

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX022519\
 Data File : VX007664.D
 Acq On : 25 Feb 2019 10:41
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 2/26/2019 2:57:29 PM

Quant Time: Feb 25 11:43:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X022519W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 25 11:30:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	348229	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	552374	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	488522	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	238469	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	83383	22.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	45.12%	
35) Dibromofluoromethane	5.51	113	75415	20.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.96%	
50) Toluene-d8	8.71	98	273040	20.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.96%	
62) 4-Bromofluorobenzene	11.13	95	92951	19.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.18%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.20	85	64911	16.722	ug/l	95
3) Chloromethane	1.34	50	68002	17.337	ug/l	98
4) Vinyl Chloride	1.42	62	70249	18.256	ug/l	99
5) Bromomethane	1.65	94	49294	11.254	ug/l	99
6) Chloroethane	1.73	64	44055	17.699	ug/l	97
7) Trichlorofluoromethane	1.94	101	108470	18.020	ug/l	95
8) Diethyl Ether	2.20	74	42899	18.935	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	63188	17.648	ug/l	94
10) Methyl Iodide	2.52	142	82172	15.601	ug/l	95
11) Tert butyl alcohol	3.07	59	81558	106.622	ug/l	97
12) 1,1-Dichloroethene	2.39	96	60789	18.283	ug/l	95
13) Acrolein	2.30	56	69416	193.524	ug/l	100
14) Allyl chloride	2.73	41	109025	20.125	ug/l	97
15) Acrylonitrile	3.15	53	190224	100.527	ug/l	99
16) Acetone	2.45	43	188825	111.525	ug/l	98
17) Carbon Disulfide	2.58	76	163203	18.602	ug/l	99
18) Methyl Acetate	2.78	43	83526	17.436	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	206222	19.145	ug/l	98
20) Methylene Chloride	2.86	84	66237	17.306	ug/l	95
21) trans-1,2-Dichloroethene	3.17	96	62932	17.768	ug/l	91
22) Diisopropyl ether	3.87	45	222341	22.312	ug/l	95
23) Vinyl Acetate	3.83	43	994225	120.231	ug/l	99
24) 1,1-Dichloroethane	3.70	63	124878	21.821	ug/l	99
25) 2-Butanone	4.70	43	291863	121.130	ug/l	100
26) 2,2-Dichloropropane	4.59	77	95343	21.877	ug/l	95
27) cis-1,2-Dichloroethene	4.60	96	82508	21.328	ug/l	98
28) Bromochloromethane	5.03	49	64432	24.483	ug/l	88
29) Tetrahydrofuran	5.16	42	185359	122.316	ug/l	100
30) Chloroform	5.22	83	130853	21.913	ug/l	97
31) Cyclohexane	5.58	56	113637	22.109	ug/l	99
32) 1,1,1-Trichloroethane	5.50	97	110628	21.947	ug/l	97
36) 1,1-Dichloropropene	5.80	75	93796	18.925	ug/l	99
37) Ethyl Acetate	4.86	43	108743	21.705	ug/l	99
38) Carbon Tetrachloride	5.79	117	94300	19.612	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX022519\
 Data File : VX007664.D
 Acq On : 25 Feb 2019 10:41
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 2/26/2019 2:57:29 PM

Quant Time: Feb 25 11:43:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X022519W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 25 11:30:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	116125	19.366	ug/l	98
40) Benzene	6.15	78	298291	20.432	ug/l	100
41) Methacrylonitrile	5.07	41	57500	21.414	ug/l	98
42) 1,2-Dichloroethane	6.20	62	98406	19.482	ug/l	98
43) Isopropyl Acetate	6.46	43	163501	21.143	ug/l	98
44) Trichloroethene	7.21	130	82289	18.715	ug/l	92
45) 1,2-Dichloropropane	7.52	63	77275	21.126	ug/l	96
46) Dibromomethane	7.66	93	52621	19.793	ug/l	91
47) Bromodichloromethane	7.90	83	91752	20.364	ug/l	98
48) Methyl methacrylate	7.77	41	83640	21.623	ug/l	98
49) 1,4-Dioxane	7.76	88	37590	390.486	ug/l	94
51) 4-Methyl-2-Pentanone	8.65	43	552342	108.500	ug/l	99
52) Toluene	8.79	92	182708	19.397	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	100538	20.773	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	112192	21.080	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	76563	19.500	ug/l	99
56) Ethyl methacrylate	9.18	69	109254	20.091	ug/l	99
57) 1,3-Dichloropropane	9.37	76	125854	20.156	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	310433	108.305	ug/l	98
59) 2-Hexanone	9.49	43	436054	110.075	ug/l	99
60) Dibromochloromethane	9.59	129	74484	20.058	ug/l	100
61) 1,2-Dibromoethane	9.67	107	80614	19.387	ug/l	99
64) Tetrachloroethene	9.34	164	76436	16.600	ug/l	90
65) Chlorobenzene	10.14	112	205045	19.234	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.22	131	71561	20.022	ug/l	98
67) Ethyl Benzene	10.25	91	337048	19.633	ug/l	97
68) m/p-Xylenes	10.36	106	262685	38.493	ug/l	98
69) o-Xylene	10.69	106	126327	19.238	ug/l	98
70) Styrene	10.71	104	204393	19.193	ug/l	98
71) Bromoform	10.85	173	51772	18.721	ug/l #	99
73) Isopropylbenzene	11.02	105	339210	20.932	ug/l	100
74) N-amyl acetate	10.90	43	147132	23.473	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	115782	23.444	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	95539m	20.597	ug/l	
77) Bromobenzene	11.26	156	84562	18.520	ug/l	88
78) n-propylbenzene	11.36	91	383021	21.554	ug/l	97
79) 2-Chlorotoluene	11.42	91	226202	20.979	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	276415	20.849	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	32175	24.083	ug/l	93
82) 4-Chlorotoluene	11.51	91	261329	20.946	ug/l	98
83) tert-Butylbenzene	11.77	119	264018	20.114	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	286923	21.317	ug/l	97
85) sec-Butylbenzene	11.94	105	333537	20.995	ug/l	99
86) p-Isopropyltoluene	12.06	119	291210	20.306	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	153716	18.759	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	153929	18.516	ug/l	97
89) n-Butylbenzene	12.39	91	254381	20.620	ug/l	99
90) Hexachloroethane	12.60	117	47653	22.202	ug/l	86
91) 1,2-Dichlorobenzene	12.39	146	150870	18.501	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.00	75	24321	23.684	ug/l	86

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX022519\
Data File : VX007664.D
Acq On : 25 Feb 2019 10:41
Operator : JC/SP
Sample : VSTDICC020
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

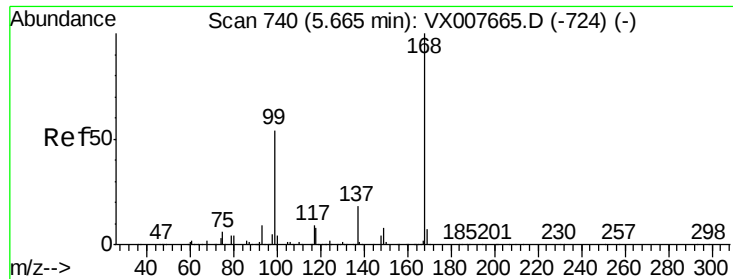
Manual Integrations
APPROVED

MMDadoda
2/26/2019 2:57:29 PM

Quant Time: Feb 25 11:43:52 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X022519W.M
Quant Title : SW846 8260
QLast Update : Mon Feb 25 11:30:24 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	94072	17.105	ug/l	98
94) Hexachlorobutadiene	13.78	225	43370	16.241	ug/l	98
95) Naphthalene	13.83	128	321601	19.997	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	95387	17.231	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX007664.D

Acq: 25 Feb 2019 10:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 348229

Ion Ratio Lower Upper

168 100

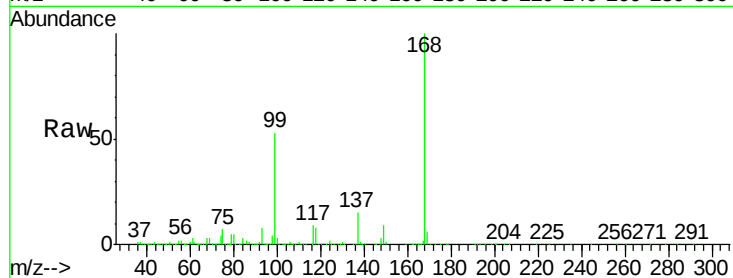
99 53.0 37.9 56.9

Manual Integrations

APPROVED

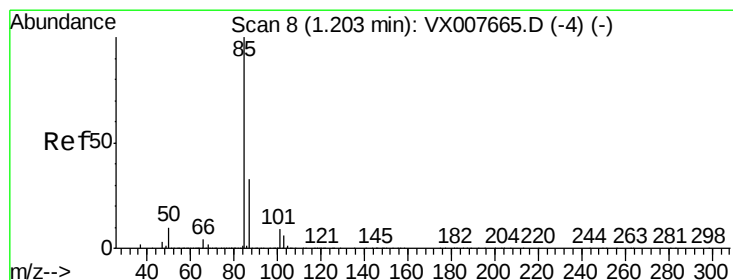
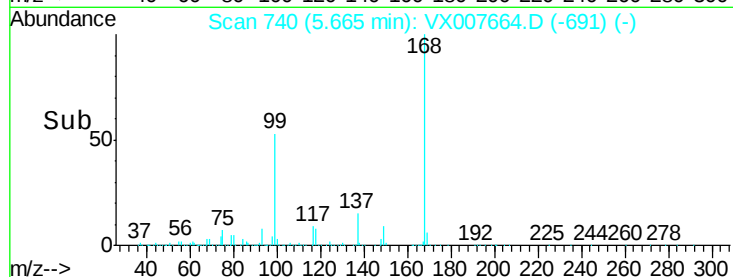
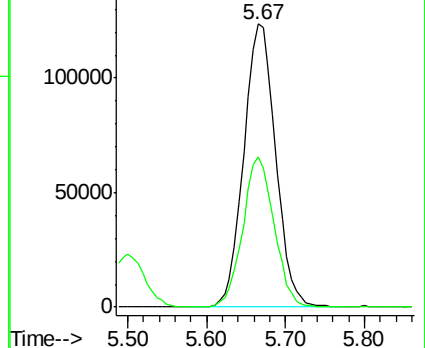
MMDadoda

2/26/2019 2:57:29 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 16.722 ug/l

RT: 1.20 min Scan# 8

Delta R.T. -0.00 min

Lab File: VX007664.D

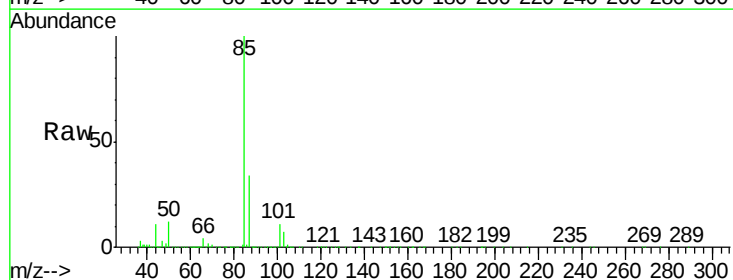
Acq: 25 Feb 2019 10:41

Tgt Ion: 85 Resp: 64911

Ion Ratio Lower Upper

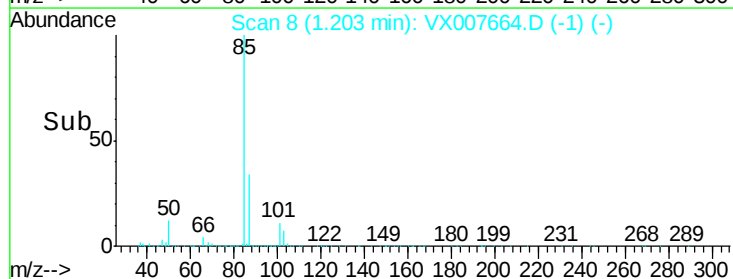
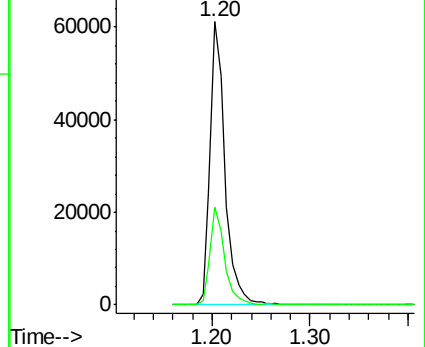
85 100

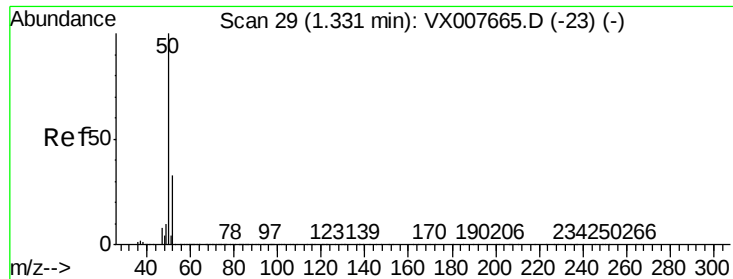
87 34.2 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 17.337 ug/l

RT: 1.34 min Scan# 30

Delta R.T. 0.01 min

Lab File: VX007664.D

Acq: 25 Feb 2019 10:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 68002

Ion Ratio Lower Upper

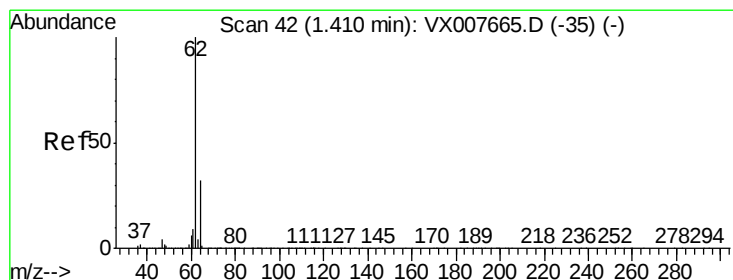
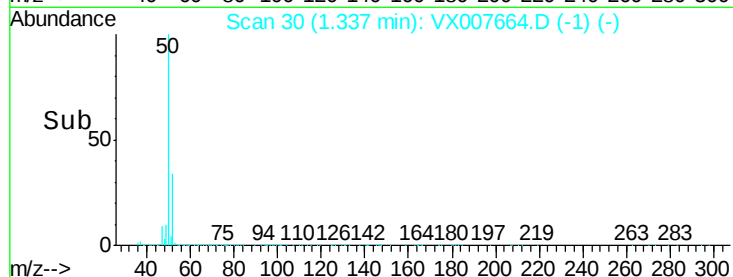
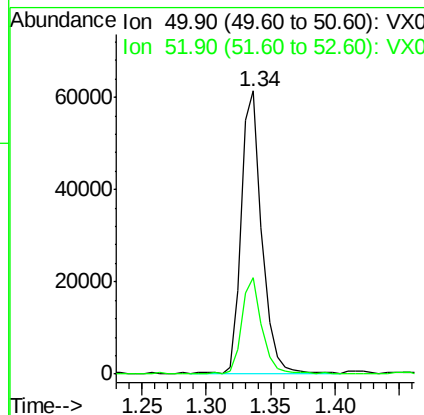
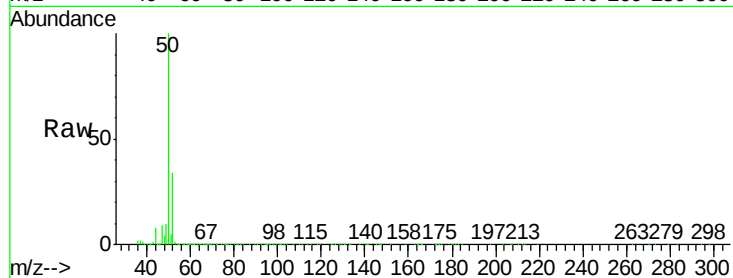
50 100

52 33.7 26.1 39.1

Manual Integrations
APPROVED

MMDadoda

2/26/2019 2:57:29 PM



#4

Vinyl Chloride

Concen: 18.256 ug/l

RT: 1.42 min Scan# 43

Delta R.T. 0.01 min

Lab File: VX007664.D

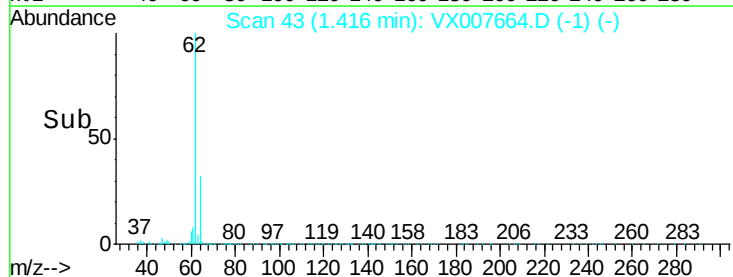
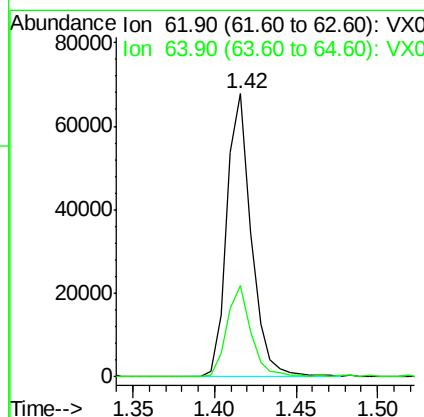
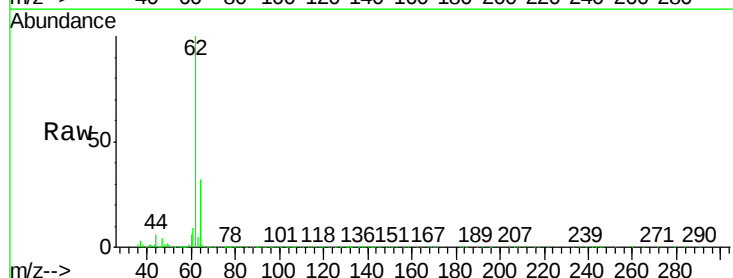
Acq: 25 Feb 2019 10:41

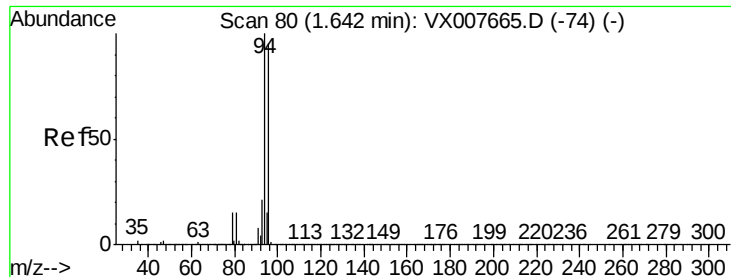
Tgt Ion: 62 Resp: 70249

Ion Ratio Lower Upper

62 100

64 32.1 25.4 38.0





#5

Bromomethane

Concen: 11.254 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX007664.D

Acq: 25 Feb 2019 10:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 49294

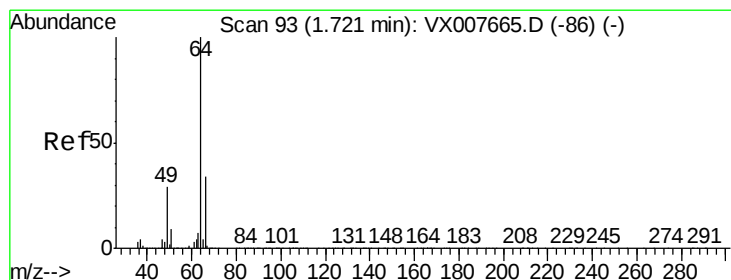
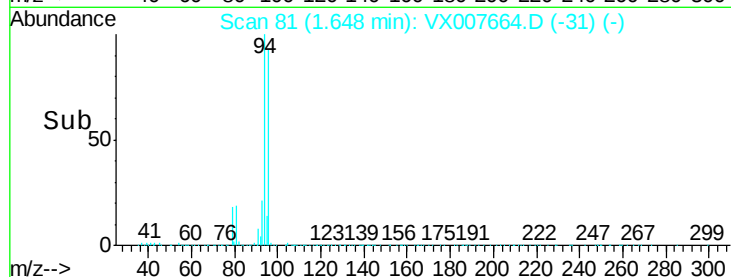
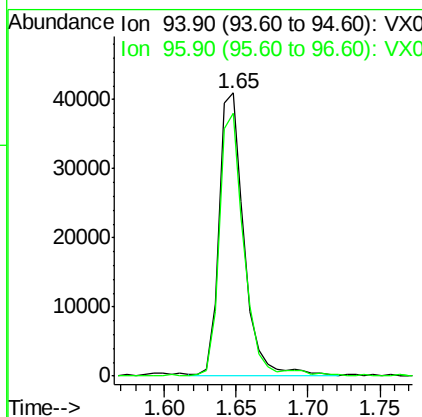
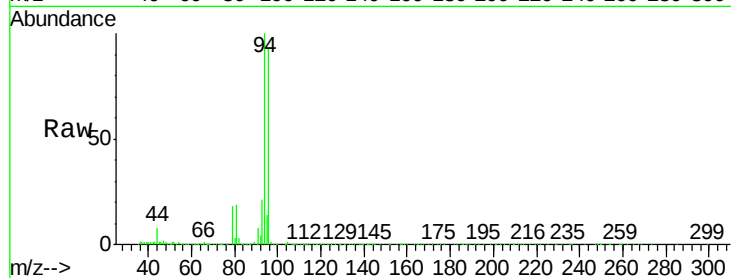
Ion Ratio Lower Upper

94 100

96 93.0 73.9 110.9

Manual Integrations
APPROVED

MMDadoda
2/26/2019 2:57:29 PM



#6

Chloroethane

Concen: 17.699 ug/l

RT: 1.73 min Scan# 95

Delta R.T. 0.01 min

Lab File: VX007664.D

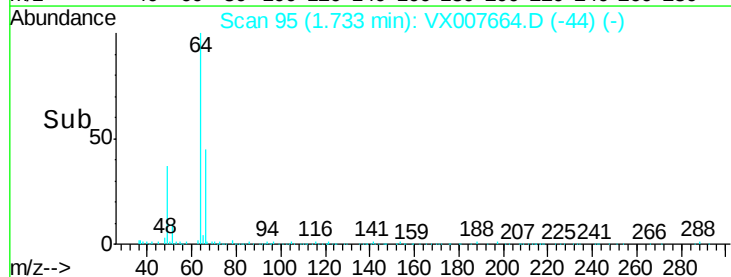
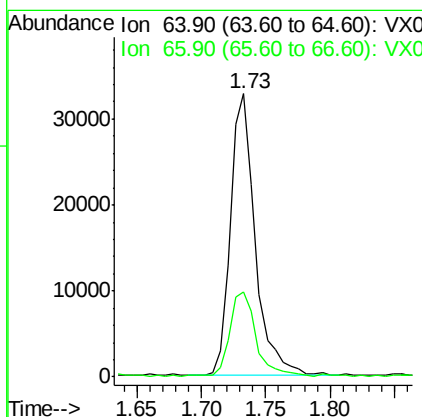
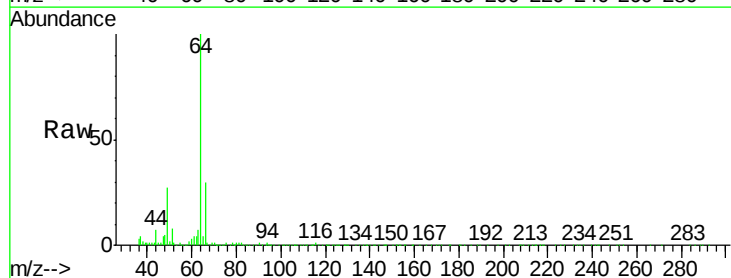
Acq: 25 Feb 2019 10:41

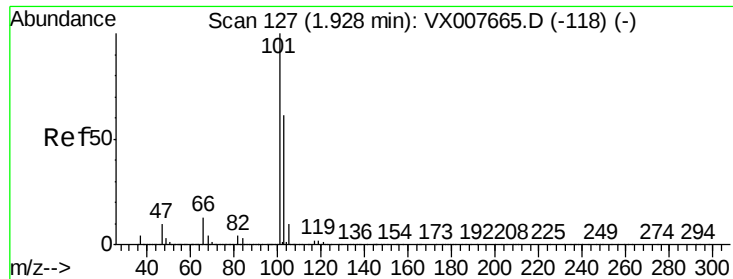
Tgt Ion: 64 Resp: 44055

Ion Ratio Lower Upper

64 100

66 30.0 25.5 38.3





#7

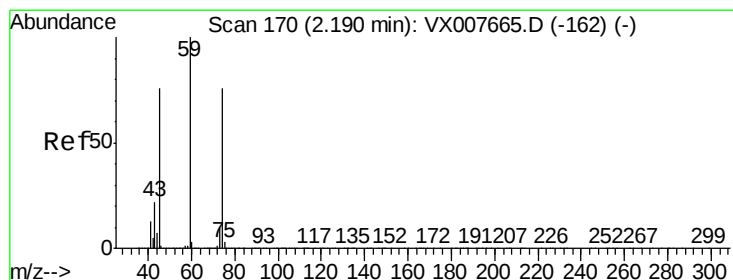
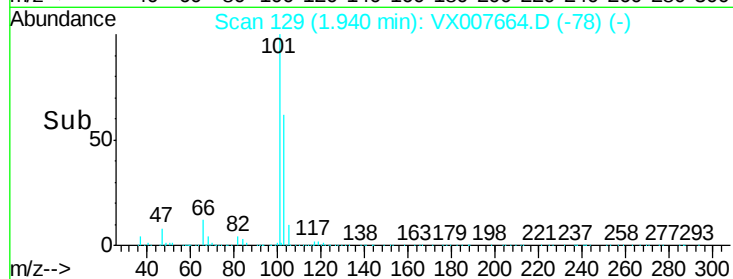
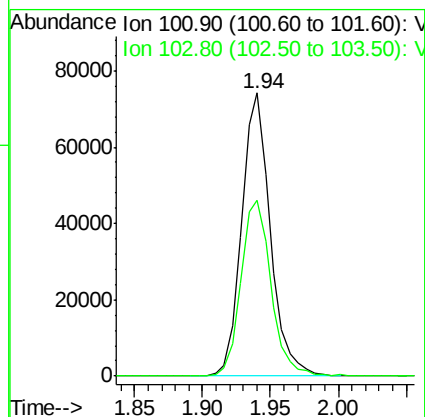
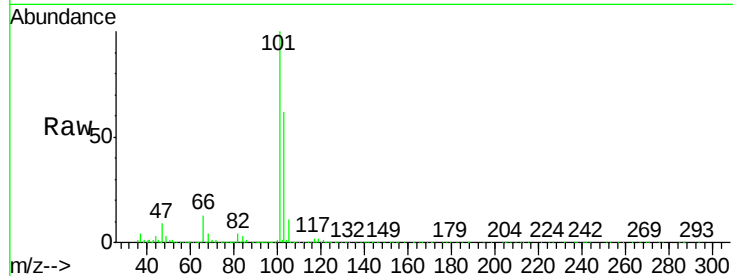
Trichlorofluoromethane
Concen: 18.020 ug/l
RT: 1.94 min Scan# 129
Delta R.T. 0.01 min
Lab File: VX007664.D
Acq: 25 Feb 2019 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.9	52.6	79.0

Manual Integrations
APPROVED

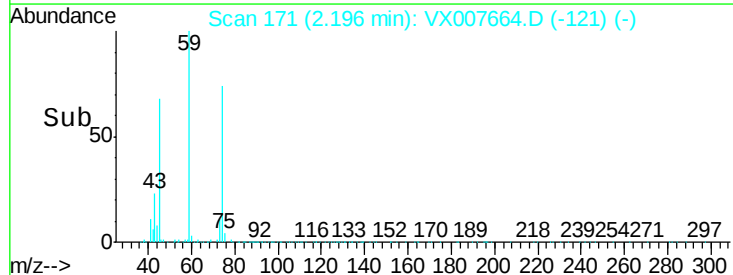
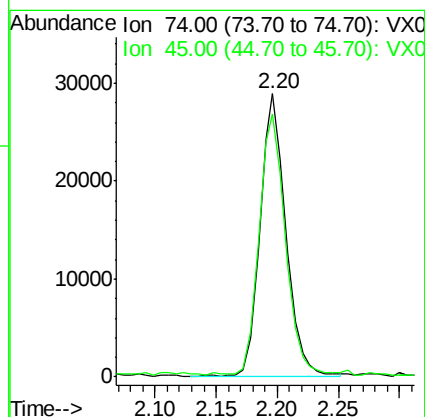
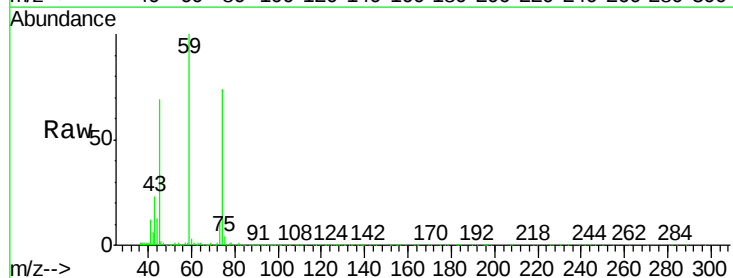
MMDadoda
2/26/2019 2:57:29 PM

