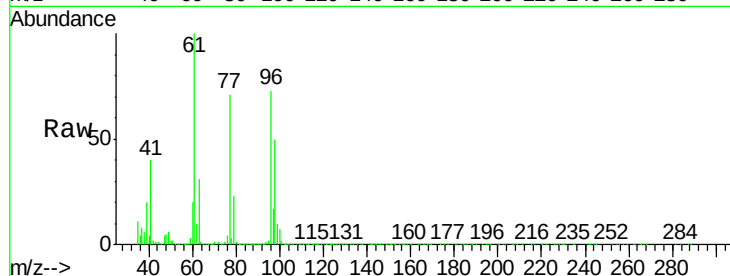
cis-1,2-Dichloroethene
Concen: 19.002 ug/l
RT: 4.58 min Scan# 606
Delta R.T. -0.01 min
Lab File: VX015036.D
Acq: 27 Feb 2020 10:33

Instrument :
MSVOA_X
ClientSampleId :
VX0227WBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.7	0.0	286.2
98	64.2	0.0	131.0

Manual Integrations
APPROVED

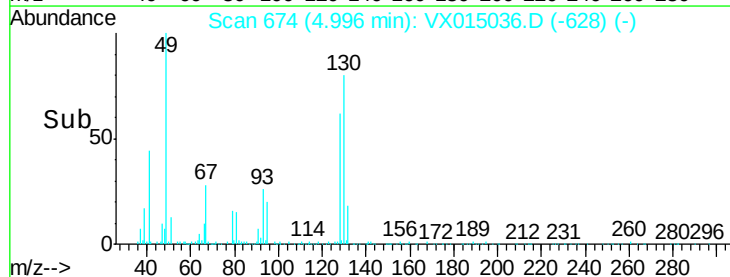
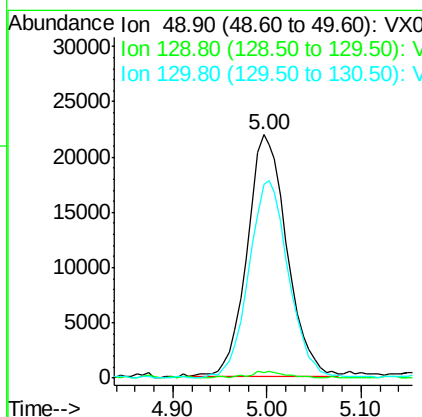
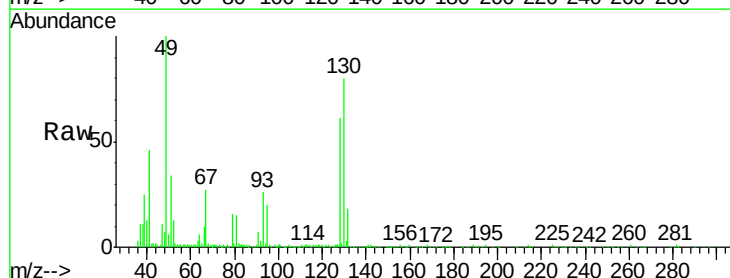
MMDadoda
2/28/2020 11:28:46 AM

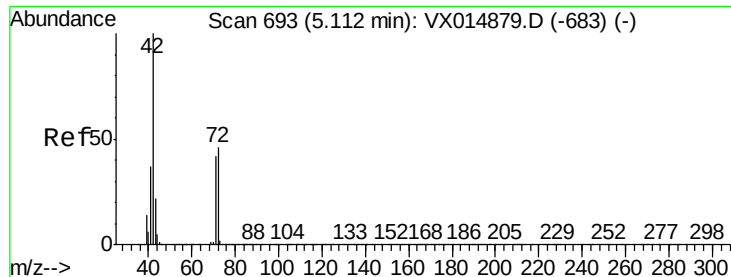


#28

Bromochloromethane
Concen: 21.512 ug/l
RT: 5.00 min Scan# 674
Delta R.T. -0.02 min
Lab File: VX015036.D
Acq: 27 Feb 2020 10:33

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	5.2
130	80.7	67.4	101.2





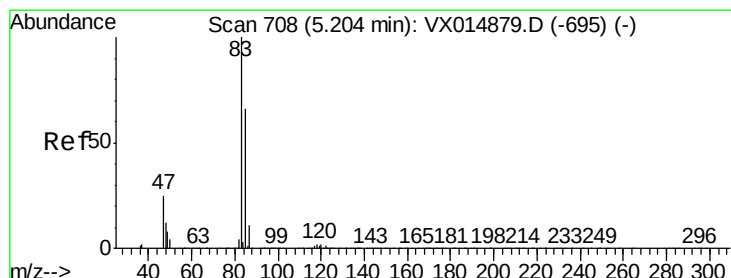
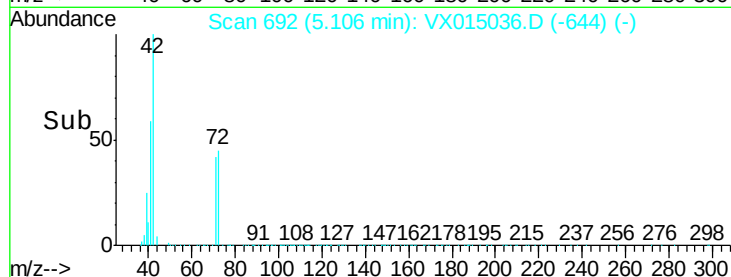
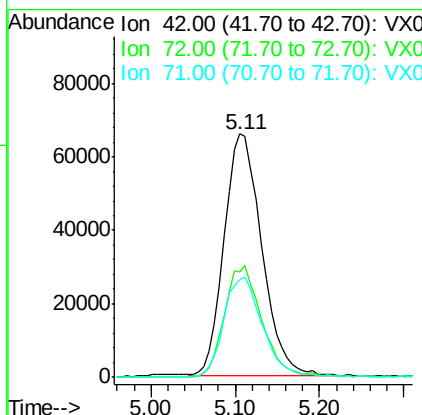
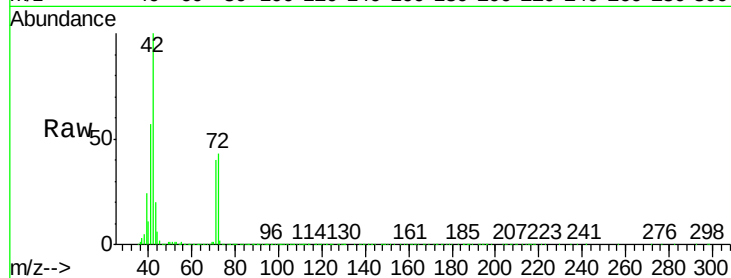
#29
Tetrahydrofuran
Concen: 102.751 ug/l
RT: 5.11 min Scan# 692
Delta R.T. -0.01 min
Lab File: VX015036.D
Acq: 27 Feb 2020 10:33

Instrument :
MSVOA_X
ClientSampleId :
VX0227WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.0	36.9	55.3
71	41.8	34.1	51.1

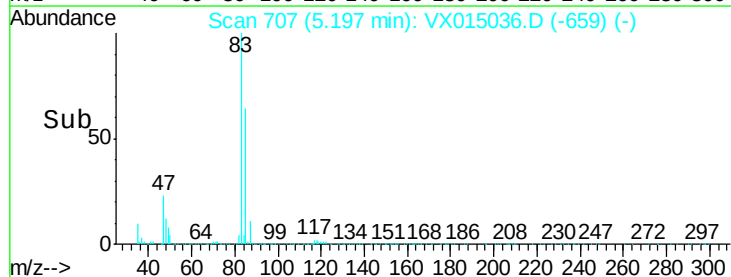
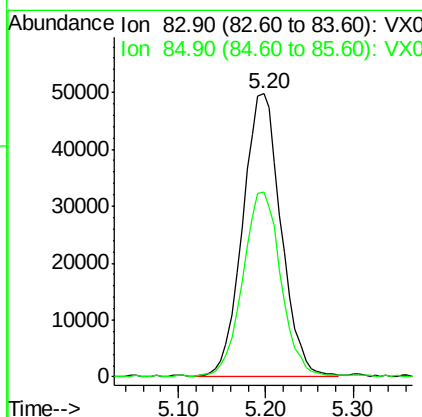
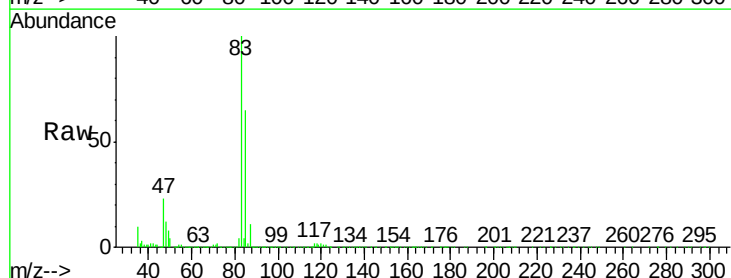
Manual Integrations
APPROVED

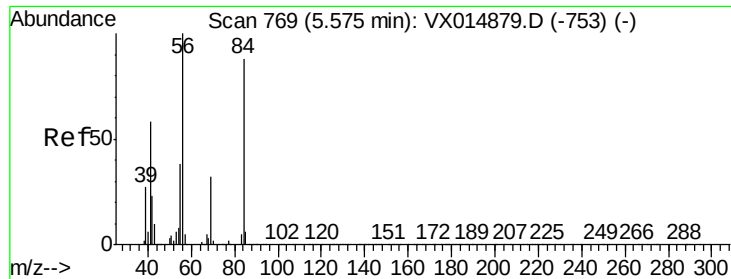
MMDadoda
2/28/2020 11:28:46 AM



#30
Chloroform
Concen: 19.448 ug/l
RT: 5.20 min Scan# 707
Delta R.T. -0.01 min
Lab File: VX015036.D
Acq: 27 Feb 2020 10:33

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	52.9	79.3





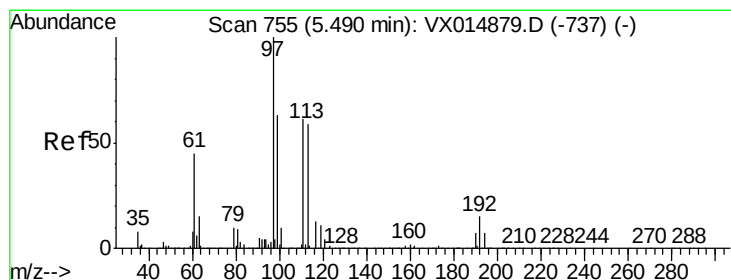
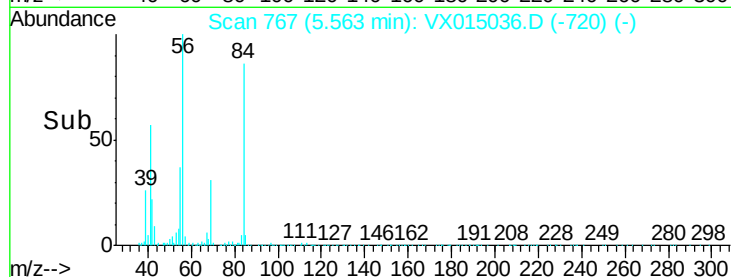
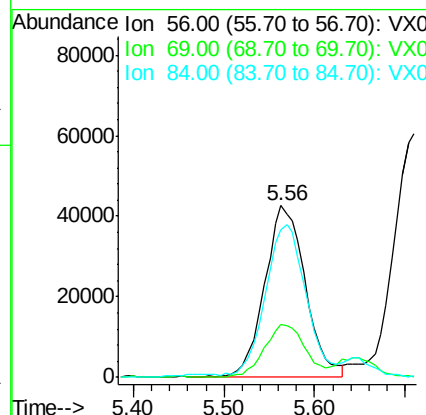
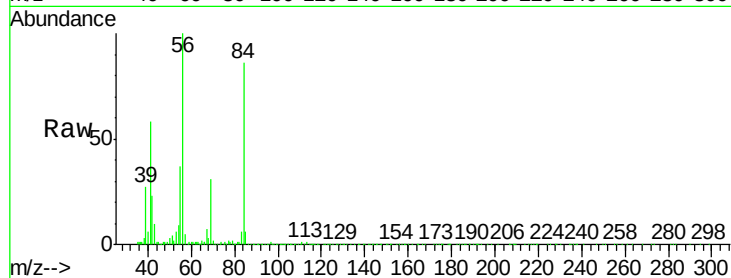
#31
Cyclohexane
Concen: 18.388 ug/l
RT: 5.56 min Scan# 767
Delta R.T. -0.01 min
Lab File: VX015036.D
Acq: 27 Feb 2020 10:33

Instrument :
MSVOA_X
ClientSampleId :
VX0227WBS02

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.9	25.9	38.9
84	85.0	70.4	105.6

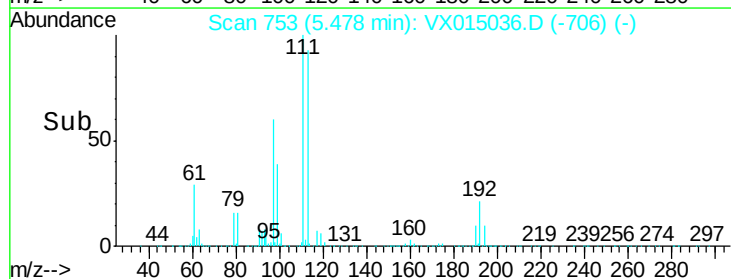
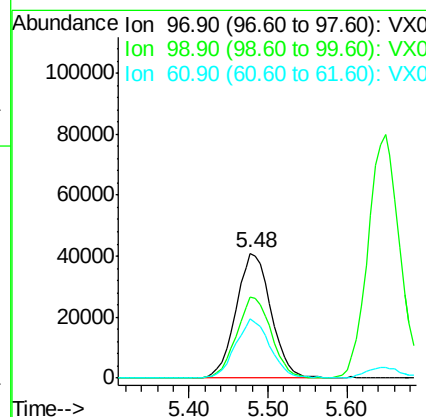
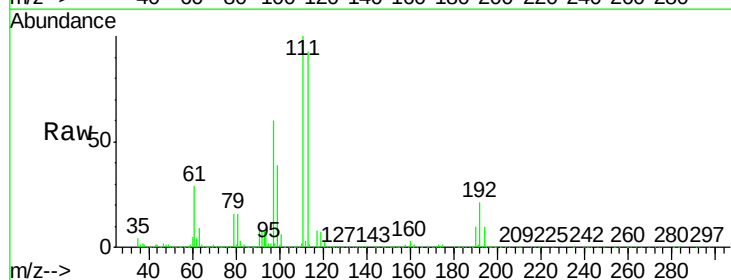
Manual Integrations
APPROVED

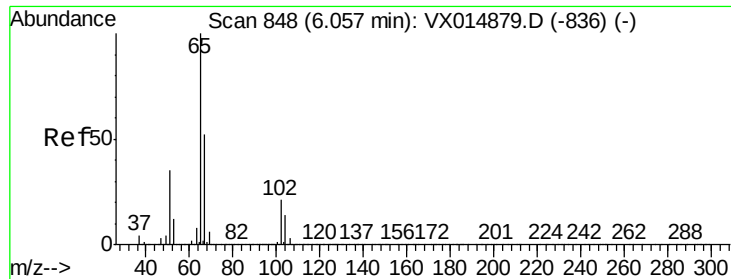
MMDadoda
2/28/2020 11:28:46 AM



#32
1,1,1-Trichloroethane
Concen: 18.370 ug/l
RT: 5.48 min Scan# 753
Delta R.T. -0.01 min
Lab File: VX015036.D
Acq: 27 Feb 2020 10:33

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.0	76.6
61	46.6	36.3	54.5





#33

1,2-Dichloroethane-d4

Concen: 46.301 ug/l

RT: 6.04 min Scan# 846

Delta R.T. -0.01 min

Lab File: VX015036.D

Acq: 27 Feb 2020 10:33

Instrument :

MSVOA_X

ClientSampleId :

VX0227WBS02

Tot Ion: 65 Resp: 23352

Ion Ratio Lower Upper

65 100

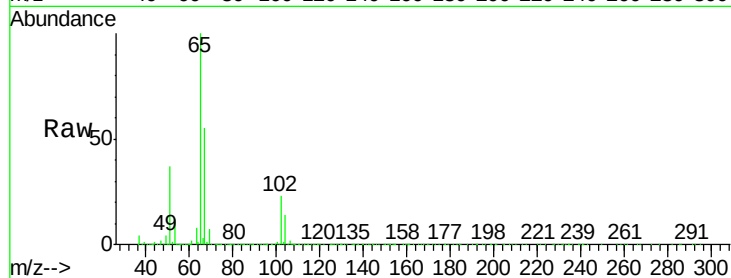
67 53.4 0.0 103.0

Manual Integrations

APPROVED

MMDadoda

2/28/2020 11:28:46 AM



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.04

80000

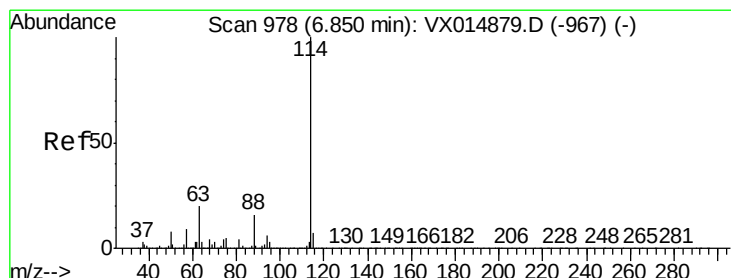
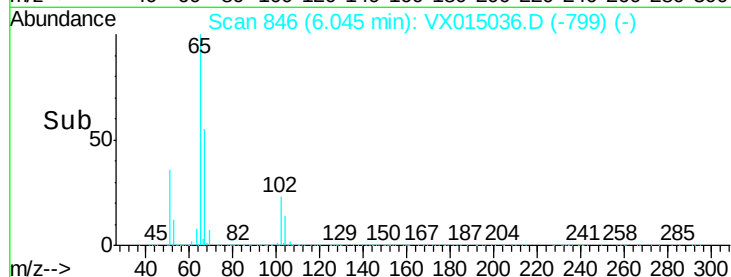
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 977

Delta R.T. -0.01 min

Lab File: VX015036.D

Acq: 27 Feb 2020 10:33

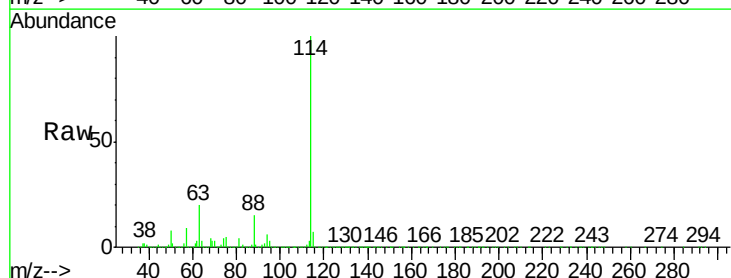
Tgt Ion: 114 Resp: 660152

Ion Ratio Lower Upper

114 100

63 20.4 0.0 39.2

88 15.4 0.0 32.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

6.84

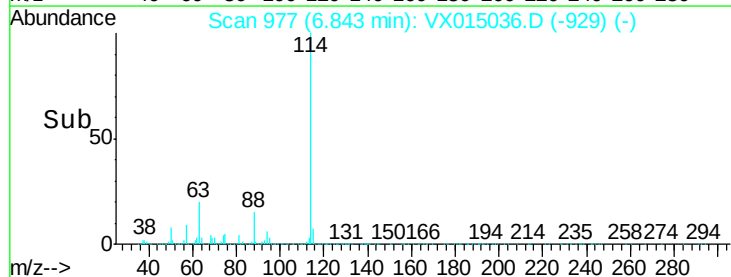
300000

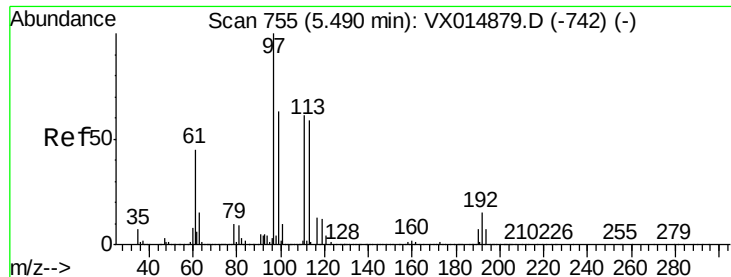
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 47.408 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX015036.D

Acq: 27 Feb 2020 10:33

Instrument :

MSVOA_X

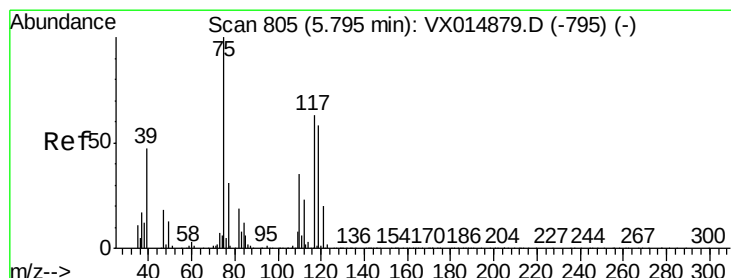
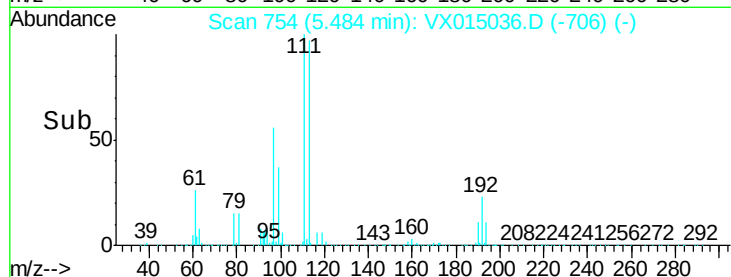
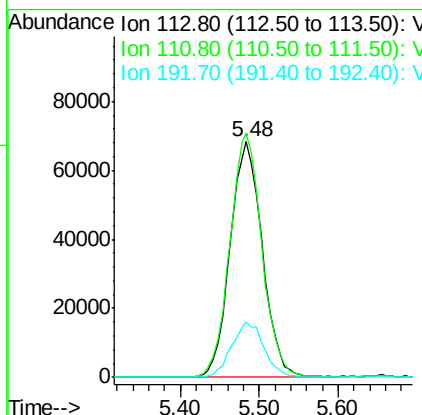
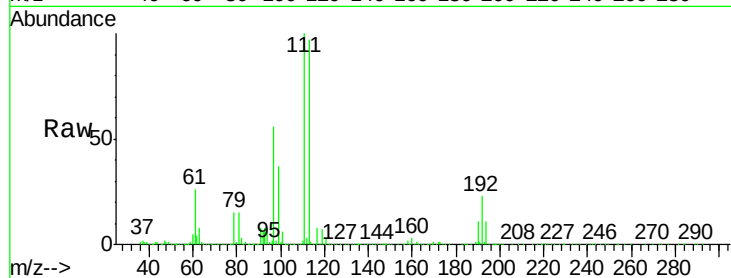
ClientSampleId :

VX0227WBS02

Tot Ion:	113	Resp:	192402
Ion Ratio	Lower	Upper	
113	100		
111	103.5	82.4	123.6
192	24.2	19.1	28.7

Manual Integrations
APPROVED

MMDadoda
2/28/2020 11:28:46 AM



#36

1,1-Dichloropropene

Concen: 18.724 ug/l

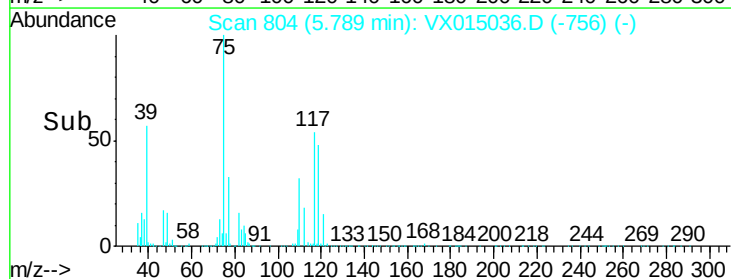
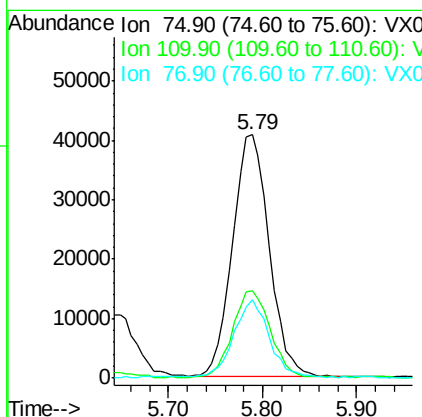
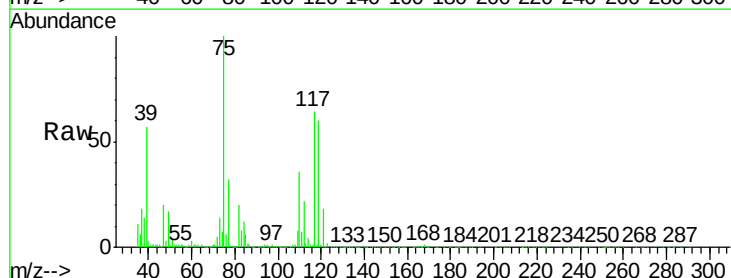
RT: 5.79 min Scan# 804

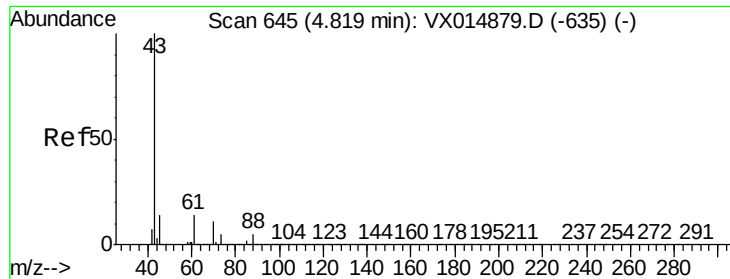
Delta R.T. -0.01 min

Lab File: VX015036.D

Acq: 27 Feb 2020 10:33

Tgt Ion:	75	Resp:	110569
Ion Ratio	Lower	Upper	
75	100		
110	37.6	18.3	54.8
77	30.7	24.6	36.8





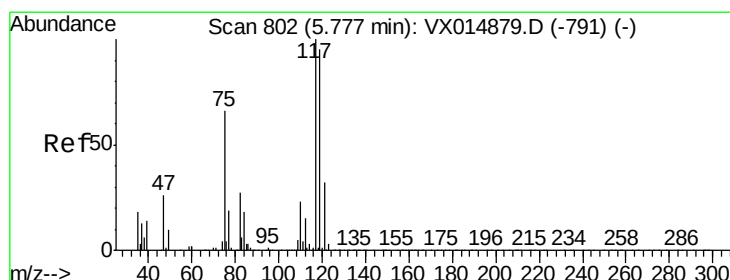
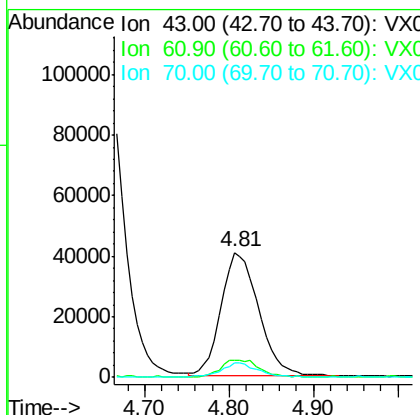
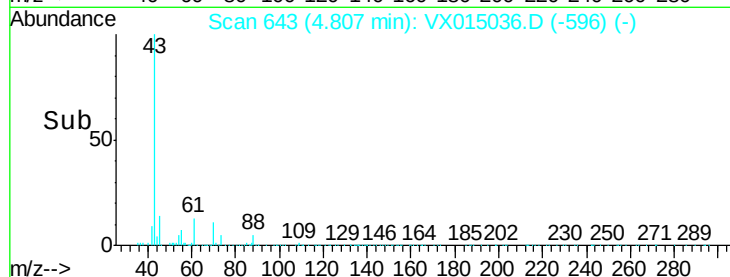
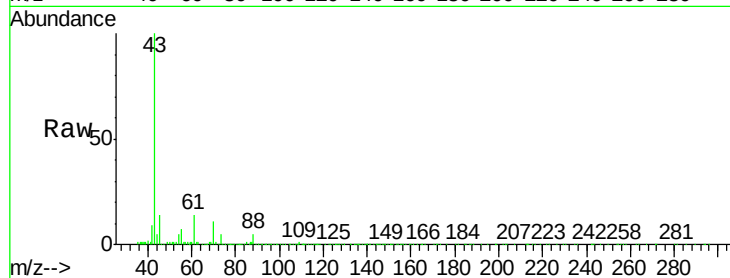
#37
Ethyl Acetate
Concen: 20.294 ug/l
RT: 4.81 min Scan# 643
Delta R.T. -0.01 min
Lab File: VX015036.D
Acq: 27 Feb 2020 10:33

Instrument :
MSVOA_X
ClientSampleId :
VX0227WBS02

Tot Ion	43	Resp	124992
Ion Ratio	Lower	Upper	
43	100		
61	13.8	10.9	16.3
70	10.8	8.7	13.1

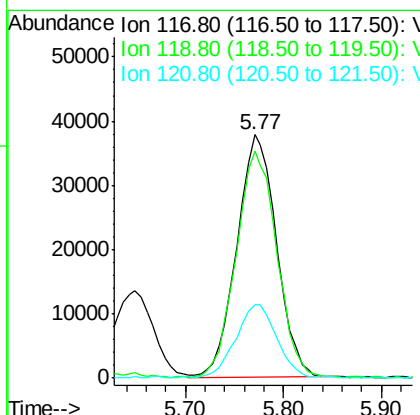
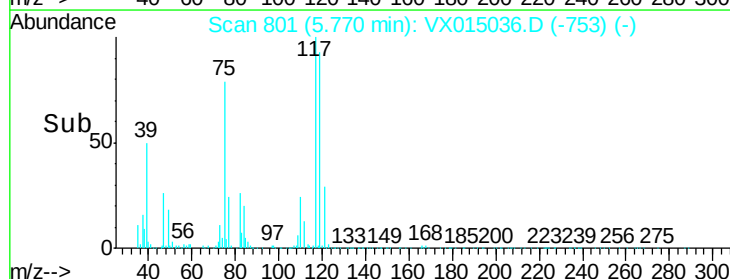
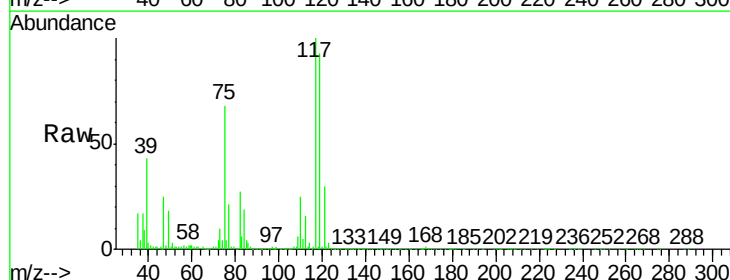
Manual Integrations
APPROVED

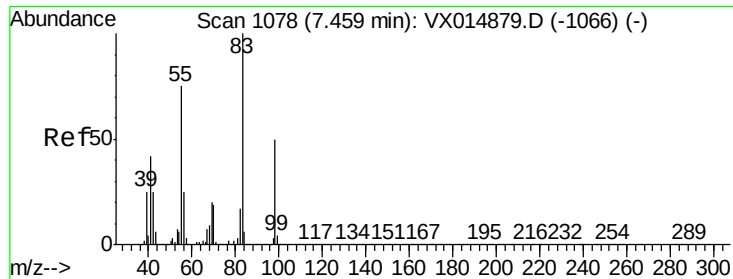
MMDadoda
2/28/2020 11:28:46 AM



#38
Carbon Tetrachloride
Concen: 18.493 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.01 min
Lab File: VX015036.D
Acq: 27 Feb 2020 10:33

Tgt Ion	117	Resp	106424
Ion Ratio	Lower	Upper	
117	100		
119	93.5	76.0	114.0
121	29.9	25.4	38.2





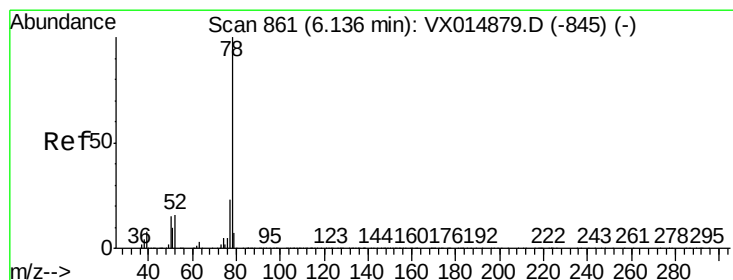
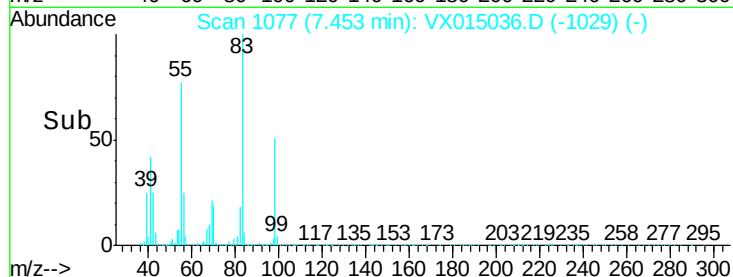
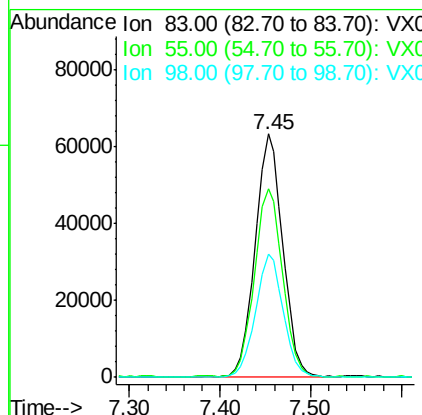
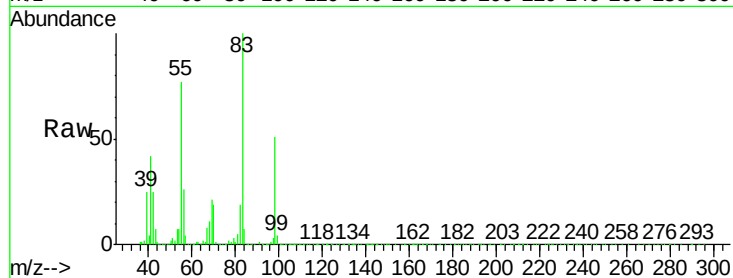
#39
Methylvlcyclohexane
Concen: 17.987 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.01 min
Lab File: VX015036.D
Acq: 27 Feb 2020 10:33

Instrument :
MSVOA_X
ClientSampleId :
VX0227WBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.0	60.0	90.0
98	50.7	39.6	59.4

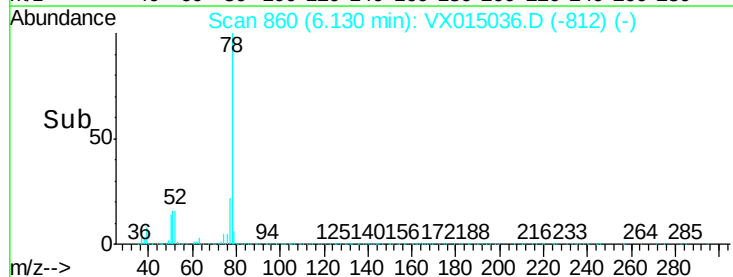
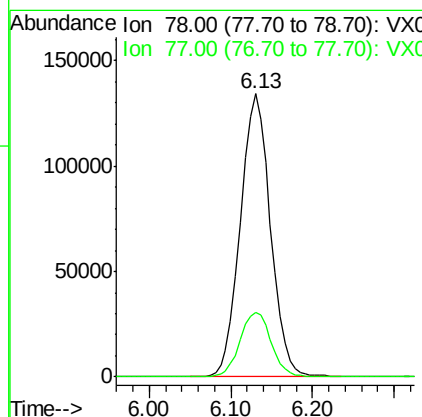
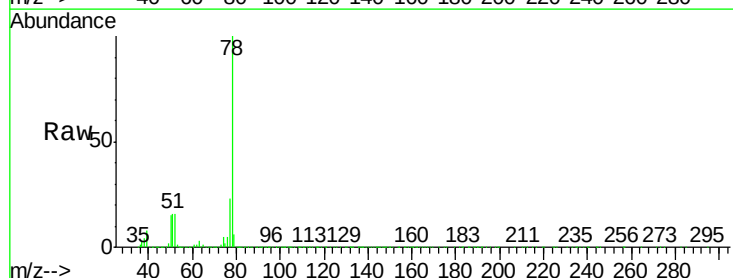
Manual Integrations
APPROVED

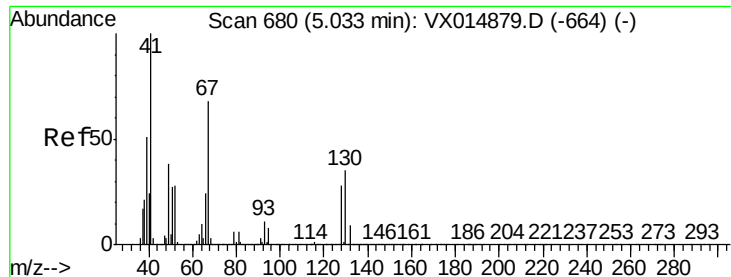
MMDadoda
2/28/2020 11:28:46 AM



#40
Benzene
Concen: 19.483 ug/l
RT: 6.13 min Scan# 860
Delta R.T. -0.01 min
Lab File: VX015036.D
Acq: 27 Feb 2020 10:33

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.7	18.8	28.2





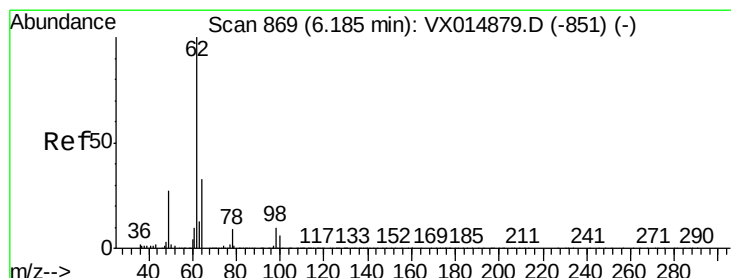
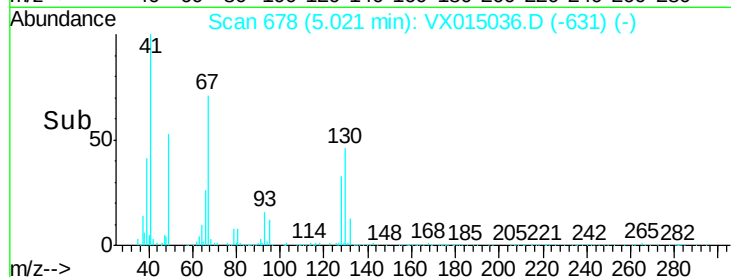
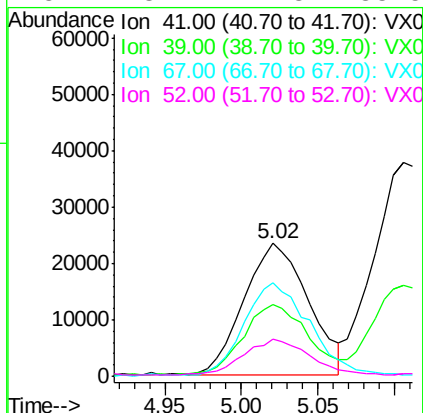
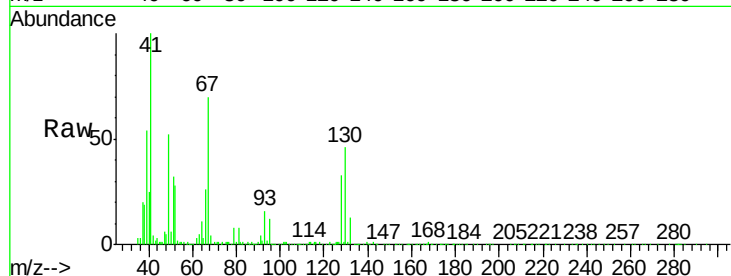
#41
Methacrylonitrile
Concen: 20.499 ug/l
RT: 5.02 min Scan# 678
Delta R.T. -0.01 min
Lab File: VX015036.D
Acq: 27 Feb 2020 10:33

Instrument :
MSVOA_X
ClientSampleId :
VX0227WBS02

Tot Ion	Ratio	Lower	Upper
41	100		
39	53.1	44.7	67.1
67	71.3	56.6	84.8
52	28.2	22.3	33.5

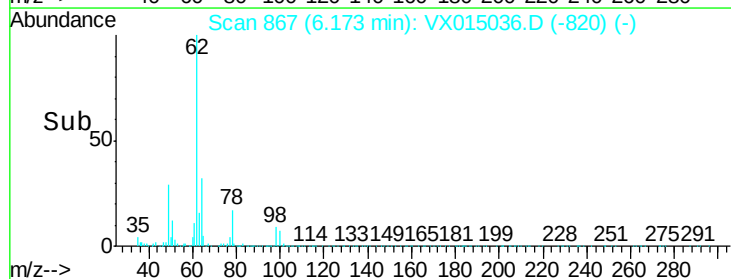
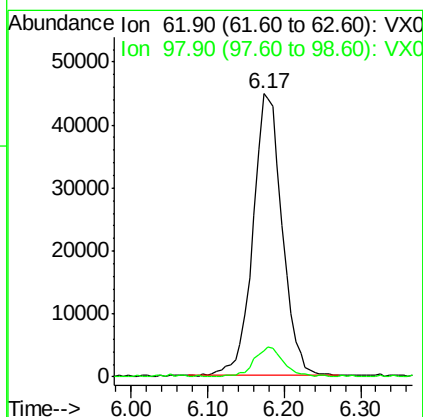
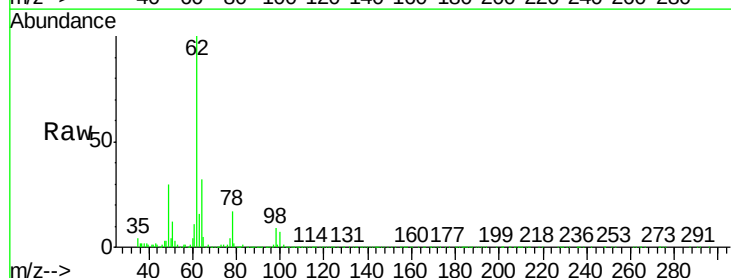
Manual Integrations
APPROVED

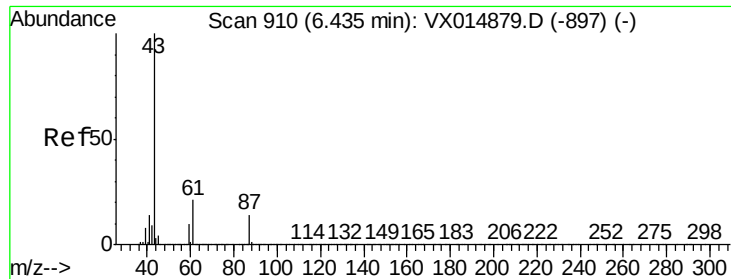
MMDadoda
2/28/2020 11:28:46 AM



#42
1,2-Dichloroethane
Concen: 18.705 ug/l
RT: 6.17 min Scan# 867
Delta R.T. -0.01 min
Lab File: VX015036.D
Acq: 27 Feb 2020 10:33

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	19.2





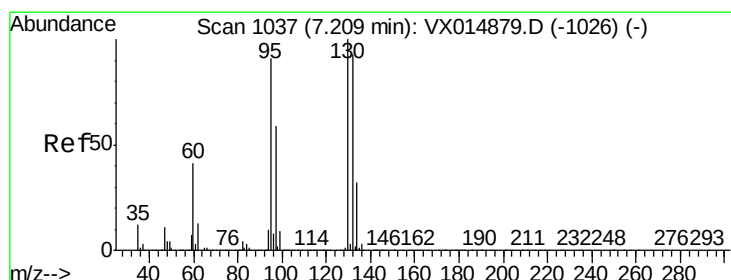
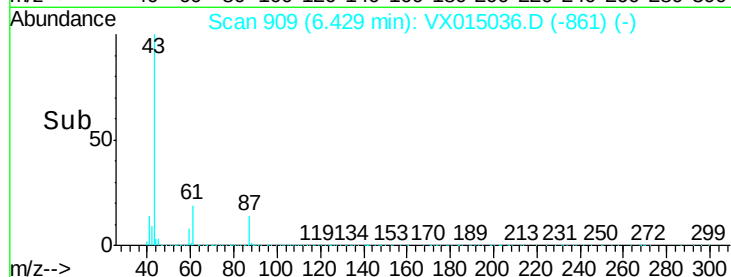
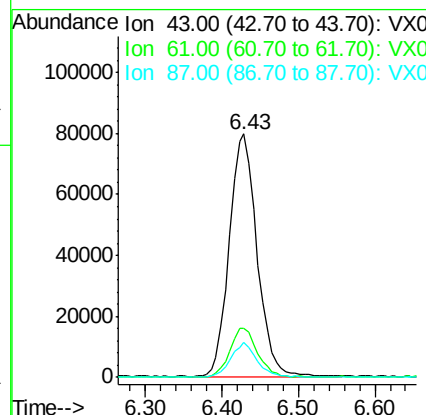
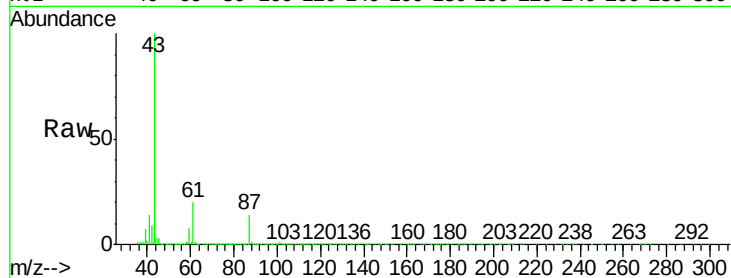
#43
Isopropyl Acetate
Concen: 19.638 ug/l
RT: 6.43 min Scan# 909
Delta R.T. -0.01 min
Lab File: VX015036.D
Acq: 27 Feb 2020 10:33

Instrument :
MSVOA_X
ClientSampleId :
VX0227WBS02

Tot Ion	43	Resp	199524
Ion Ratio	Lower	Upper	
43	100		
61	20.0	16.2	24.4
87	13.9	11.0	16.6

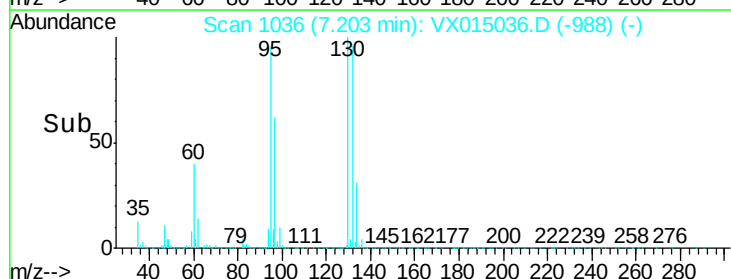
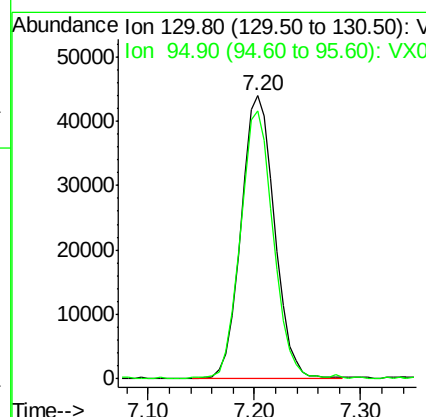
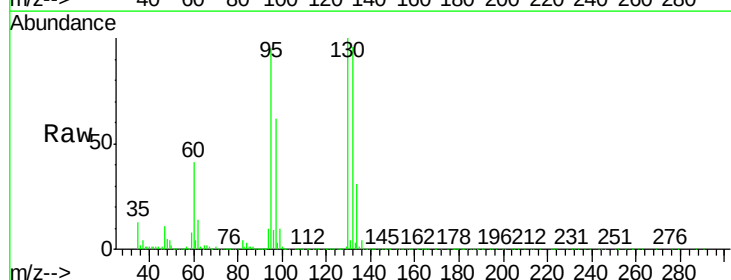
Manual Integrations
APPROVED

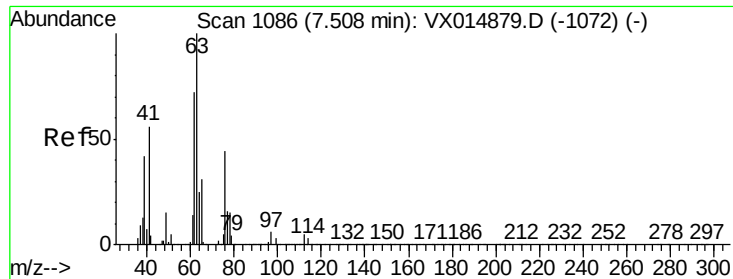
MMDadoda
2/28/2020 11:28:46 AM



#44
Trichloroethene
Concen: 19.026 ug/l
RT: 7.20 min Scan# 1036
Delta R.T. -0.01 min
Lab File: VX015036.D
Acq: 27 Feb 2020 10:33