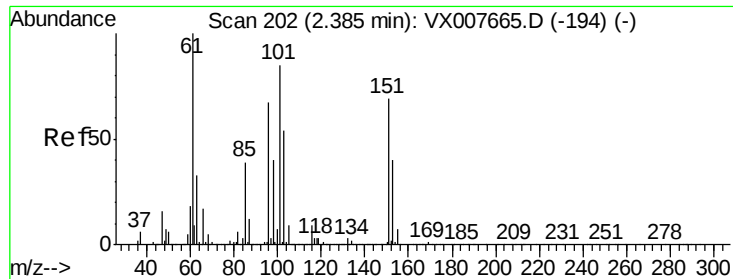


#8

Diethyl Ether
Concen: 18.935 ug/l
RT: 2.20 min Scan# 171
Delta R.T. 0.01 min
Lab File: VX007664.D
Acq: 25 Feb 2019 10:41

Tgt Ion	Ratio	Lower	Upper
74	100		
45	92.1	45.7	137.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.648 ug/l

RT: 2.39 min Scan# 203

Delta R.T. 0.01 min

Lab File: VX007664.D

Acq: 25 Feb 2019 10:41

Instrument :

MSVOA_X

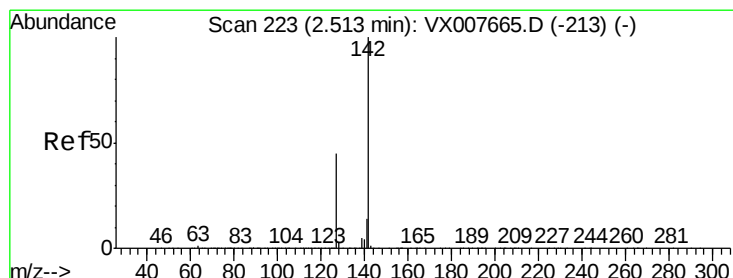
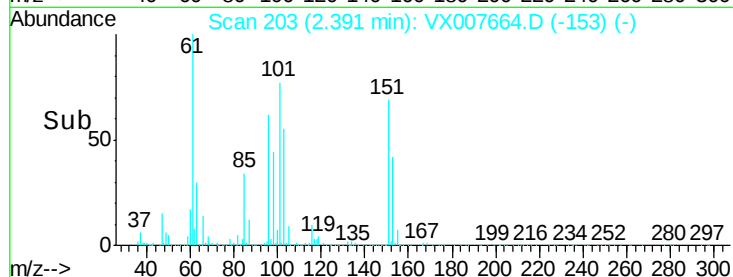
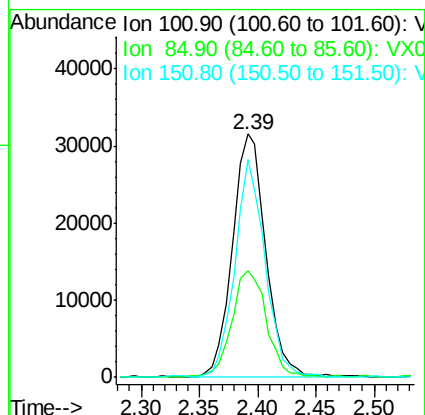
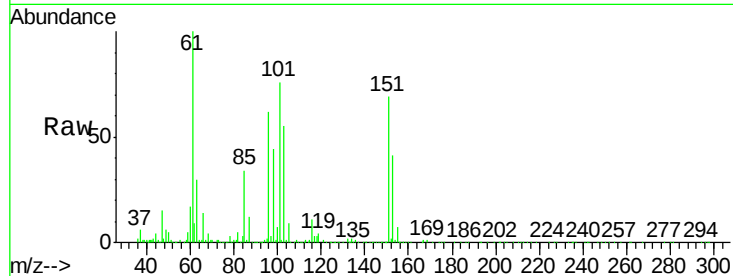
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	63188
Ion Ratio	Lower	Upper	
101	100		
85	45.5	34.1	51.1
151	80.6	69.9	104.9

Manual Integrations
APPROVED

MMDadoda
2/26/2019 2:57:29 PM



#10

Methyl Iodide

Concen: 15.601 ug/l

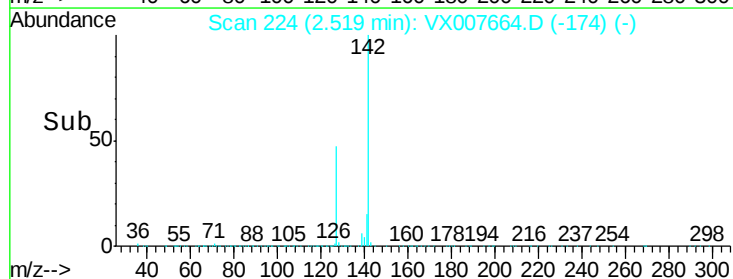
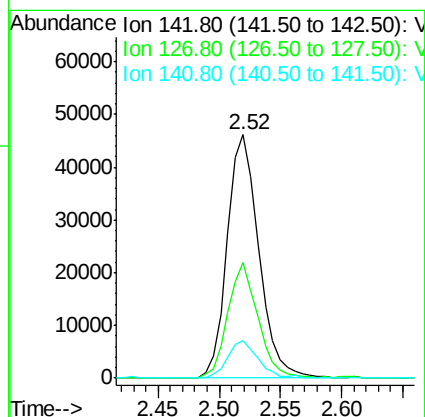
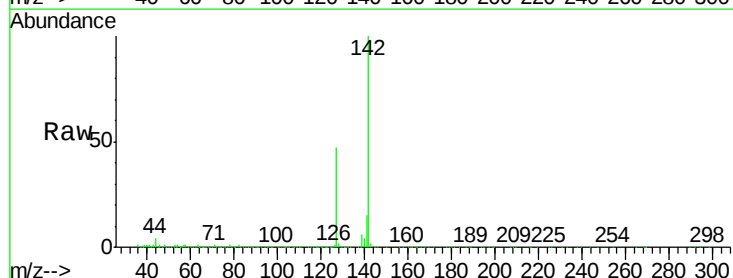
RT: 2.52 min Scan# 224

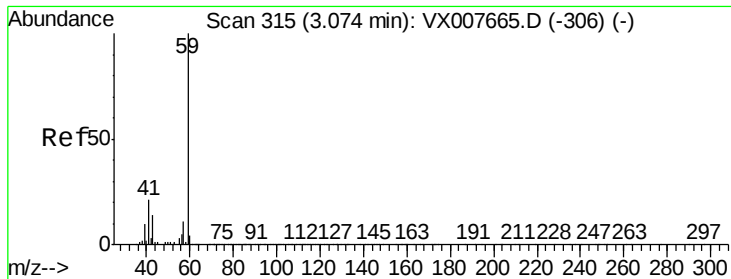
Delta R.T. 0.01 min

Lab File: VX007664.D

Acq: 25 Feb 2019 10:41

Tgt Ion:	142	Resp:	82172
Ion Ratio	Lower	Upper	
142	100		
127	46.0	33.7	50.5
141	15.1	11.3	16.9





#11

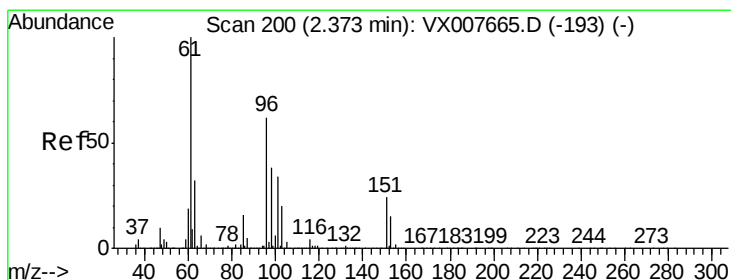
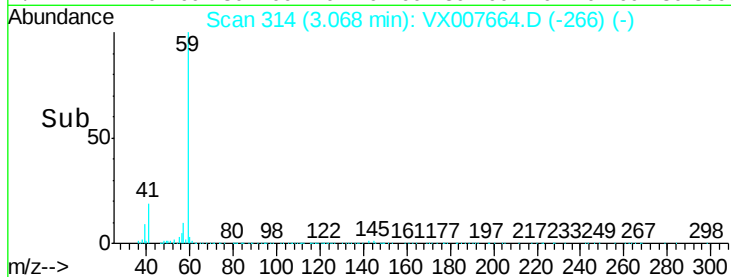
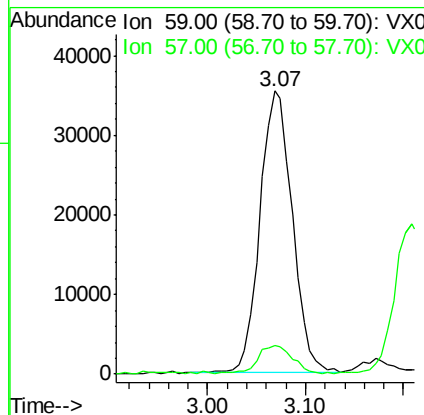
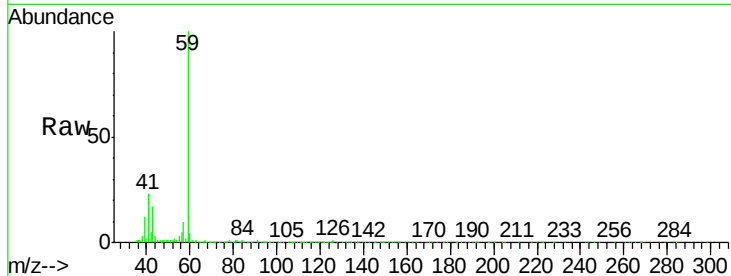
Tert butyl alcohol
Concen: 106.622 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX007664.D
Acq: 25 Feb 2019 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.2	8.1	12.1

Manual Integrations
APPROVED

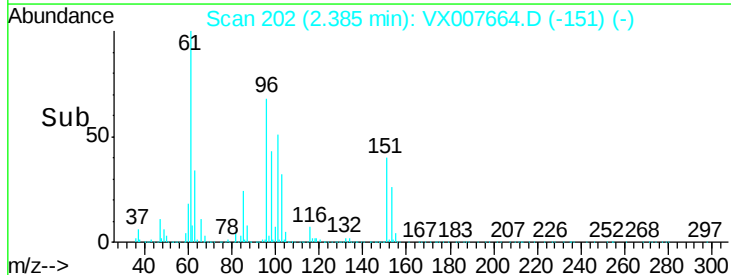
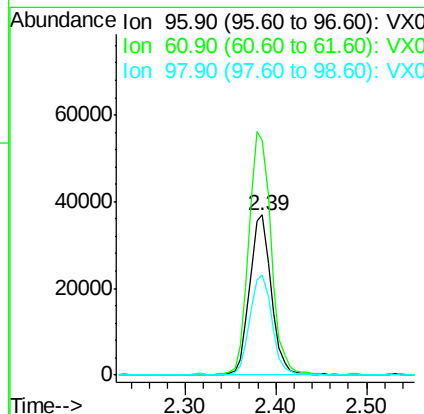
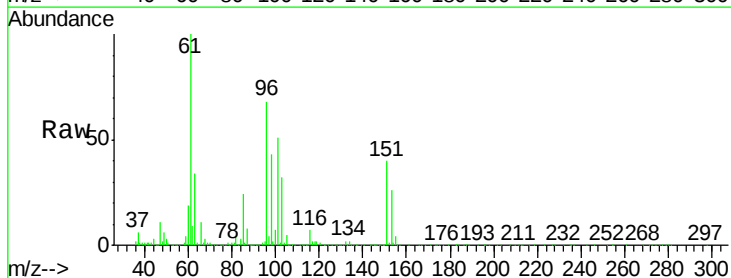
MMDadoda
2/26/2019 2:57:29 PM

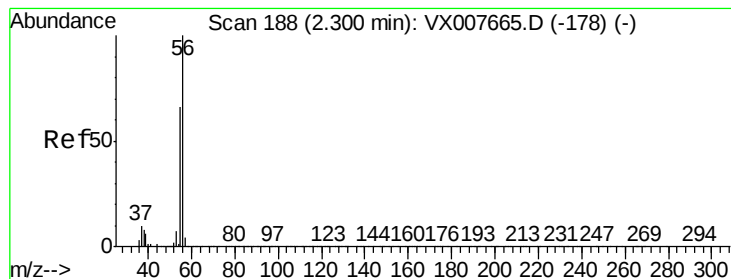


#12

1,1-Dichloroethene
Concen: 18.283 ug/l
RT: 2.39 min Scan# 202
Delta R.T. 0.01 min
Lab File: VX007664.D
Acq: 25 Feb 2019 10:41

Tgt Ion	Ratio	Lower	Upper
96	100		
61	146.4	123.0	184.4
98	62.3	50.9	76.3





#13

Acrolein

Concen: 193.524 ug/l

RT: 2.30 min Scan# 188

Delta R.T. -0.00 min

Lab File: VX007664.D

Acq: 25 Feb 2019 10:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 69416

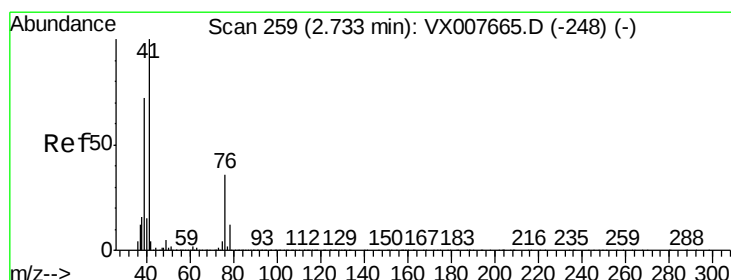
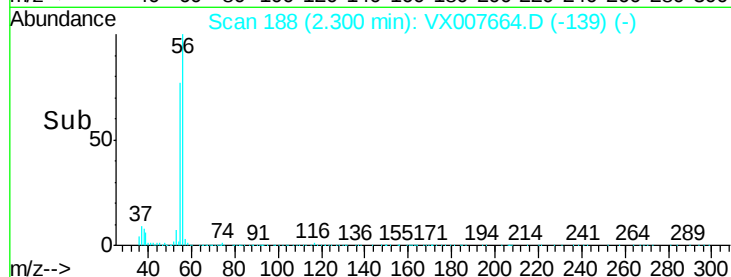
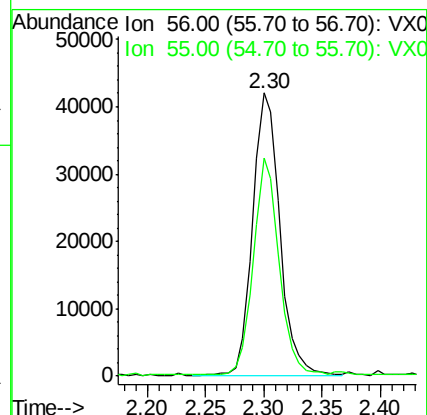
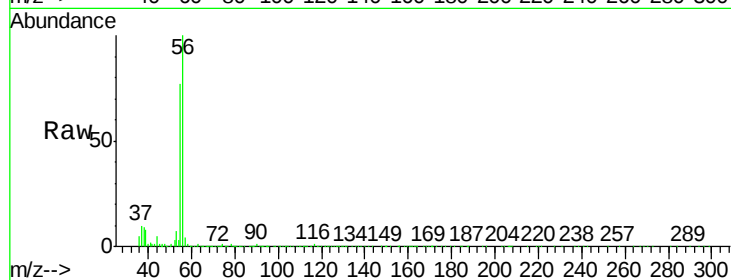
Ion Ratio Lower Upper

56 100

55 71.5 56.9 85.3

Manual Integrations
APPROVED

MMDadoda
2/26/2019 2:57:29 PM



#14

Allyl chloride

Concen: 20.125 ug/l

RT: 2.73 min Scan# 259

Delta R.T. -0.00 min

Lab File: VX007664.D

Acq: 25 Feb 2019 10:41

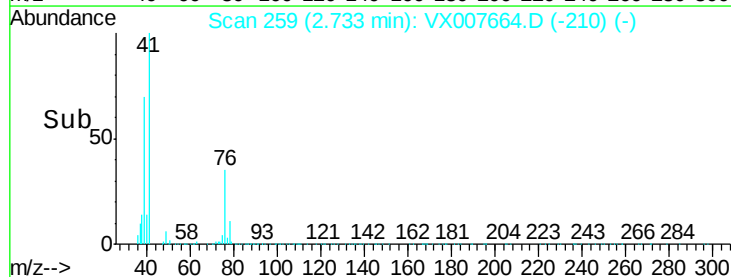
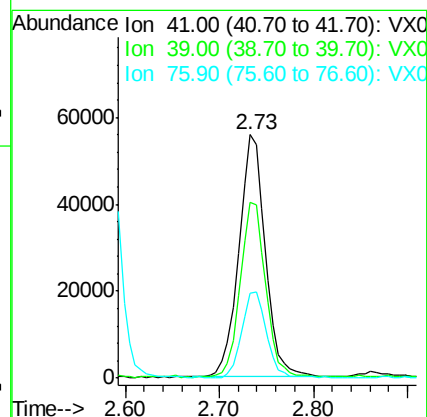
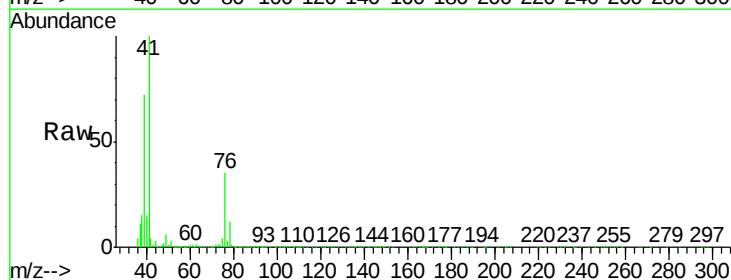
Tgt Ion: 41 Resp: 109025

Ion Ratio Lower Upper

41 100

39 69.8 54.1 81.1

76 33.4 27.8 41.8





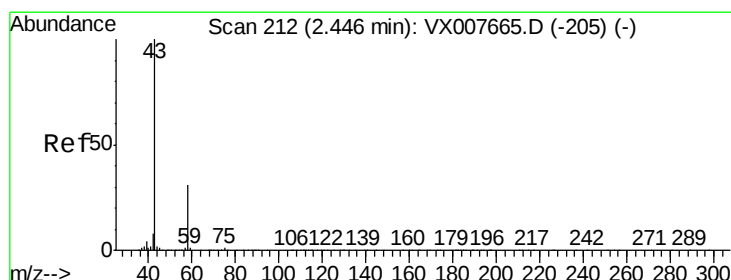
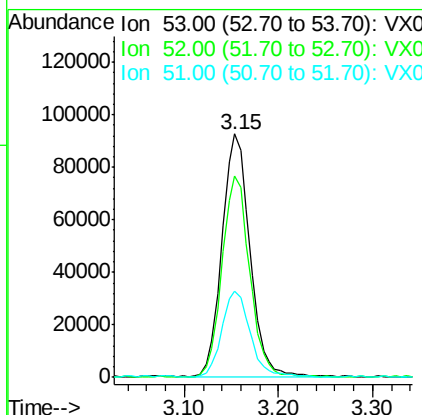
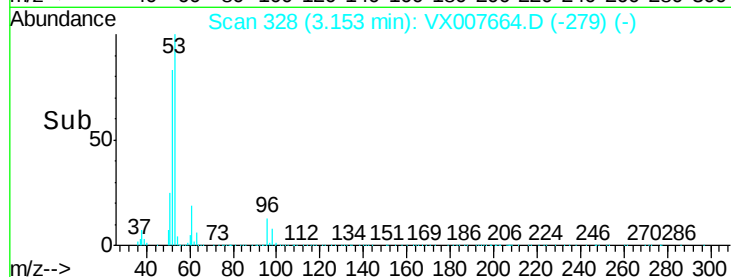
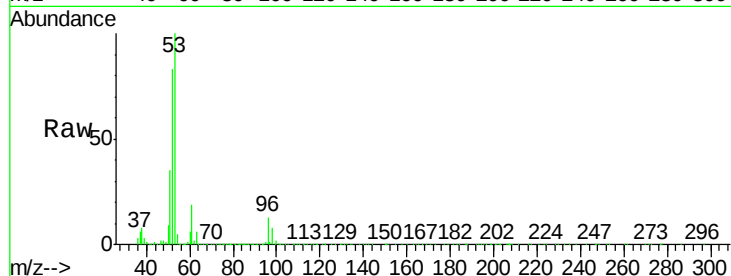
#15
Acrylonitrile
Concen: 100.527 ug/l
RT: 3.15 min Scan# 328
Delta R.T. -0.00 min
Lab File: VX007664.D
Acq: 25 Feb 2019 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion:	53	Resp:	190224
Ion Ratio		Lower	Upper
53	100		
52	82.3	66.4	99.6
51	35.8	28.4	42.6

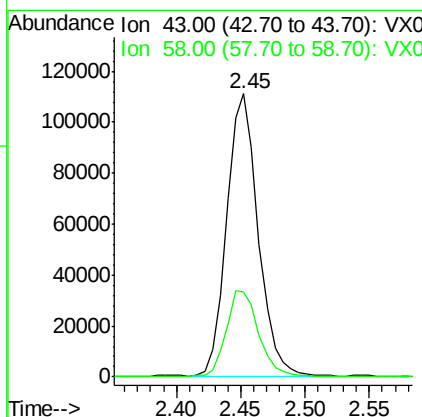
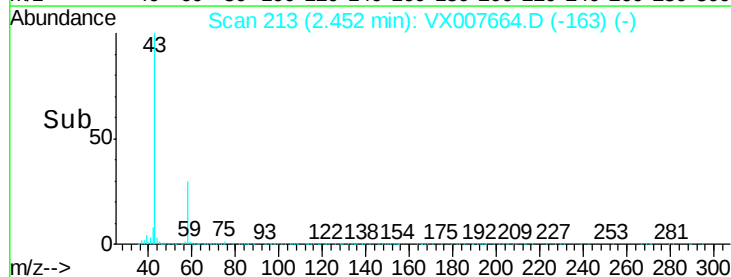
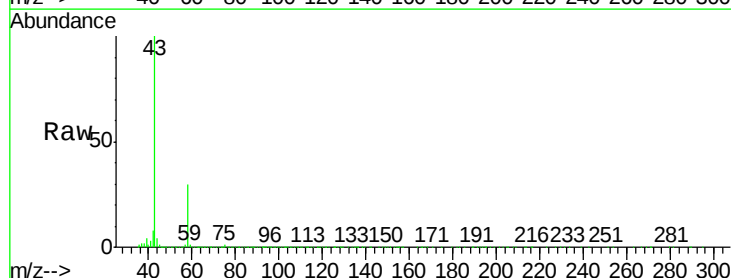
Manual Integrations
APPROVED

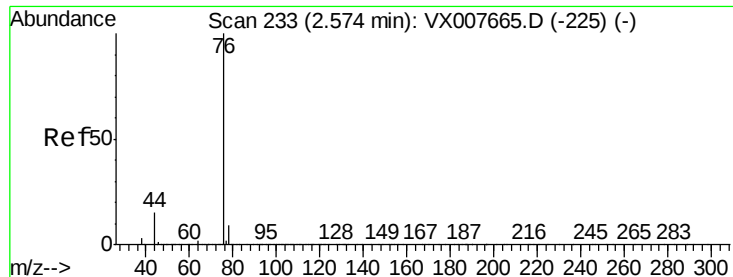
MMDadoda
2/26/2019 2:57:29 PM



#16
Acetone
Concen: 111.525 ug/l
RT: 2.45 min Scan# 213
Delta R.T. 0.01 min
Lab File: VX007664.D
Acq: 25 Feb 2019 10:41

Tgt Ion:	43	Resp:	188825
Ion Ratio		Lower	Upper
43	100		
58	30.2	24.9	37.3





#17

Carbon Disulfide

Concen: 18.602 ug/l

RT: 2.58 min Scan# 234

Delta R.T. 0.01 min

Lab File: VX007664.D

Acq: 25 Feb 2019 10:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 163203

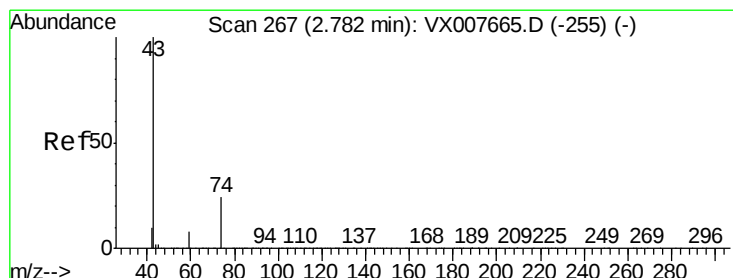
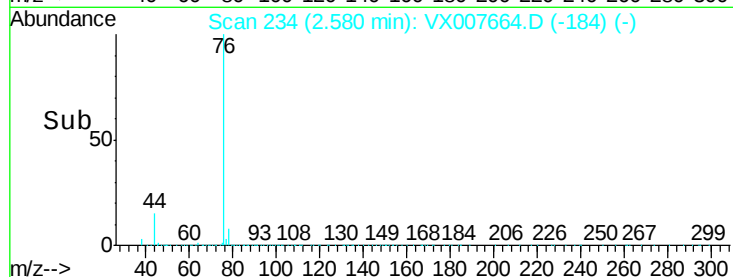
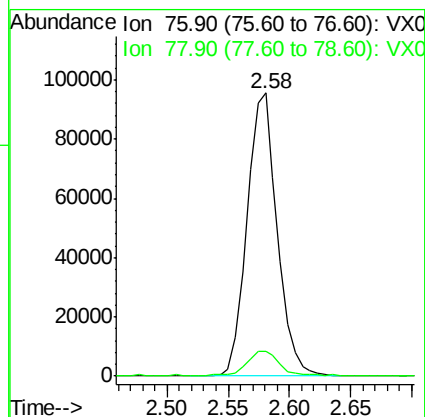
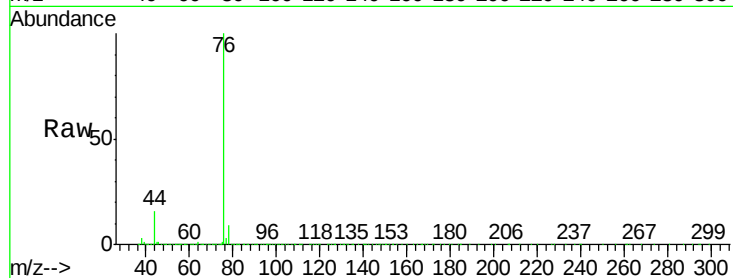
Ion Ratio Lower Upper

76 100

78 8.4 7.1 10.7

Manual Integrations
APPROVED

MMDadoda
2/26/2019 2:57:29 PM



#18

Methyl Acetate

Concen: 17.436 ug/l

RT: 2.78 min Scan# 267

Delta R.T. -0.00 min

Lab File: VX007664.D

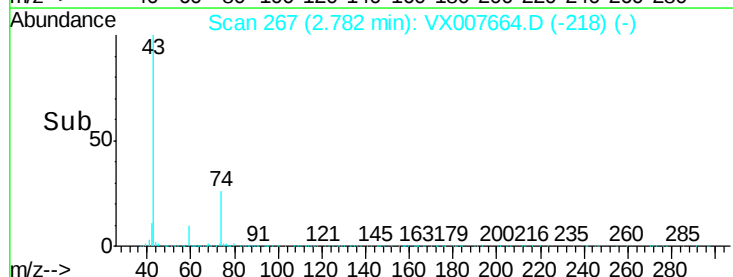
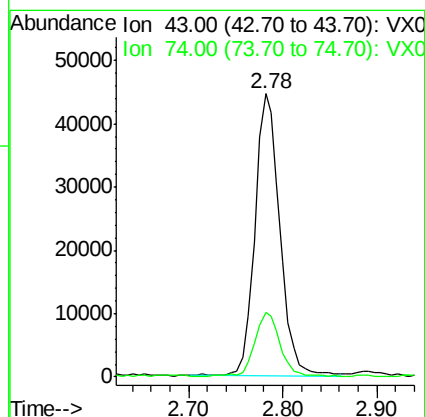
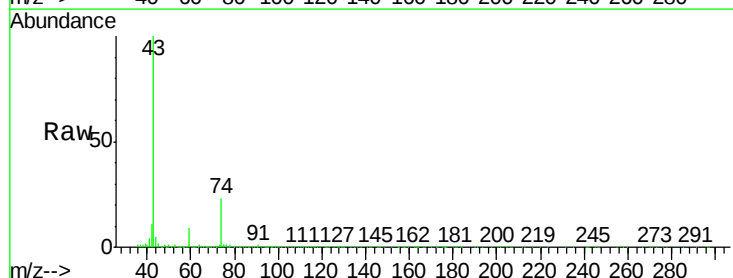
Acq: 25 Feb 2019 10:41