Tgt Ion	130	Resp	97451
Ion Ratio	Lower	Upper	
130	100		
95	94.2	0.0	182.6





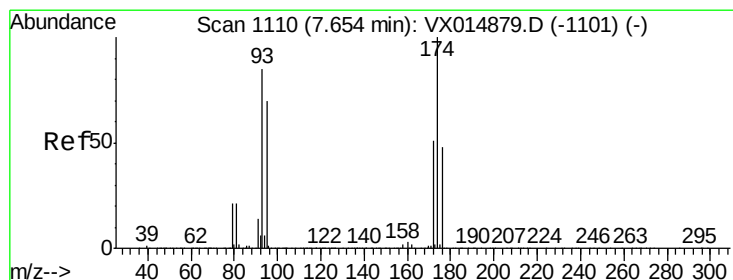
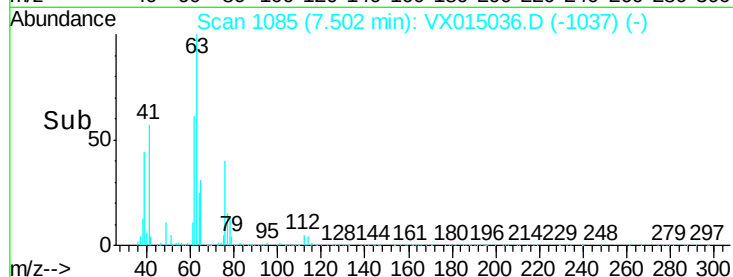
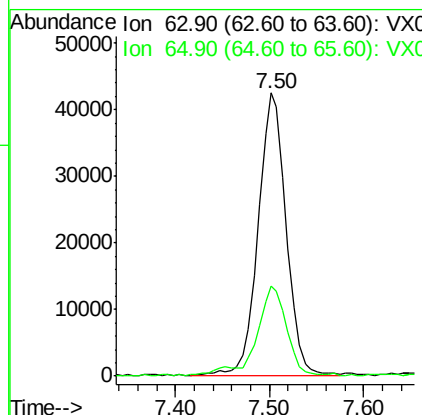
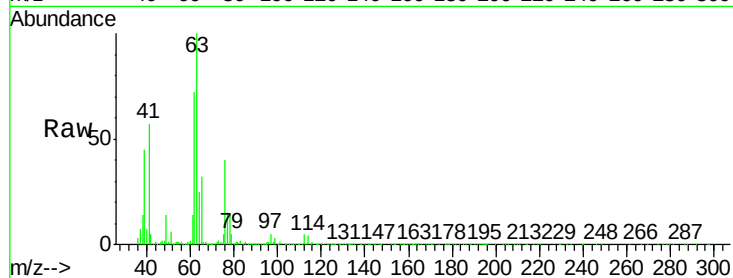
#45
 1,2-Dichloropropane
 Concen: 19.571 ug/l
 RT: 7.50 min Scan# 1085
 Delta R.T. -0.01 min
 Lab File: VX015036.D
 Acq: 27 Feb 2020 10:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0227WBS02

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.8	24.9	37.3

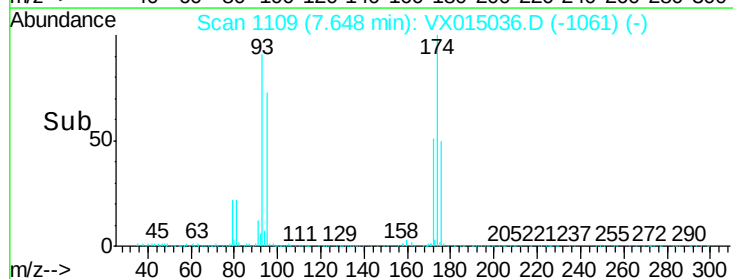
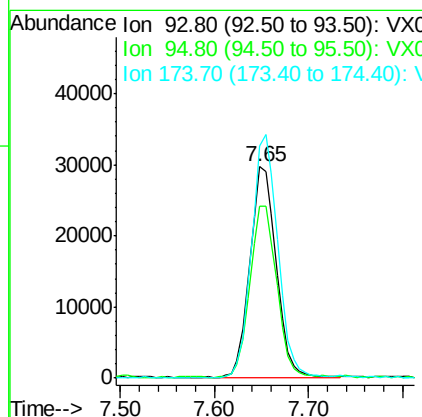
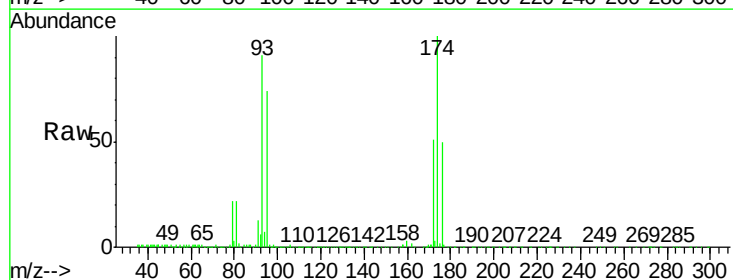
Manual Integrations
 APPROVED

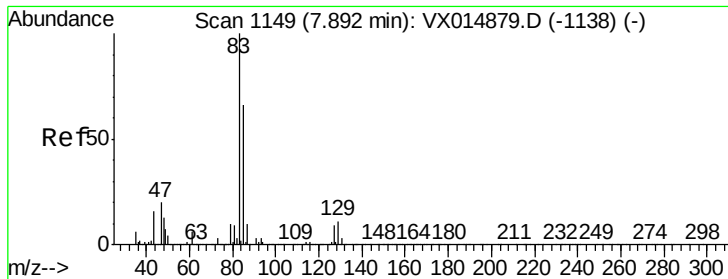
MMDadoda
 2/28/2020 11:28:46 AM



#46
 Dibromomethane
 Concen: 18.829 ug/l
 RT: 7.65 min Scan# 1109
 Delta R.T. -0.01 min
 Lab File: VX015036.D
 Acq: 27 Feb 2020 10:33

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.1	65.8	98.8
174	116.5	95.4	143.2





#47

Bromodichloromethane

Concen: 19.015 ug/l

RT: 7.89 min Scan# 1148

Delta R.T. -0.01 min

Lab File: VX015036.D

Acq: 27 Feb 2020 10:33

Instrument :

MSVOA_X

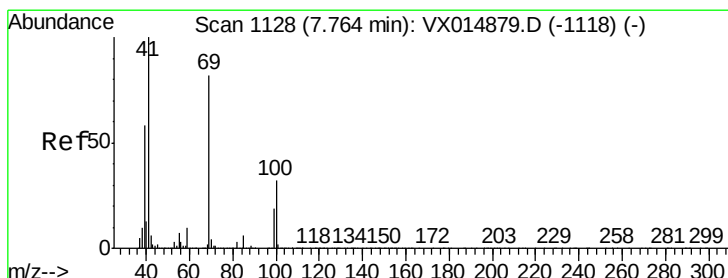
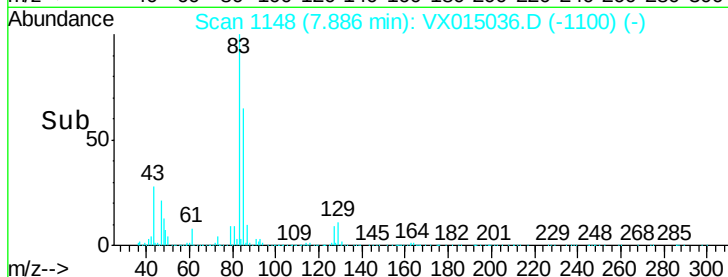
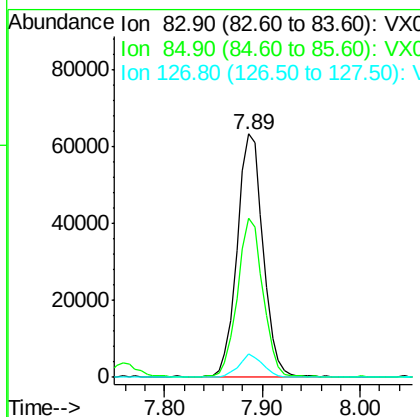
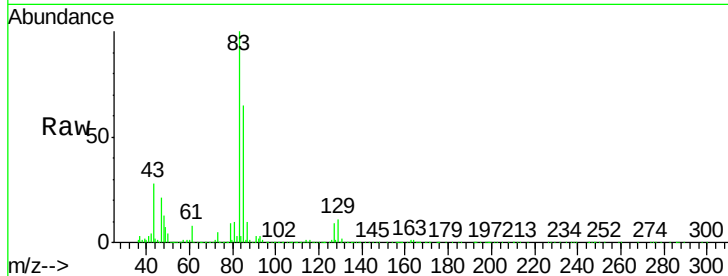
ClientSampleId :

VX0227WBS02

Tot Ion:	83	Resp:	115966
Ion Ratio	Lower	Upper	
83	100		
85	65.0	52.5	78.7
127	9.5	7.4	11.0

Manual Integrations
APPROVED

MMDadoda
2/28/2020 11:28:46 AM



#48

Methyl methacrylate

Concen: 19.758 ug/l

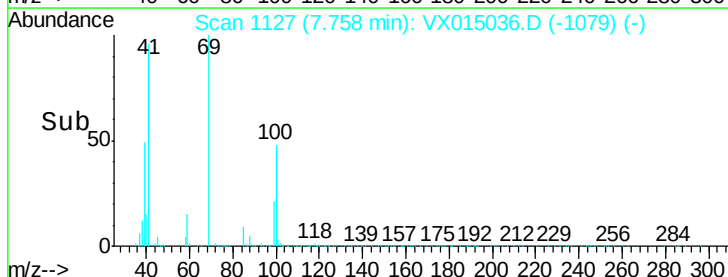
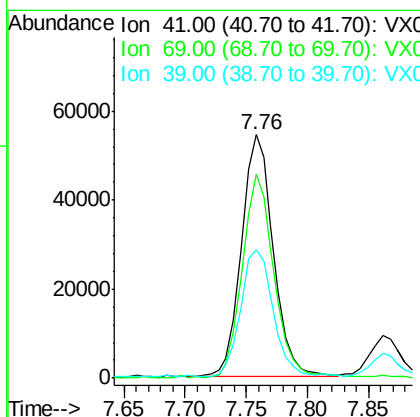
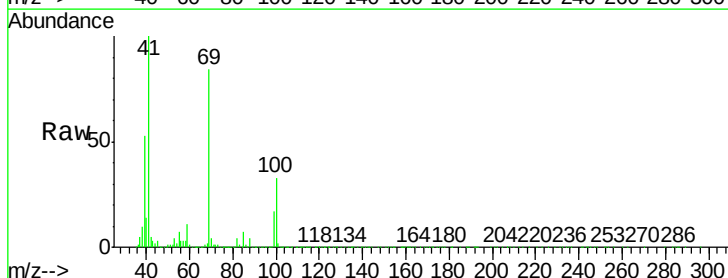
RT: 7.76 min Scan# 1127

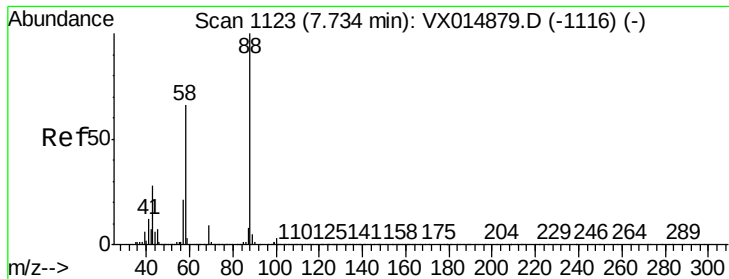
Delta R.T. -0.01 min

Lab File: VX015036.D

Acq: 27 Feb 2020 10:33

Tgt Ion:	41	Resp:	98793
Ion Ratio	Lower	Upper	
41	100		
69	82.2	65.7	98.5
39	53.8	45.8	68.8





#49

1,4-Dioxane

Concen: 416.375 ug/l

RT: 7.73 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VX015036.D

Acq: 27 Feb 2020 10:33

Instrument :

MSVOA_X

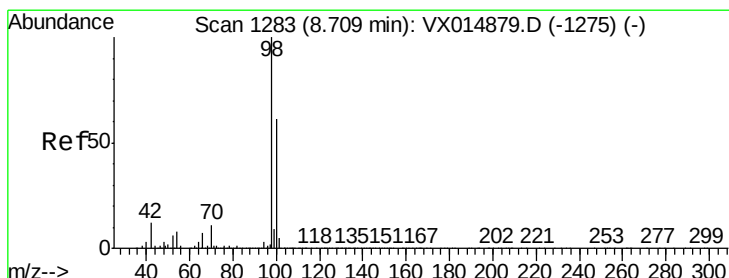
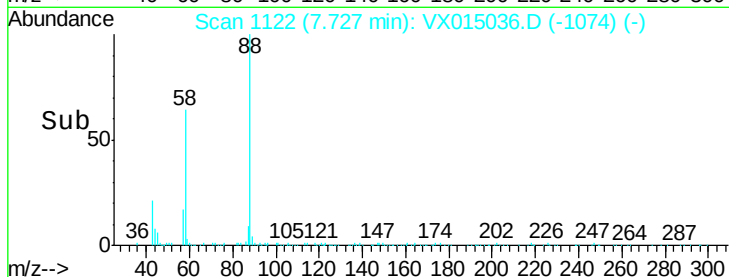
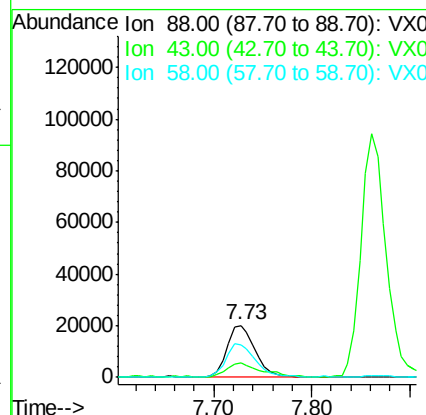
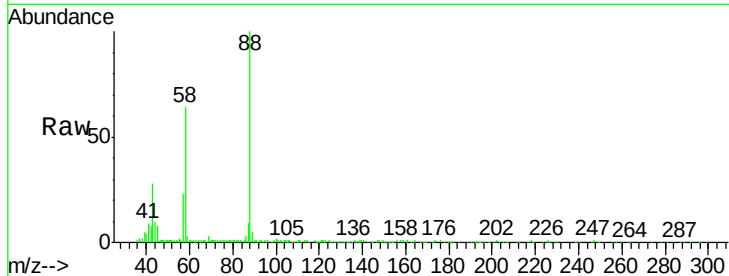
ClientSampleId :

VX0227WBS02

Tot Ion:	88	Resp:	38926
Ion	Ratio	Lower	Upper
88	100		
43	33.2	27.0	40.4
58	70.4	53.2	79.8

Manual Integrations
APPROVED

MMDadoda
2/28/2020 11:28:46 AM



#50

Toluene-d8

Concen: 47.989 ug/l

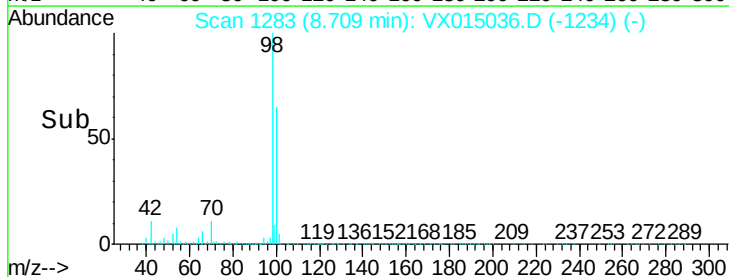
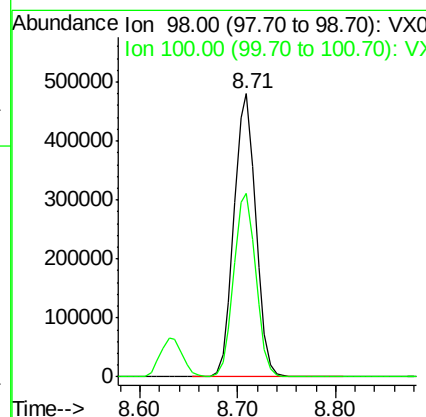
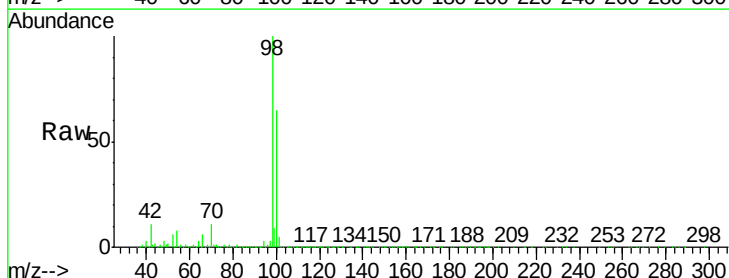
RT: 8.71 min Scan# 1283

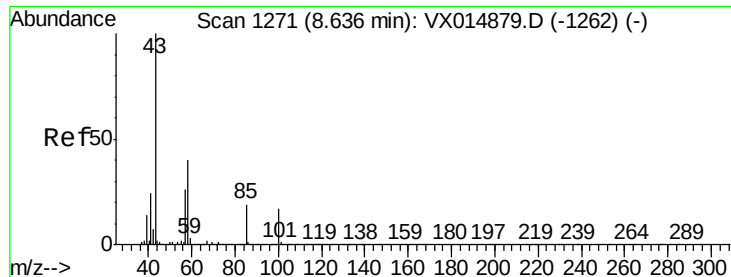
Delta R.T. -0.00 min

Lab File: VX015036.D

Acq: 27 Feb 2020 10:33

Tgt Ion:	98	Resp:	743418
Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.4	78.6





#51

4-Methyl-2-Pentanone

Concen: 103.430 ug/l

RT: 8.63 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VX015036.D

Acq: 27 Feb 2020 10:33

Instrument :

MSVOA_X

ClientSampleId :

VX0227WBS02

Tot Ion: 43 Resp: 634538

Ion Ratio Lower Upper

43 100

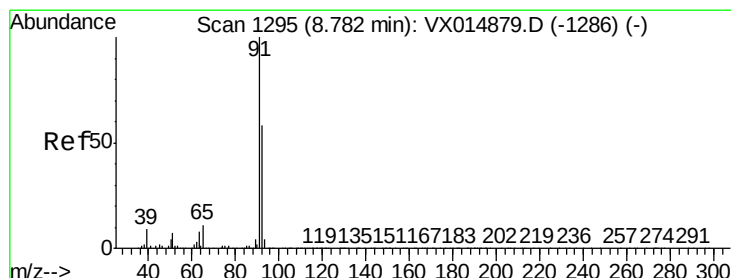
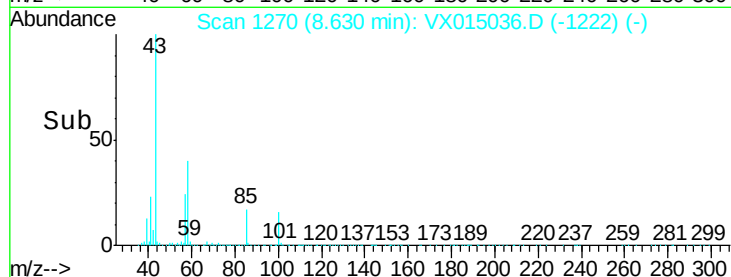
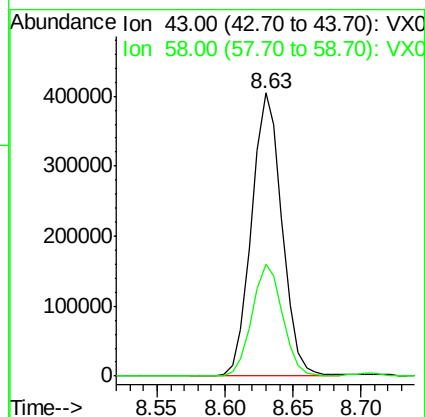
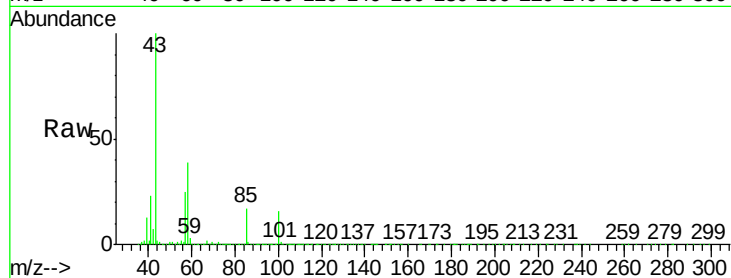
58 39.5 31.9 47.9

Manual Integrations

APPROVED

MMDadoda

2/28/2020 11:28:46 AM



#52

Toluene

Concen: 19.253 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.01 min

Lab File: VX015036.D

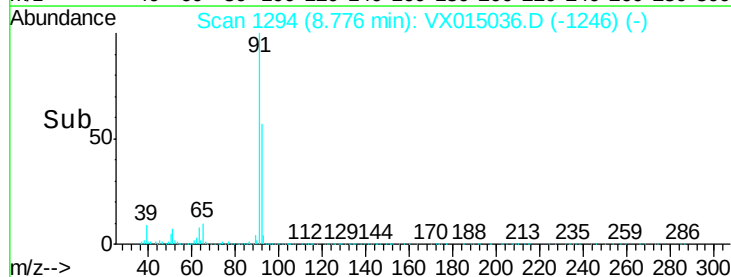
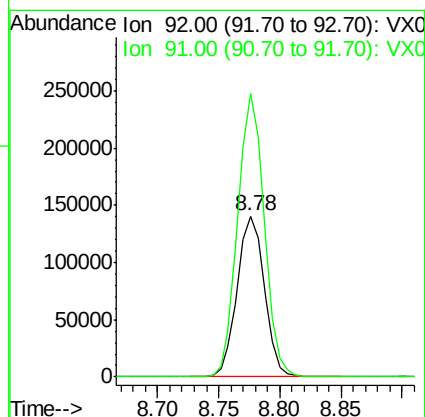
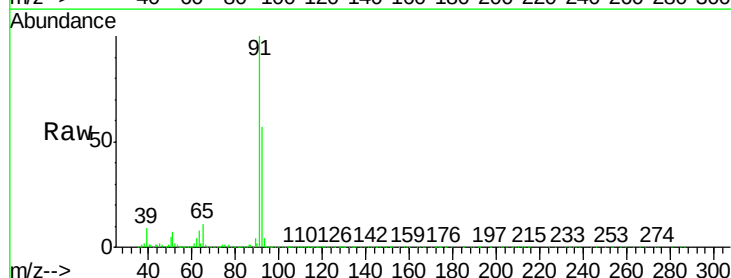
Acq: 27 Feb 2020 10:33

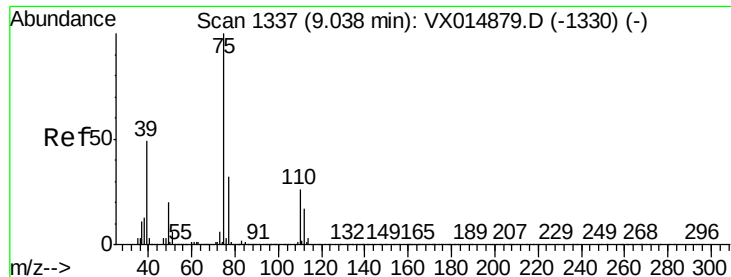
Tgt Ion: 92 Resp: 215752

Ion Ratio Lower Upper

92 100

91 171.8 137.0 205.4





#53

t-1,3-Dichloropropene

Concen: 19.218 ug/l

RT: 9.03 min Scan# 1336

Delta R.T. -0.01 min

Lab File: VX015036.D

Acq: 27 Feb 2020 10:33

Instrument :

MSVOA_X

ClientSampleId :