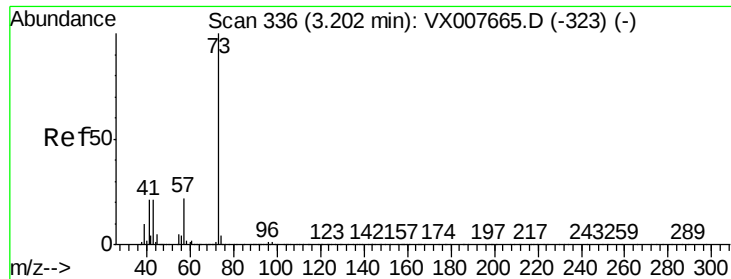
Tgt Ion: 43 Resp: 83526

Ion Ratio Lower Upper

43 100

74 23.9 19.4 29.2





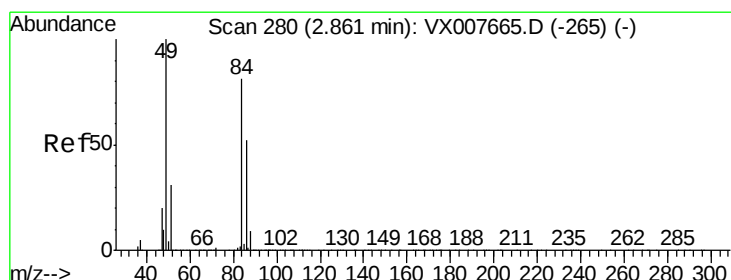
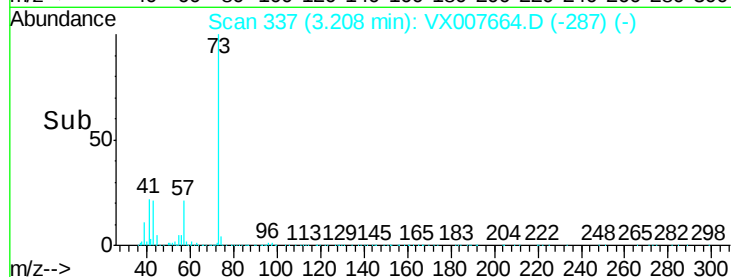
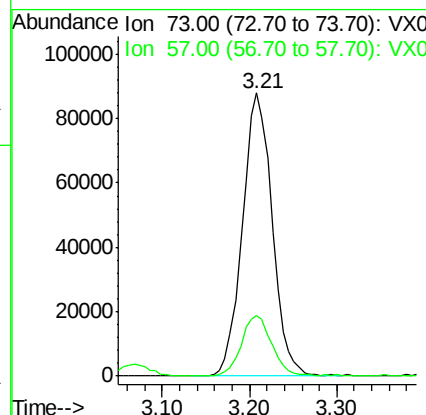
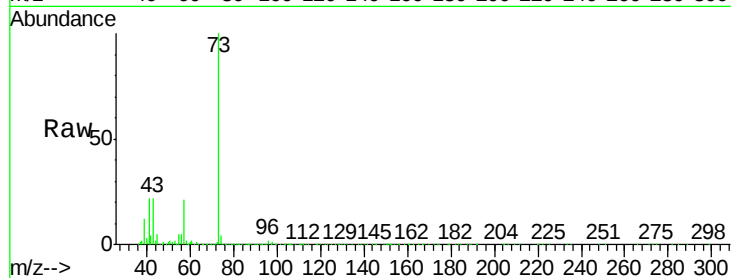
#19
Methvl tert-butvl Ether
Concen: 19.145 ug/l
RT: 3.21 min Scan# 337
Delta R.T. 0.01 min
Lab File: VX007664.D
Acq: 25 Feb 2019 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.4	17.8	26.8

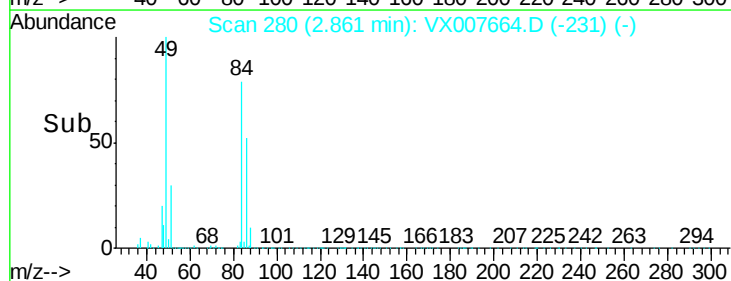
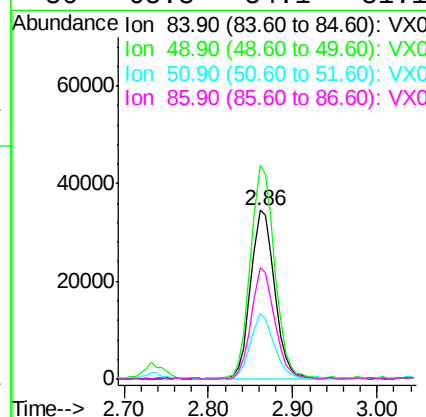
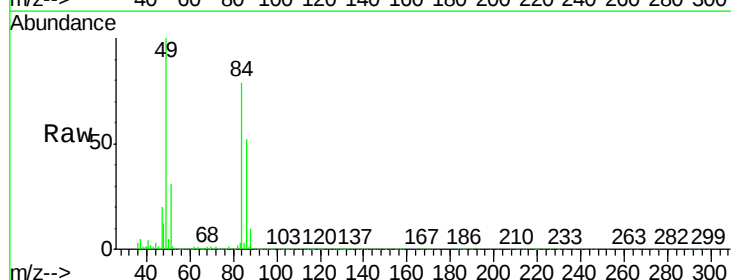
Manual Integrations
APPROVED

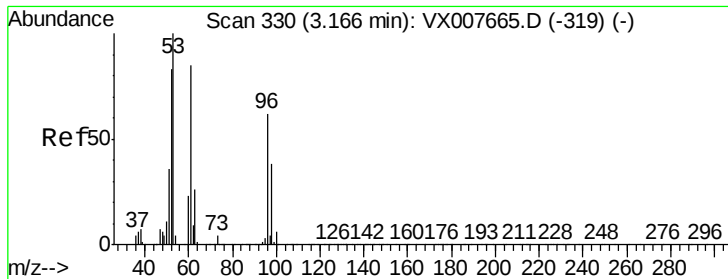
MMDadoda
2/26/2019 2:57:29 PM



#20
Methylene Chloride
Concen: 17.306 ug/l
RT: 2.86 min Scan# 280
Delta R.T. -0.00 min
Lab File: VX007664.D
Acq: 25 Feb 2019 10:41

Tgt Ion	Ratio	Lower	Upper
84	100		
49	126.4	94.8	142.2
51	38.4	29.8	44.8
86	65.8	54.1	81.1





#21

trans-1,2-Dichloroethene

Concen: 17.768 ug/l

RT: 3.17 min Scan# 331

Delta R.T. 0.01 min

Lab File: VX007664.D

Acq: 25 Feb 2019 10:41

Instrument :

MSVOA_X

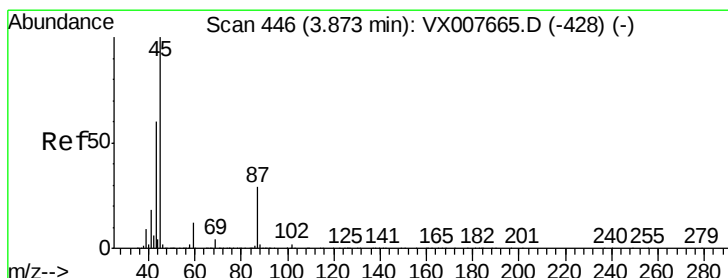
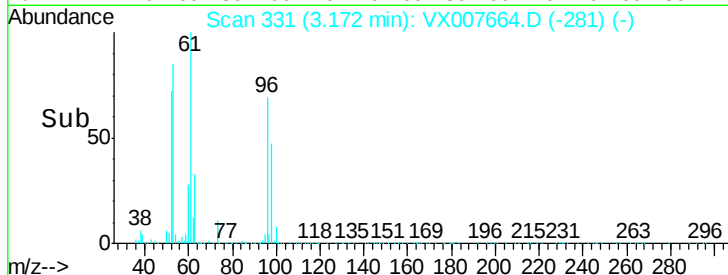
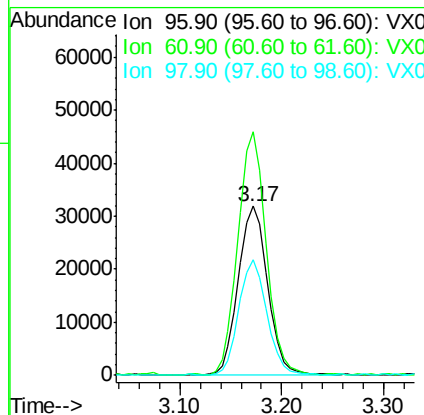
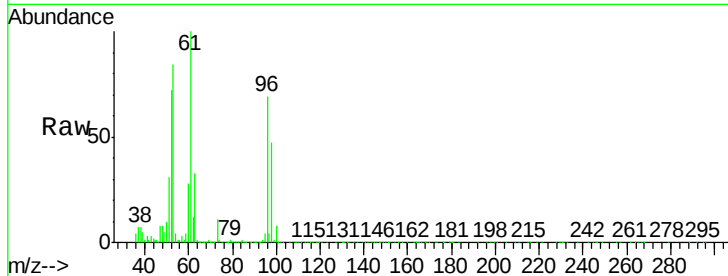
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	62932
Ion Ratio	Lower	Upper	
96	100		
61	144.0	104.6	156.8
98	68.0	51.0	76.4

Manual Integrations
APPROVED

MMDadoda
2/26/2019 2:57:29 PM



#22

Diisopropyl ether

Concen: 22.312 ug/l

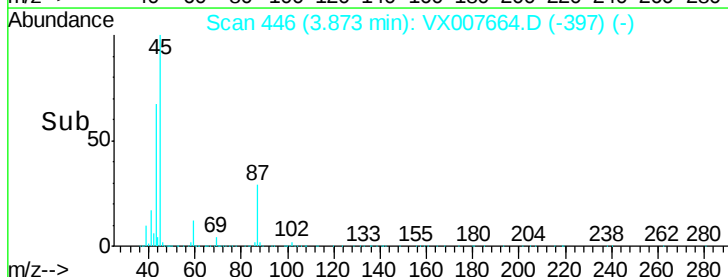
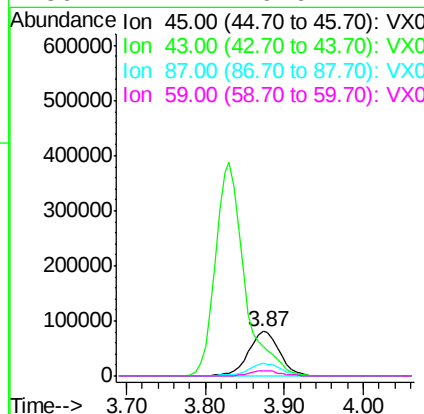
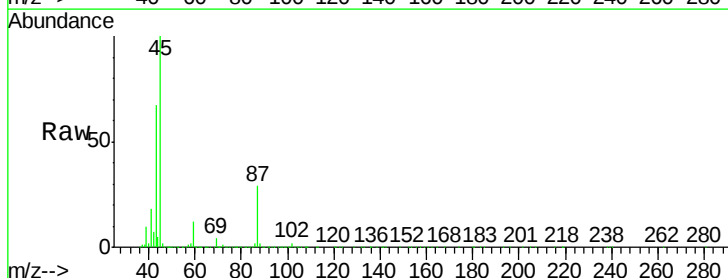
RT: 3.87 min Scan# 446

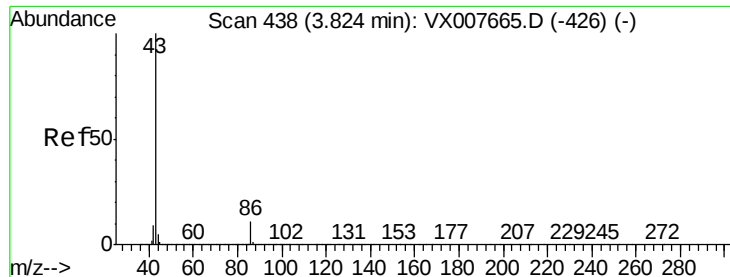
Delta R.T. -0.00 min

Lab File: VX007664.D

Acq: 25 Feb 2019 10:41

Tgt Ion:	45	Resp:	222341
Ion Ratio	Lower	Upper	
45	100		
43	66.2	48.9	73.3
87	28.5	23.9	35.9
59	11.4	9.6	14.4





#23

Vinyl Acetate

Concen: 120.231 ug/l

RT: 3.83 min Scan# 439

Delta R.T. 0.01 min

Lab File: VX007664.D

Acq: 25 Feb 2019 10:41

Tot Ion: 43 Resp: 994225

Ion Ratio Lower Upper

43 100

86 11.1 8.7 13.1

Instrument :

MSVOA_X

ClientSampleId :

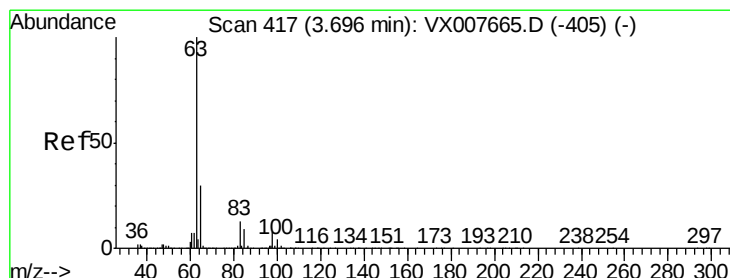
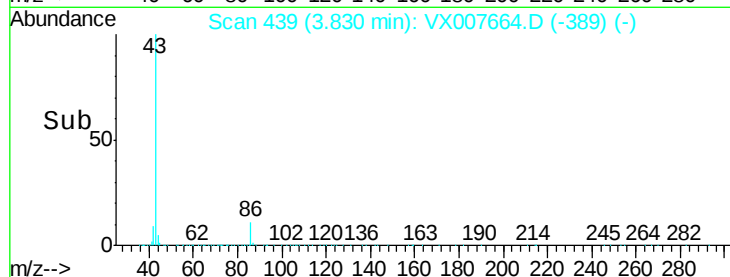
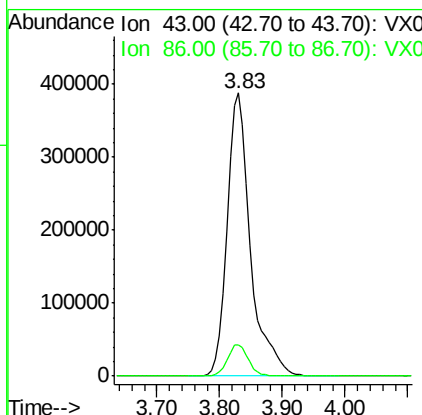
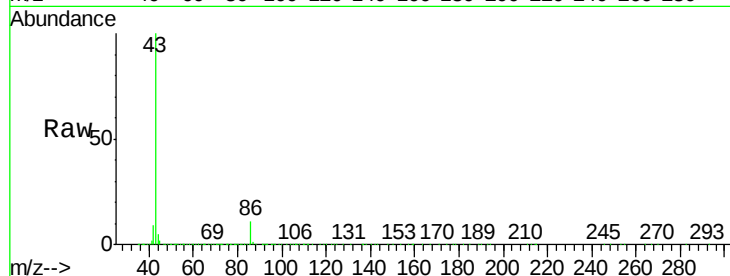
VSTDIC020

Manual Integrations

APPROVED

MMDadoda

2/26/2019 2:57:29 PM



#24

1,1-Dichloroethane

Concen: 21.821 ug/l

RT: 3.70 min Scan# 418

Delta R.T. 0.01 min

Lab File: VX007664.D

Acq: 25 Feb 2019 10:41

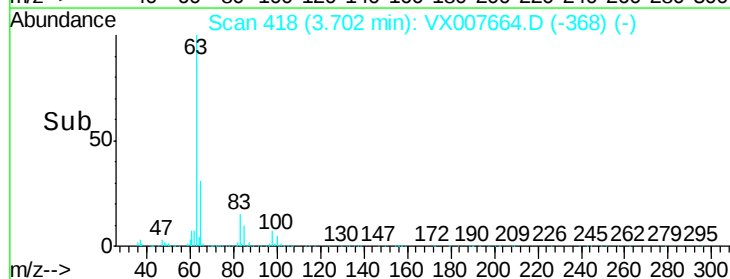
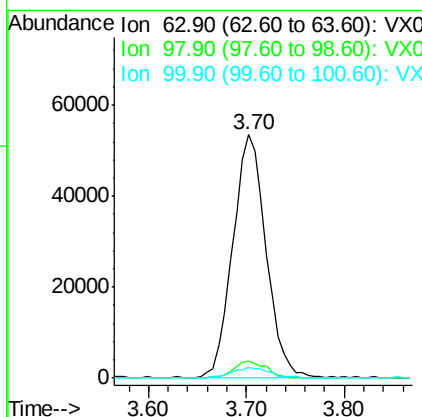
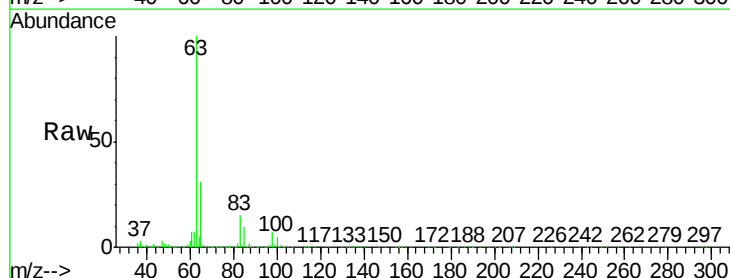
Tgt Ion: 63 Resp: 124878

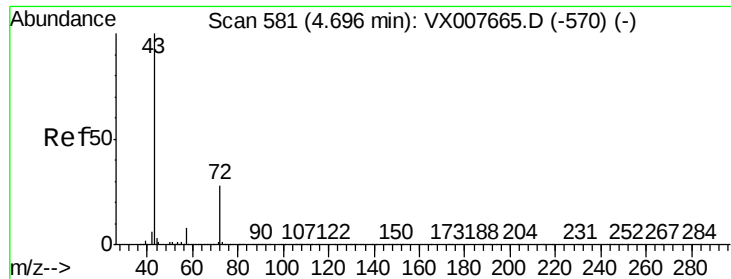
Ion Ratio Lower Upper

63 100

98 7.0 3.6 10.8

100 4.5 2.5 7.4





#25

2-Butanone

Concen: 121.130 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.01 min

Lab File: VX007664.D

Acq: 25 Feb 2019 10:41

Tot Ion: 43 Resp: 291863

Ion Ratio Lower Upper

43 100

72 27.8 22.2 33.2

Instrument :

MSVOA_X

ClientSampleId :

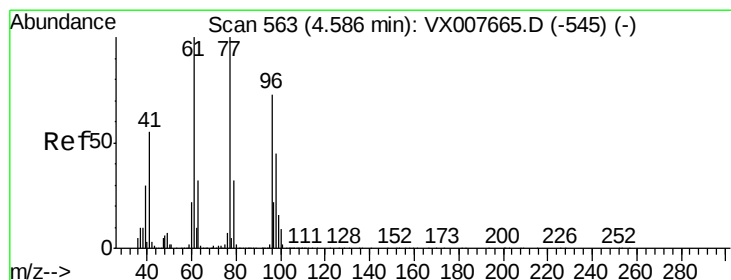
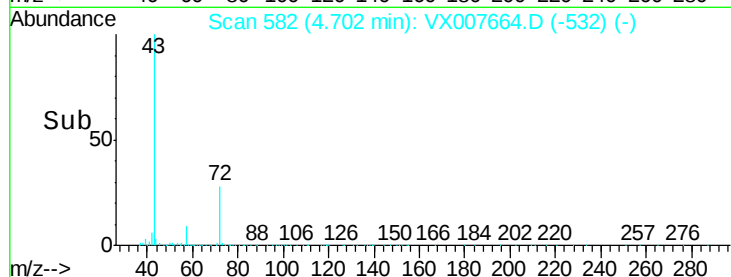
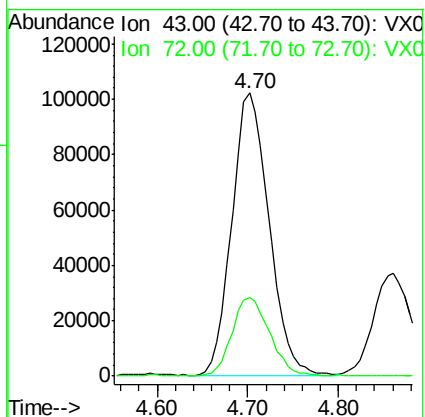
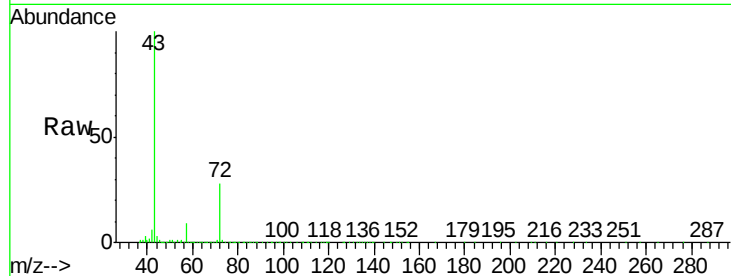
VSTDIC020

Manual Integrations

APPROVED

MMDadoda

2/26/2019 2:57:29 PM



#26

2,2-Dichloropropane

Concen: 21.877 ug/l

RT: 4.59 min Scan# 564

Delta R.T. 0.01 min

Lab File: VX007664.D

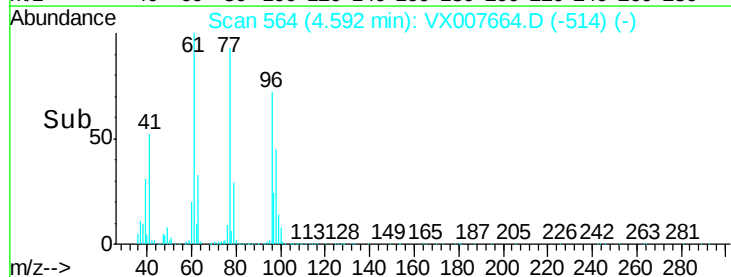
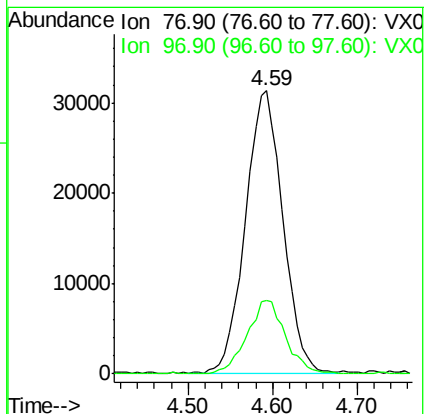
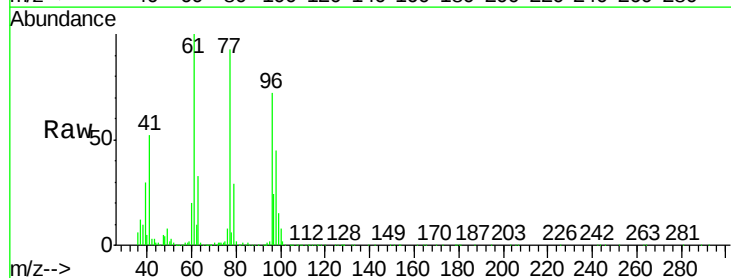
Acq: 25 Feb 2019 10:41

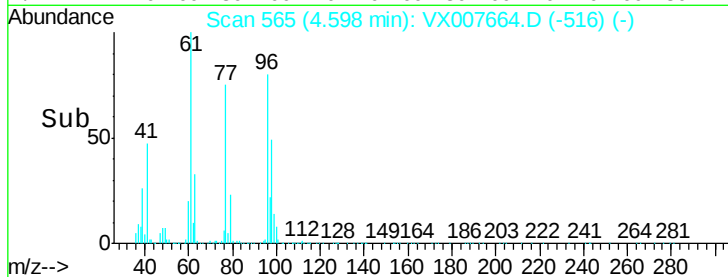
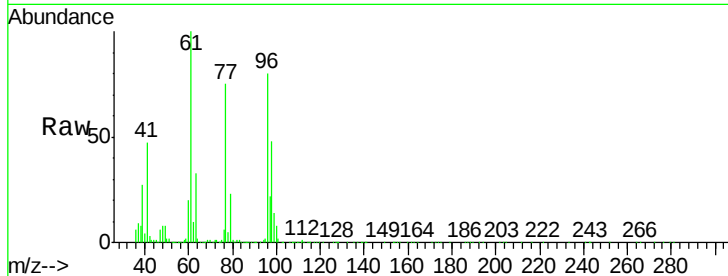
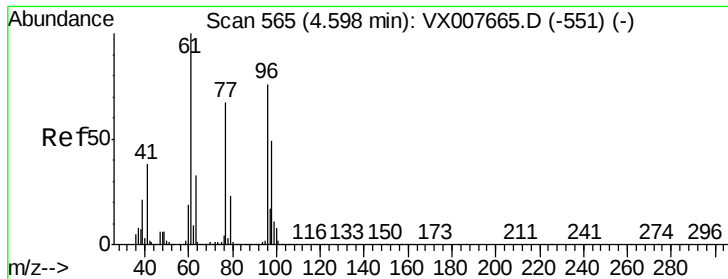
Tgt Ion: 77 Resp: 95343

Ion Ratio Lower Upper

77 100

97 26.8 12.1 36.3





#27

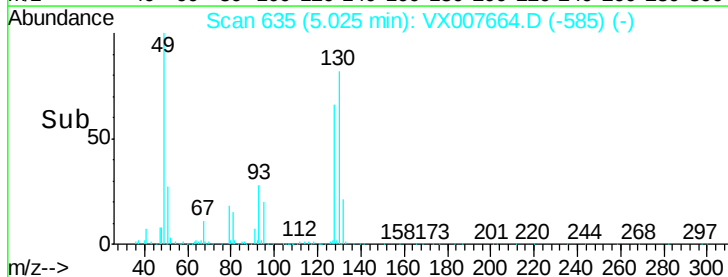
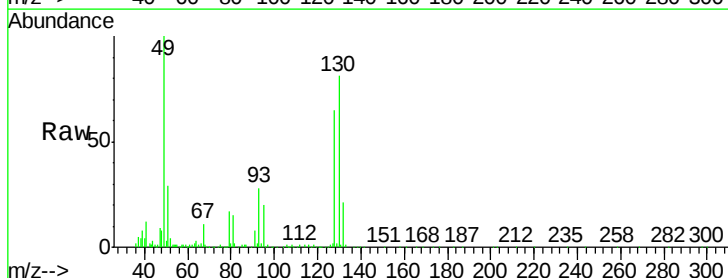
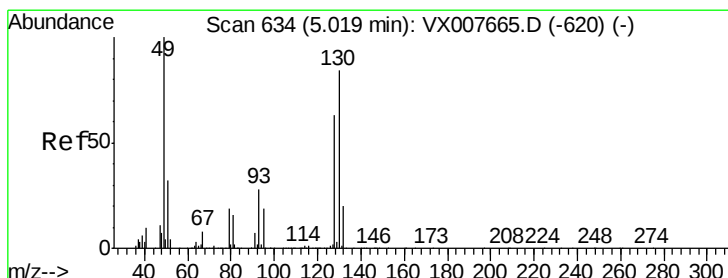
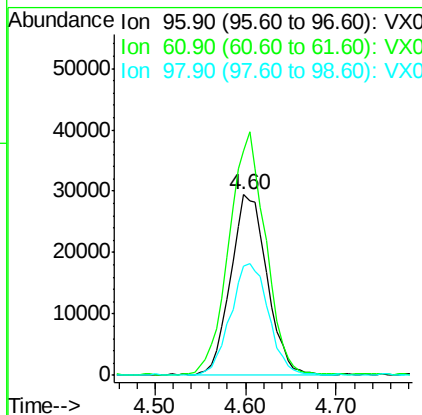
cis-1,2-Dichloroethene
Concen: 21.328 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX007664.D
Acq: 25 Feb 2019 10:41

Tot Ion	Ratio	Resp	Lower	Upper
96	100	82508		
61	134.5		0.0	265.6
98	63.7		0.0	131.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Manual Integrations
APPROVED

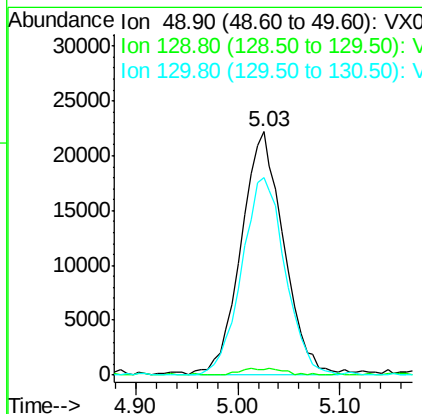
MMDadoda
2/26/2019 2:57:29 PM

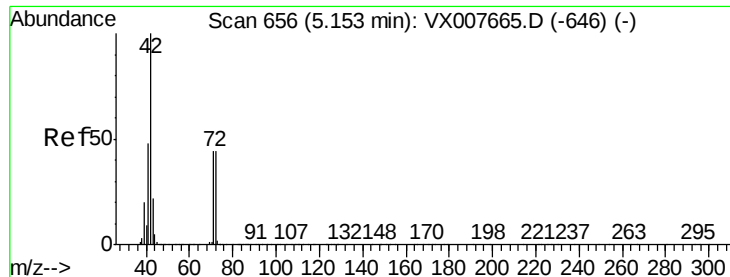


#28

Bromochloromethane
Concen: 24.483 ug/l
RT: 5.03 min Scan# 635
Delta R.T. 0.01 min
Lab File: VX007664.D
Acq: 25 Feb 2019 10:41

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	64432		
129	1.6		0.0	5.6
130	82.7		75.6	113.4





#29

Tetrahydrofuran

Concen: 122.316 ug/l

RT: 5.16 min Scan# 657

Delta R.T. 0.01 min

Lab File: VX007664.D

Acq: 25 Feb 2019 10:41

Instrument :