VX0227WBS02

Tot Ion: 75 Resp: 128446

Ion Ratio Lower Upper

75 100

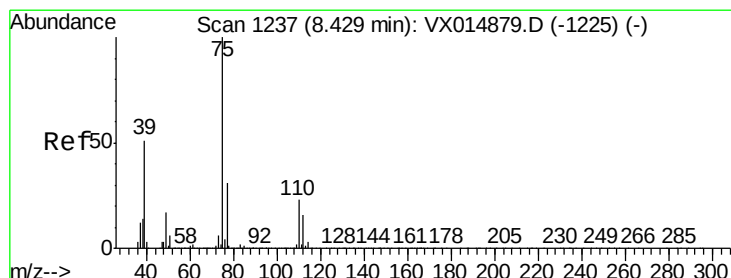
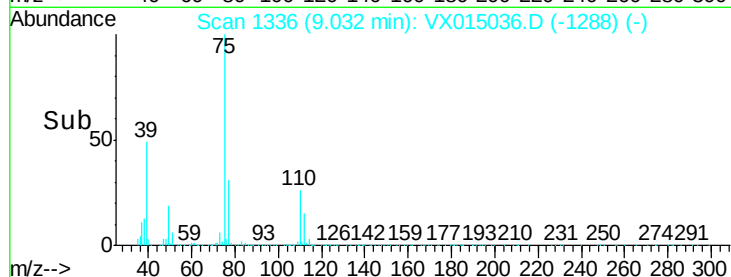
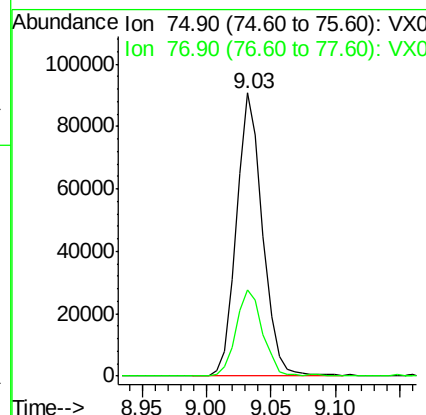
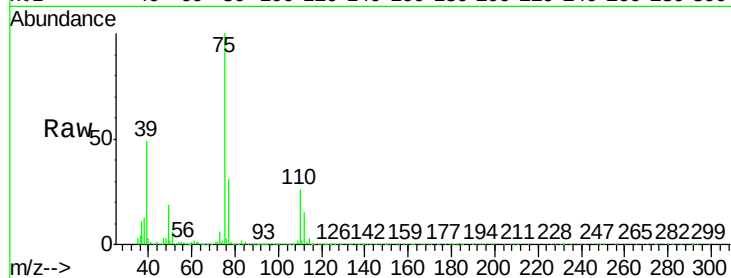
77 30.4 25.5 38.3

Manual Integrations

APPROVED

MMDadoda

2/28/2020 11:28:46 AM



#54

cis-1,3-Dichloropropene

Concen: 18.819 ug/l

RT: 8.43 min Scan# 1237

Delta R.T. -0.00 min

Lab File: VX015036.D

Acq: 27 Feb 2020 10:33

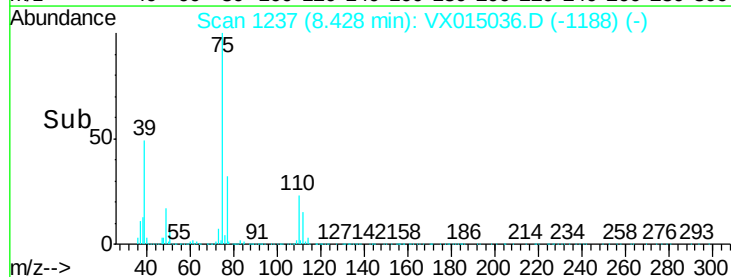
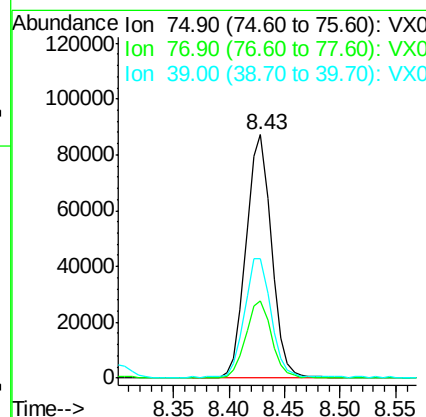
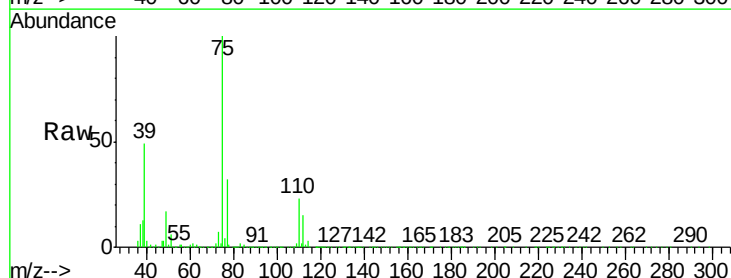
Tgt Ion: 75 Resp: 138952

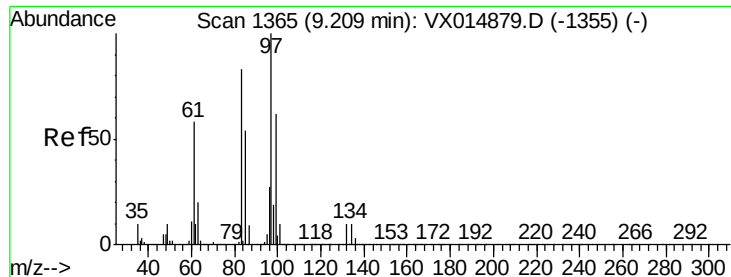
Ion Ratio Lower Upper

75 100

77 31.8 24.6 37.0

39 48.6 40.9 61.3





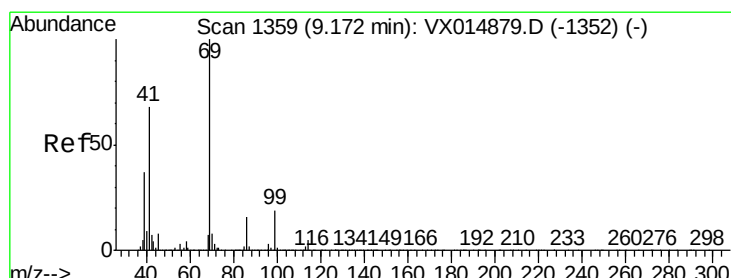
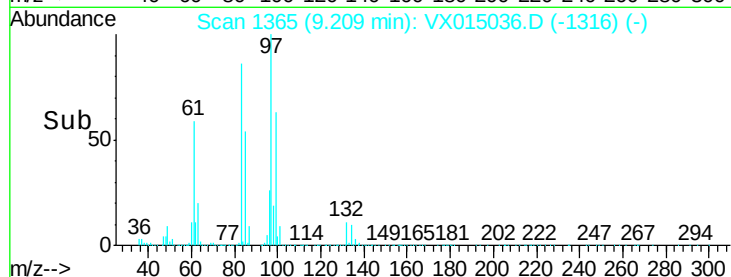
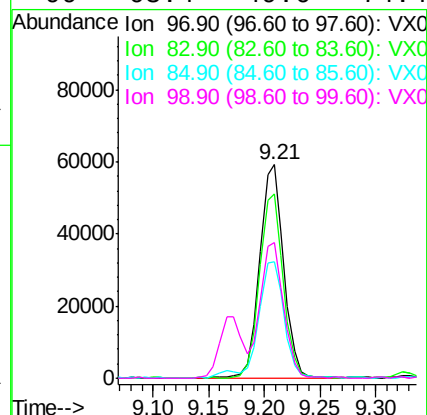
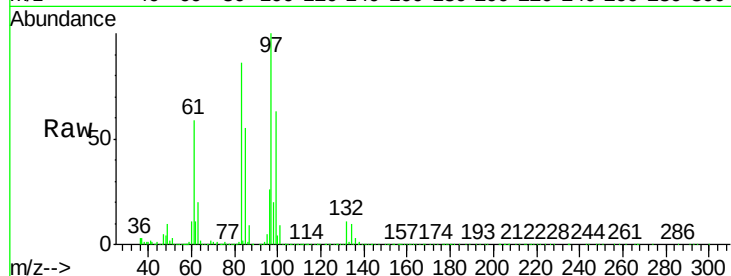
#55
 1,1,2-Trichloroethane
 Concen: 19.544 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX015036.D
 Acq: 27 Feb 2020 10:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0227WBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		88610		
83	86.3	66.6	99.8		
85	54.5	43.5	65.3		
99	63.4	49.6	74.4		

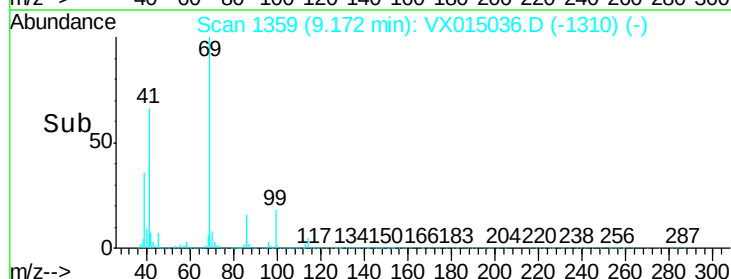
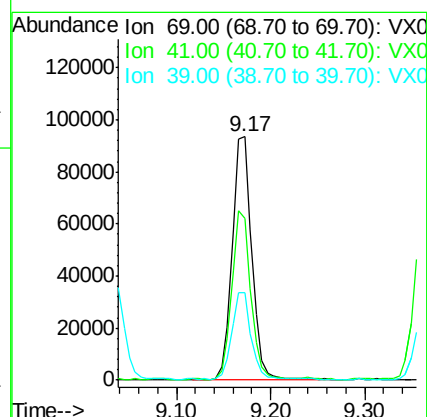
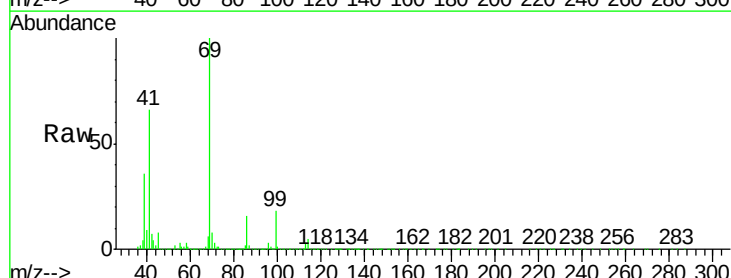
Manual Integrations
 APPROVED

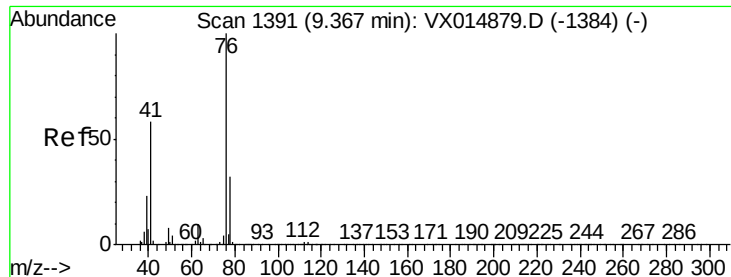
MMDadoda
 2/28/2020 11:28:46 AM



#56
 Ethyl methacrylate
 Concen: 19.923 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VX015036.D
 Acq: 27 Feb 2020 10:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		135768		
41	66.2	54.8	82.2		
39	35.0	29.9	44.9		





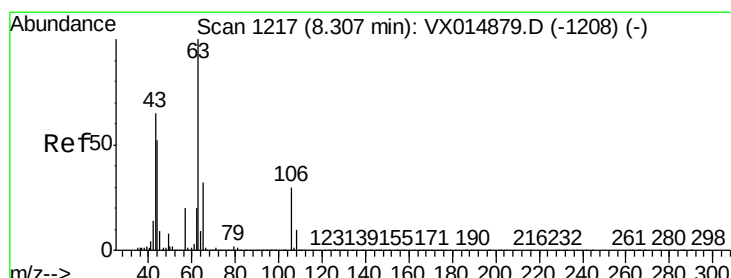
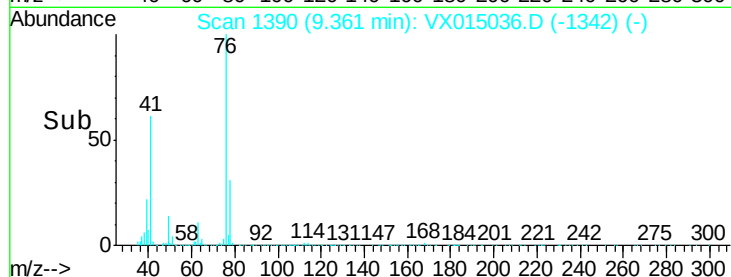
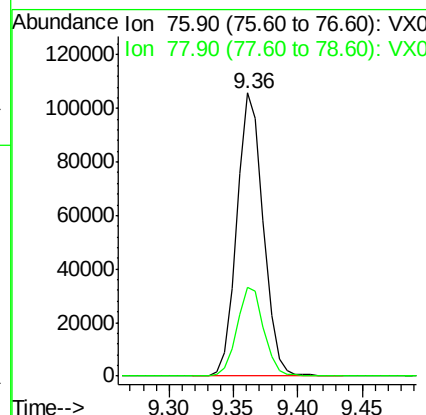
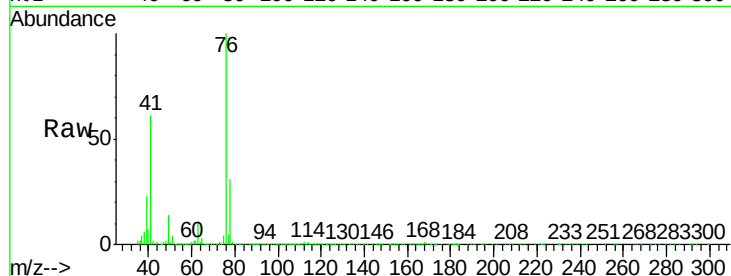
#57
 1,3-Dichloropropane
 Concen: 19.760 ug/l
 RT: 9.36 min Scan# 1390
 Delta R.T. -0.01 min
 Lab File: VX015036.D
 Acq: 27 Feb 2020 10:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0227WBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.8	38.8

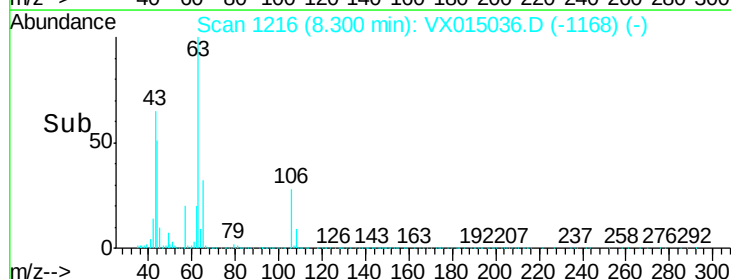
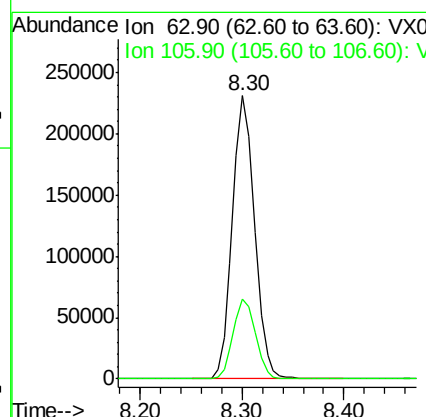
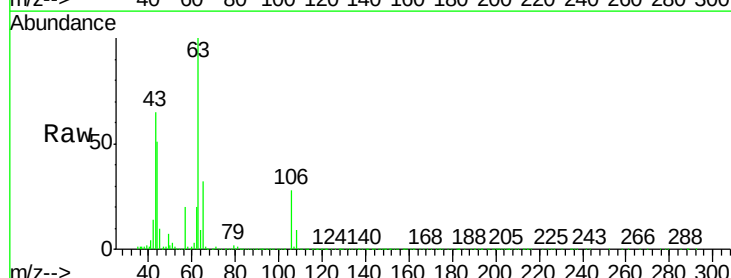
Manual Integrations
 APPROVED

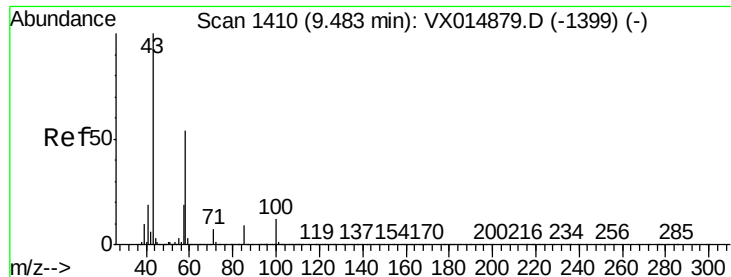
MMDadoda
 2/28/2020 11:28:46 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 97.358 ug/l
 RT: 8.30 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: VX015036.D
 Acq: 27 Feb 2020 10:33

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.7	23.8	35.8





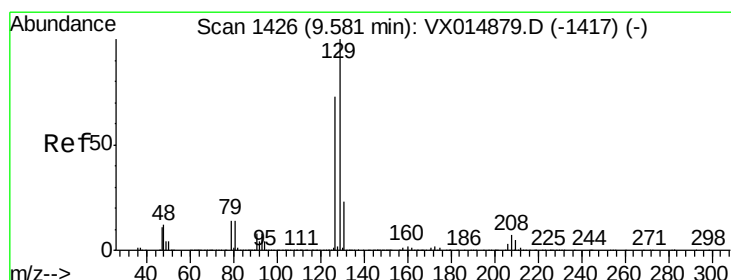
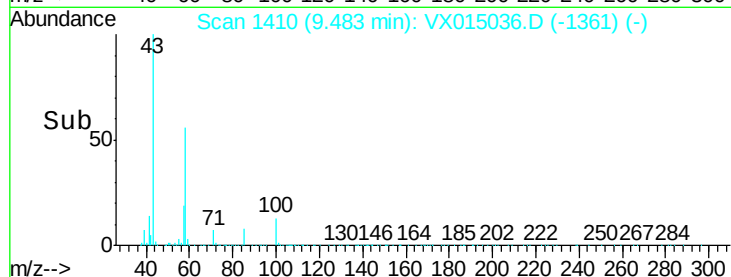
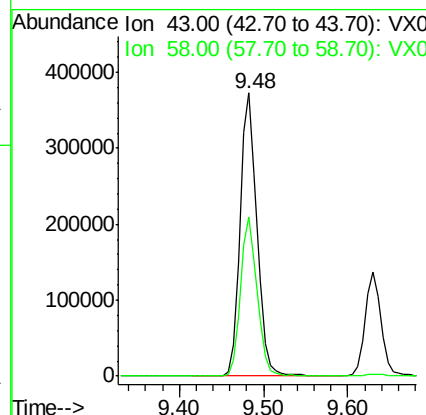
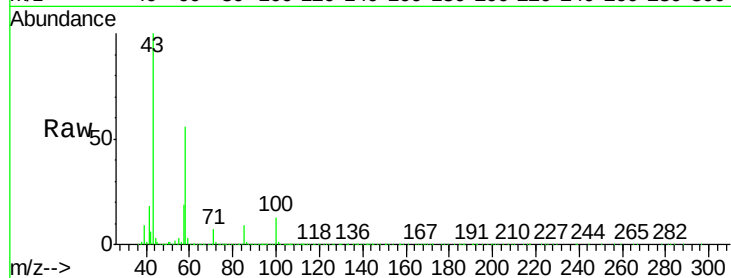
#59
2-Hexanone
Concen: 103.913 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.00 min
Lab File: VX015036.D
Acq: 27 Feb 2020 10:33

Instrument :
MSVOA_X
ClientSampleId :
VX0227WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.6	27.5	82.5

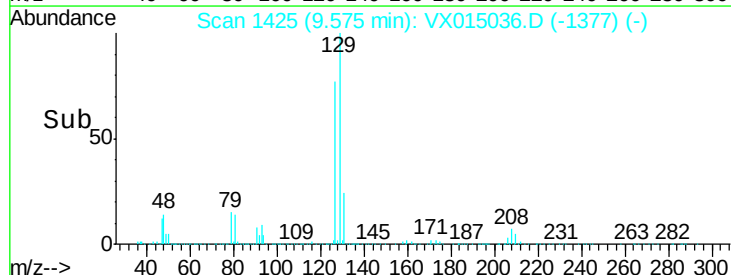
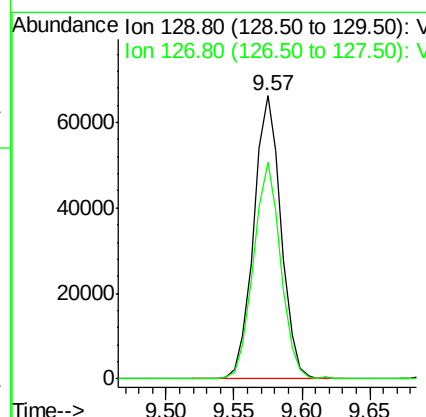
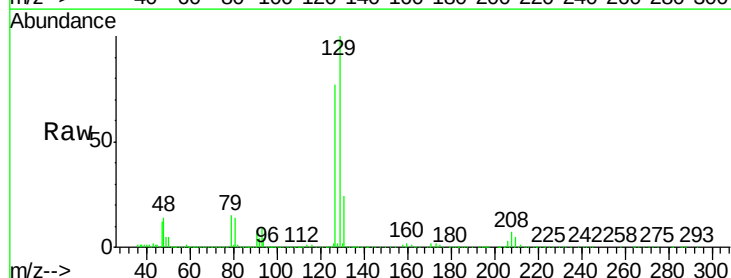
Manual Integrations
APPROVED

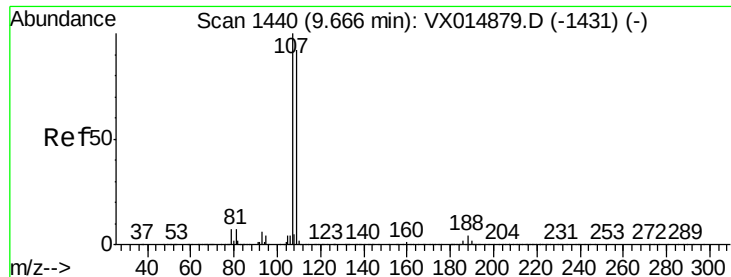
MMDadoda
2/28/2020 11:28:46 AM



#60
Dibromochloromethane
Concen: 19.196 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.01 min
Lab File: VX015036.D
Acq: 27 Feb 2020 10:33

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.6	37.8	113.3





#61

1,2-Dibromoethane

Concen: 19.057 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX015036.D

Acq: 27 Feb 2020 10:33

Instrument :

MSVOA_X

ClientSampleId :

VX0227WBS02

Tot Ion:107 Resp: 93227

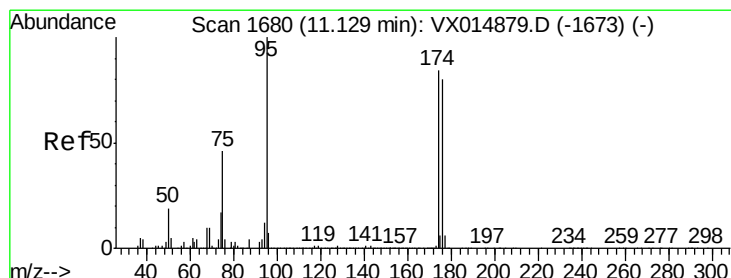
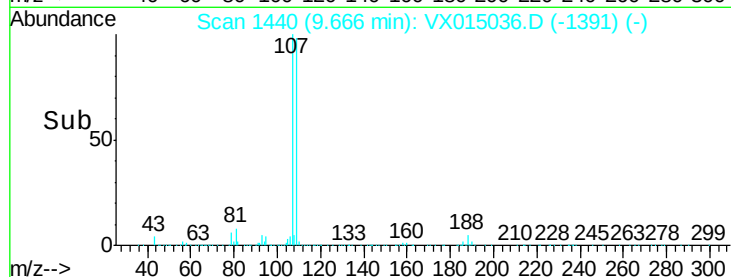
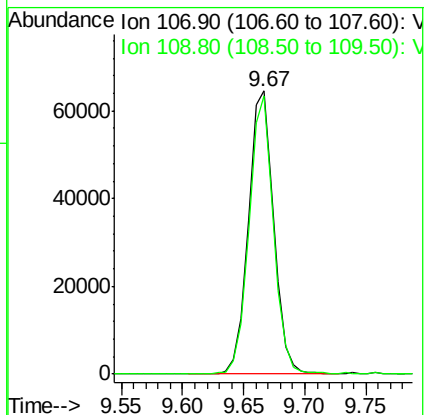
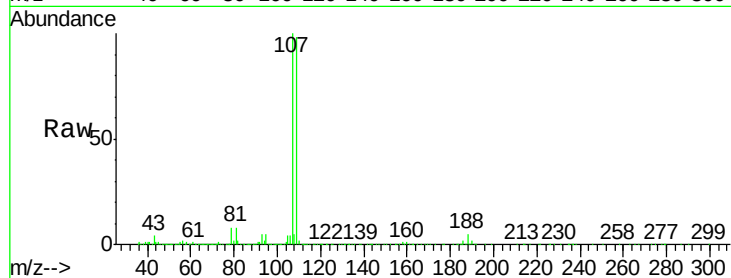
Ion Ratio Lower Upper

107 100

109 94.6 75.6 113.4

Manual Integrations
APPROVED

MMDadoda
2/28/2020 11:28:46 AM



#62

4-Bromofluorobenzene

Concen: 49.116 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VX015036.D

Acq: 27 Feb 2020 10:33

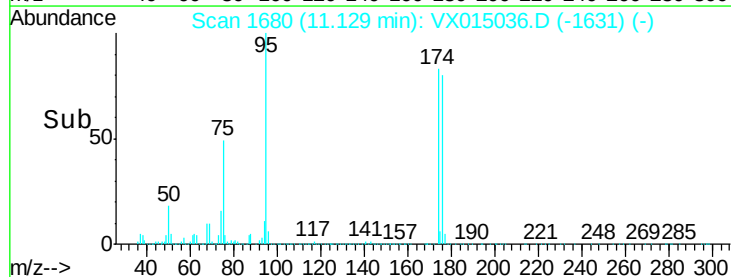
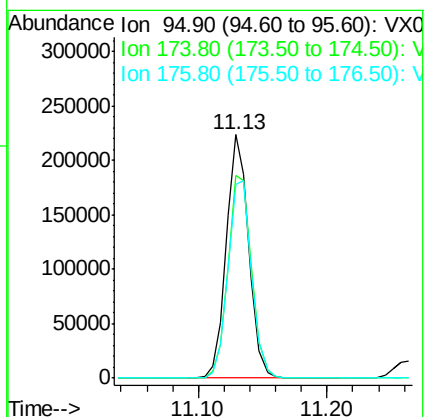
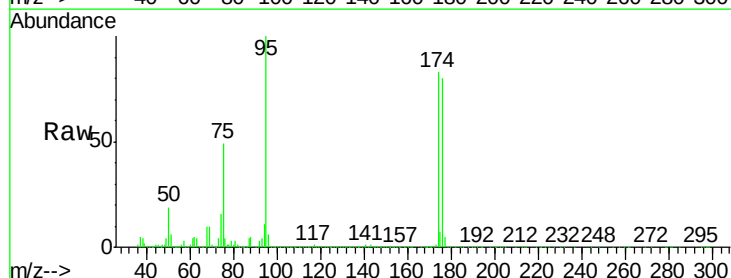
Tgt Ion: 95 Resp: 274093

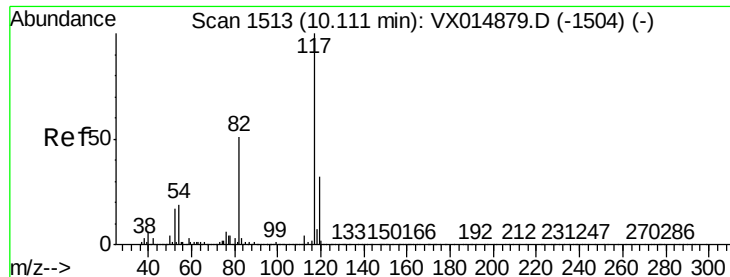
Ion Ratio Lower Upper

95 100

174 88.0 0.0 183.0

176 85.8 0.0 178.0





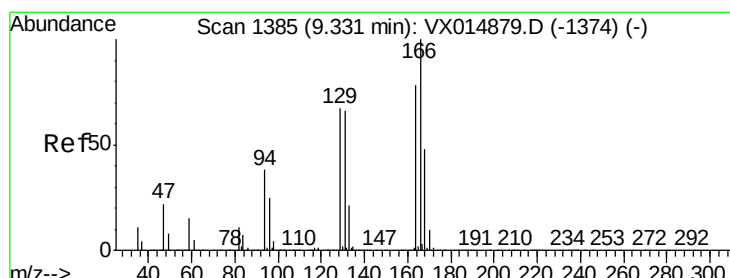
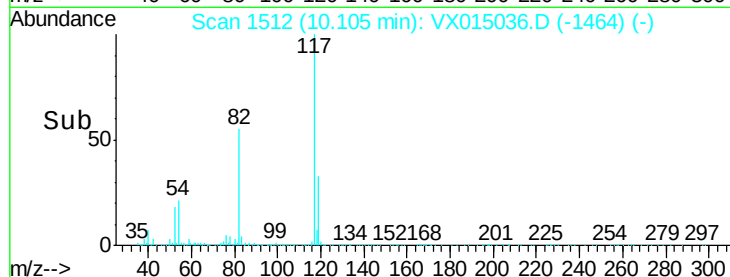
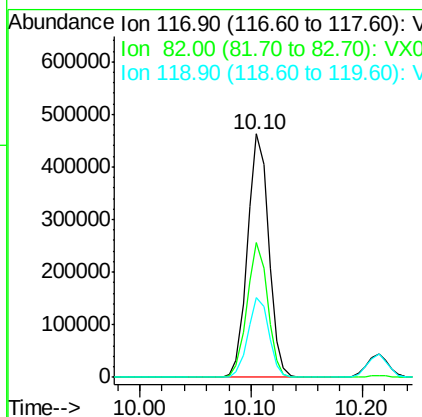
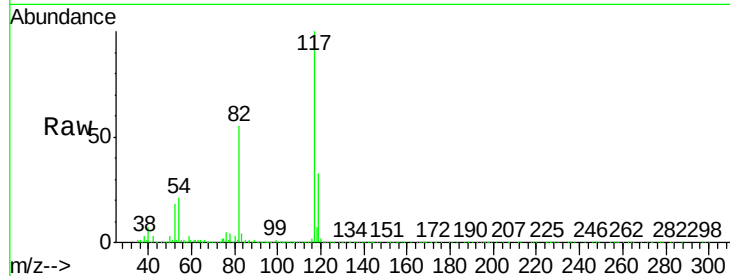
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX015036.D
Acq: 27 Feb 2020 10:33

Instrument :
MSVOA_X
ClientSampleId :
VX0227WBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.2	40.5	60.7
119	32.5	25.8	38.6

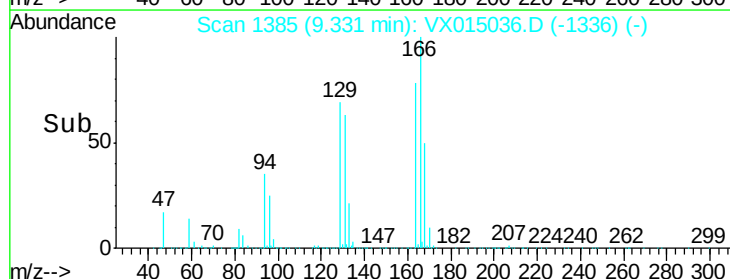
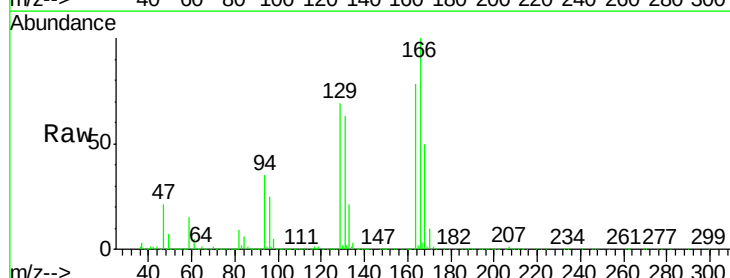
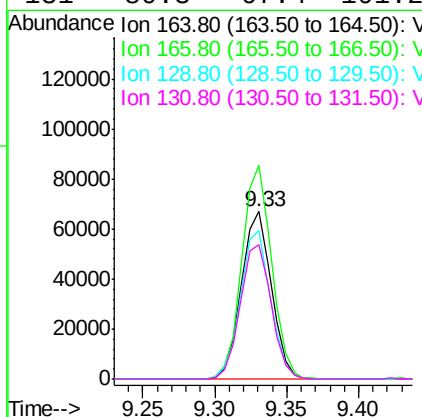
Manual Integrations
APPROVED

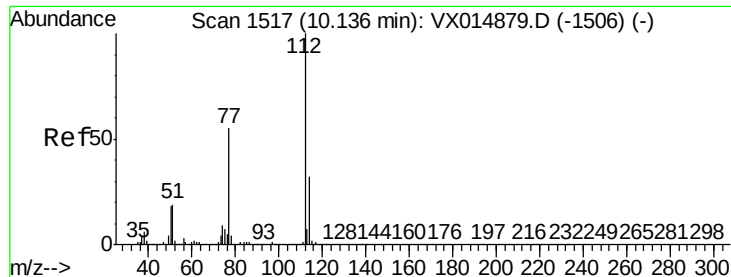
MMDadoda
2/28/2020 11:28:46 AM



#64
Tetrachloroethene
Concen: 16.941 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX015036.D
Acq: 27 Feb 2020 10:33

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.5	102.6	153.8
129	88.4	68.3	102.5
131	80.3	67.4	101.2





#65

Chlorobenzene

Concen: 19.195 ug/l

RT: 10.13 min Scan# 1516

Delta R.T. -0.01 min

Lab File: VX015036.D

Acq: 27 Feb 2020 10:33

Instrument :

MSVOA_X

ClientSampleId :

VX0227WBS02

Tot Ion:112 Resp: 237693

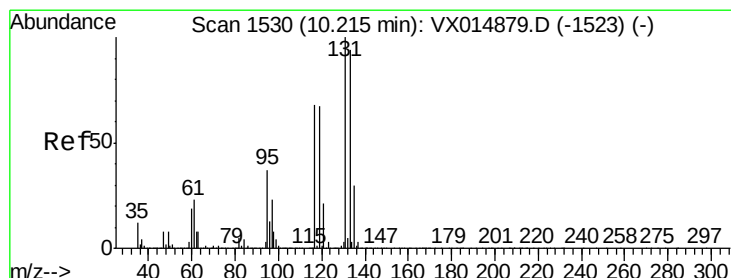
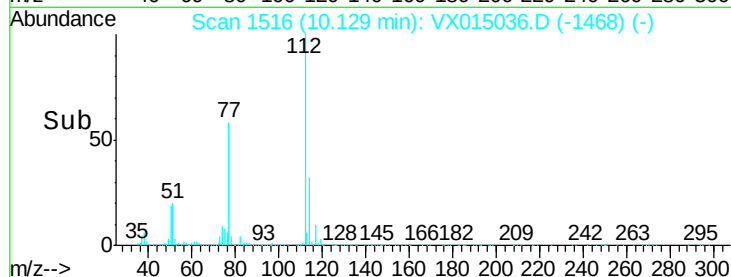
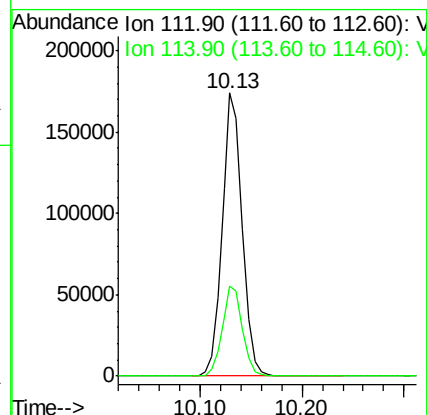
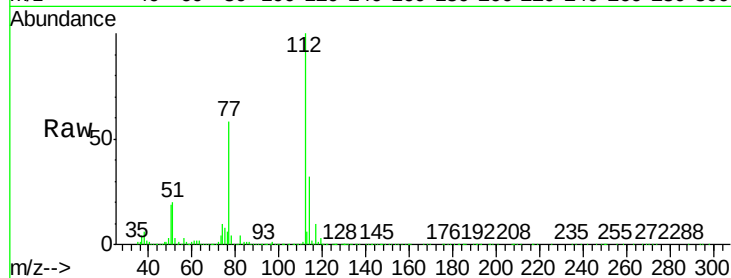
Ion Ratio Lower Upper

112 100

114 31.9 25.6 38.4

Manual Integrations
APPROVED

MMDadoda
2/28/2020 11:28:46 AM



#66

1,1,1,2-Tetrachloroethane

Concen: 19.559 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VX015036.D

Acq: 27 Feb 2020 10:33

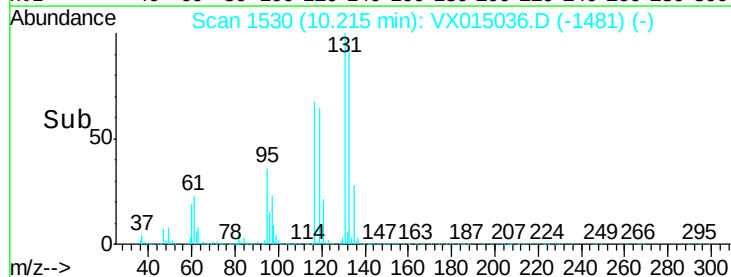
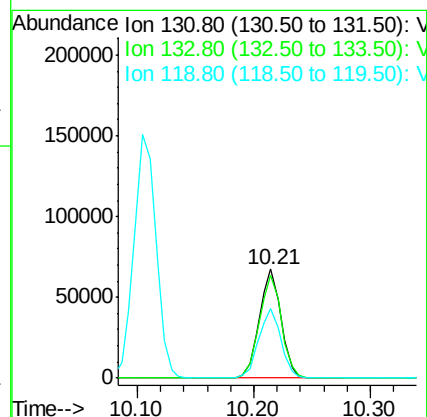
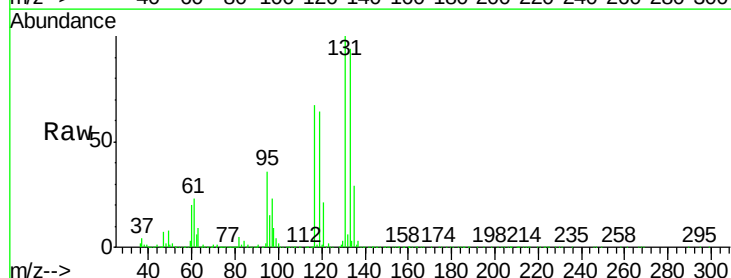
Tgt Ion:131 Resp: 87934

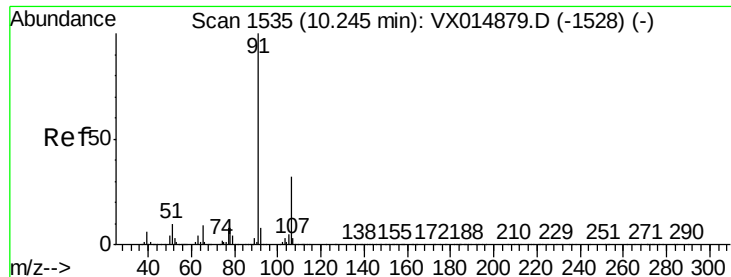
Ion Ratio Lower Upper

131 100

133 96.3 48.1 144.4

119 65.4 33.0 99.0





#67

Ethyl Benzene

Concen: 19.478 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VX015036.D

Acq: 27 Feb 2020 10:33

Instrument :

MSVOA_X

ClientSampleId :

VX0227WBS02

Tot Ion: 91 Resp: 410204

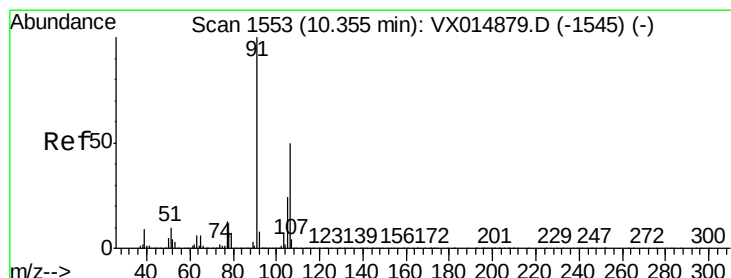
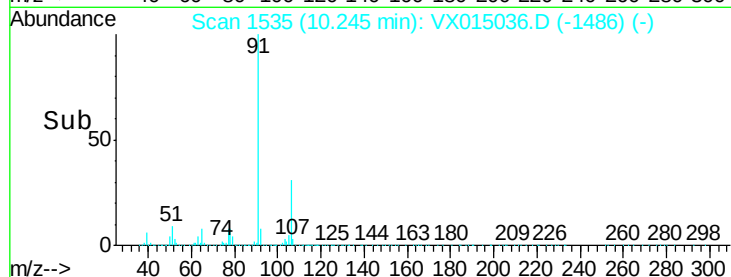
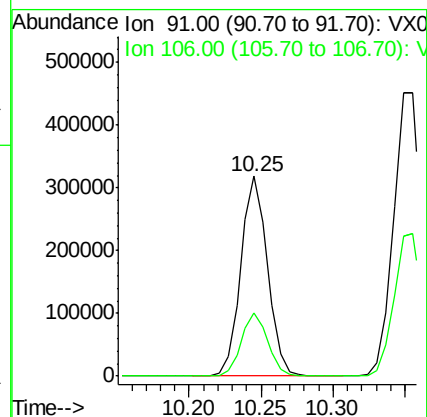
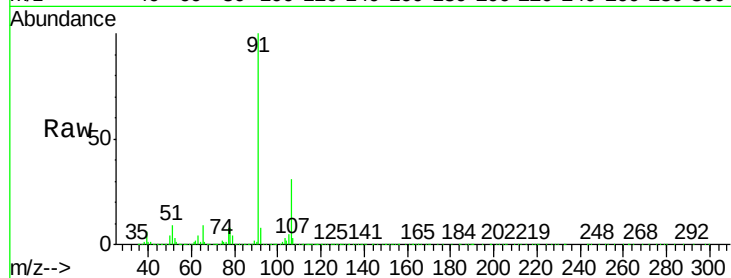
Ion Ratio Lower Upper

91 100

106 31.5 25.3 37.9

Manual Integrations
APPROVED

MMDadoda
2/28/2020 11:28:46 AM



#68

m/p-Xylenes

Concen: 38.877 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. -0.00 min

Lab File: VX015036.D

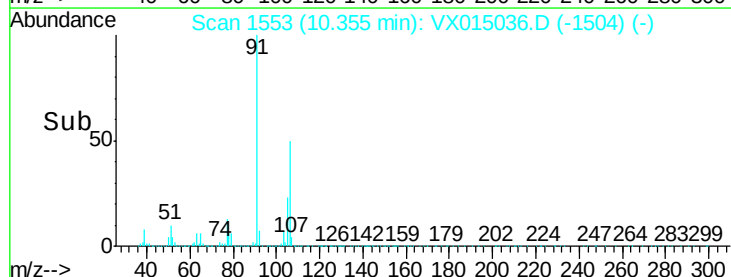
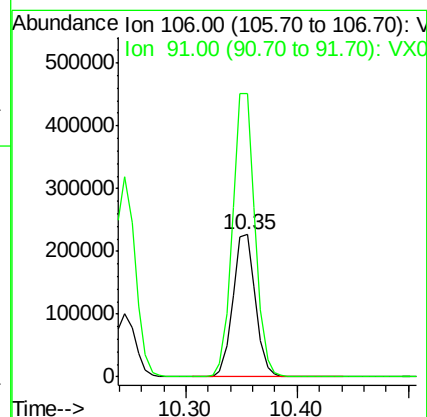
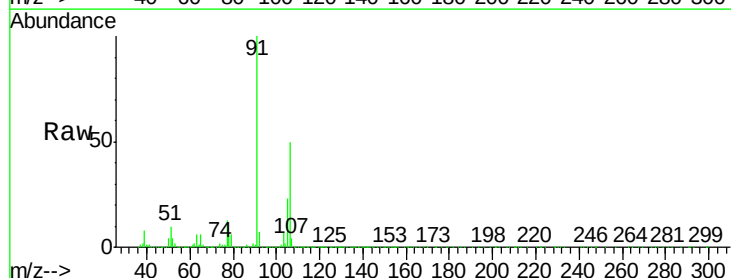
Acq: 27 Feb 2020 10:33

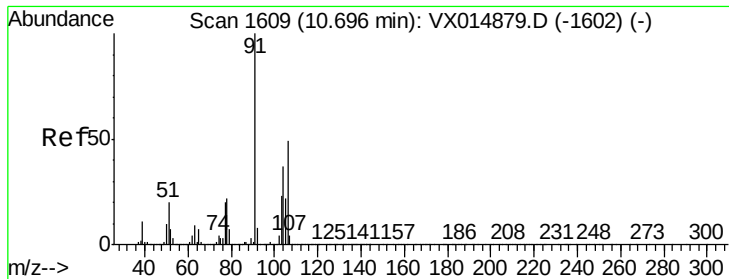
Tgt Ion: 106 Resp: 315414

Ion Ratio Lower Upper

106 100

91 198.5 160.6 240.8





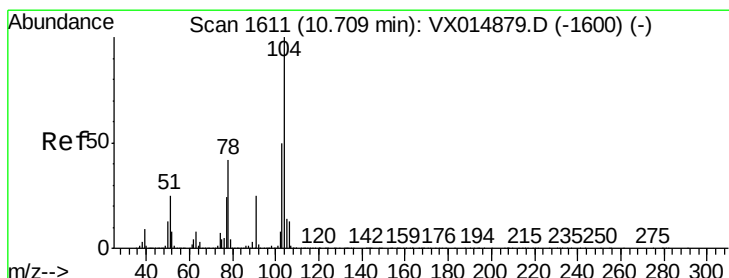
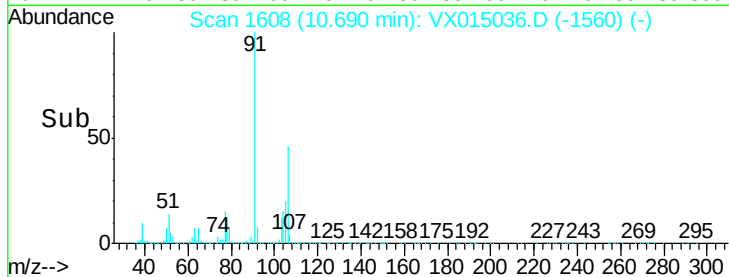
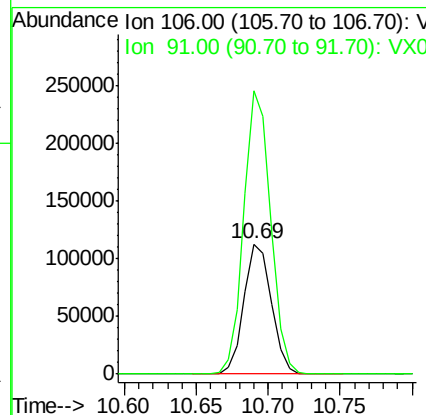
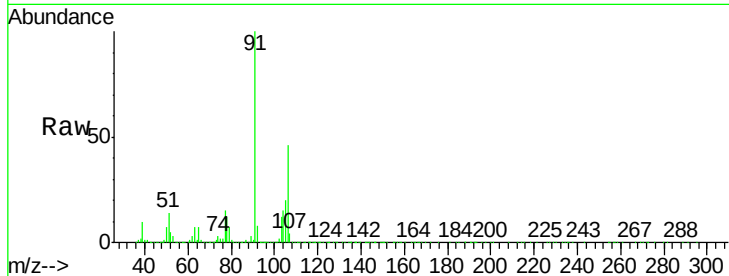
#69
o-Xylene
Concen: 19.187 ug/l
RT: 10.69 min Scan# 1608
Delta R.T. -0.01 min
Lab File: VX015036.D
Acq: 27 Feb 2020 10:33

Instrument :
MSVOA_X
ClientSampled :
VX0227WBS02

Tot Ion	Ratio	Resp	Lower	Upper
106	100	149641		
91	213.2	105.1	315.3	

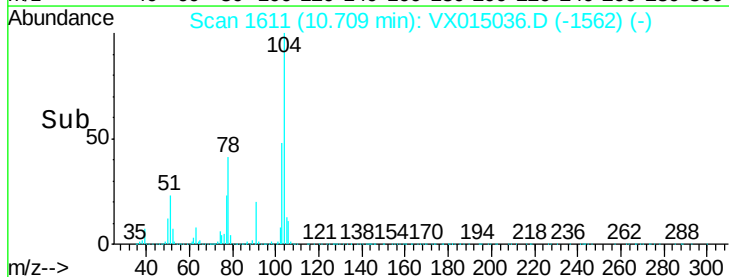
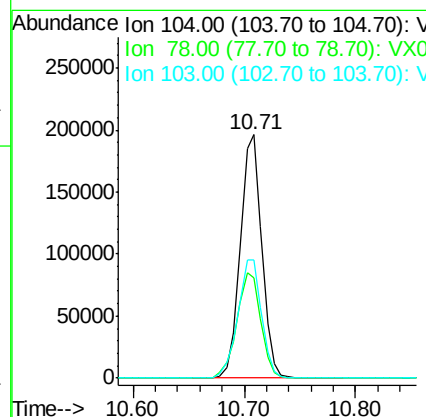
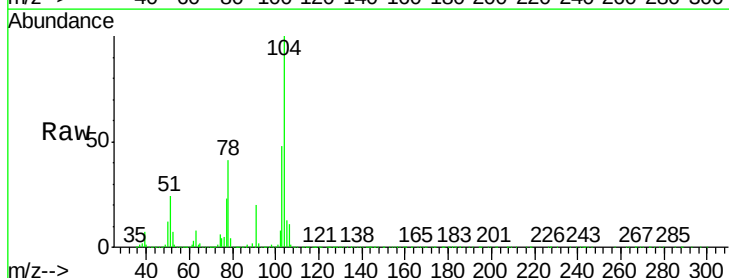
Manual Integrations
APPROVED