MSVOA_X

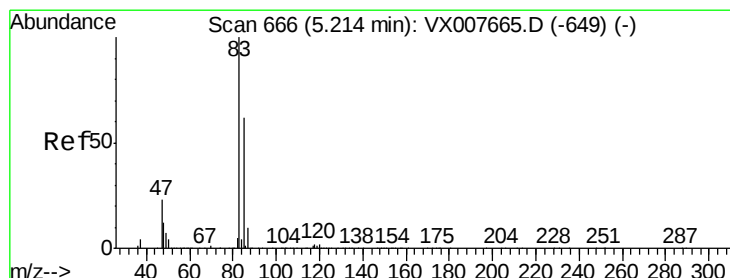
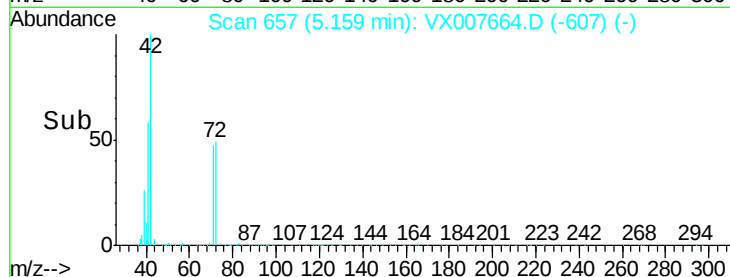
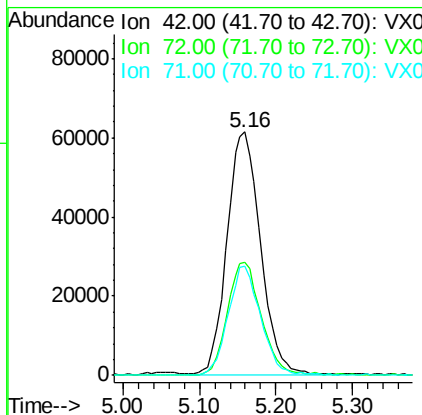
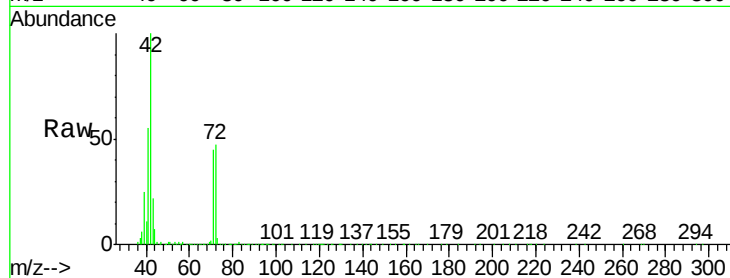
ClientSampleId :

VSTDIC020

Tot Ion:	42	Resp:	185359
Ion Ratio		Lower	Upper
42	100		
72	47.0	37.6	56.4
71	43.5	34.6	51.8

Manual Integrations
APPROVED

MMDadoda
2/26/2019 2:57:29 PM



#30

Chloroform

Concen: 21.913 ug/l

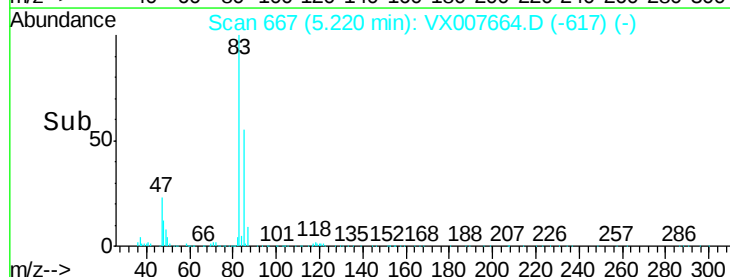
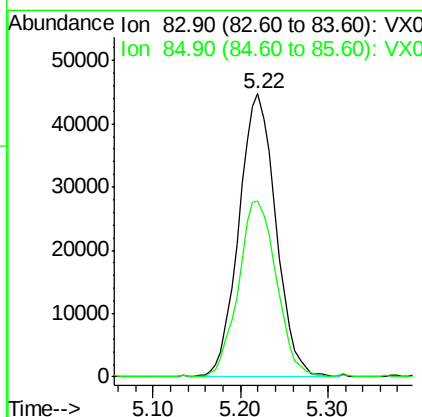
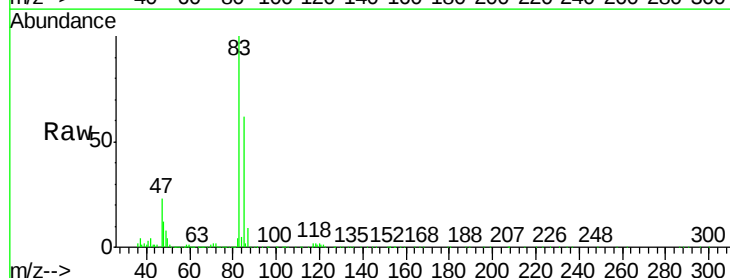
RT: 5.22 min Scan# 667

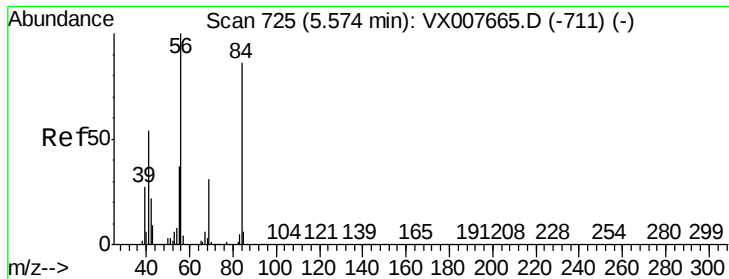
Delta R.T. 0.01 min

Lab File: VX007664.D

Acq: 25 Feb 2019 10:41

Tgt Ion:	83	Resp:	130853
Ion Ratio		Lower	Upper
83	100		
85	61.8	51.6	77.4





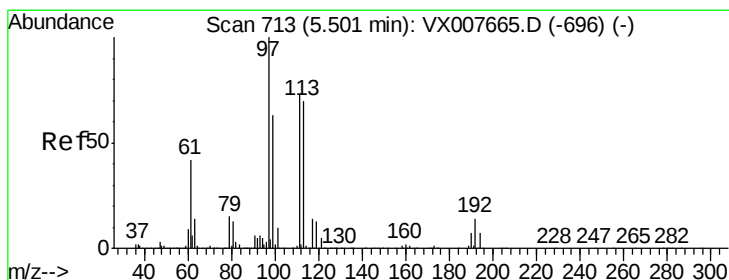
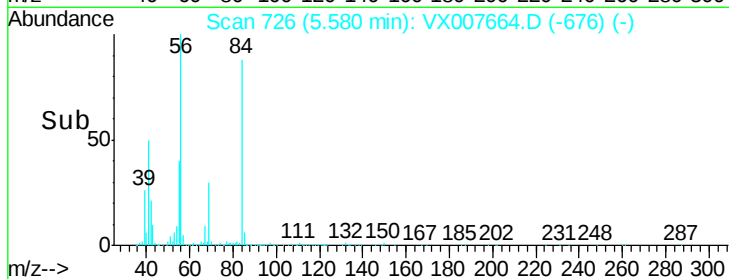
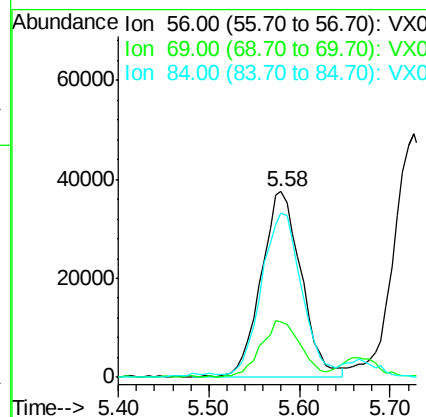
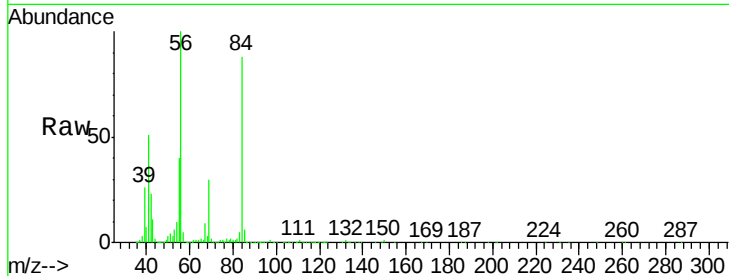
#31
Cyclohexane
Concen: 22.109 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.01 min
Lab File: VX007664.D
Acq: 25 Feb 2019 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.4	23.0	34.6
84	86.3	69.8	104.6

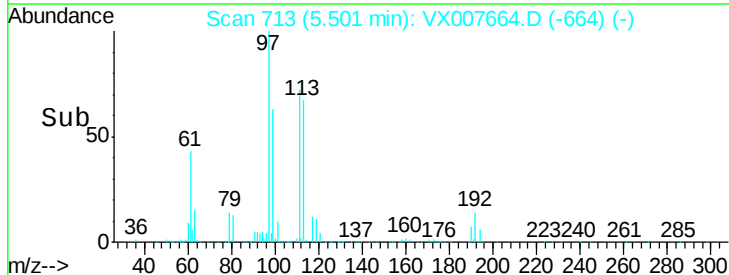
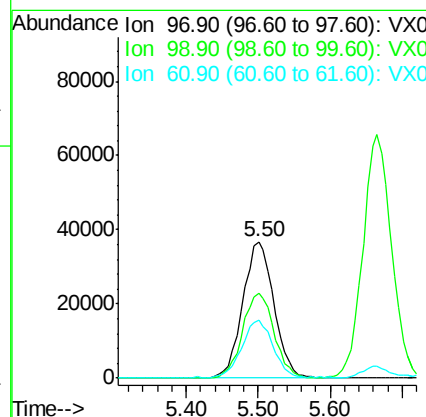
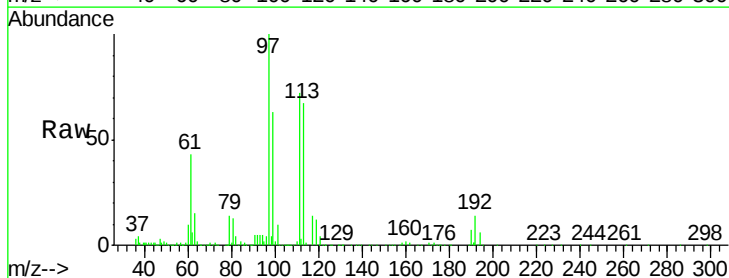
Manual Integrations
APPROVED

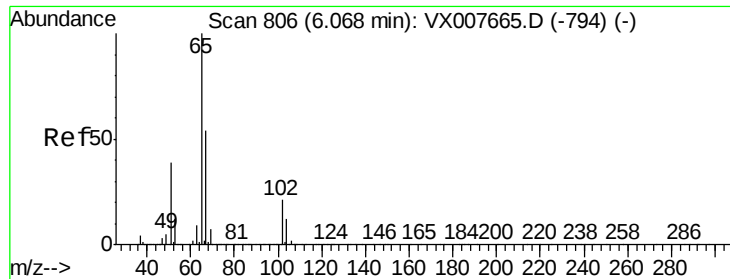
MMDadoda
2/26/2019 2:57:29 PM



#32
1,1,1-Trichloroethane
Concen: 21.947 ug/l
RT: 5.50 min Scan# 713
Delta R.T. -0.00 min
Lab File: VX007664.D
Acq: 25 Feb 2019 10:41

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.0	52.2	78.2
61	42.4	32.7	49.1





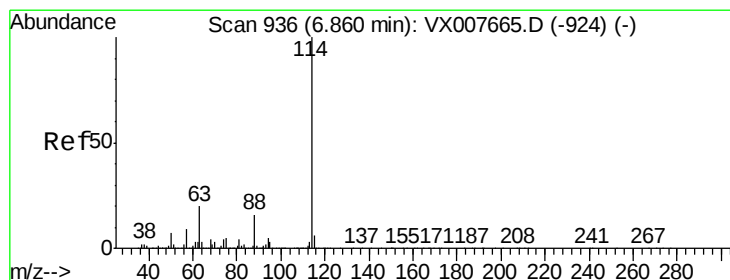
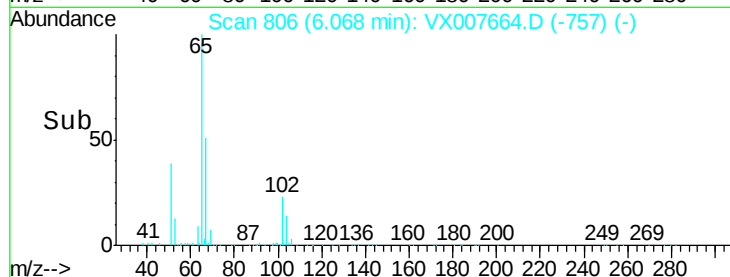
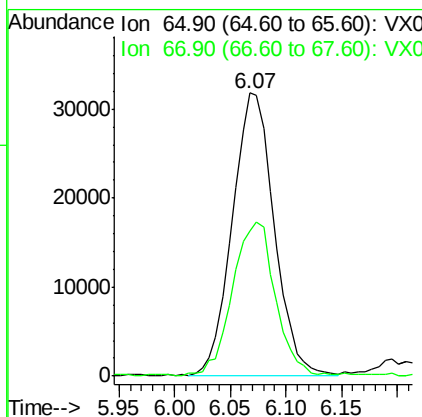
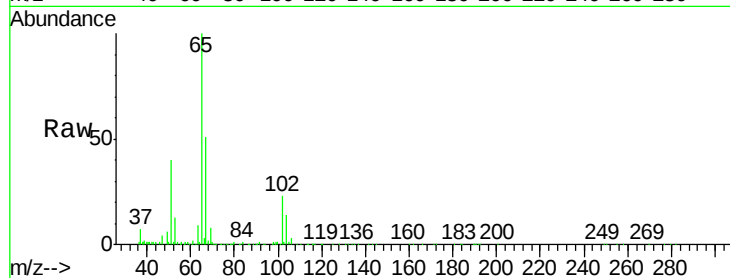
#33
 1,2-Dichloroethane-d4
 Concen: 22.559 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX007664.D
 Acq: 25 Feb 2019 10:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.9	0.0	108.8

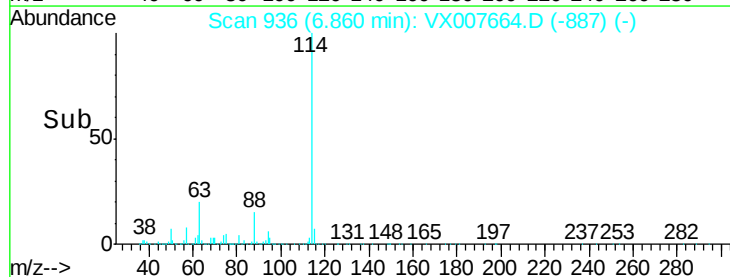
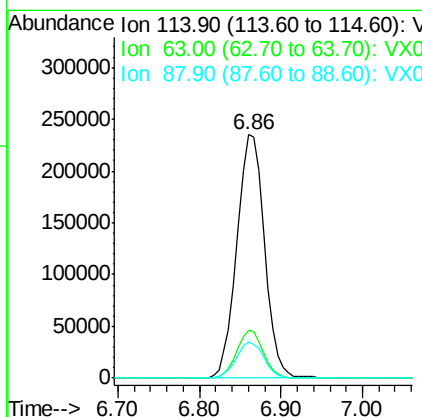
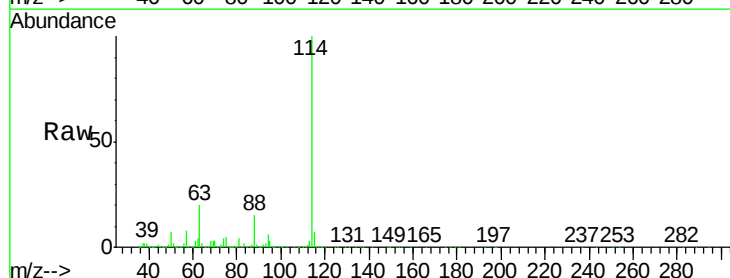
Manual Integrations
 APPROVED

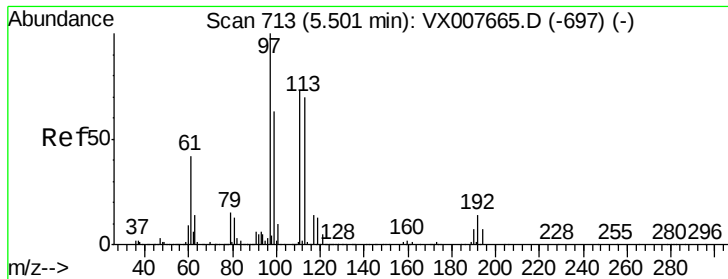
MMDadoda
 2/26/2019 2:57:29 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX007664.D
 Acq: 25 Feb 2019 10:41

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	35.6
88	14.7	0.0	29.6





#35

Dibromofluoromethane

Concen: 20.983 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX007664.D

Acq: 25 Feb 2019 10:41

Instrument :

MSVOA_X

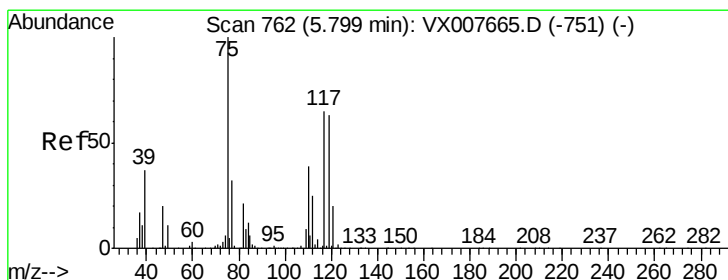
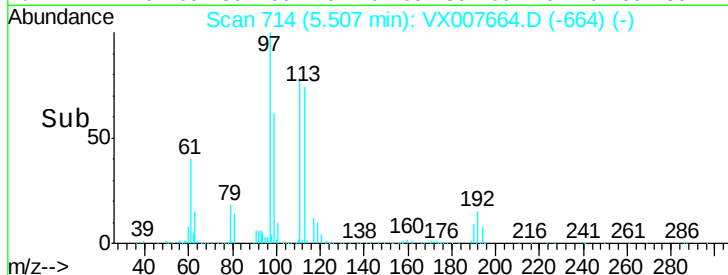
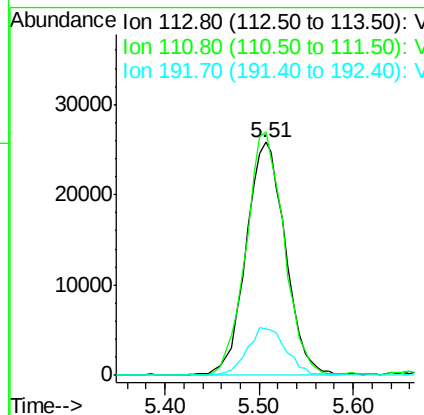
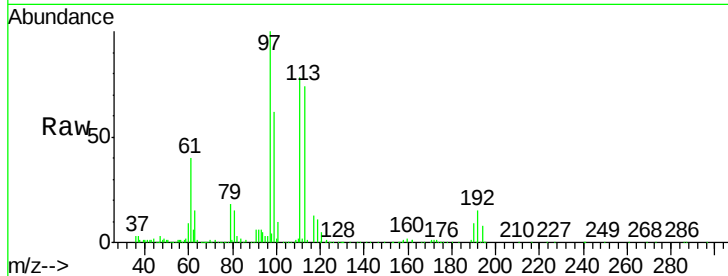
ClientSampleId :

VSTDIC020

Tot Ion:	113	Resp:	75415
Ion Ratio	Lower	Upper	
113	100		
111	100.8	81.8	122.8
192	20.5	18.5	27.7

Manual Integrations
APPROVED

MMDadoda
2/26/2019 2:57:29 PM



#36

1,1-Dichloropropene

Concen: 18.925 ug/l

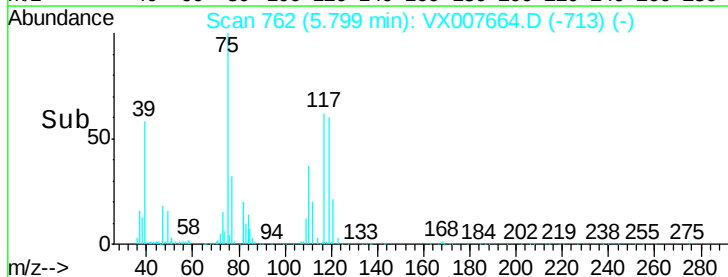
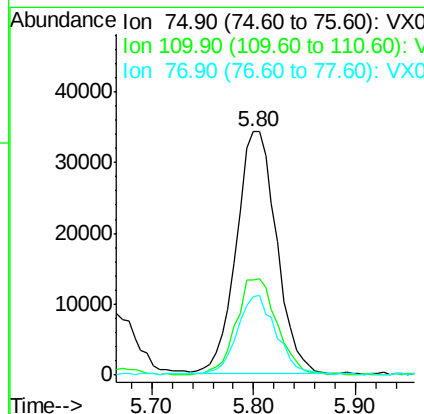
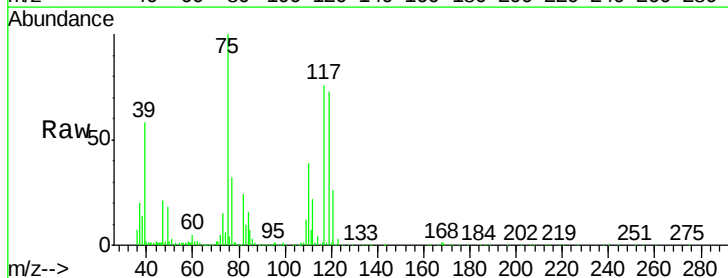
RT: 5.80 min Scan# 762

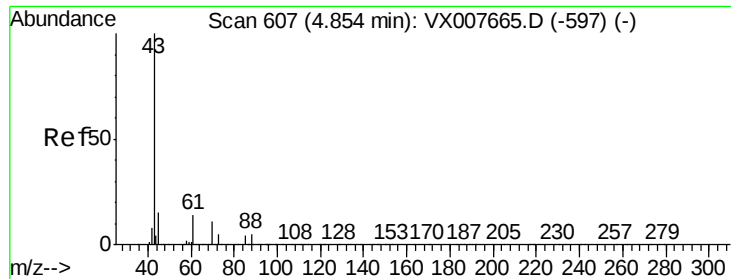
Delta R.T. -0.00 min

Lab File: VX007664.D

Acq: 25 Feb 2019 10:41

Tgt Ion:	75	Resp:	93796
Ion Ratio	Lower	Upper	
75	100		
110	40.8	20.0	59.9
77	31.4	24.7	37.1





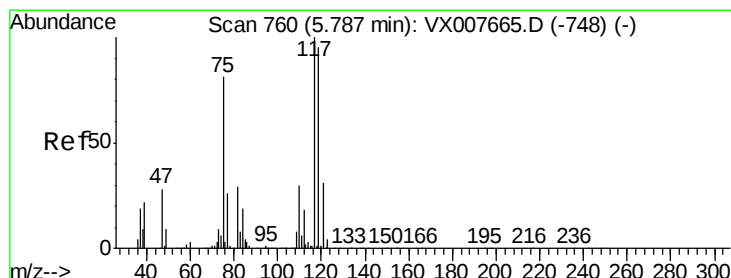
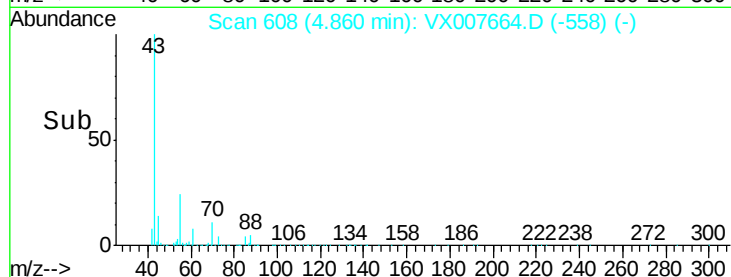
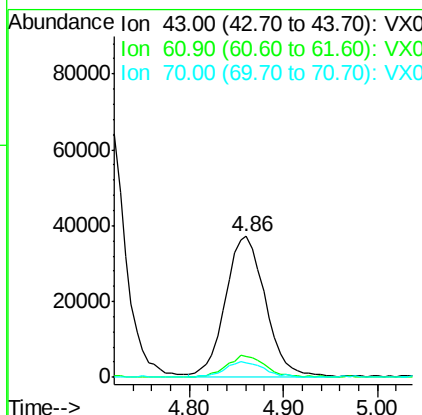
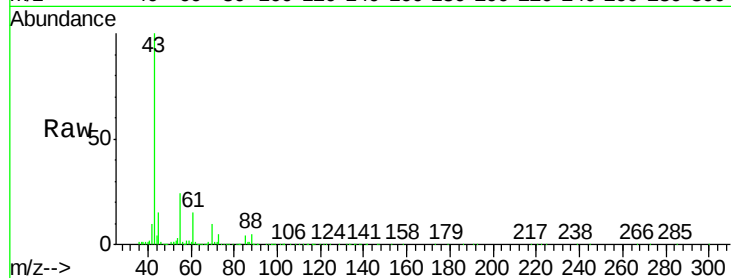
#37
Ethyl Acetate
Concen: 21.705 ug/l
RT: 4.86 min Scan# 608
Delta R.T. 0.01 min
Lab File: VX007664.D
Acq: 25 Feb 2019 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.3	16.9
70	10.7	8.6	13.0

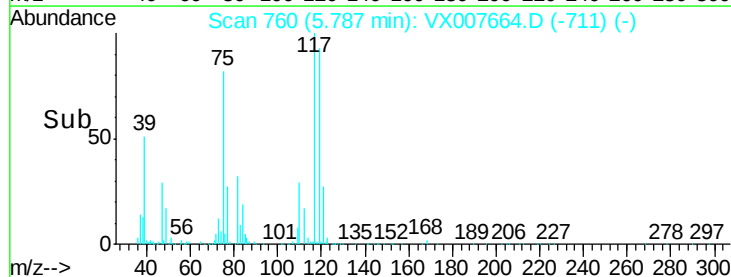
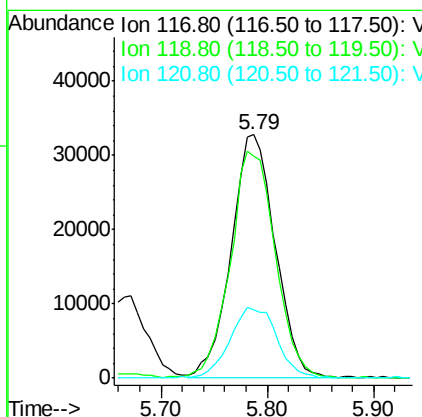
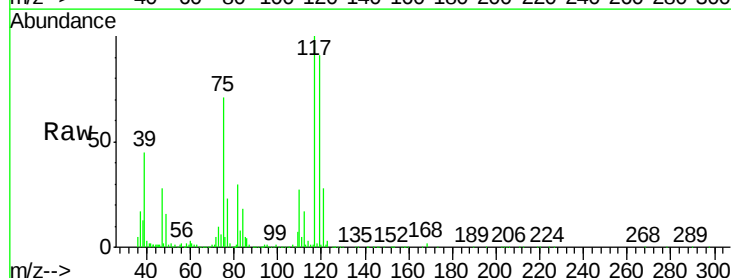
Manual Integrations
APPROVED

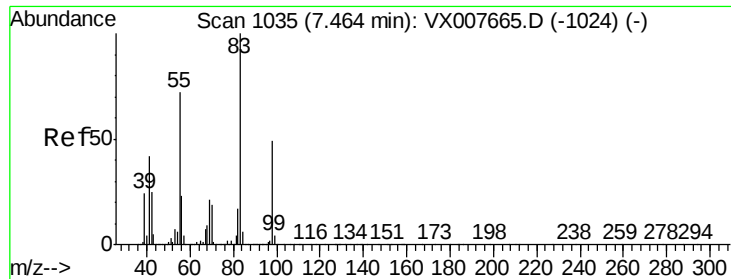
MMDadoda
2/26/2019 2:57:29 PM



#38
Carbon Tetrachloride
Concen: 19.612 ug/l
RT: 5.79 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX007664.D
Acq: 25 Feb 2019 10:41

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.2	75.3	112.9
121	27.9	25.0	37.4





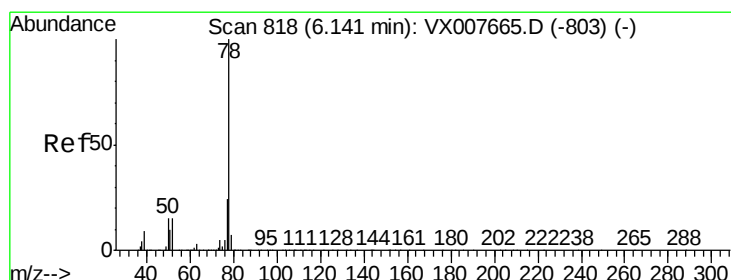
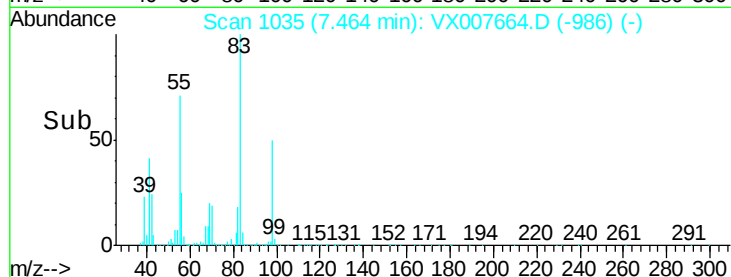
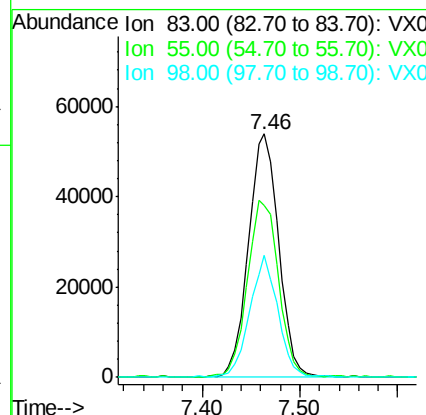
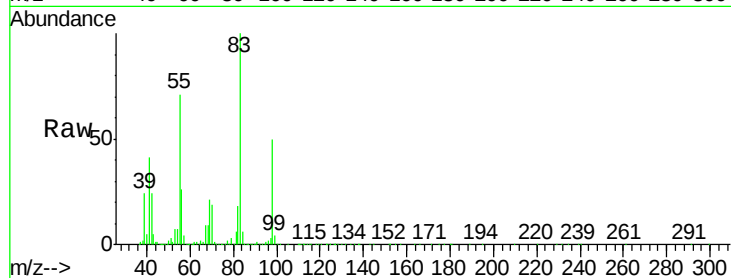
#39
Methvlcvclohexane
Concen: 19.366 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX007664.D
Acq: 25 Feb 2019 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
83	100	116125		
55	70.6	56.2	84.2	
98	49.6	36.8	55.2	