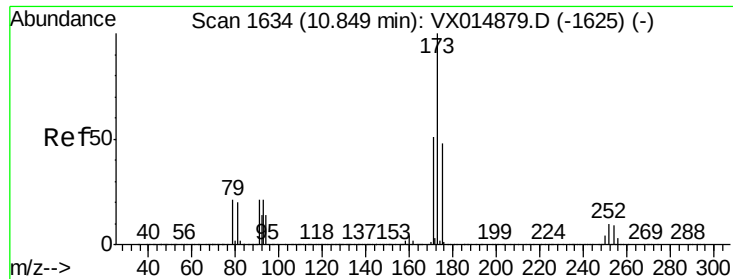
MMDadoda
2/28/2020 11:28:46 AM



#70
Styrene
Concen: 19.808 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX015036.D
Acq: 27 Feb 2020 10:33

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	261343		
78	48.3	39.0	58.4	
103	53.8	43.4	65.0	





#71

Bromoform

Concen: 18.904 ug/l

RT: 10.85 min Scan# 1634

Delta R.T. -0.00 min

Lab File: VX015036.D

Acq: 27 Feb 2020 10:33

Instrument :

MSVOA_X

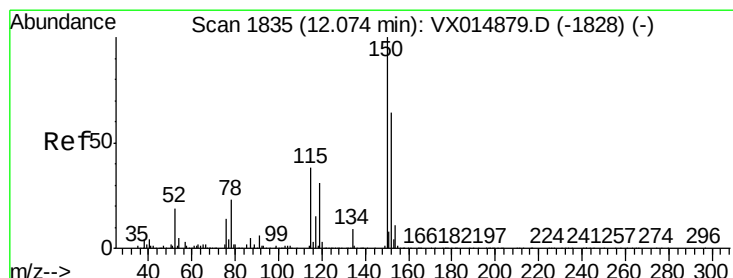
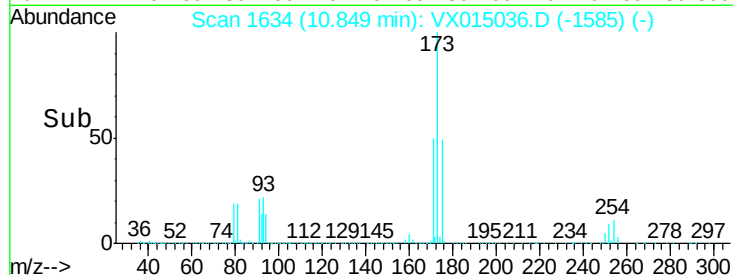
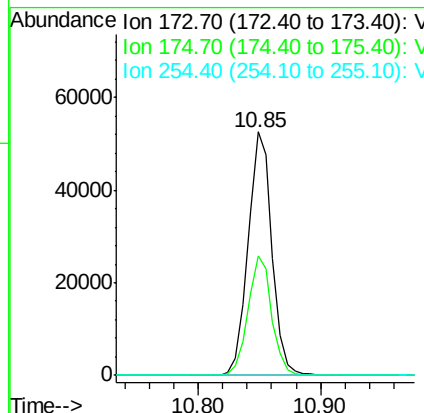
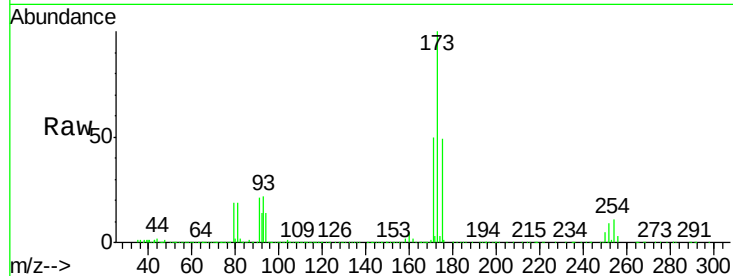
ClientSampleId :

VX0227WBS02

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.2	72.6
254	0.1	0.2	0.2

Manual Integrations
APPROVED

MMDadoda
2/28/2020 11:28:46 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

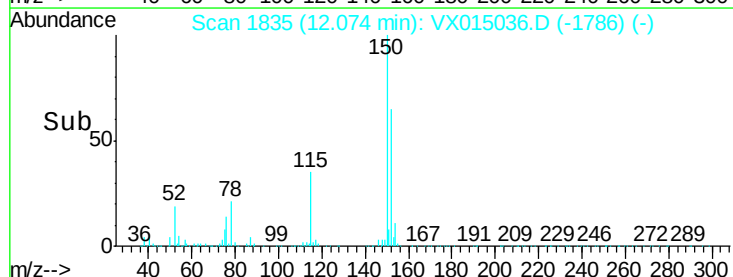
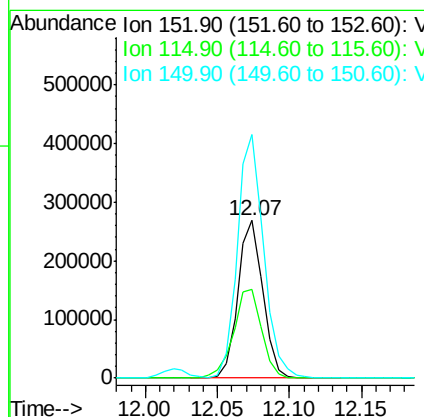
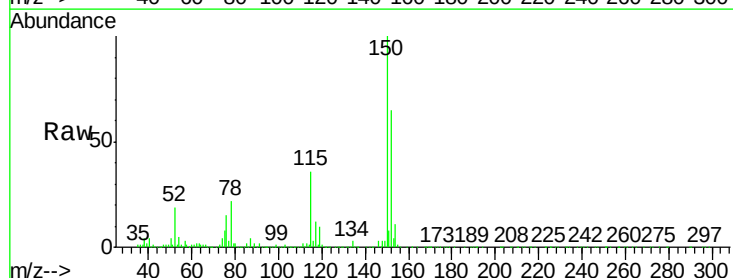
RT: 12.07 min Scan# 1835

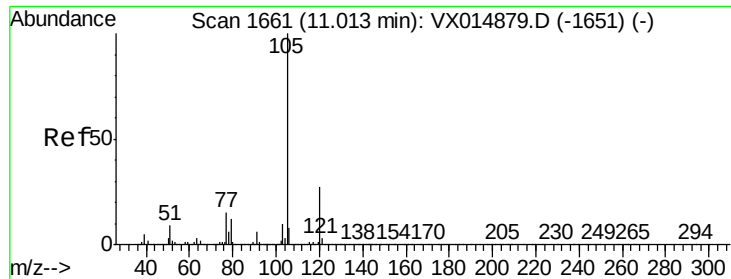
Delta R.T. -0.00 min

Lab File: VX015036.D

Acq: 27 Feb 2020 10:33

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.1	38.6	116.0
150	162.6	0.0	349.0





#73

Isopropylbenzene

Concen: 20.196 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX015036.D

Acq: 27 Feb 2020 10:33

Instrument :

MSVOA_X

ClientSampleId :

VX0227WBS02

Tot Ion:105 Resp: 411396

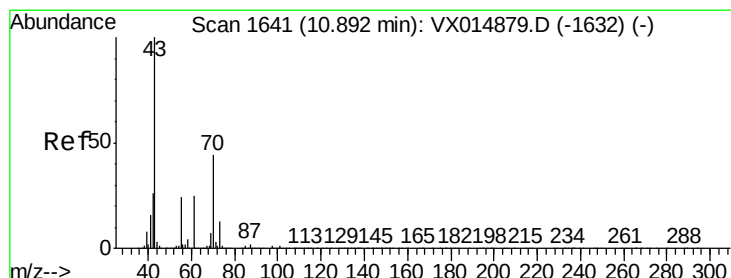
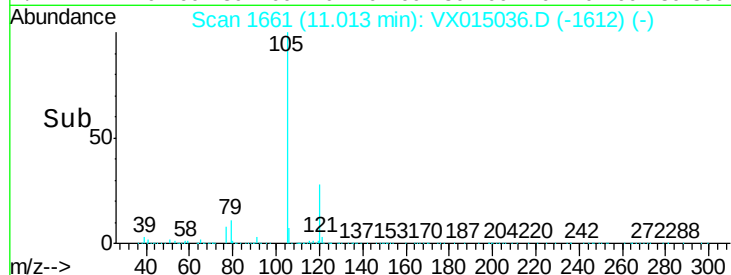
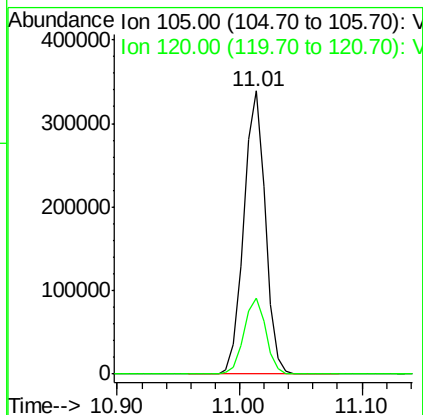
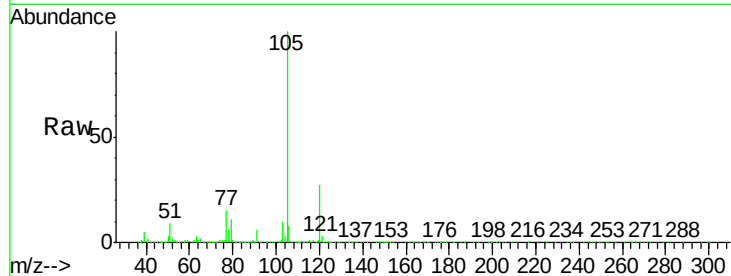
Ion Ratio Lower Upper

105 100

120 27.2 13.6 40.8

Manual Integrations
APPROVED

MMDadoda
2/28/2020 11:28:46 AM



#74

N-ethyl acetate

Concen: 19.827 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX015036.D

Acq: 27 Feb 2020 10:33

Tgt Ion: 43 Resp: 167813

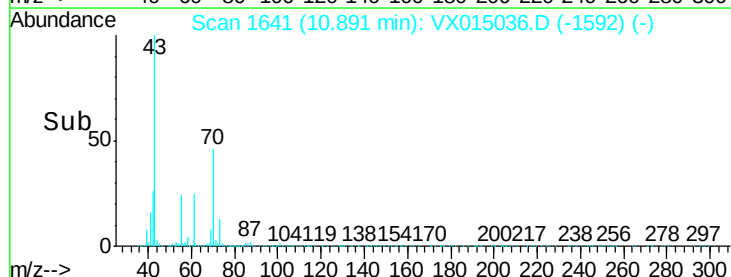
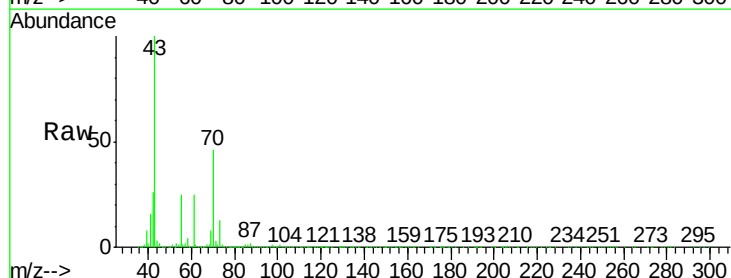
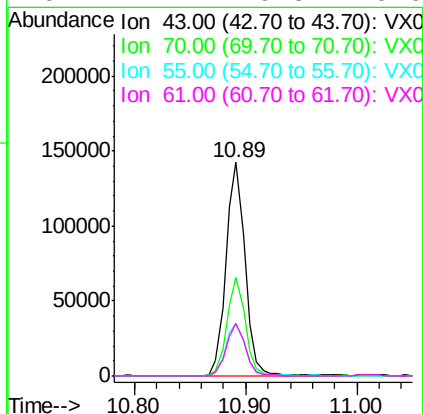
Ion Ratio Lower Upper

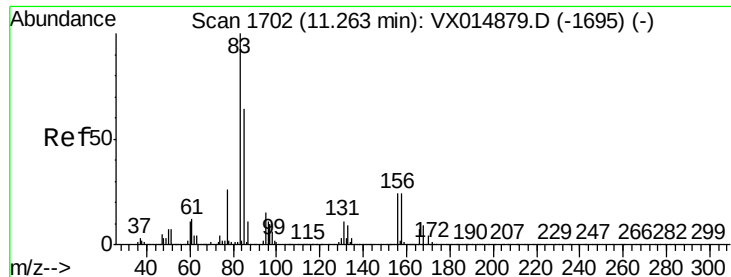
43 100

70 44.8 35.0 52.4

55 25.4 19.4 29.2

61 24.7 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 20.555 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX015036.D

Acq: 27 Feb 2020 10:33

Instrument :

MSVOA_X

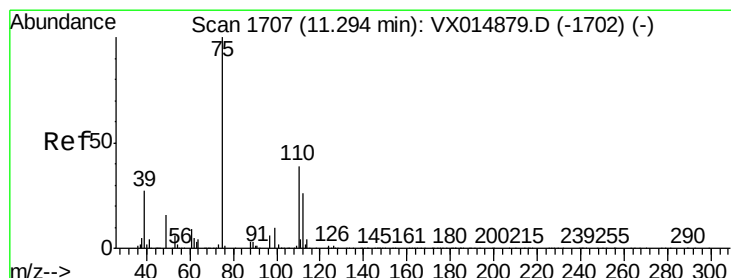
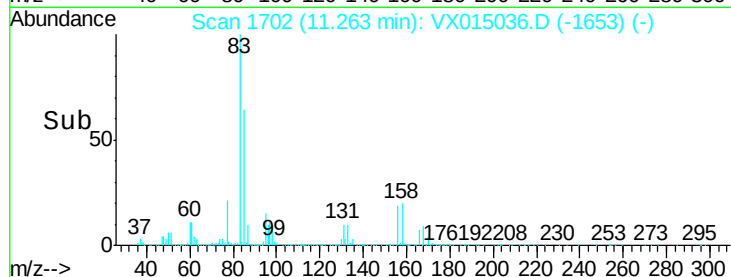
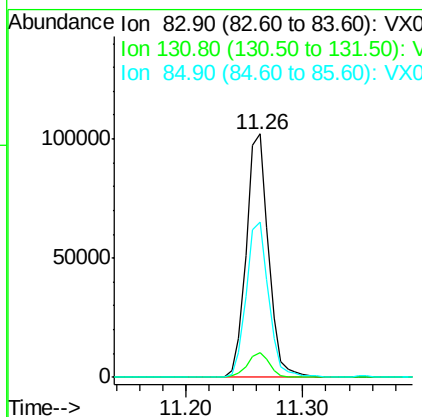
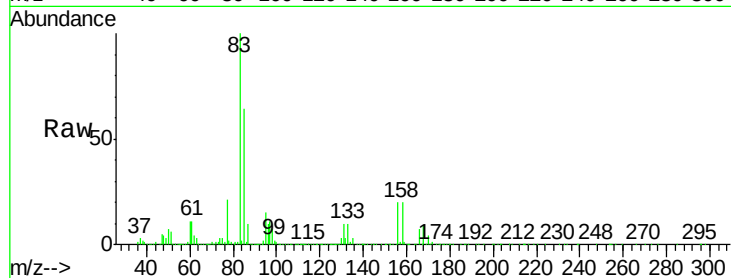
ClientSampleId :

VX0227WBS02

Tot Ion:	83	Resp:	136867
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.3	16.1
85	64.1	32.6	97.7

Manual Integrations
APPROVED

MMDadoda
2/28/2020 11:28:46 AM



#76

1,2,3-Trichloropropane

Concen: 19.542 ug/l m

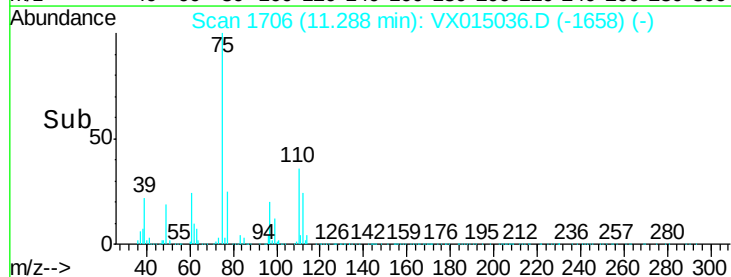
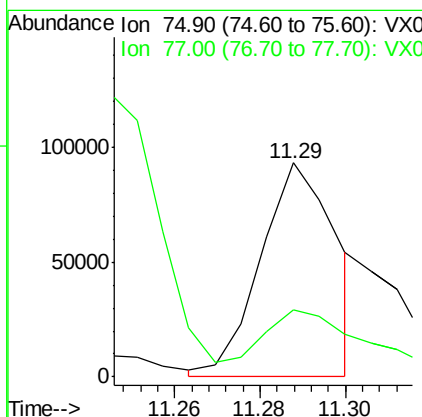
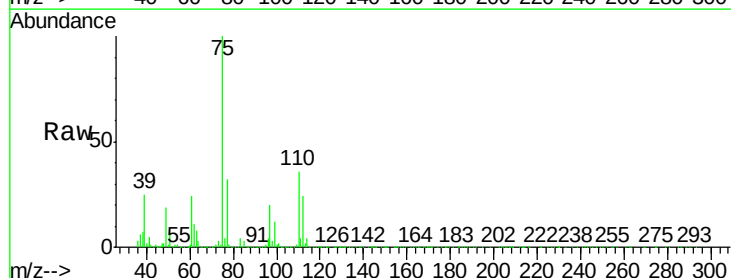
RT: 11.29 min Scan# 1706

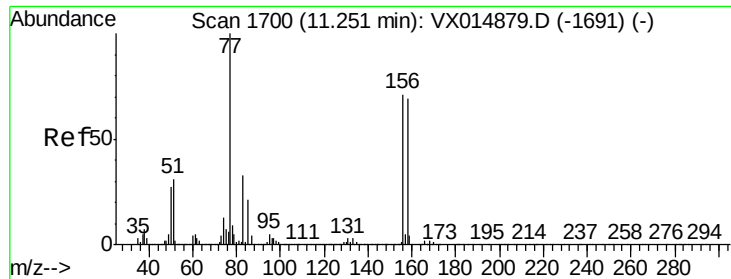
Delta R.T. -0.01 min

Lab File: VX015036.D

Acq: 27 Feb 2020 10:33

Tgt Ion:	75	Resp:	114787
Ion Ratio	Lower	Upper	
75	100		
77	43.9	18.4	55.0





#77

Bromobenzene

Concen: 19.075 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX015036.D

Acq: 27 Feb 2020 10:33

Instrument :

MSVOA_X

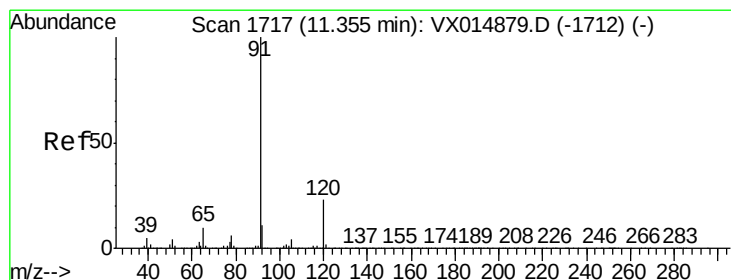
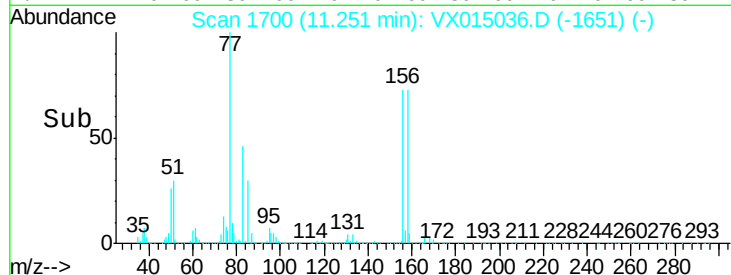
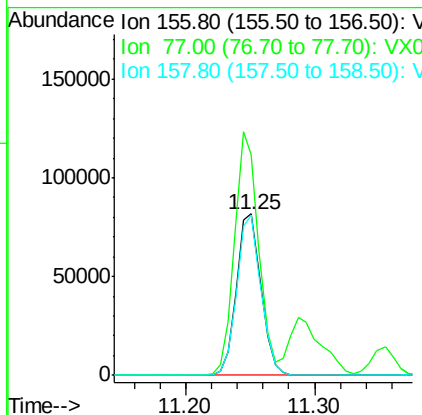
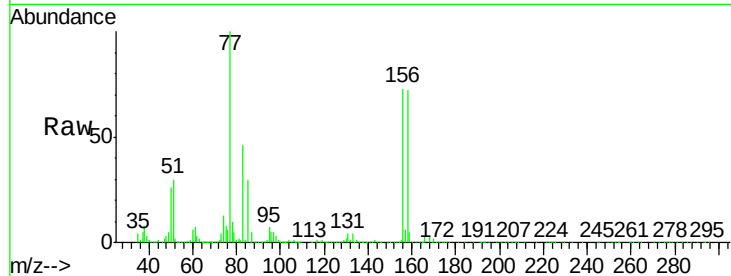
ClientSampleId :

VX0227WBS02

Tot Ion	Ratio	Lower	Upper
156	100		
77	147.1	74.0	222.0
158	97.9	48.9	146.6

Manual Integrations
APPROVED

MMDadoda
2/28/2020 11:28:46 AM



#78

n-propylbenzene

Concen: 19.874 ug/l

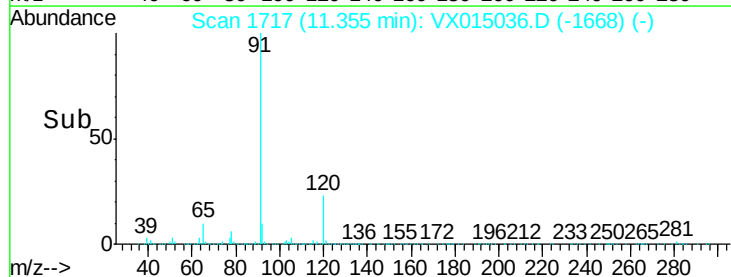
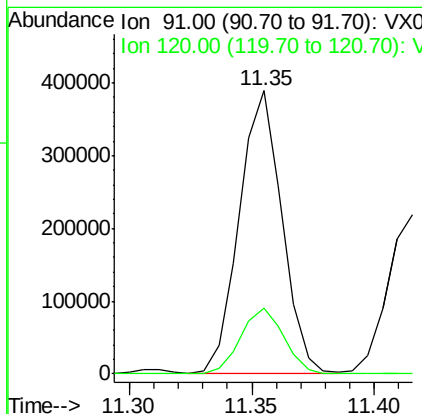
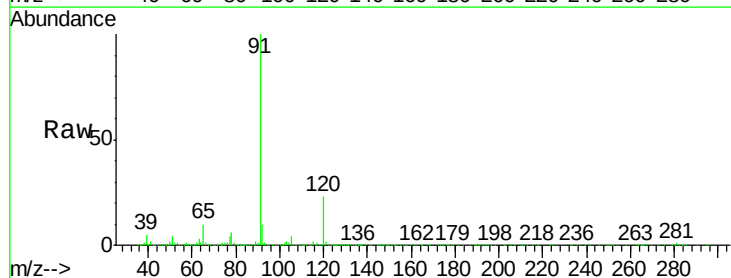
RT: 11.35 min Scan# 1717

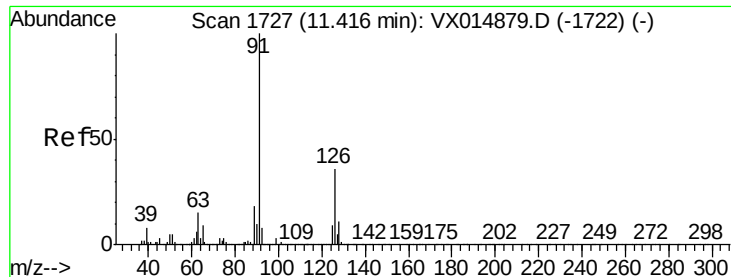
Delta R.T. -0.00 min

Lab File: VX015036.D

Acq: 27 Feb 2020 10:33

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.8	11.8	35.4





#79

2-Chlorotoluene

Concen: 19.865 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VX015036.D

Acq: 27 Feb 2020 10:33

Instrument :

MSVOA_X

ClientSampled :

VX0227WBS02

Tot Ion: 91 Resp: 275139

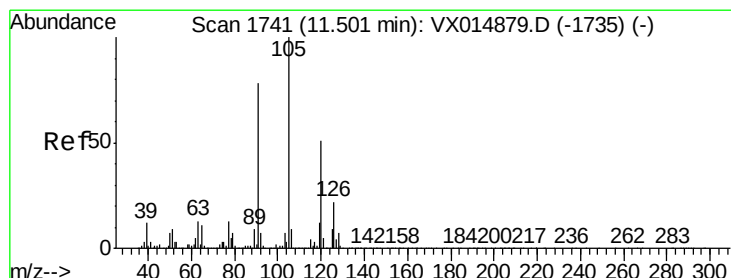
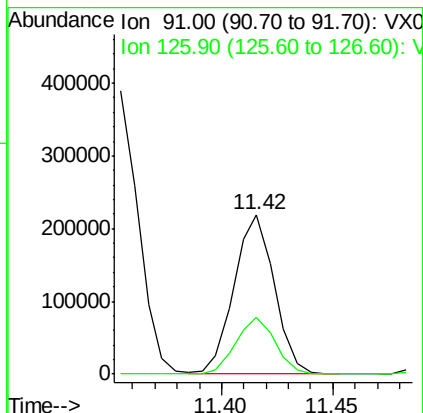
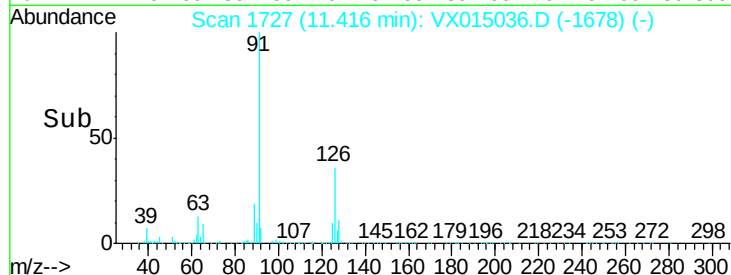
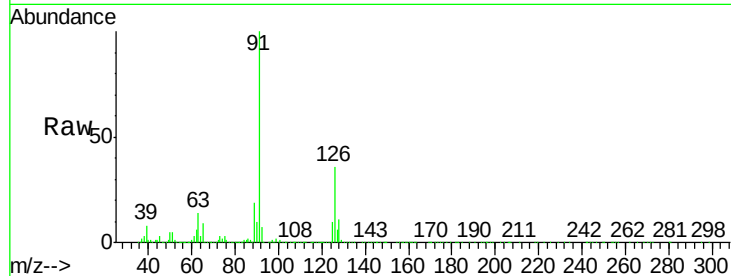
Ion Ratio Lower Upper

91 100

126 35.3 18.0 54.0

Manual Integrations
APPROVED

MMDadoda
2/28/2020 11:28:46 AM



#80

1,3,5-Trimethylbenzene

Concen: 20.038 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX015036.D

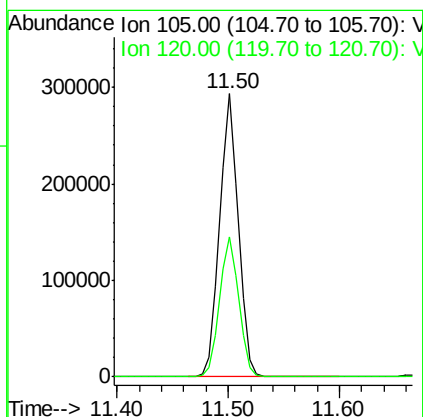
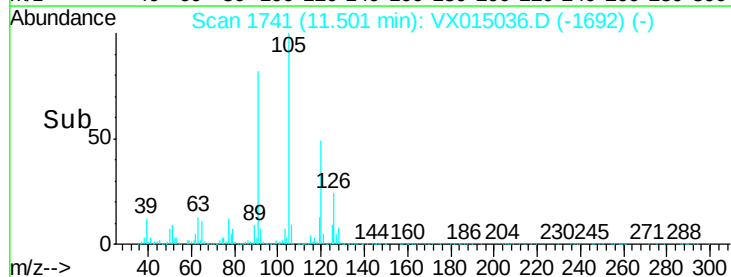
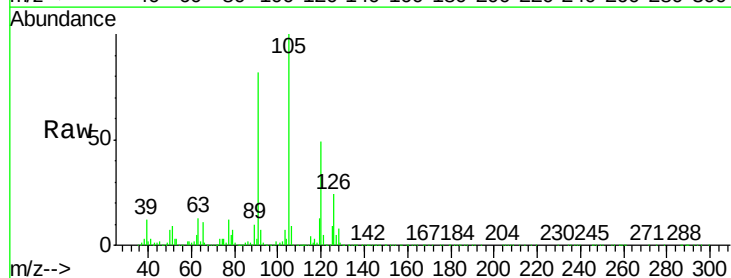
Acq: 27 Feb 2020 10:33

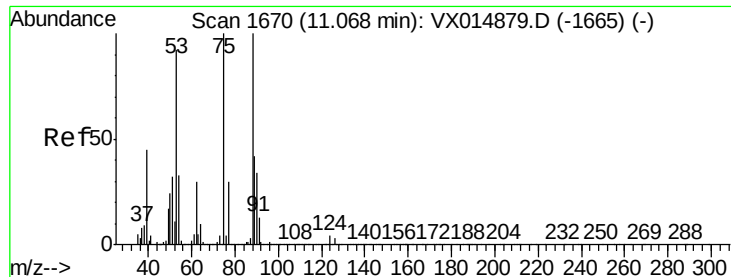
Tgt Ion: 105 Resp: 341044

Ion Ratio Lower Upper

105 100

120 50.4 25.6 76.6





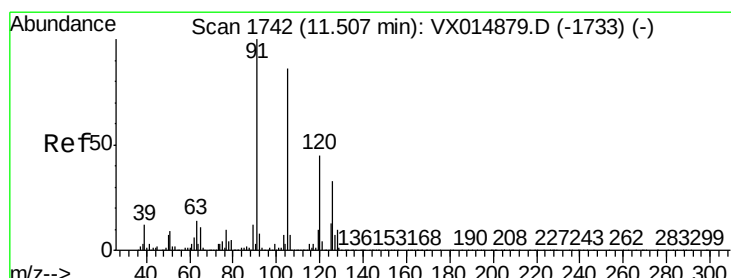
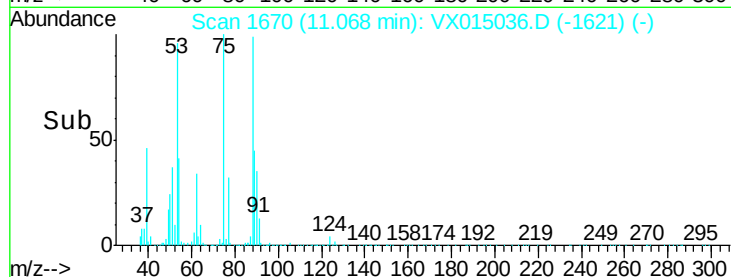
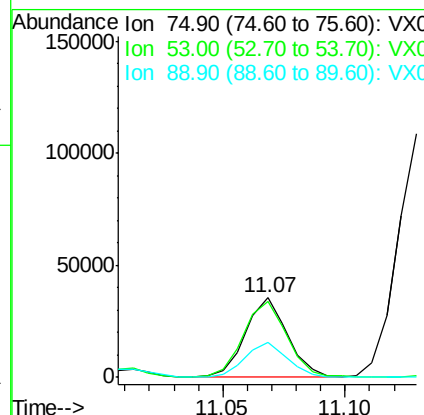
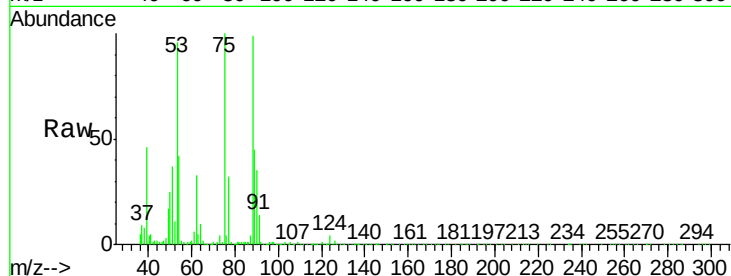
#81
trans-1,4-Dichloro-2-butene
Concen: 18.194 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VX015036.D
Acq: 27 Feb 2020 10:33

Instrument :
MSVOA_X
ClientSampleId :
VX0227WBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	99.6	76.2	114.2
89	46.1	35.8	53.6

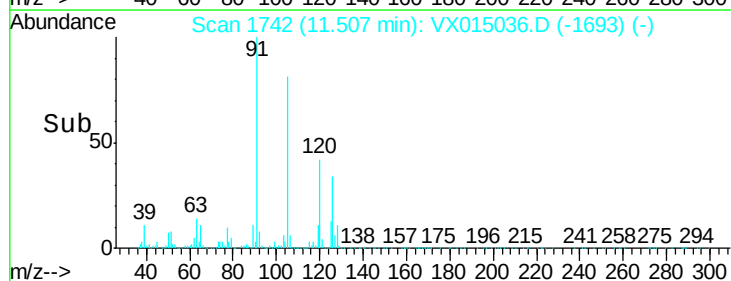
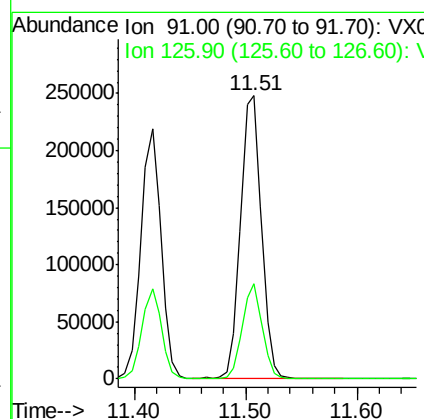
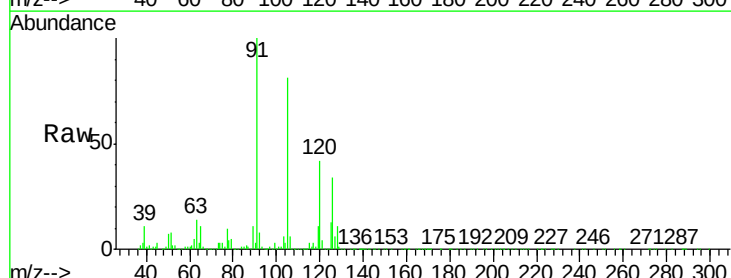
Manual Integrations
APPROVED

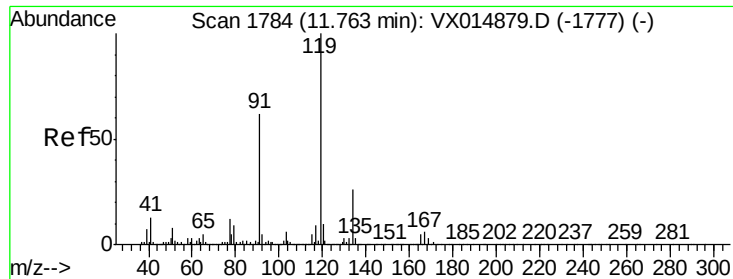
MMDadoda
2/28/2020 11:28:46 AM



#82
4-Chlorotoluene
Concen: 19.628 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VX015036.D
Acq: 27 Feb 2020 10:33

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.8	15.7	47.0





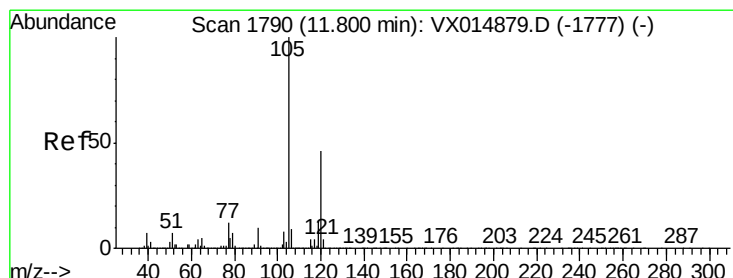
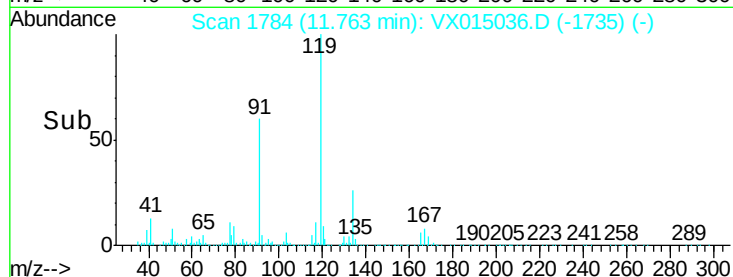
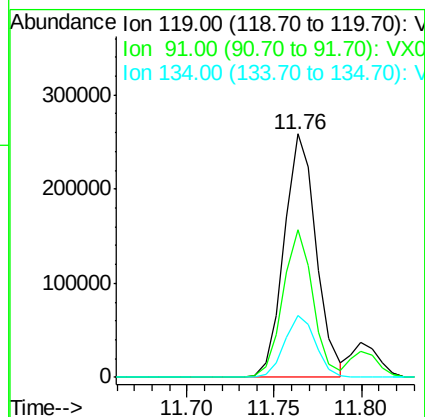
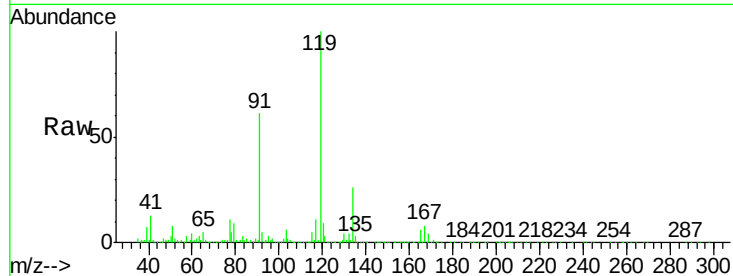
#83
tert-Butylbenzene
Concen: 20.561 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. -0.00 min
Lab File: VX015036.D
Acq: 27 Feb 2020 10:33

Instrument :
MSVOA_X
ClientSampleId :
VX0227WBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	331382		
91	56.7	29.5	88.6	
134	24.8	12.6	37.6	

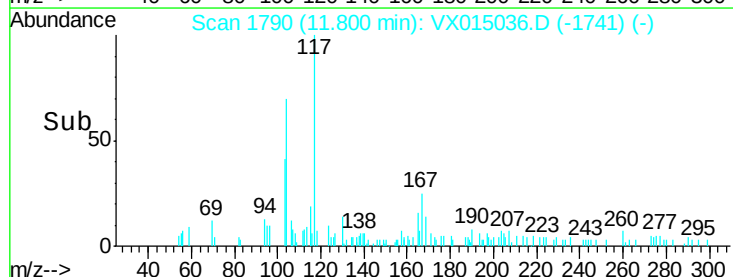
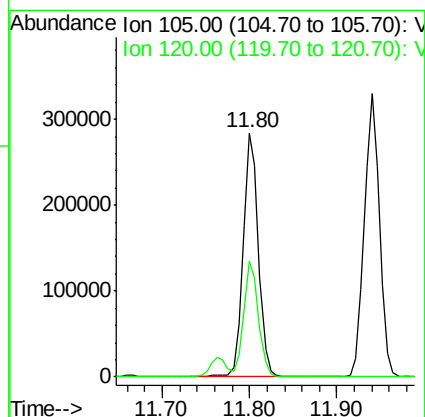
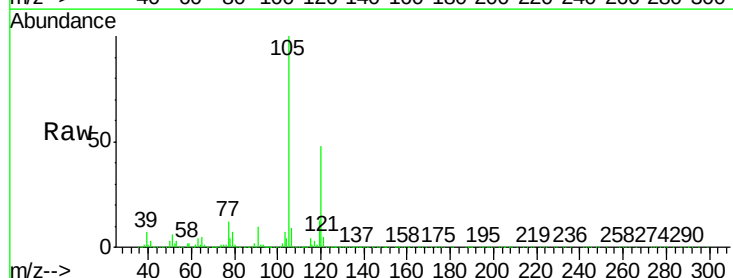
Manual Integrations
APPROVED

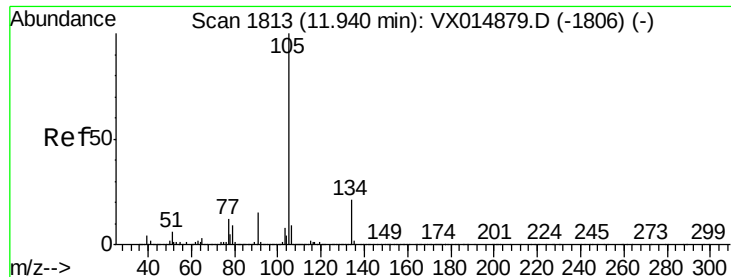
MMDadoda
2/28/2020 11:28:46 AM



#84
1,2,4-Trimethylbenzene
Concen: 20.090 ug/l
RT: 11.80 min Scan# 1790
Delta R.T. -0.00 min
Lab File: VX015036.D
Acq: 27 Feb 2020 10:33

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	344599		
120	46.1	23.0	69.0	





#85

sec-Butylbenzene

Concen: 19.846 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX015036.D

Acq: 27 Feb 2020 10:33

Instrument :

MSVOA_X

ClientSampleId :

VX0227WBS02

Tot Ion:105 Resp: 397372

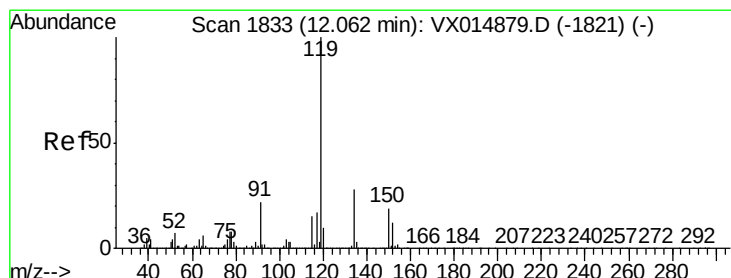
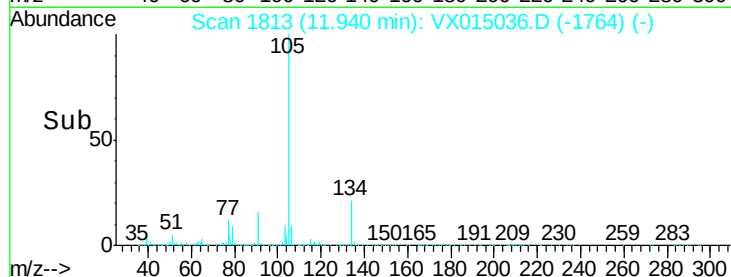
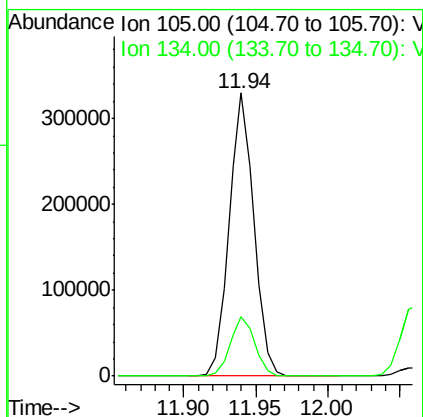
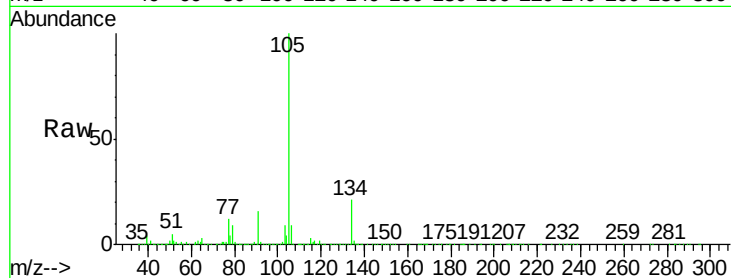
Ion Ratio Lower Upper

105 100

134 21.0 10.6 31.8

Manual Integrations
APPROVED

MMDadoda
2/28/2020 11:28:46 AM



#86

p-Isopropyltoluene

Concen: 20.016 ug/l

RT: 12.06 min Scan# 1832

Delta R.T. -0.01 min

Lab File: VX015036.D

Acq: 27 Feb 2020 10:33

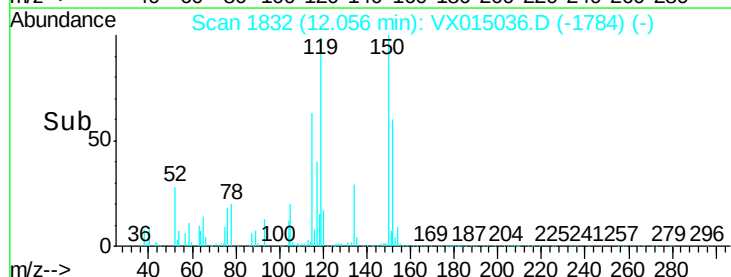
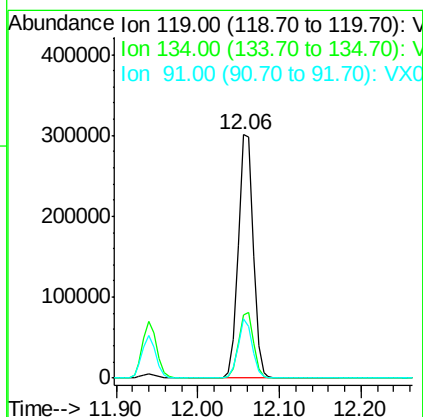
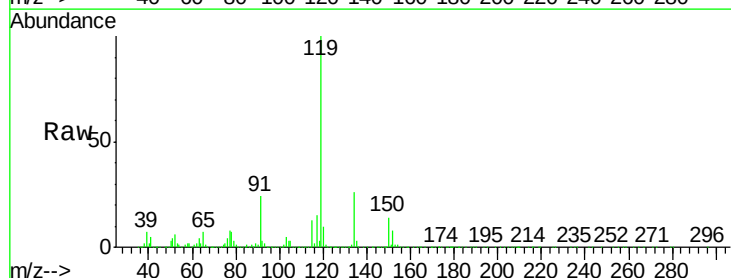
Tgt Ion:119 Resp: 375029

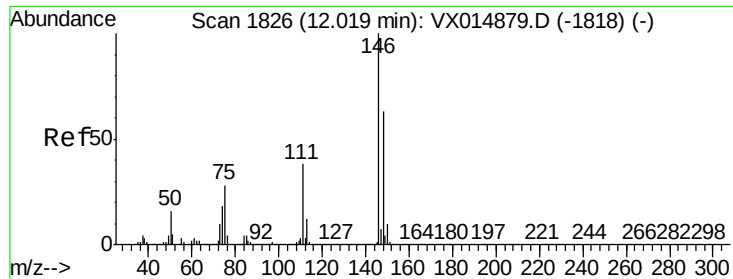
Ion Ratio Lower Upper

119 100

134 27.0 13.5 40.5

91 22.8 11.4 34.1





#87

1,3-Dichlorobenzene

Concen: 18.964 ug/l

RT: 12.02 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VX015036.D

Acq: 27 Feb 2020 10:33

Instrument :