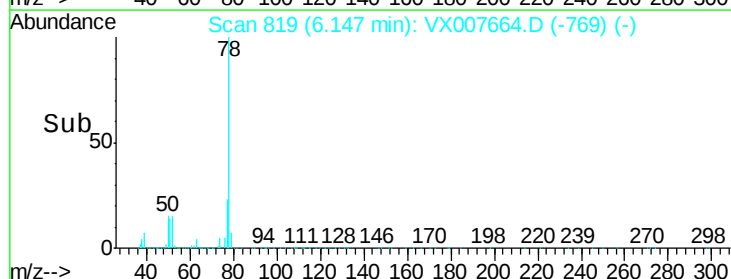
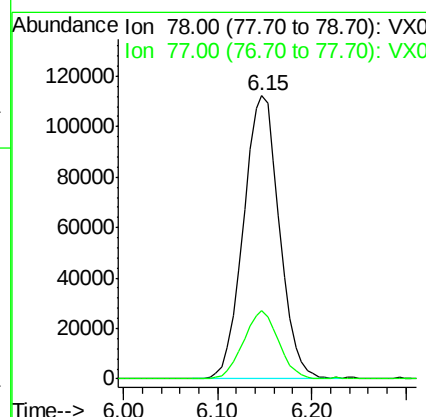
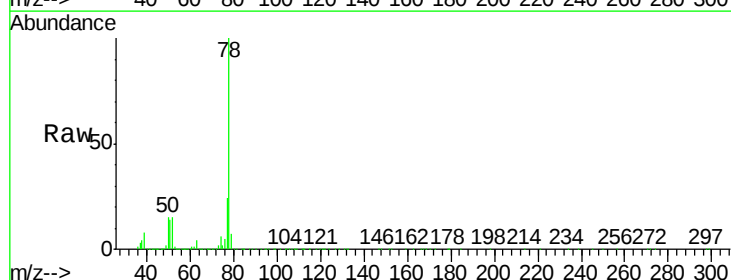
Manual Integrations
APPROVED

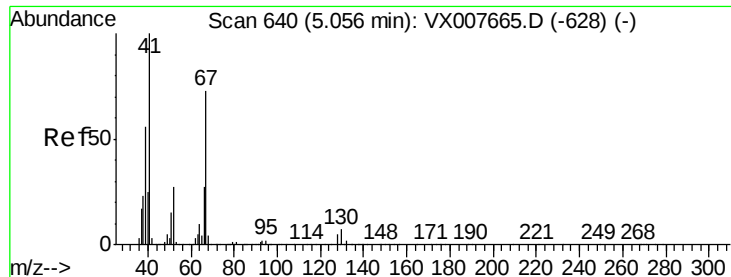
MMDadoda
2/26/2019 2:57:29 PM



#40
Benzene
Concen: 20.432 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX007664.D
Acq: 25 Feb 2019 10:41

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	298291		
77	24.0	19.3	28.9	





#41

Methacrylonitrile

Concen: 21.414 ug/l

RT: 5.07 min Scan# 642

Delta R.T. 0.01 min

Lab File: VX007664.D

Acq: 25 Feb 2019 10:41

Instrument :

MSVOA_X

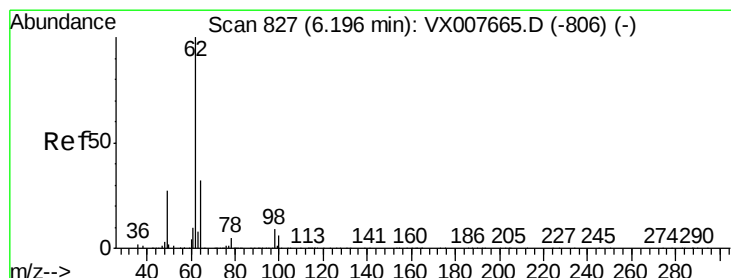
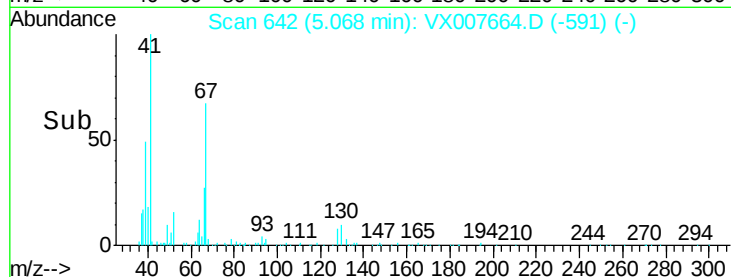
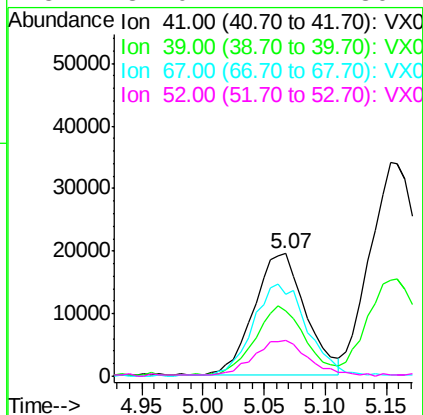
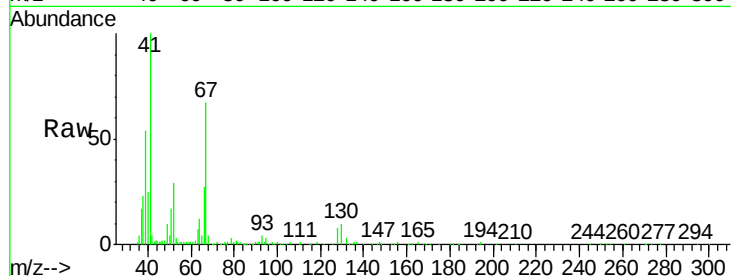
ClientSampleId :

VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.1	44.5	66.7	
67	77.8	60.4	90.6	
52	32.0	24.1	36.1	

Manual Integrations
APPROVED

MMDadoda
2/26/2019 2:57:29 PM



#42

1,2-Dichloroethane

Concen: 19.482 ug/l

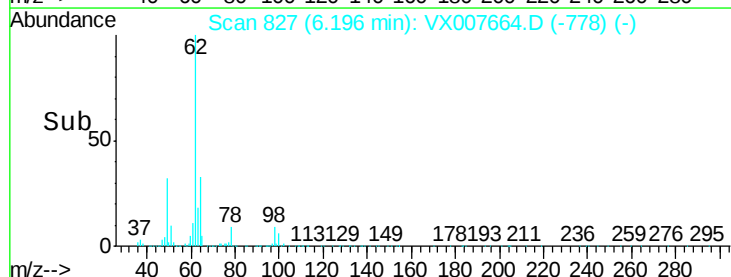
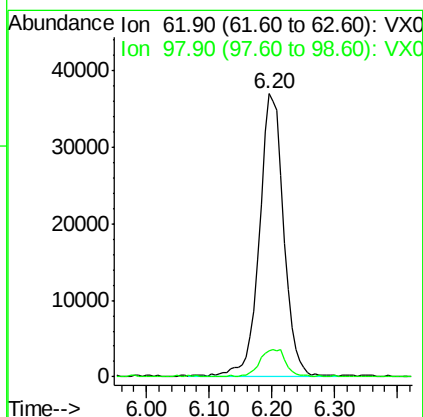
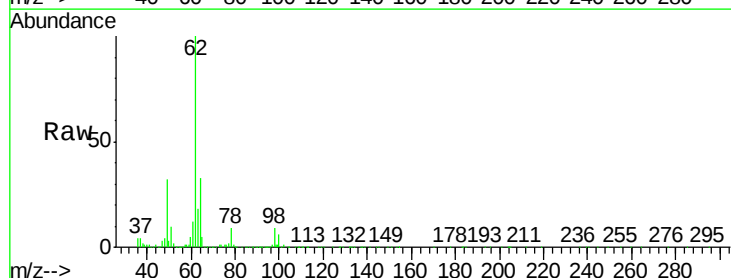
RT: 6.20 min Scan# 827

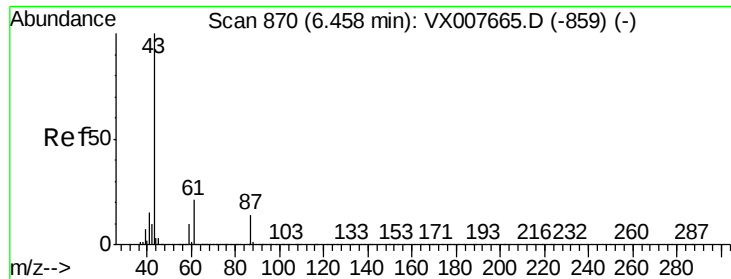
Delta R.T. -0.00 min

Lab File: VX007664.D

Acq: 25 Feb 2019 10:41

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.4	0.0	19.0	





#43

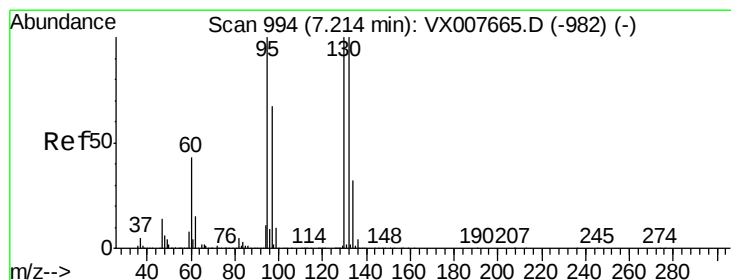
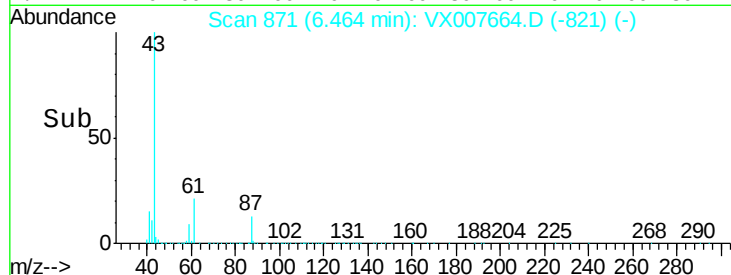
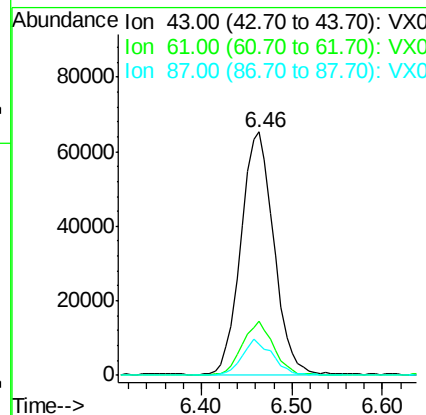
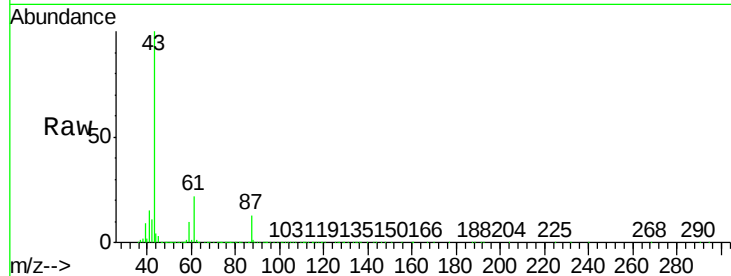
Isopropyl Acetate
 Concen: 21.143 ug/l
 RT: 6.46 min Scan# 871
 Delta R.T. 0.01 min
 Lab File: VX007664.D
 Acq: 25 Feb 2019 10:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.3	16.1	24.1
87	13.7	11.5	17.3

Manual Integrations
 APPROVED

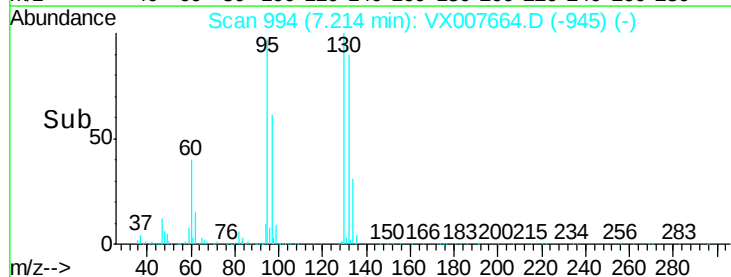
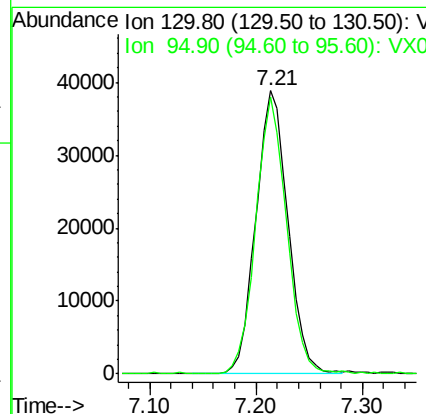
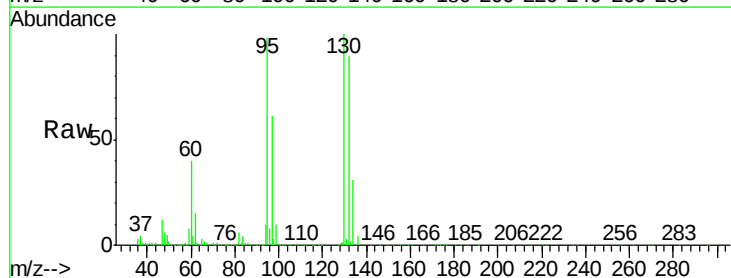
MMDadoda
 2/26/2019 2:57:29 PM

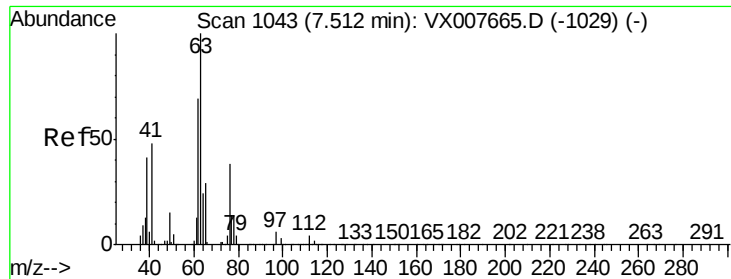


#44

Trichloroethene
 Concen: 18.715 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX007664.D
 Acq: 25 Feb 2019 10:41

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.5	0.0	180.0





#45

1,2-Dichloropropane

Concen: 21.126 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. 0.01 min

Lab File: VX007664.D

Acq: 25 Feb 2019 10:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 63 Resp: 77275

Ion Ratio Lower Upper

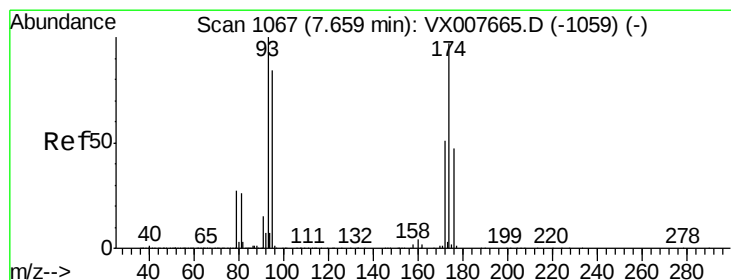
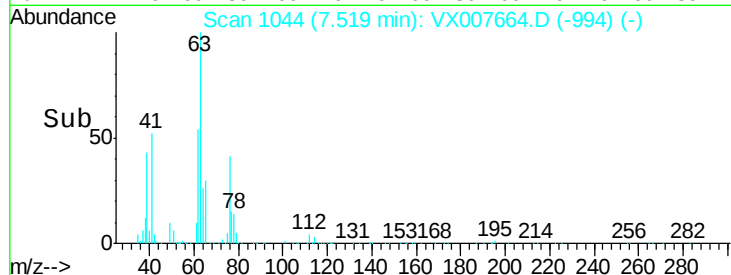
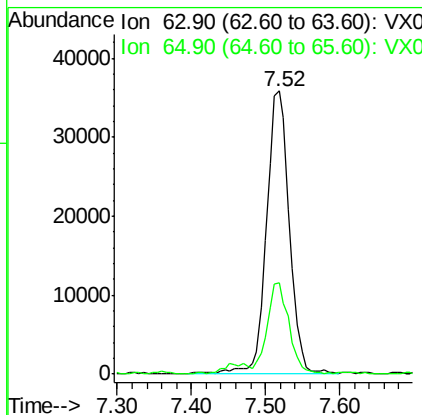
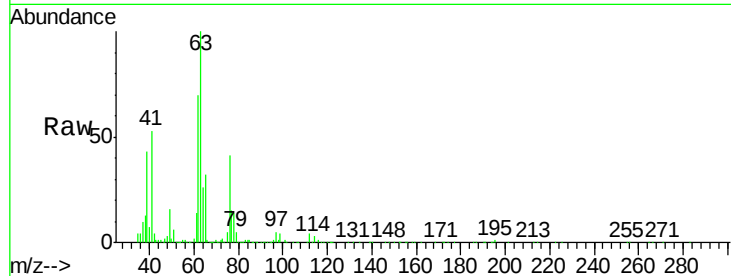
63 100

65 32.3 24.2 36.2

Manual Integrations
APPROVED

MMDadoda

2/26/2019 2:57:29 PM



#46

Dibromomethane

Concen: 19.793 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.01 min

Lab File: VX007664.D

Acq: 25 Feb 2019 10:41

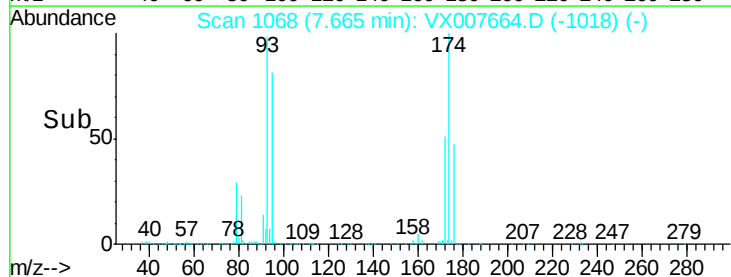
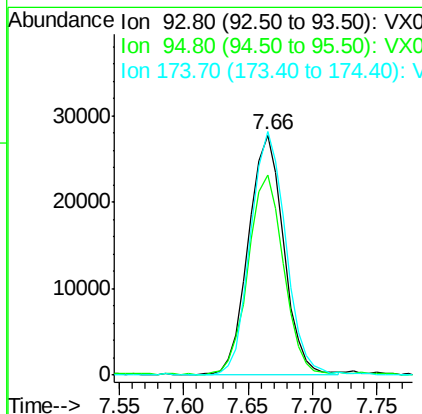
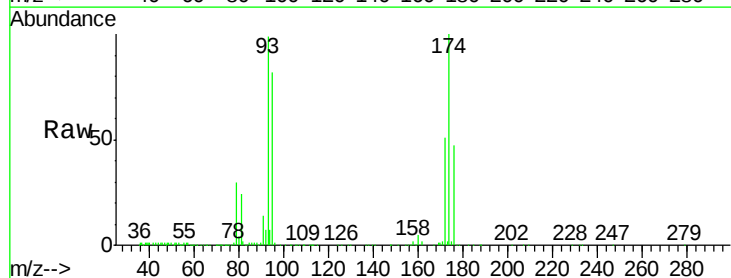
Tgt Ion: 93 Resp: 52621

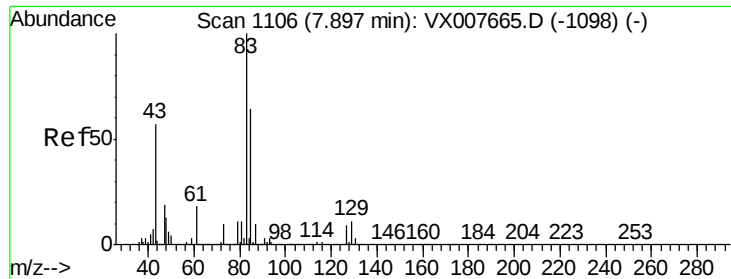
Ion Ratio Lower Upper

93 100

95 83.2 67.6 101.4

174 101.8 94.2 141.4





#47

Bromodichloromethane

Concen: 20.364 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VX007664.D

Acq: 25 Feb 2019 10:41

Instrument :

MSVOA_X

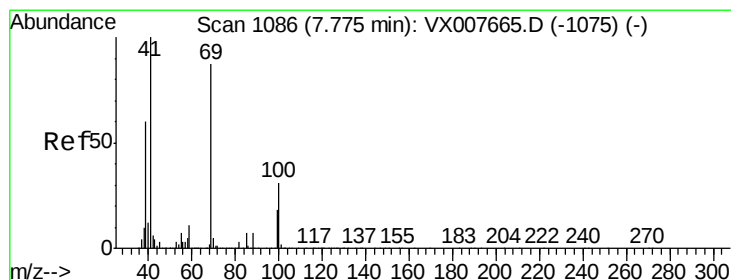
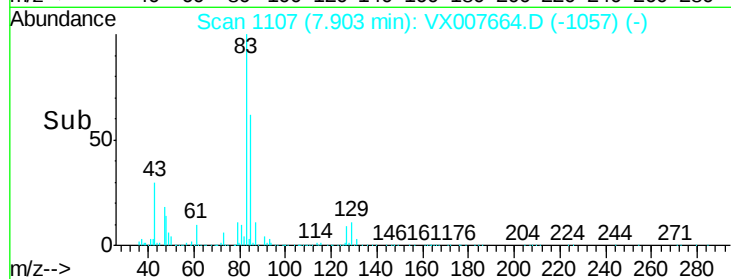
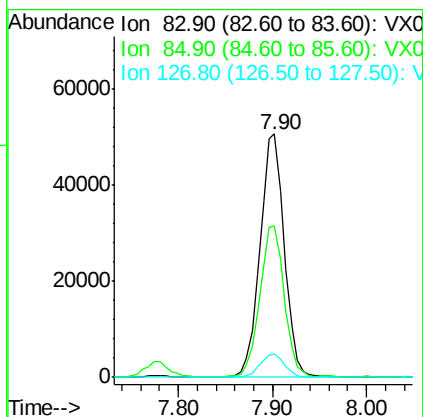
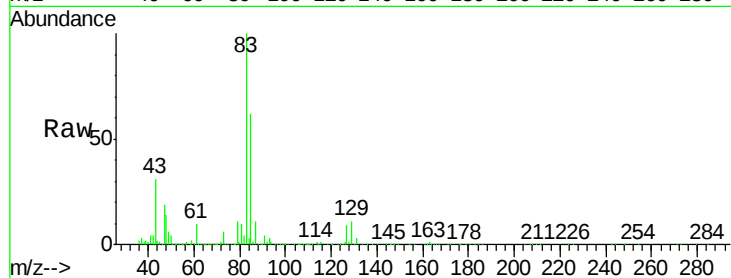
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	91752
Ion Ratio	Lower	Upper	
83	100		
85	62.2	51.4	77.0
127	9.3	8.1	12.1

Manual Integrations
APPROVED

MMDadoda
2/26/2019 2:57:29 PM



#48

Methyl methacrylate

Concen: 21.623 ug/l

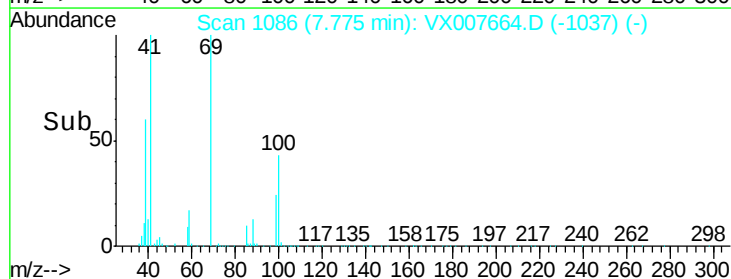
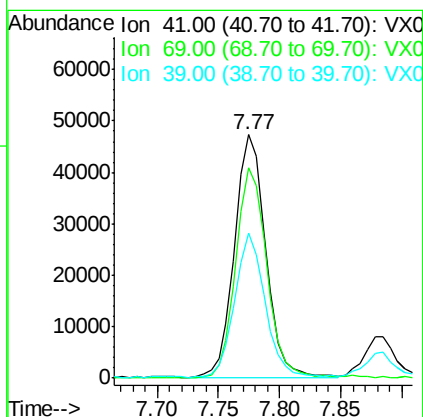
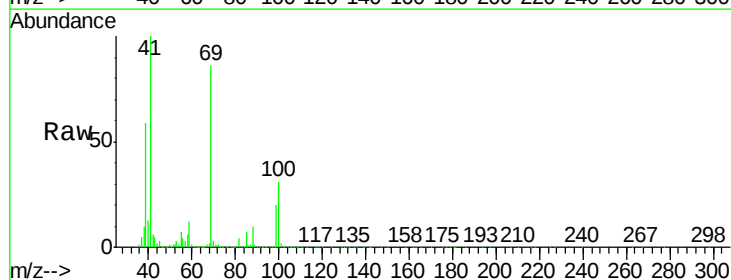
RT: 7.77 min Scan# 1086

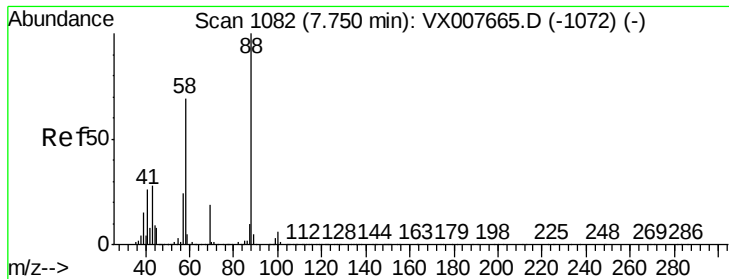
Delta R.T. -0.00 min

Lab File: VX007664.D

Acq: 25 Feb 2019 10:41

Tgt Ion:	41	Resp:	83640
Ion Ratio	Lower	Upper	
41	100		
69	85.4	70.2	105.4
39	59.1	47.4	71.0





#49

1,4-Dioxane

Concen: 390.486 ug/l

RT: 7.76 min Scan# 1083

Delta R.T. 0.01 min

Lab File: VX007664.D

Acq: 25 Feb 2019 10:41

Instrument :

MSVOA_X

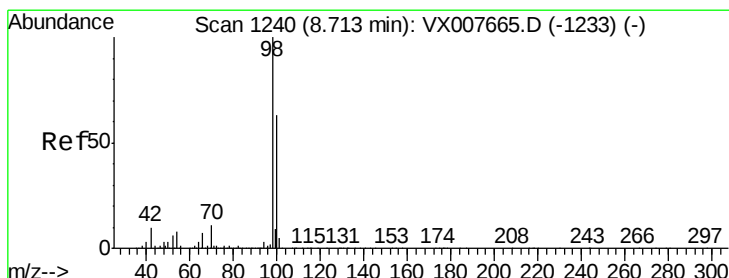
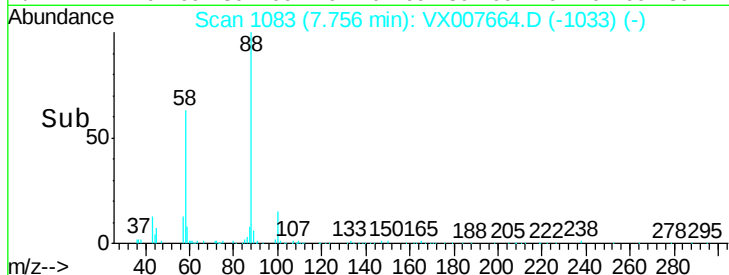
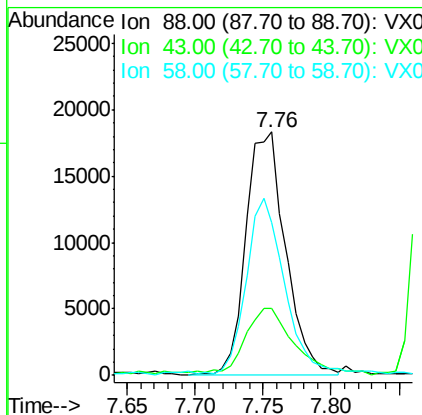
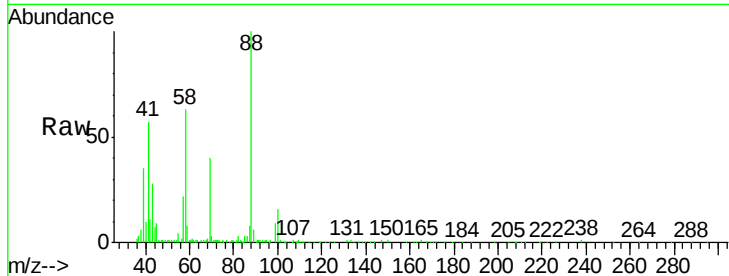
ClientSampleId :

VSTDIC020

Tot Ion:	88	Resp:	37590
Ion	Ratio	Lower	Upper
88	100		
43	35.2	24.2	36.4
58	70.2	53.0	79.4