MSVOA_X

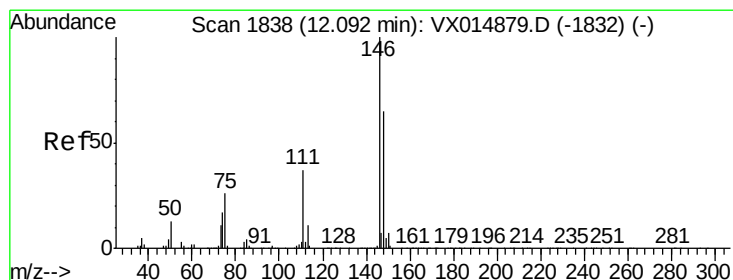
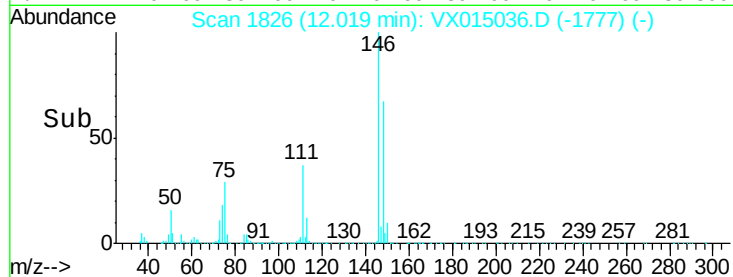
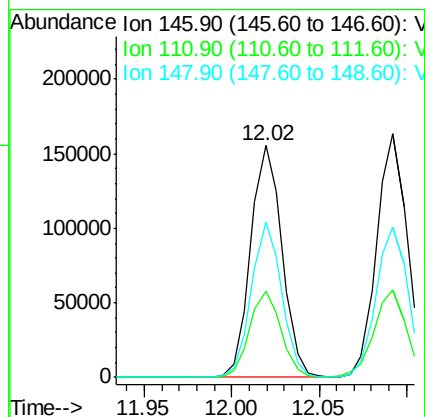
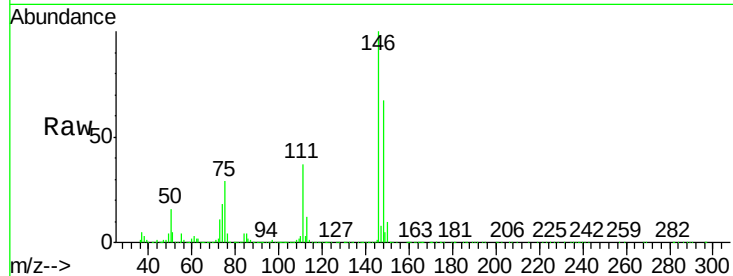
ClientSampleId :

VX0227WBS02

Tot Ion:	146	Resp:	193429
Ion Ratio	Lower	Upper	
146	100		
111	37.4	18.6	56.0
148	65.2	31.8	95.4

Manual Integrations
APPROVED

MMDadoda
2/28/2020 11:28:46 AM



#88

1,4-Dichlorobenzene

Concen: 19.148 ug/l

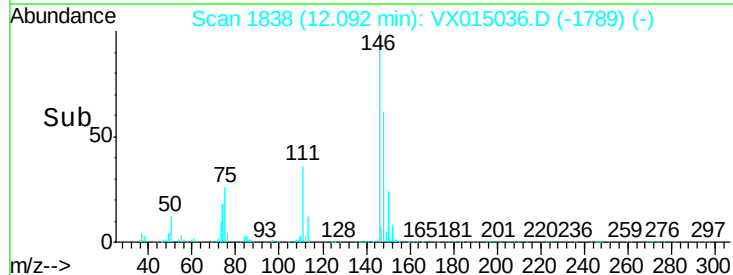
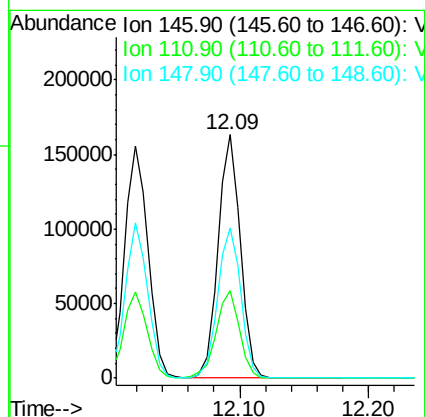
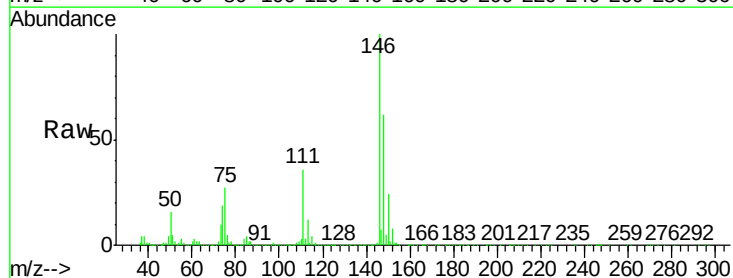
RT: 12.09 min Scan# 1838

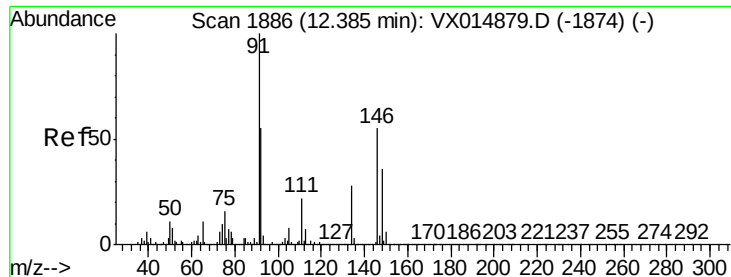
Delta R.T. -0.00 min

Lab File: VX015036.D

Acq: 27 Feb 2020 10:33

Tgt Ion:	146	Resp:	199438
Ion Ratio	Lower	Upper	
146	100		
111	37.6	18.6	55.6
148	64.0	32.4	97.0





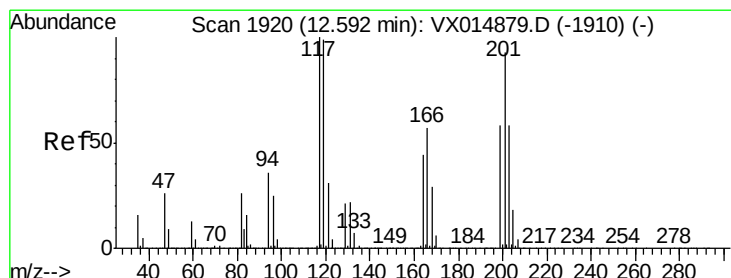
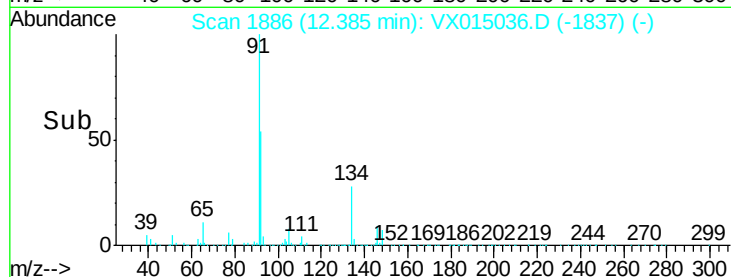
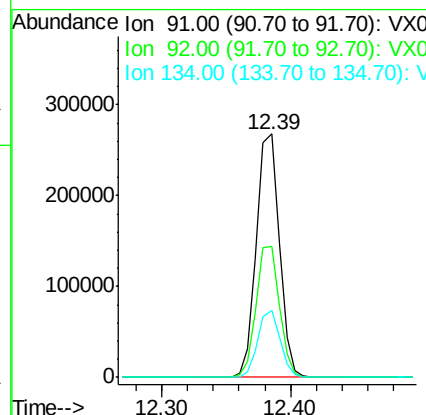
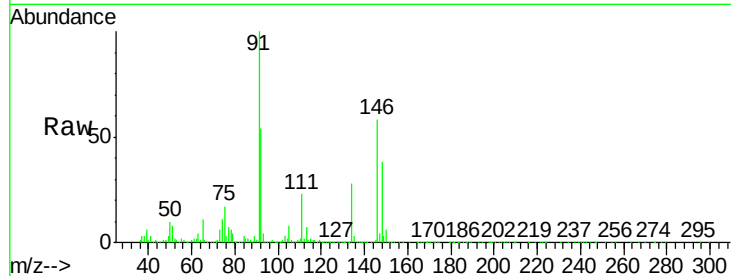
#89
n-Butylbenzene
Concen: 19.535 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX015036.D
Acq: 27 Feb 2020 10:33

Instrument :
MSVOA_X
ClientSampleId :
VX0227WBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.5	27.3	81.8
134	26.7	13.8	41.4

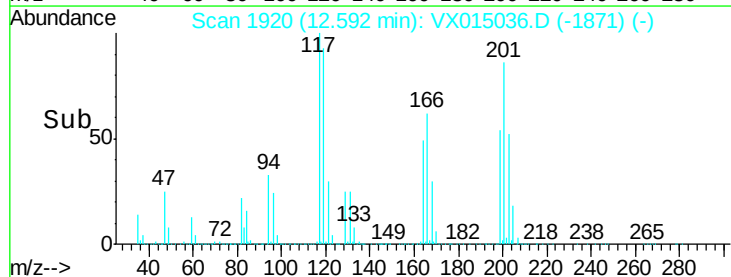
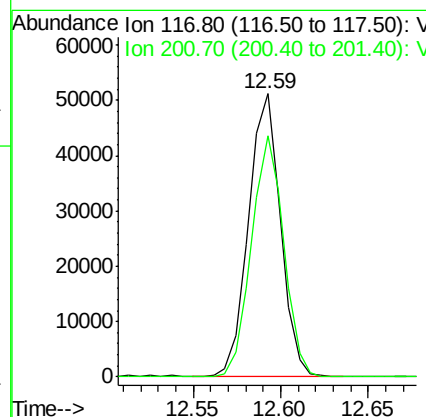
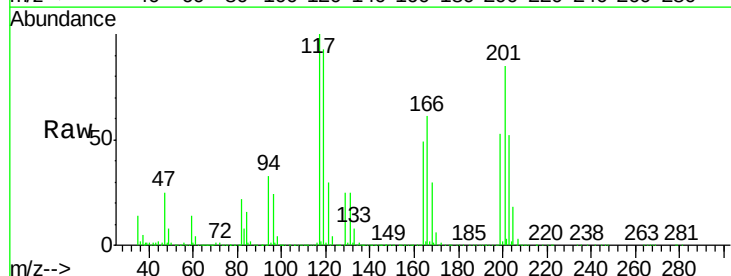
Manual Integrations
APPROVED

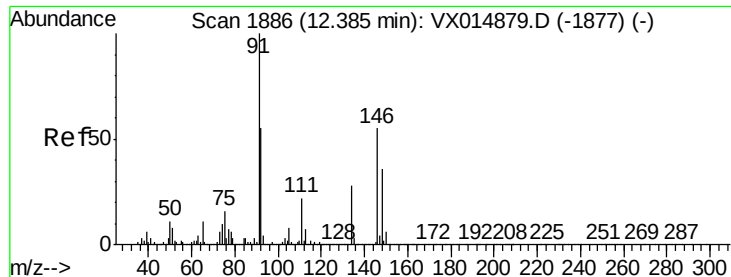
MMDadoda
2/28/2020 11:28:46 AM



#90
Hexachloroethane
Concen: 19.728 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VX015036.D
Acq: 27 Feb 2020 10:33

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.4	44.8	134.3





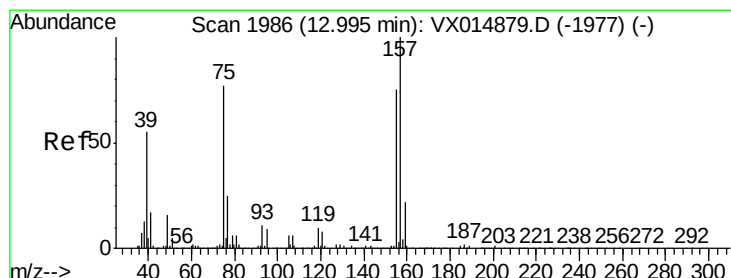
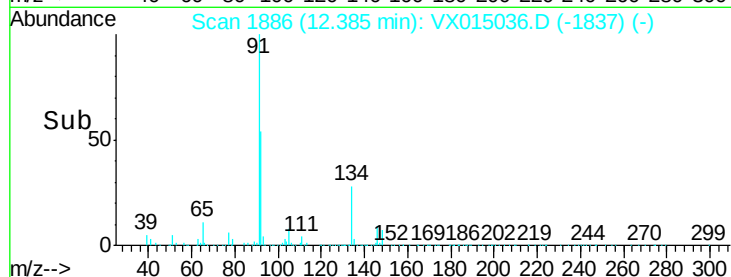
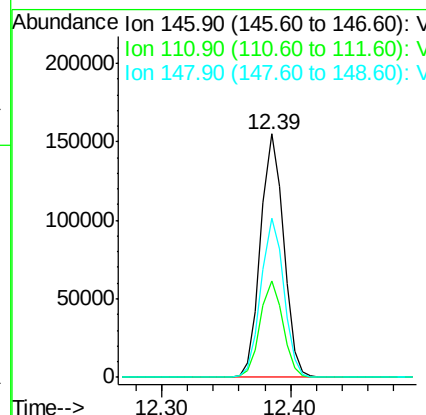
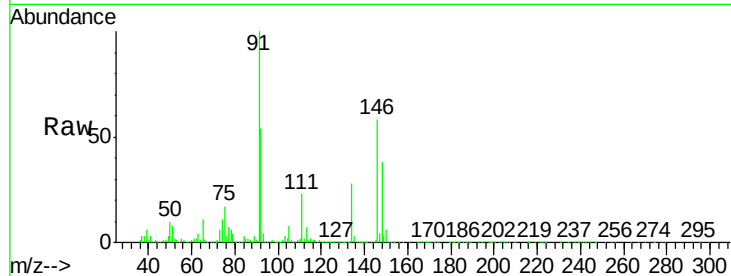
#91
 1,2-Dichlorobenzene
 Concen: 19.145 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX015036.D
 Acq: 27 Feb 2020 10:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0227WBS02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	191491		
111	39.1	19.8	59.3	
148	64.7	32.4	97.2	

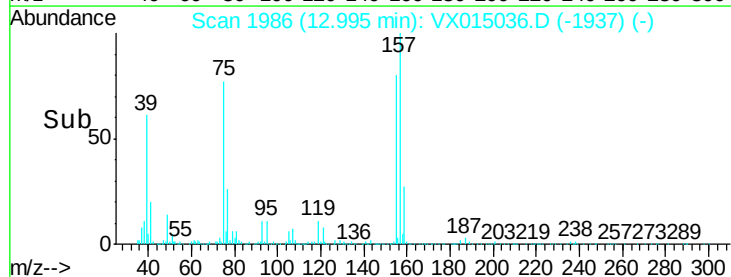
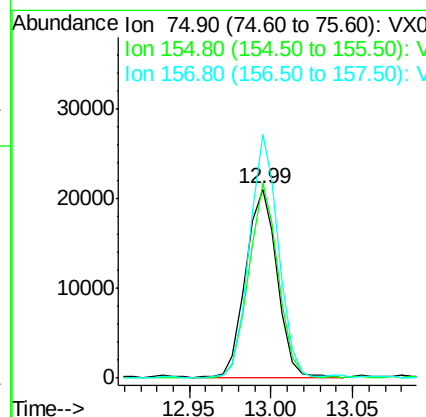
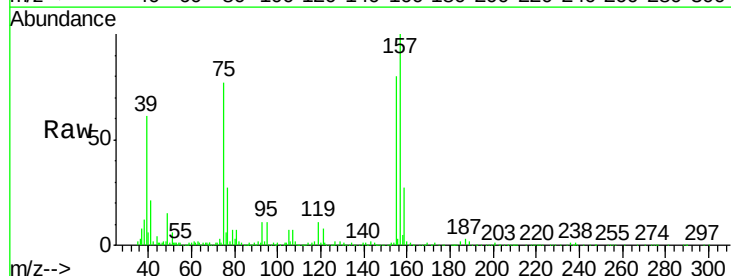
Manual Integrations
 APPROVED

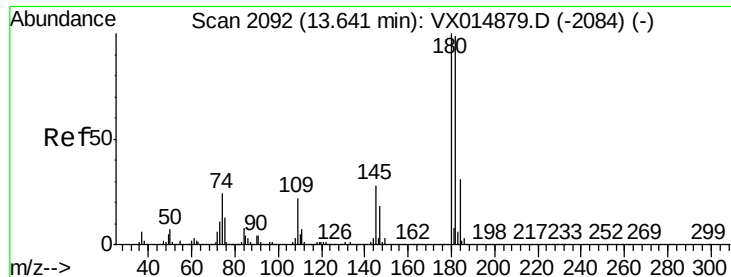
MMDadoda
 2/28/2020 11:28:46 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.262 ug/l
 RT: 12.99 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX015036.D
 Acq: 27 Feb 2020 10:33

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	28528		
155	96.0	48.6	145.9	
157	118.4	62.0	186.0	





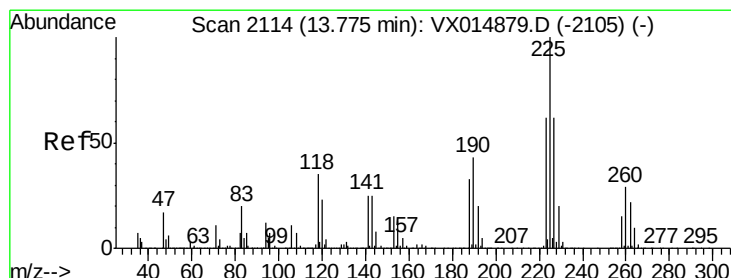
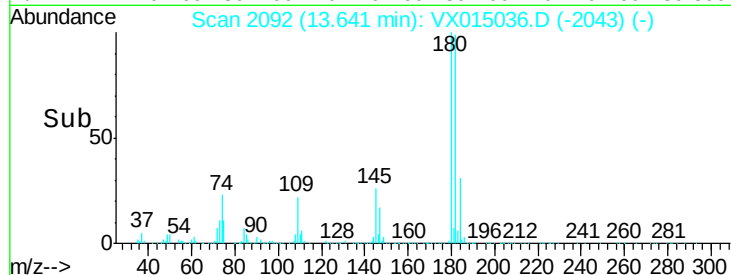
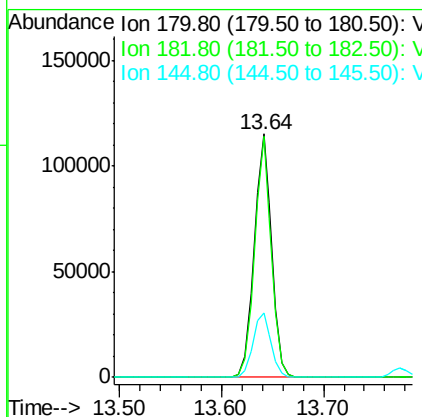
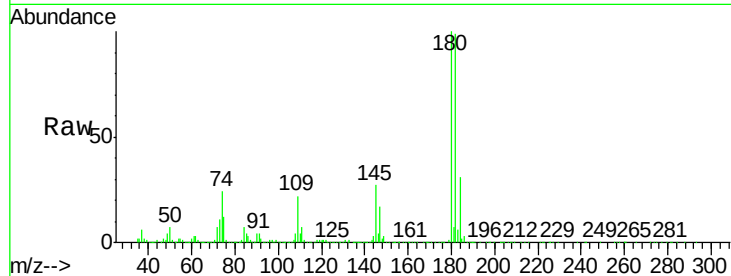
#93
 1,2,4-Trichlorobenzene
 Concen: 18.831 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: VX015036.D
 Acq: 27 Feb 2020 10:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0227WBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	139027		
182	93.8	48.4	145.3	
145	27.4	14.1	42.4	

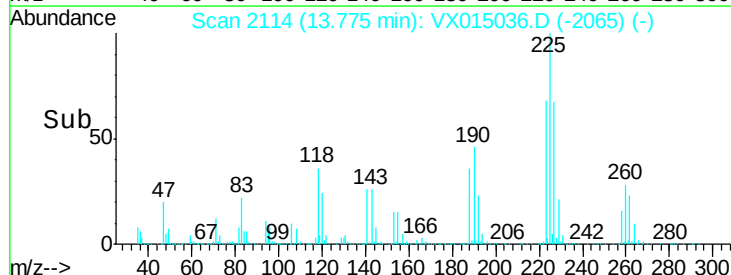
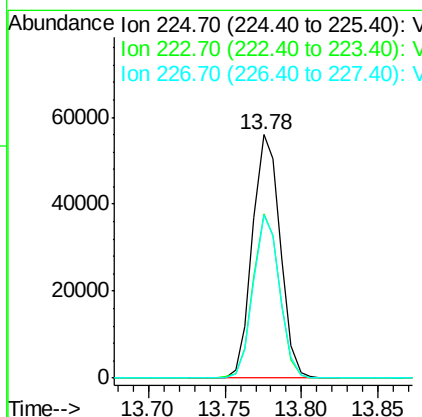
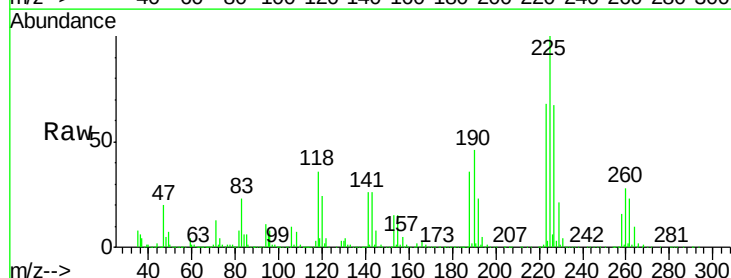
Manual Integrations
 APPROVED

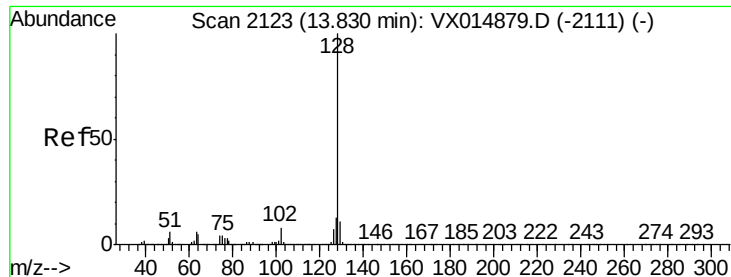
MMDadoda
 2/28/2020 11:28:46 AM



#94
 Hexachlorobutadiene
 Concen: 19.823 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VX015036.D
 Acq: 27 Feb 2020 10:33

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	70786		
223	64.2	31.1	93.2	
227	63.2	30.9	92.5	





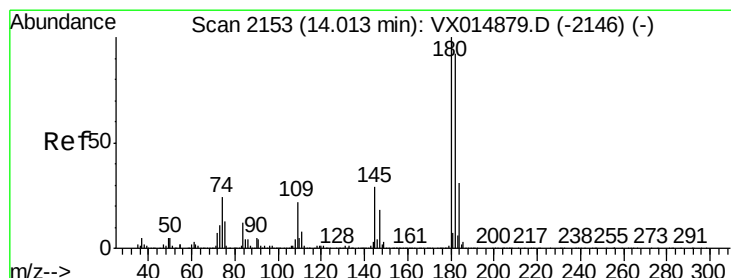
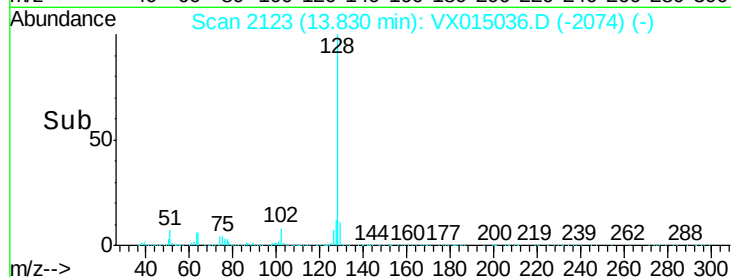
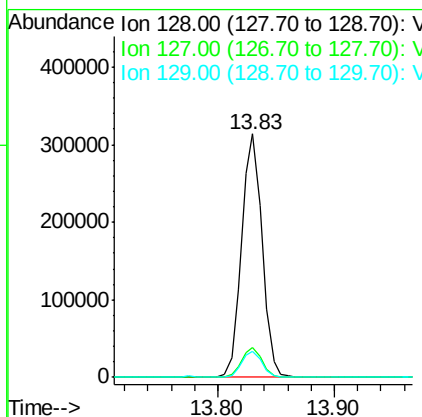
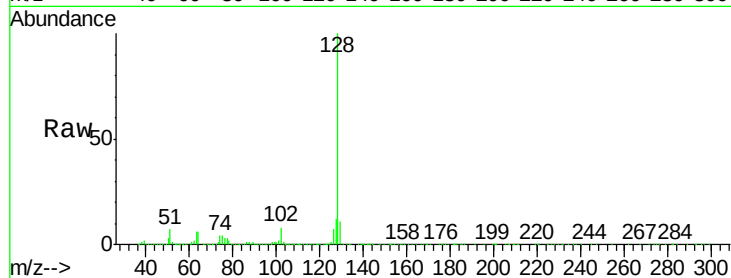
#95
Naphthalene
Concen: 19.741 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. -0.00 min
Lab File: VX015036.D
Acq: 27 Feb 2020 10:33

Instrument :
MSVOA_X
ClientSampleId :
VX0227WBS02

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.4	15.6
129	10.7	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
2/28/2020 11:28:46 AM



#96
1,2,3-Trichlorobenzene
Concen: 18.929 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. -0.00 min
Lab File: VX015036.D
Acq: 27 Feb 2020 10:33

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.8	47.5	142.6
145	31.4	14.5	43.5