Manual Integrations
APPROVED

MMDadoda
2/26/2019 2:57:29 PM



#50

Toluene-d8

Concen: 20.476 ug/l

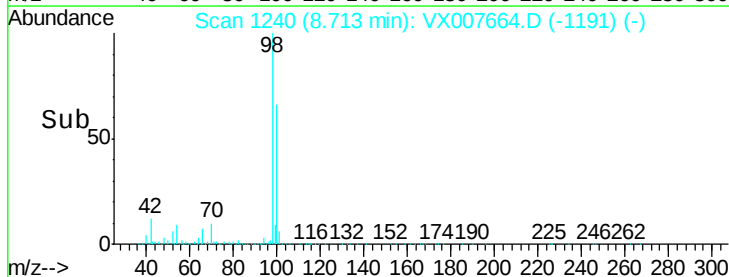
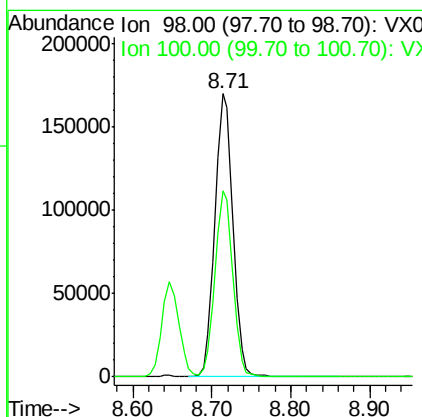
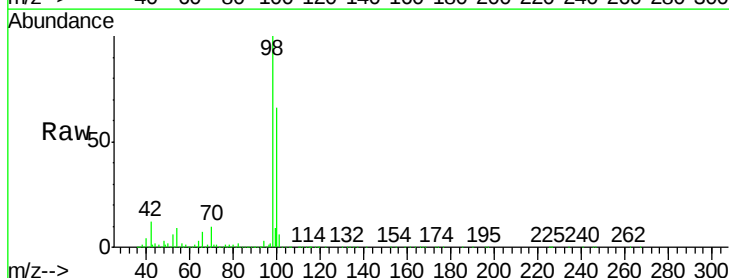
RT: 8.71 min Scan# 1240

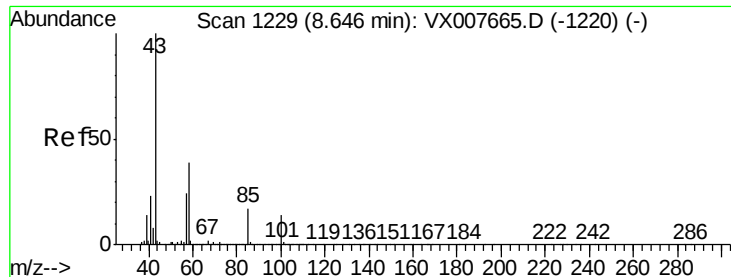
Delta R.T. -0.00 min

Lab File: VX007664.D

Acq: 25 Feb 2019 10:41

Tgt Ion:	98	Resp:	273040
Ion	Ratio	Lower	Upper
98	100		
100	64.7	51.6	77.4





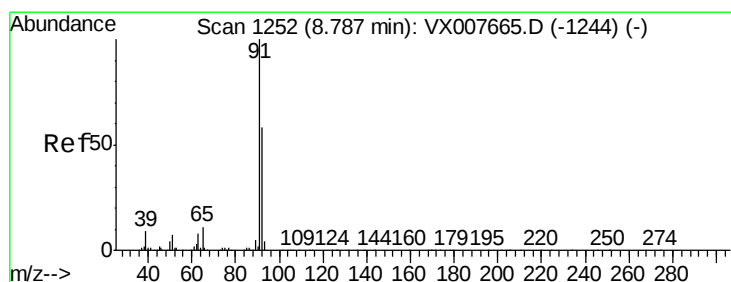
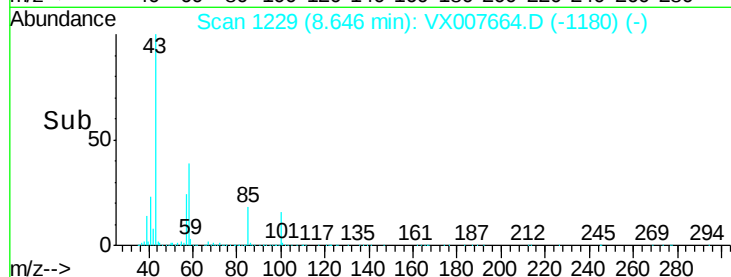
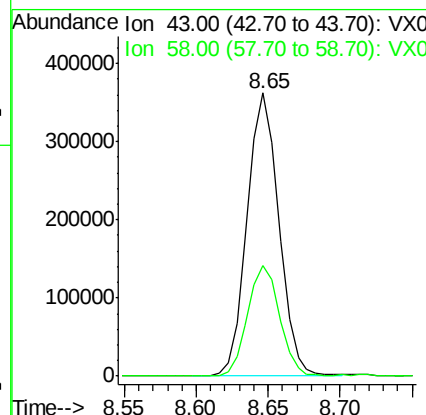
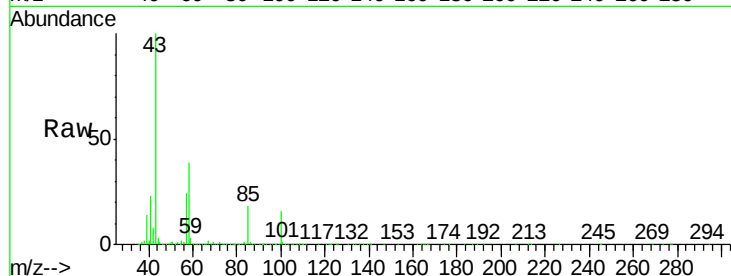
#51
4-Methyl-2-Pentanone
Concen: 108.500 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. -0.00 min
Lab File: VX007664.D
Acq: 25 Feb 2019 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.5	31.2	46.8

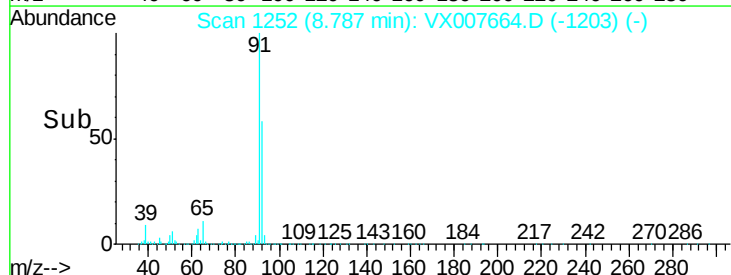
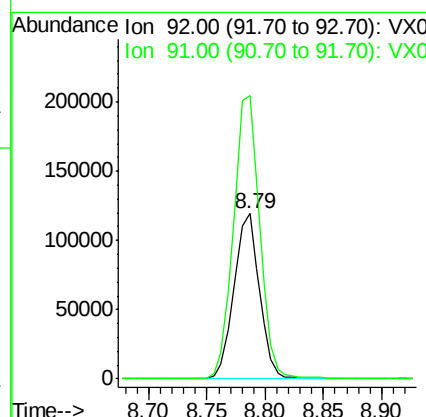
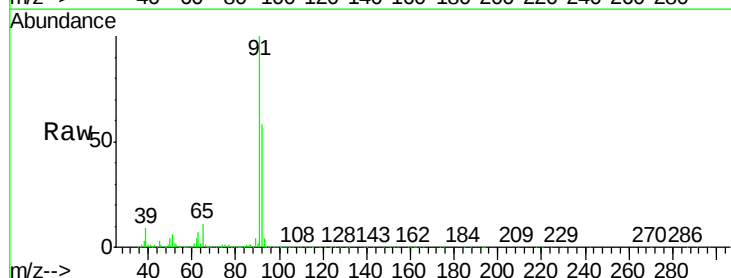
Manual Integrations
APPROVED

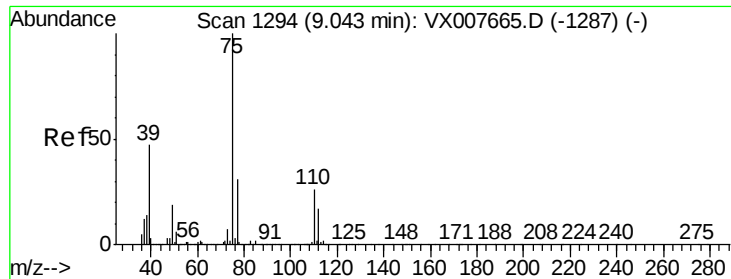
MMDadoda
2/26/2019 2:57:29 PM



#52
Toluene
Concen: 19.397 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VX007664.D
Acq: 25 Feb 2019 10:41

Tgt Ion	Ratio	Lower	Upper
92	100		
91	176.0	139.1	208.7





#53

t-1,3-Dichloropropene

Concen: 20.773 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX007664.D

Acq: 25 Feb 2019 10:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 75 Resp: 100538

Ion Ratio Lower Upper

75 100

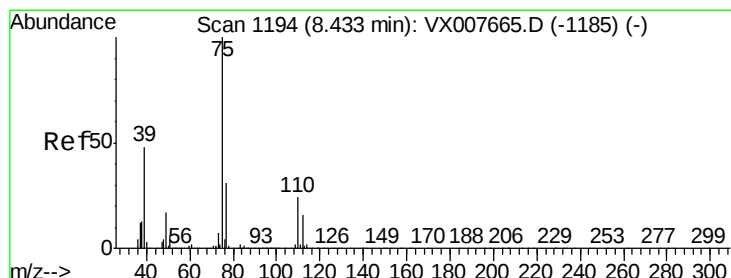
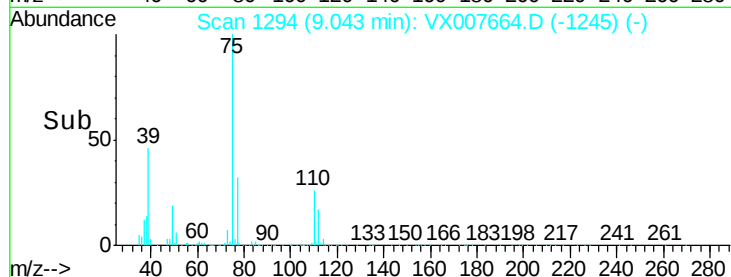
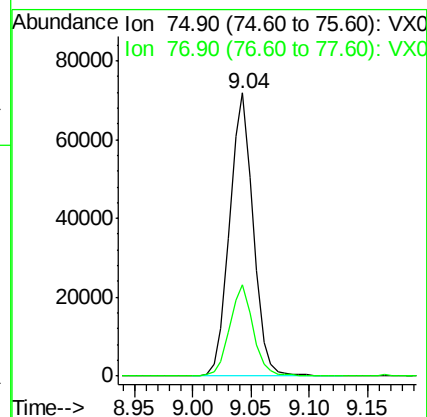
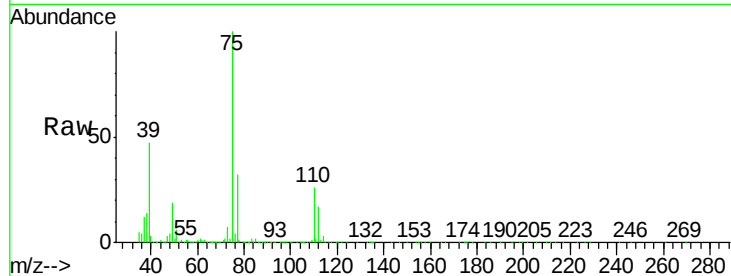
77 31.9 25.2 37.8

Manual Integrations

APPROVED

MMDadoda

2/26/2019 2:57:29 PM



#54

cis-1,3-Dichloropropene

Concen: 21.080 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX007664.D

Acq: 25 Feb 2019 10:41

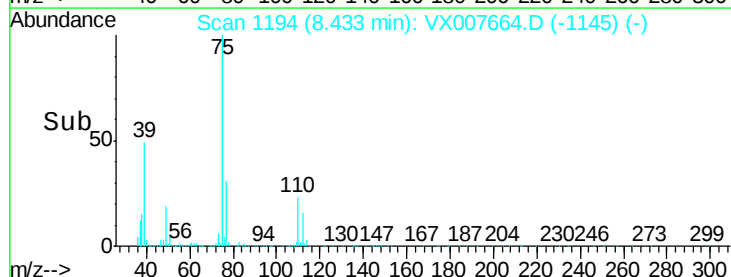
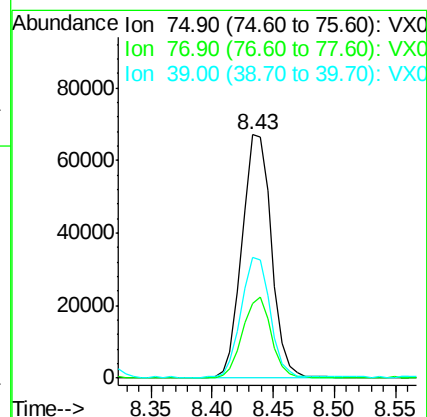
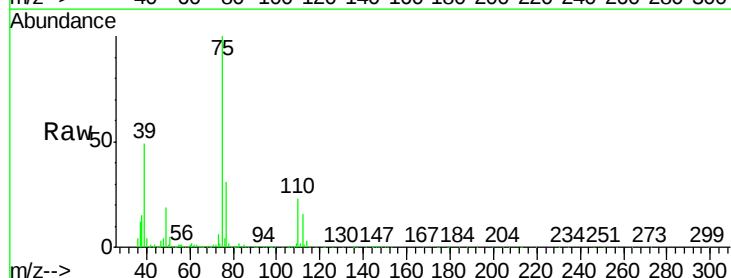
Tgt Ion: 75 Resp: 112192

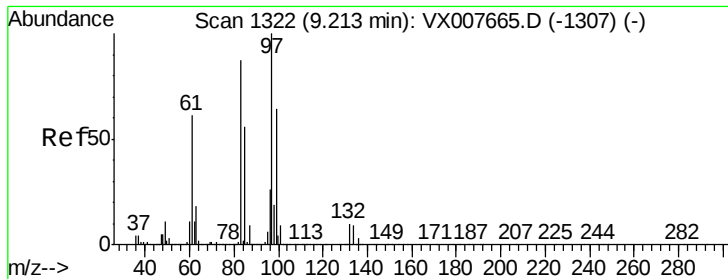
Ion Ratio Lower Upper

75 100

77 30.3 26.2 39.4

39 49.1 37.1 55.7





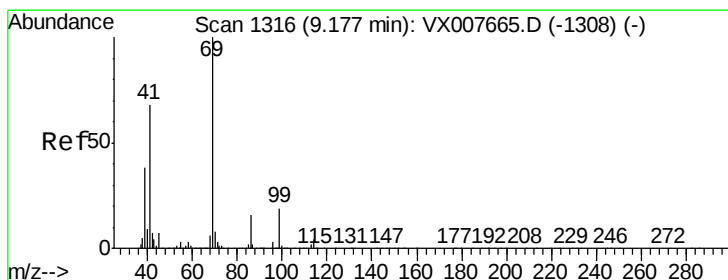
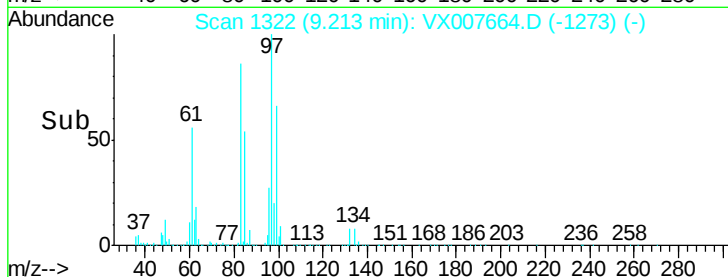
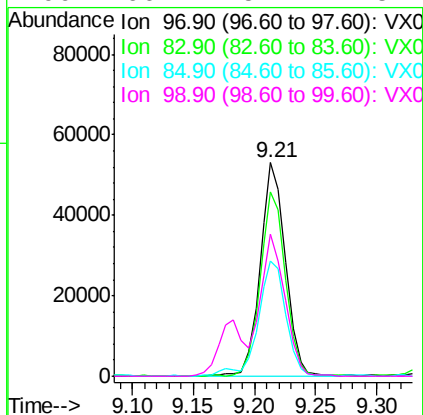
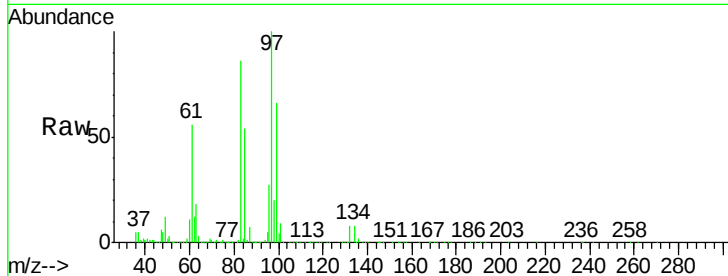
#55
 1,1,2-Trichloroethane
 Concen: 19.500 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX007664.D
 Acq: 25 Feb 2019 10:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion:	97	Resp:	76563
Ion	Ratio	Lower	Upper
97	100		
83	86.4	68.6	102.8
85	54.1	44.5	66.7
99	66.4	52.2	78.4

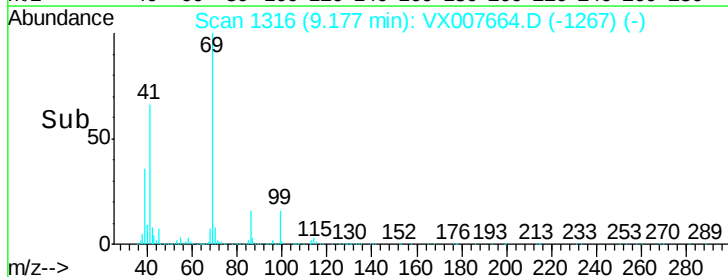
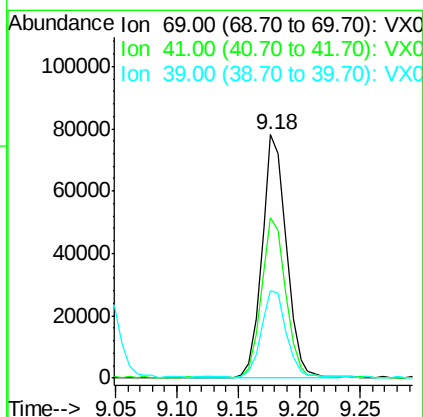
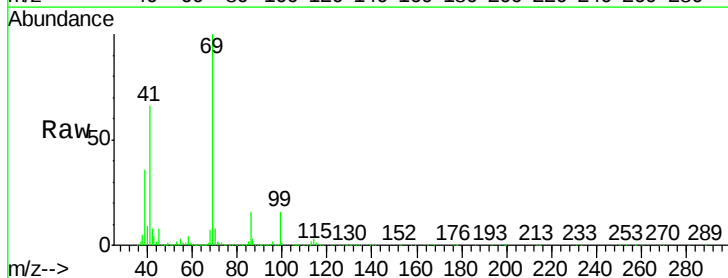
Manual Integrations
 APPROVED

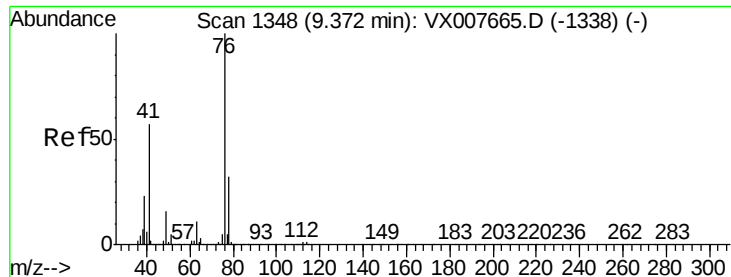
MMDadoda
 2/26/2019 2:57:29 PM



#56
 Ethyl methacrylate
 Concen: 20.091 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX007664.D
 Acq: 25 Feb 2019 10:41

Tgt Ion:	69	Resp:	109254
Ion	Ratio	Lower	Upper
69	100		
41	64.5	52.1	78.1
39	36.4	30.1	45.1





#57

1,3-Dichloropropane

Concen: 20.156 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX007664.D

Acq: 25 Feb 2019 10:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 125854

Ion Ratio Lower Upper

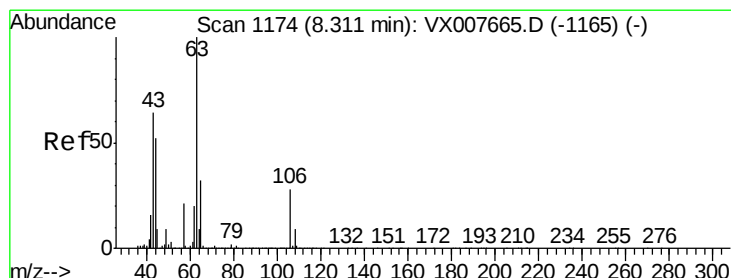
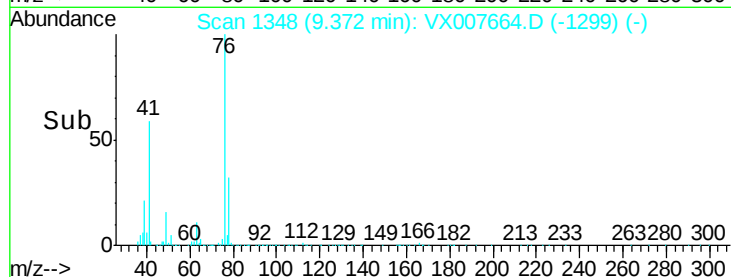
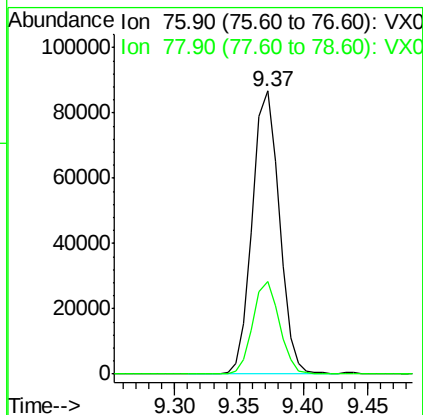
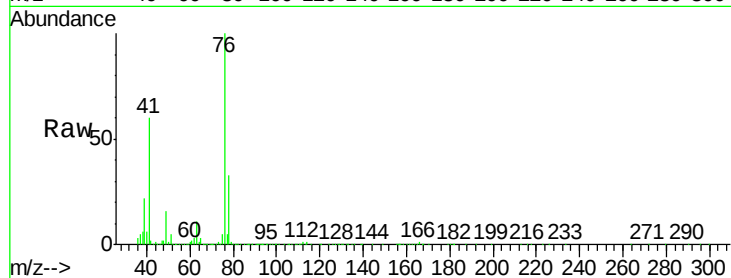
76 100

78 32.7 25.8 38.8

Manual Integrations
APPROVED

MMDadoda

2/26/2019 2:57:29 PM



#58

2-Chloroethyl Vinyl ether

Concen: 108.305 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX007664.D

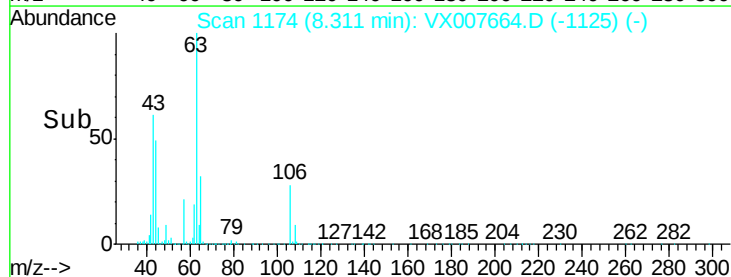
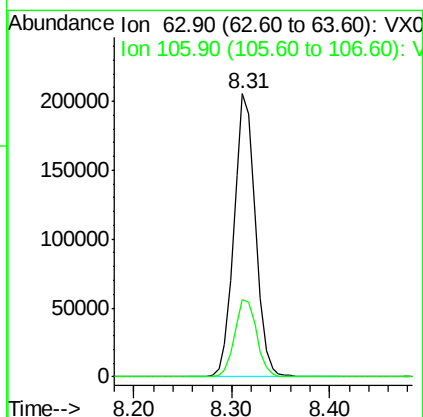
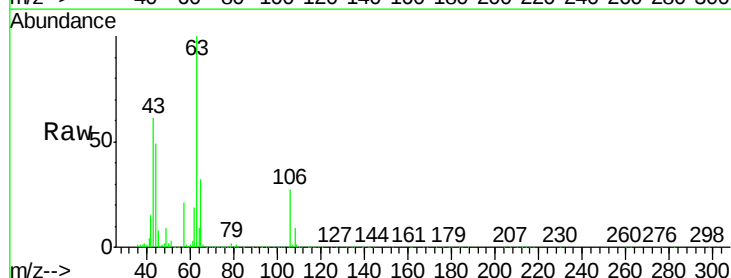
Acq: 25 Feb 2019 10:41

Tgt Ion: 63 Resp: 310433

Ion Ratio Lower Upper

63 100

106 28.4 23.6 35.4





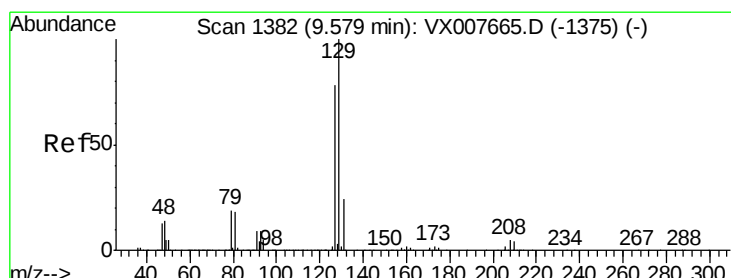
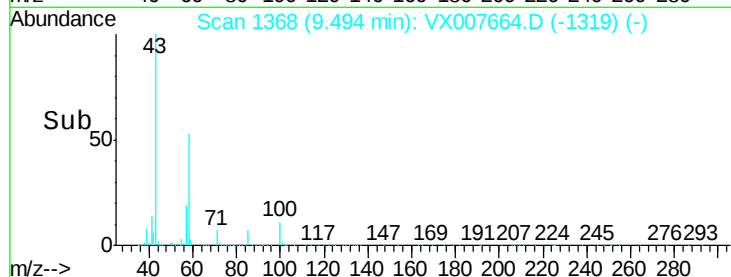
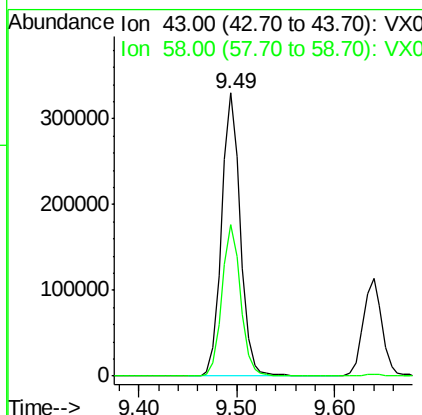
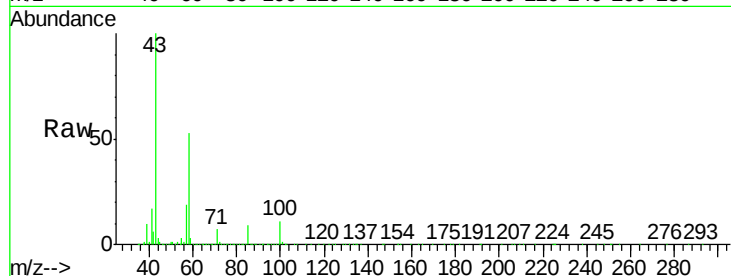
#59
2-Hexanone
Concen: 110.075 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VX007664.D
Acq: 25 Feb 2019 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.4	27.1	81.3

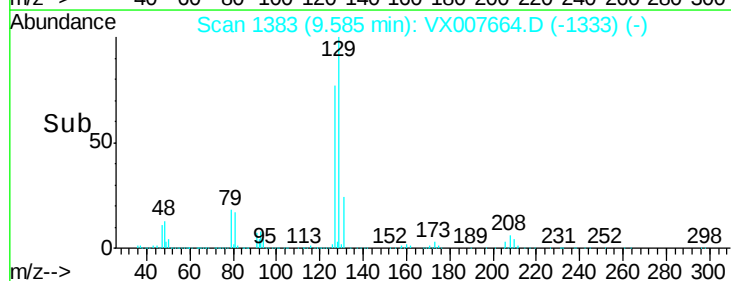
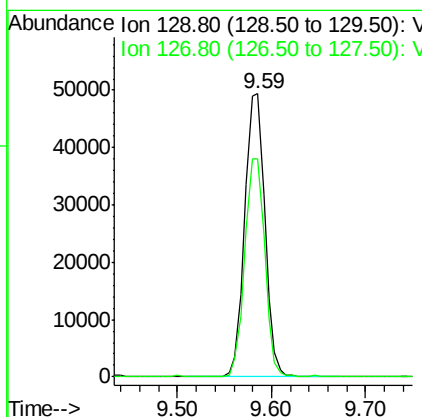
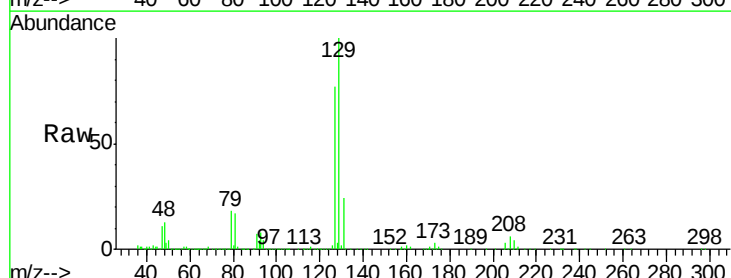
Manual Integrations
APPROVED

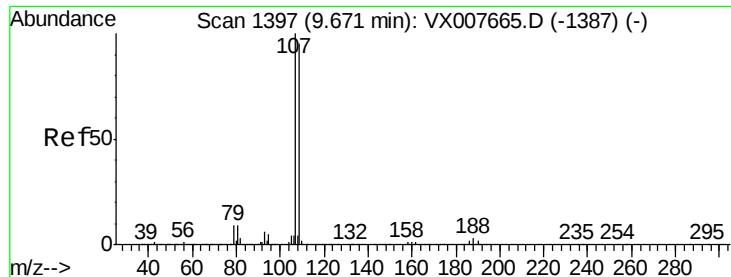
MMDadoda
2/26/2019 2:57:29 PM



#60
Dibromochloromethane
Concen: 20.058 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.01 min
Lab File: VX007664.D
Acq: 25 Feb 2019 10:41

Tgt Ion	Ratio	Lower	Upper
129	100		
127	75.7	37.8	113.4





#61

1,2-Dibromoethane

Concen: 19.387 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX007664.D

Acq: 25 Feb 2019 10:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:107 Resp: 80614

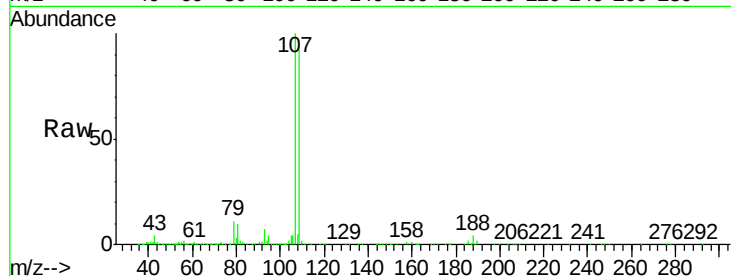
Ion Ratio Lower Upper

107 100

109 94.5 75.1 112.7

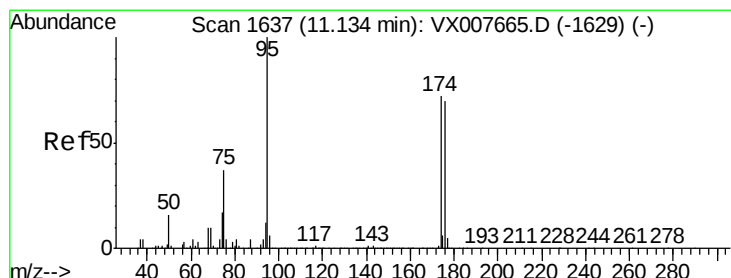
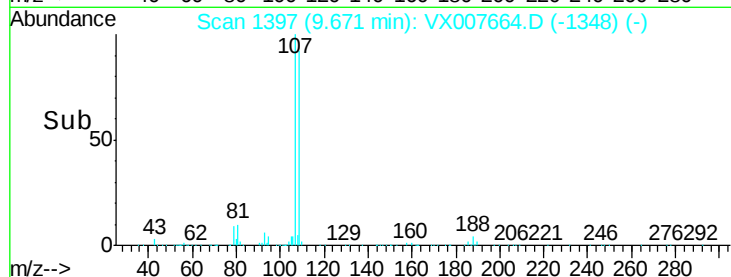
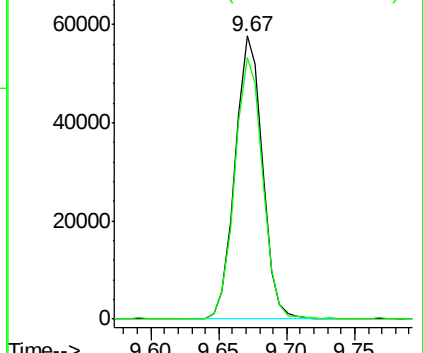
Manual Integrations
APPROVED

MMDadoda
2/26/2019 2:57:29 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 19.092 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007664.D

Acq: 25 Feb 2019 10:41

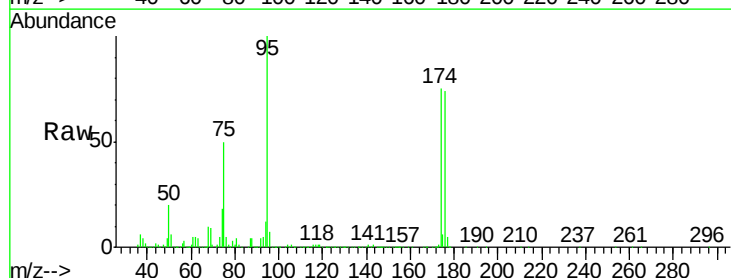
Tgt Ion: 95 Resp: 92951

Ion Ratio Lower Upper

95 100

174 83.5 0.0 189.2

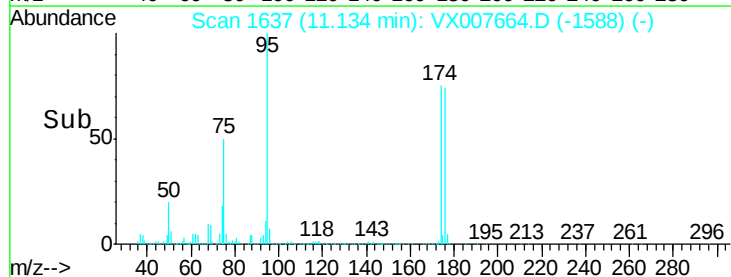
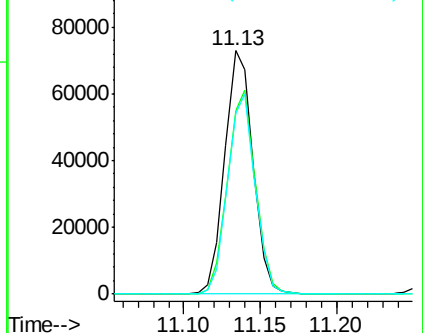
176 80.4 0.0 186.2

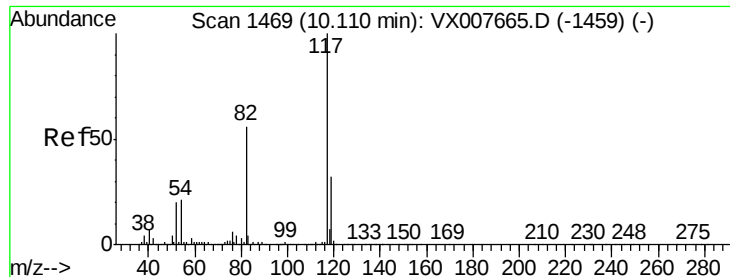


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX007664.D

Acq: 25 Feb 2019 10:41

Instrument :

MSVOA_X

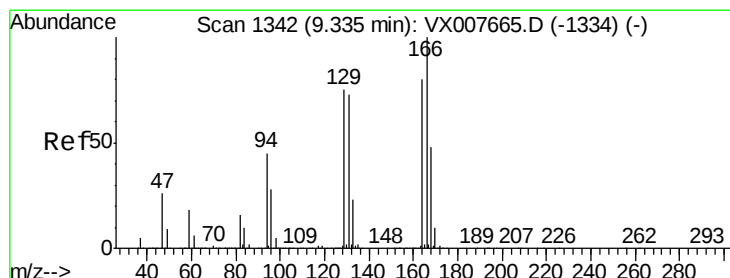
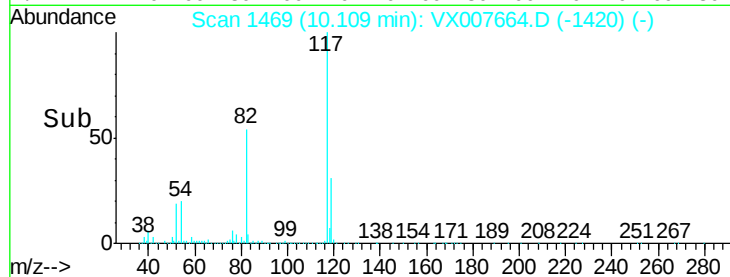
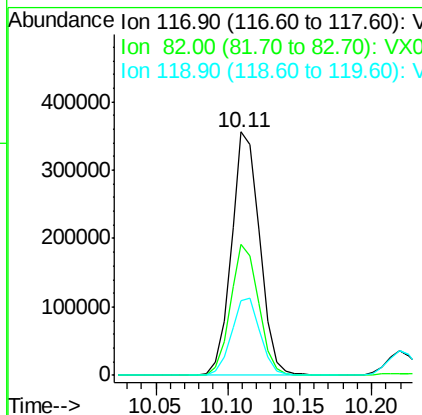
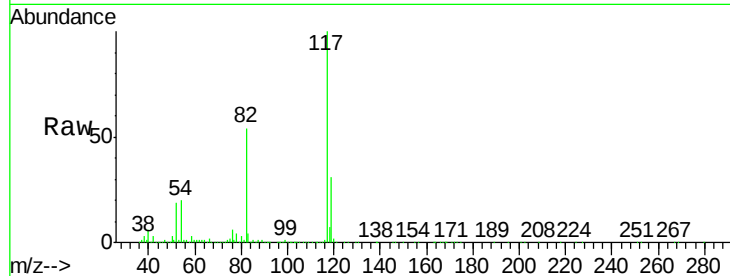
ClientSampleId :

VSTDIC020

Tot Ion:	117	Resp:	488522
Ion Ratio		Lower	Upper
117	100		
82	53.7	42.1	63.1
119	30.8	26.5	39.7

Manual Integrations
APPROVED

MMDadoda
2/26/2019 2:57:29 PM



#64

Tetrachloroethene

Concen: 16.600 ug/l

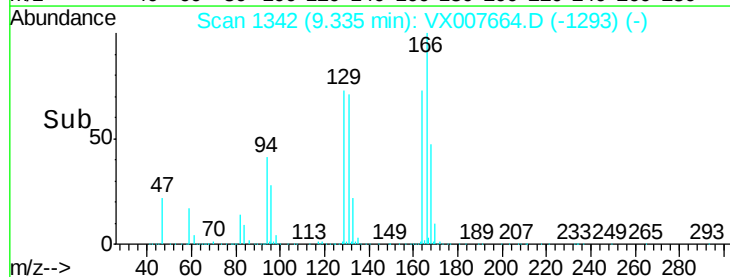
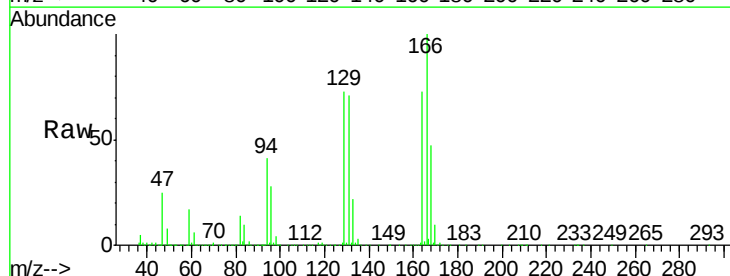
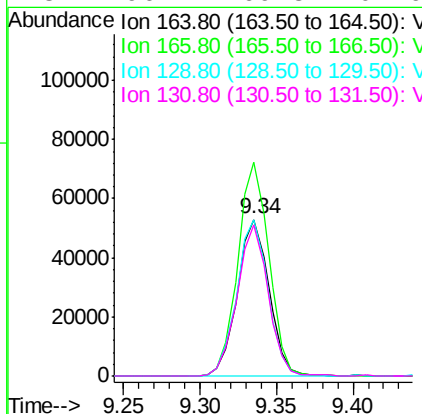
RT: 9.34 min Scan# 1342

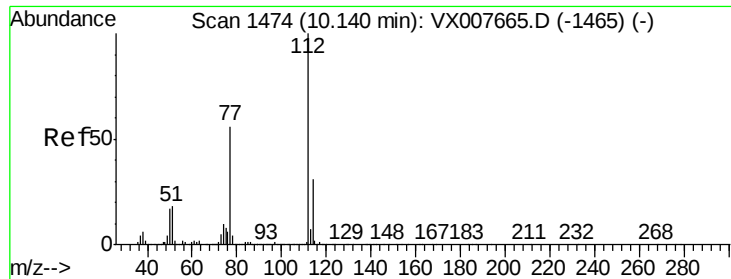
Delta R.T. -0.00 min

Lab File: VX007664.D

Acq: 25 Feb 2019 10:41

Tgt Ion:	164	Resp:	76436
Ion Ratio		Lower	Upper
164	100		
166	136.5	101.0	151.4
129	99.7	70.5	105.7
131	96.4	69.8	104.6





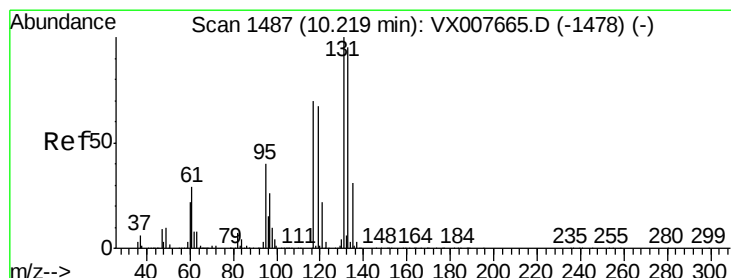
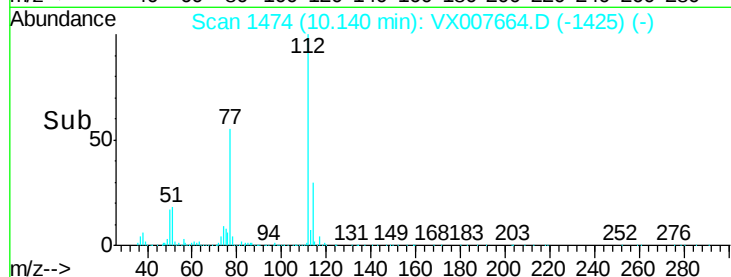
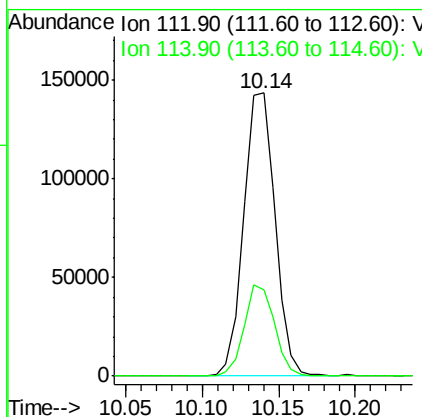
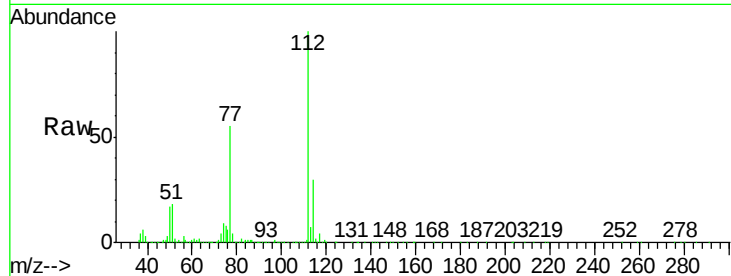
#65
Chlorobenzene
Concen: 19.234 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX007664.D
Acq: 25 Feb 2019 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
112	100		
114	30.5	25.8	38.6

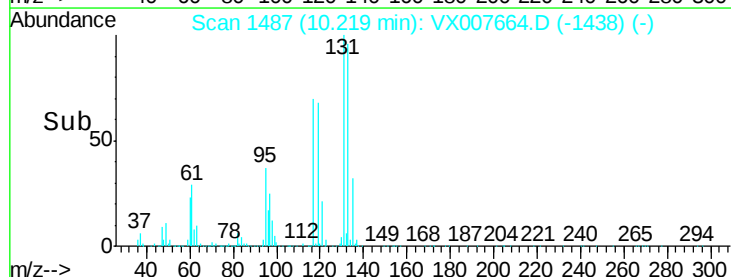
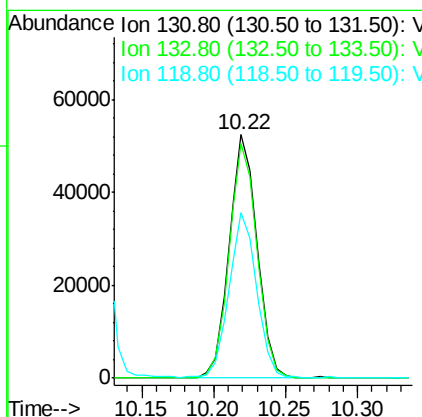
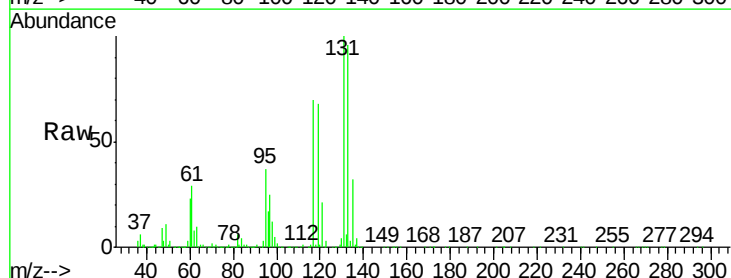
Manual Integrations
APPROVED

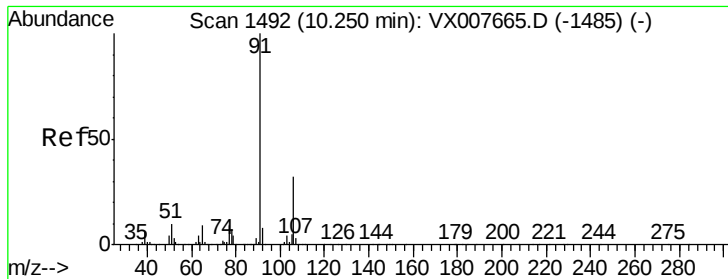
MMDadoda
2/26/2019 2:57:29 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.022 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX007664.D
Acq: 25 Feb 2019 10:41

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.1	48.0	144.2
119	66.9	32.0	96.0





#67

Ethyl Benzene

Concen: 19.633 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX007664.D

Acq: 25 Feb 2019 10:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 337048

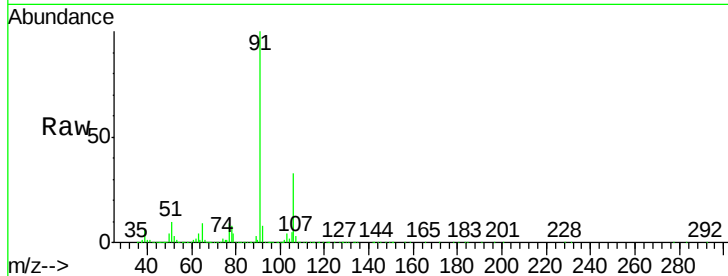
Ion Ratio Lower Upper

91 100

106 33.3 25.4 38.0

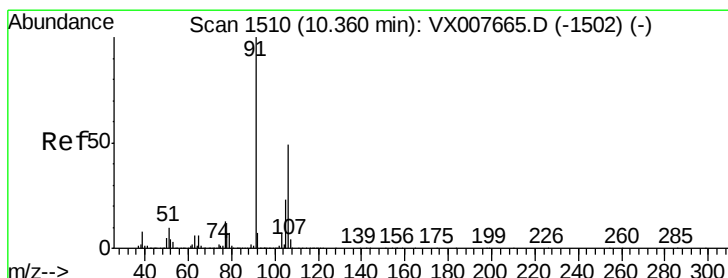
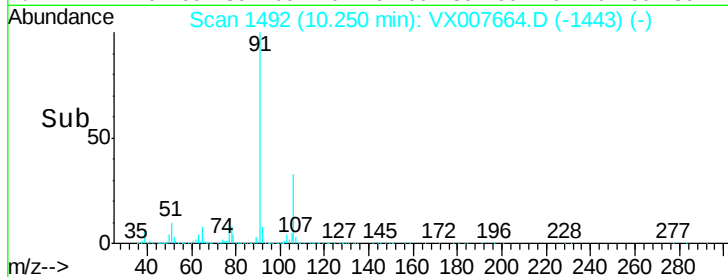
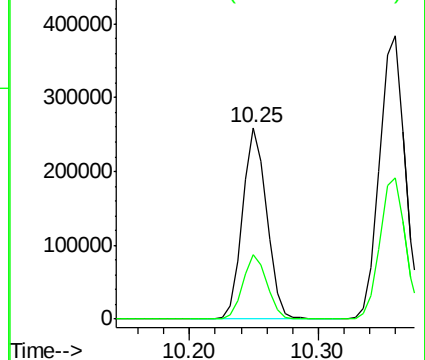
Manual Integrations
APPROVED

MMDadoda
2/26/2019 2:57:29 PM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 38.493 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX007664.D

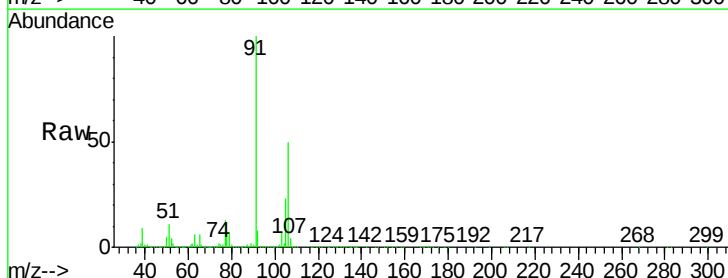
Acq: 25 Feb 2019 10:41

Tgt Ion: 106 Resp: 262685

Ion Ratio Lower Upper

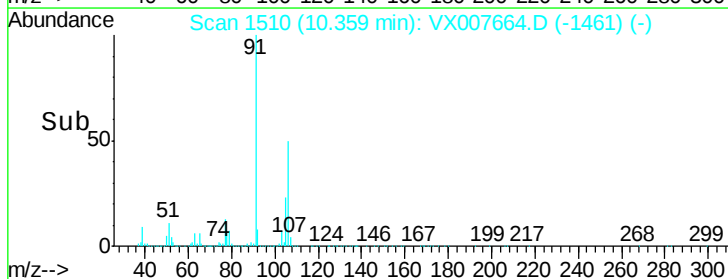
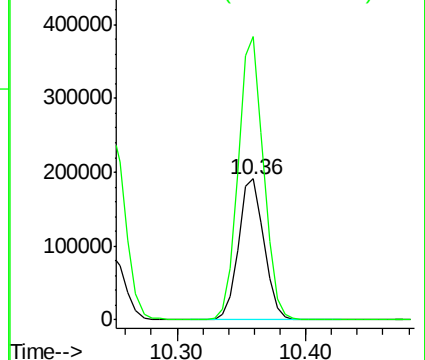
106 100

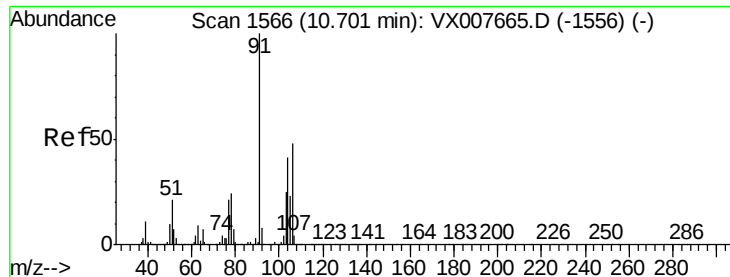
91 198.8 156.6 234.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





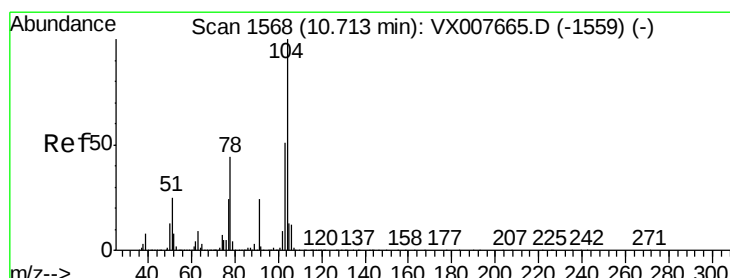
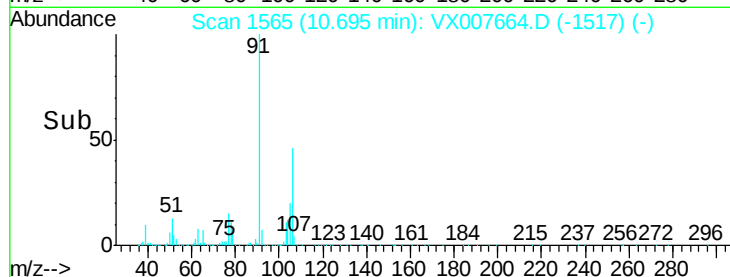
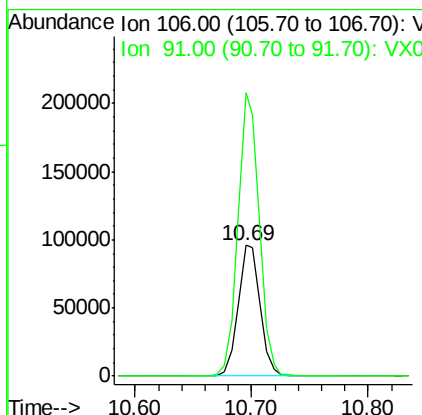
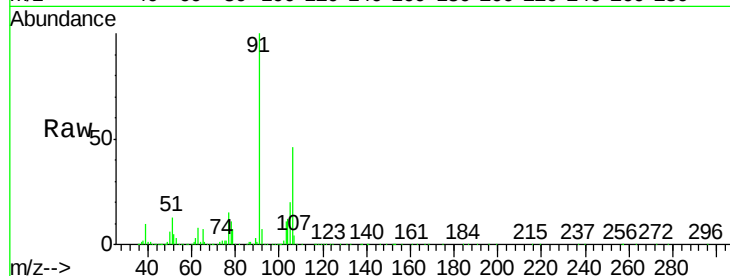
#69
o-Xylene
Concen: 19.238 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX007664.D
Acq: 25 Feb 2019 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
106	100		
91	209.6	102.9	308.7

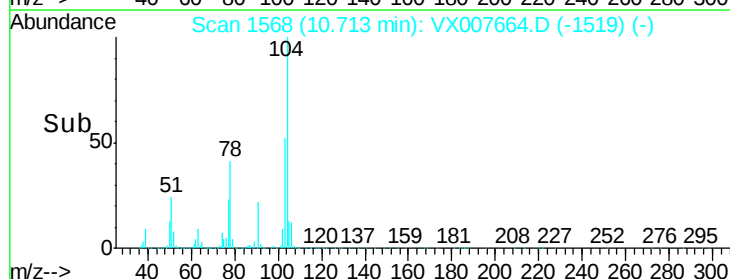
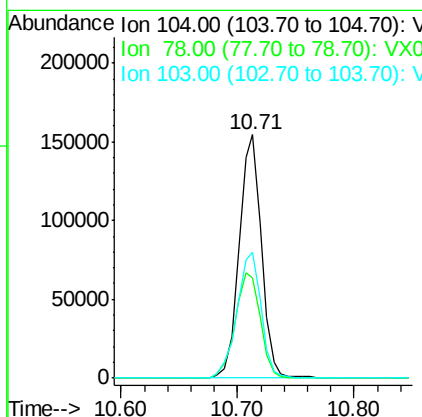
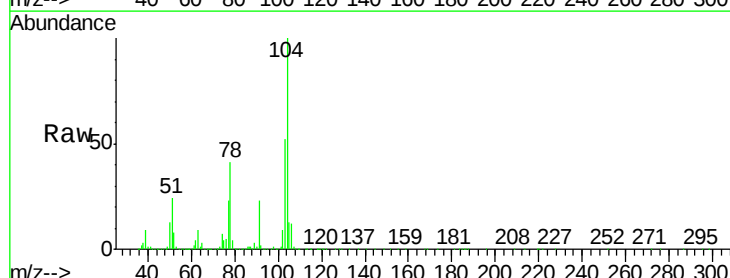
Manual Integrations
APPROVED

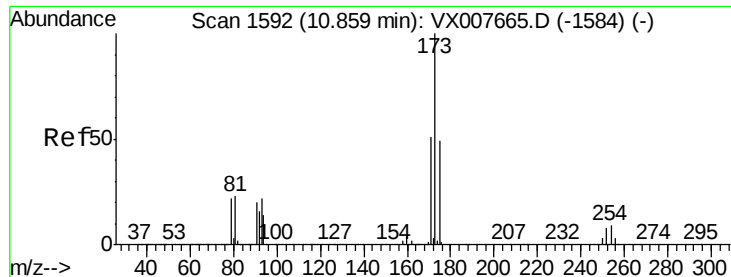
MMDadoda
2/26/2019 2:57:29 PM



#70
Styrene
Concen: 19.193 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX007664.D
Acq: 25 Feb 2019 10:41

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.6	38.3	57.5
103	56.8	44.6	67.0





#71

Bromoform

Concen: 18.721 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.01 min

Lab File: VX007664.D

Acq: 25 Feb 2019 10:41

Instrument :

MSVOA_X

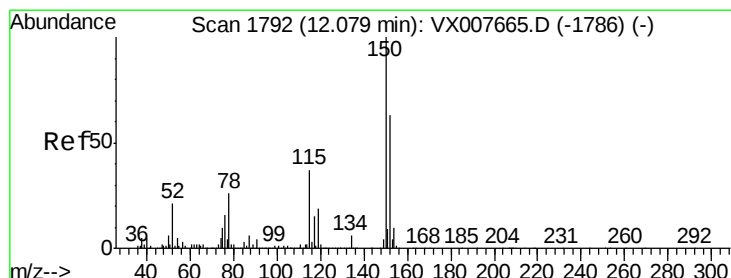
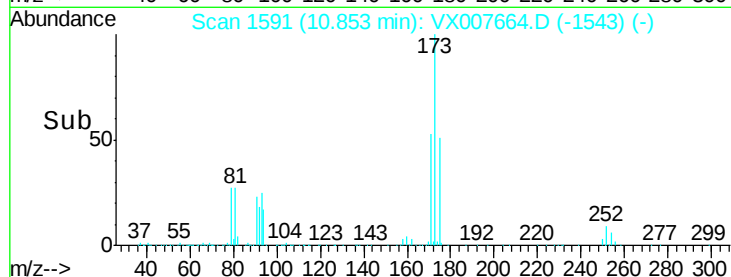
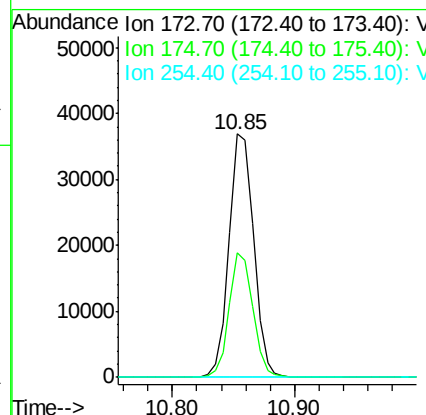
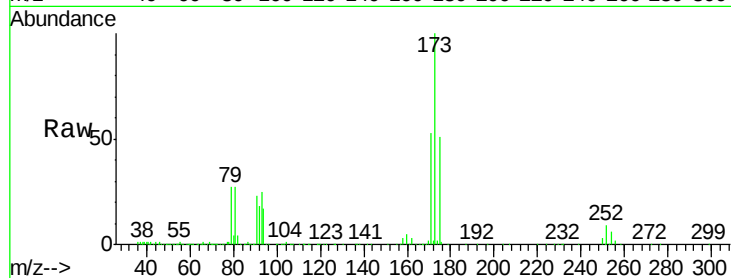
ClientSampleId :

VSTDIC020

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.2	72.6
254	0.0	0.2	0.2

Manual Integrations
APPROVED

MMDadoda
2/26/2019 2:57:29 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

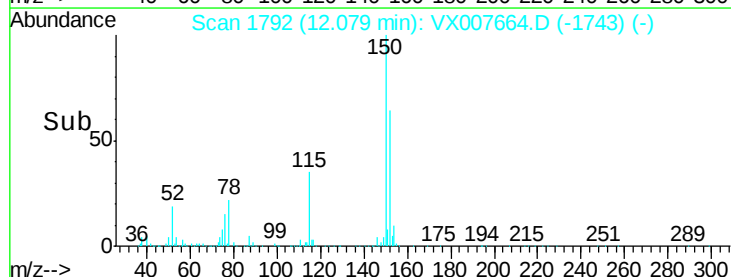
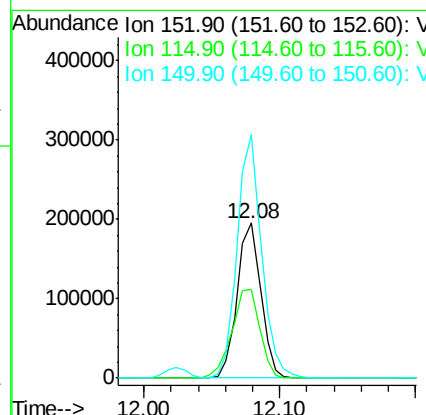
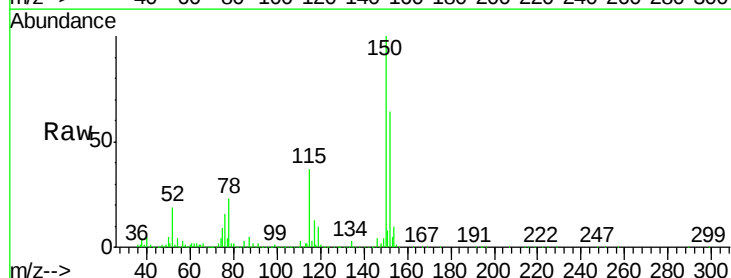
RT: 12.08 min Scan# 1792

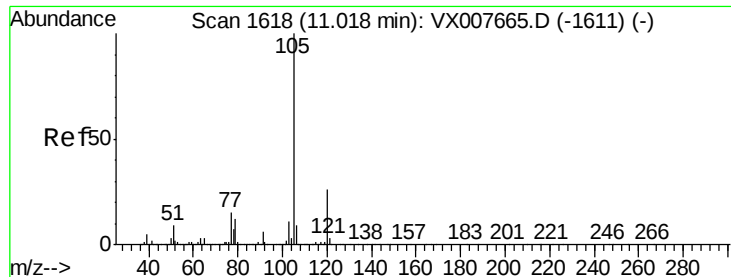
Delta R.T. -0.00 min

Lab File: VX007664.D

Acq: 25 Feb 2019 10:41

Tgt Ion	Ratio	Lower	Upper
152	100		
115	66.7	38.0	114.0
150	161.6	0.0	346.4





#73

Isopropylbenzene

Concen: 20.932 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX007664.D

Acq: 25 Feb 2019 10:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 105 Resp: 339210

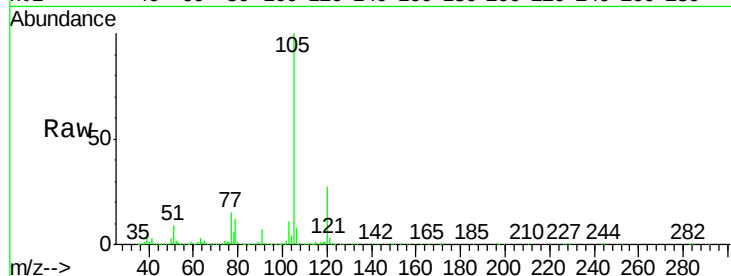
Ion Ratio Lower Upper

105 100

120 27.1 13.6 40.7

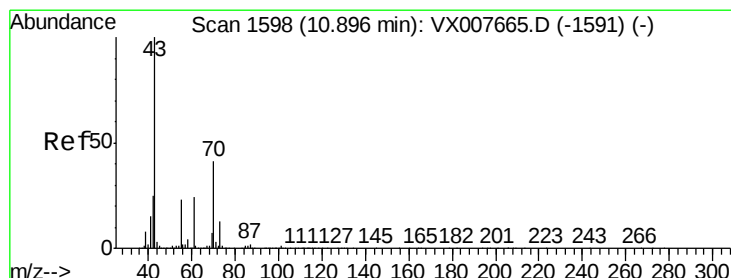
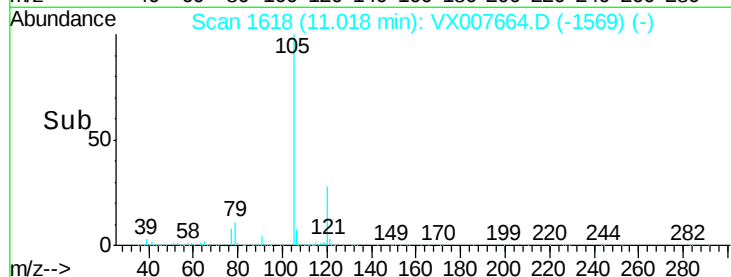
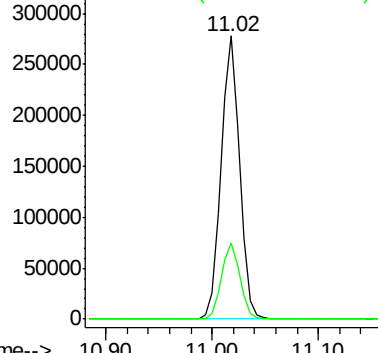
Manual Integrations
APPROVED

MMDadoda
2/26/2019 2:57:29 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 23.473 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX007664.D

Acq: 25 Feb 2019 10:41

Tgt Ion: 43 Resp: 147132

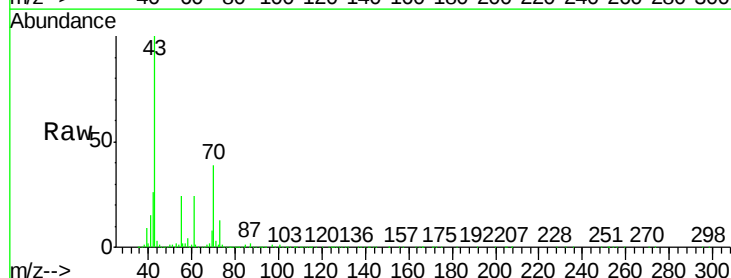
Ion Ratio Lower Upper

43 100

70 40.8 33.8 50.6

55 25.6 19.5 29.3

61 24.4 19.4 29.2

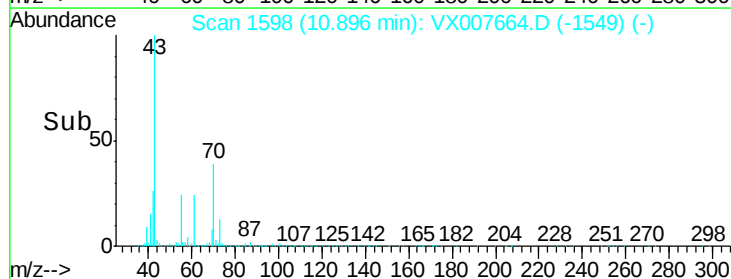
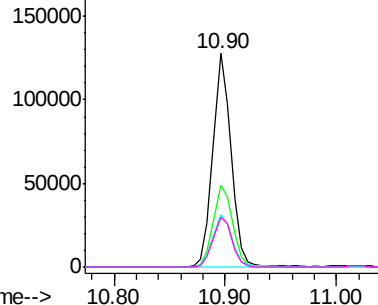


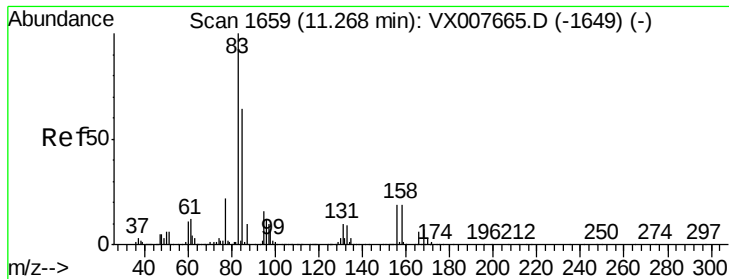
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 23.444 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX007664.D

Acq: 25 Feb 2019 10:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 83 Resp: 115782

Ion Ratio Lower Upper

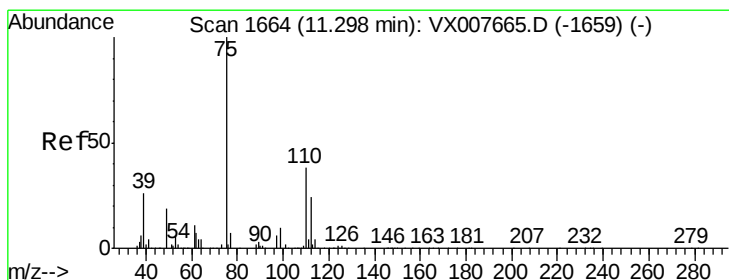
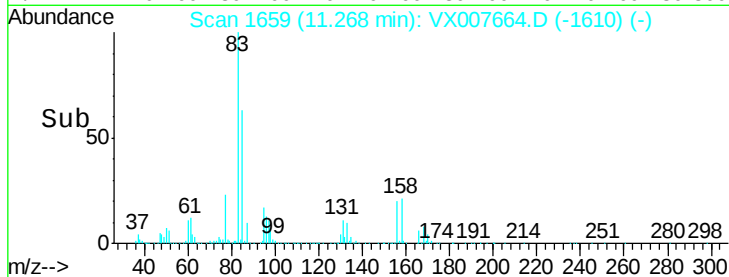
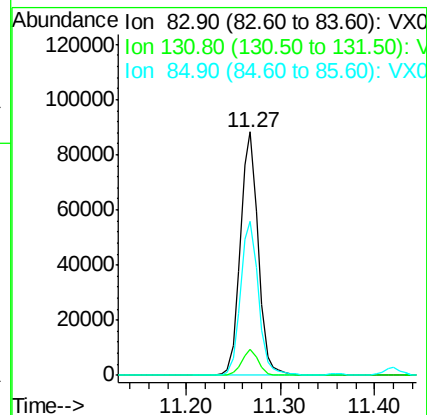
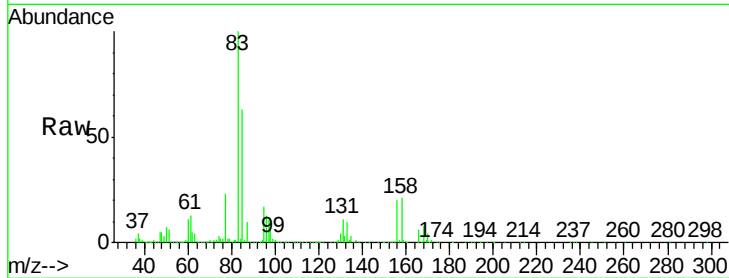
83 100

131 10.3 5.7 17.0

85 64.3 32.8 98.3

Manual Integrations
APPROVED

MMDadoda
2/26/2019 2:57:29 PM



#76

1,2,3-Trichloropropane

Concen: 20.597 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. -0.01 min

Lab File: VX007664.D

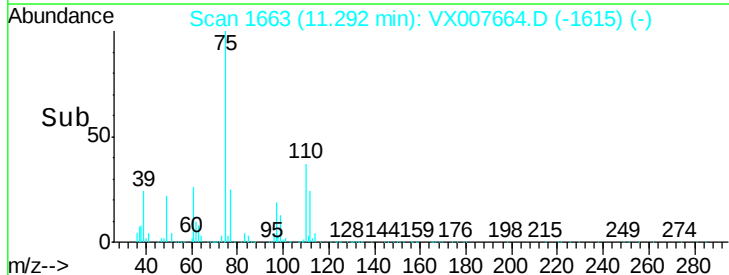
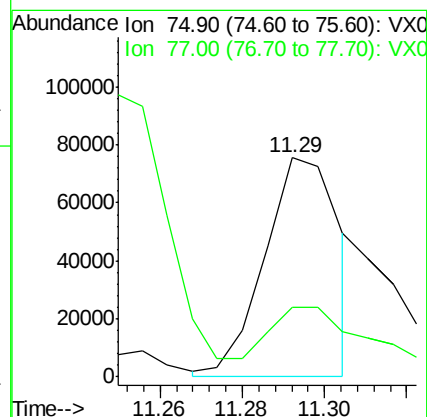
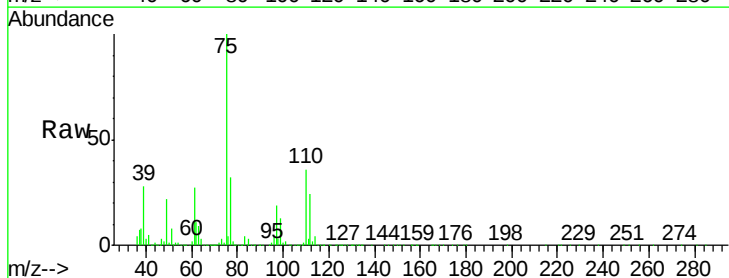
Acq: 25 Feb 2019 10:41

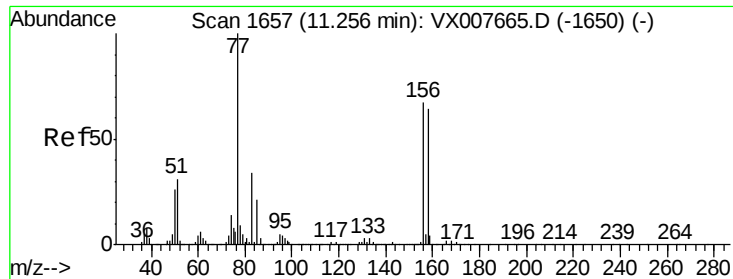
Tgt Ion: 75 Resp: 95539

Ion Ratio Lower Upper

75 100

77 43.0 23.0 69.0





#77

Bromobenzene

Concen: 18.520 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX007664.D

Acq: 25 Feb 2019 10:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:156 Resp: 84562

Ion Ratio Lower Upper

156 100

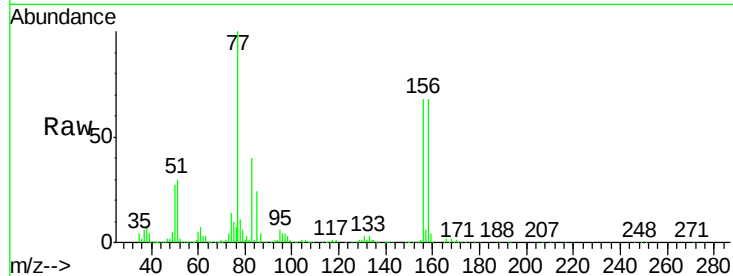
77 157.1 66.8 200.6

158 98.0 47.9 143.8

Manual Integrations
APPROVED

MMDadoda

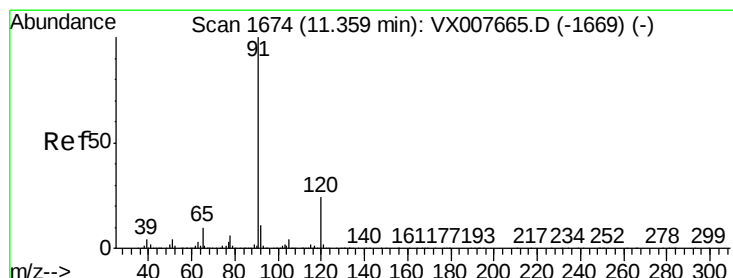
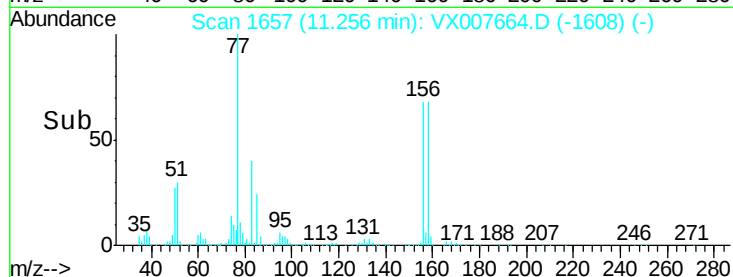
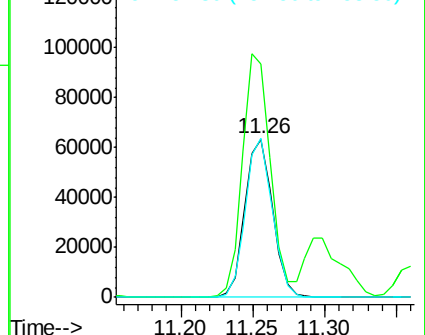
2/26/2019 2:57:29 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.554 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX007664.D

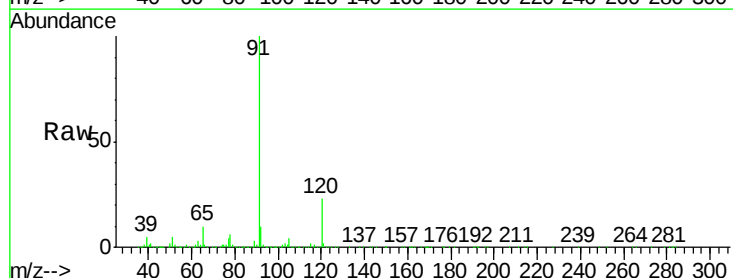
Acq: 25 Feb 2019 10:41

Tgt Ion: 91 Resp: 383021

Ion Ratio Lower Upper

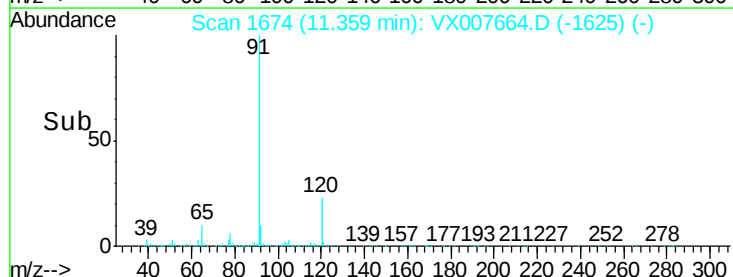
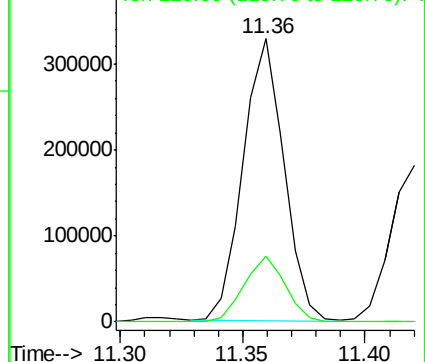
91 100

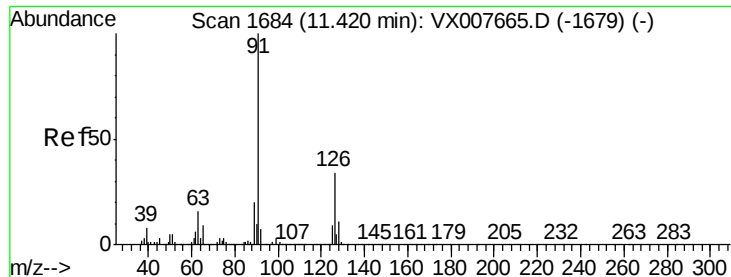
120 23.5 12.4 37.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.979 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX007664.D

Acq: 25 Feb 2019 10:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 226202

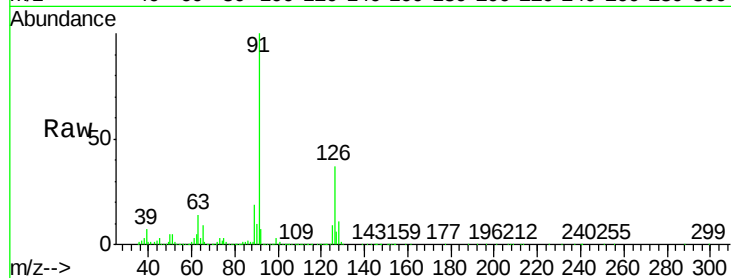
Ion Ratio Lower Upper

91 100

126 36.0 18.7 56.1

Manual Integrations
APPROVED

MMDadoda
2/26/2019 2:57:29 PM



Abundance Ion 91.00 (90.70 to 91.70): VX007664.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX007664.D (-1679) (-)

300000

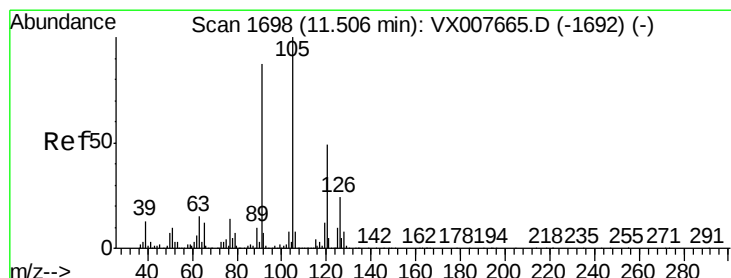
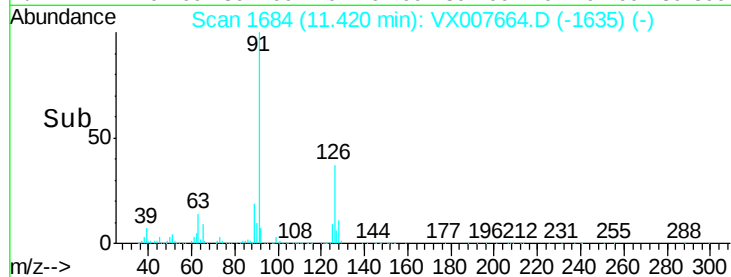
200000

100000

0

11.40 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.849 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX007664.D

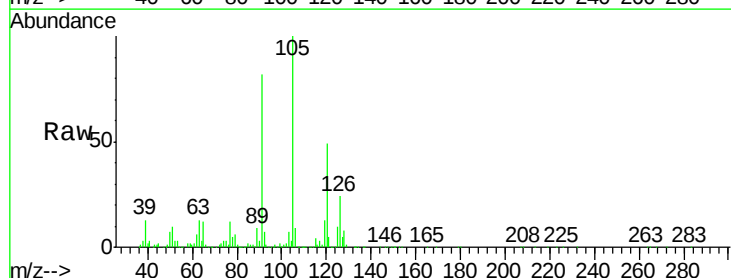
Acq: 25 Feb 2019 10:41

Tgt Ion: 105 Resp: 276415

Ion Ratio Lower Upper

105 100

120 49.7 25.3 75.8



Abundance Ion 105.00 (104.70 to 105.70): VX007664.D (-1649) (-)

Ion 120.00 (119.70 to 120.70): VX007664.D (-1649) (-)

250000

200000

150000

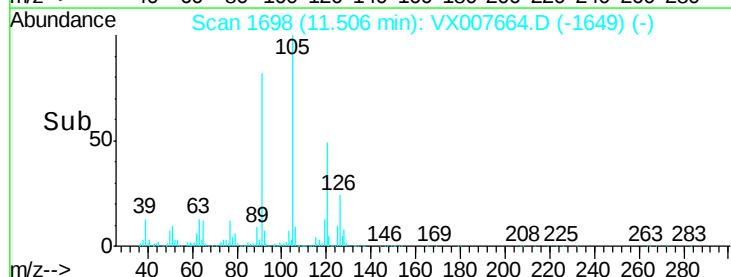
100000

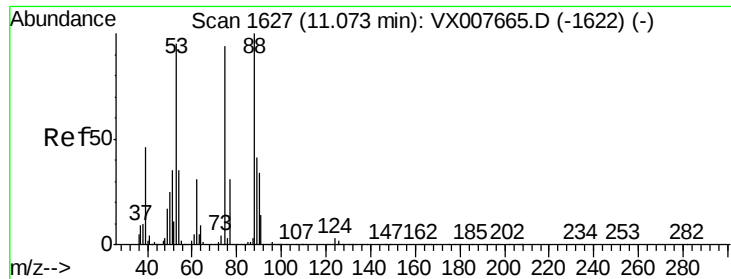
50000

0

11.45 11.50 11.55

Time-->





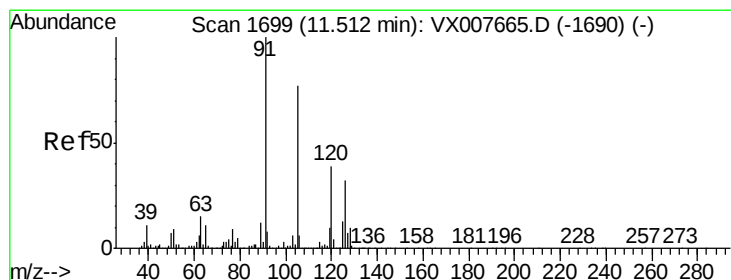
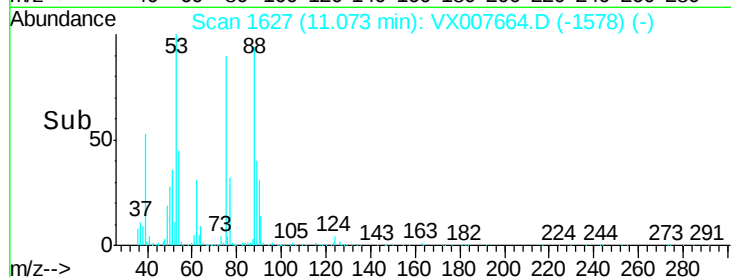
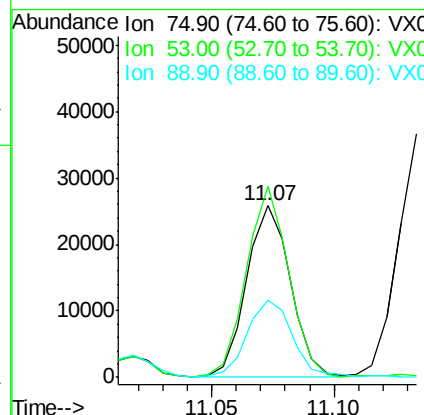
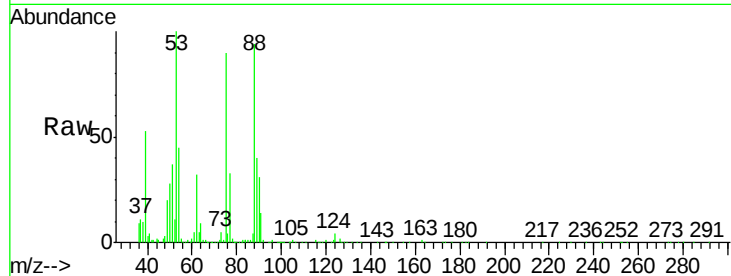
#81
trans-1,4-Dichloro-2-butene
Concen: 24.083 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX007664.D
Acq: 25 Feb 2019 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	106.8	81.0	121.6
89	45.7	41.4	62.0

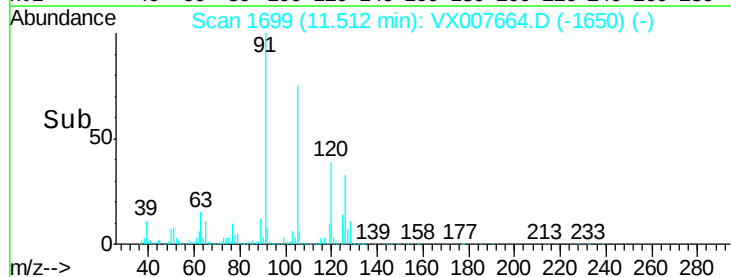
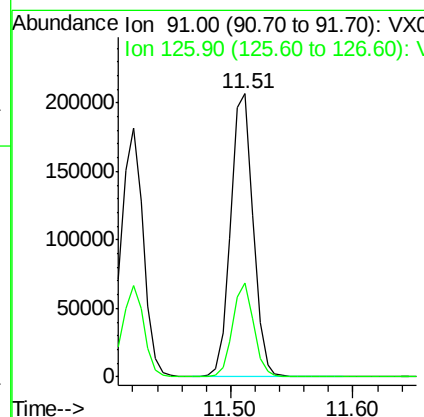
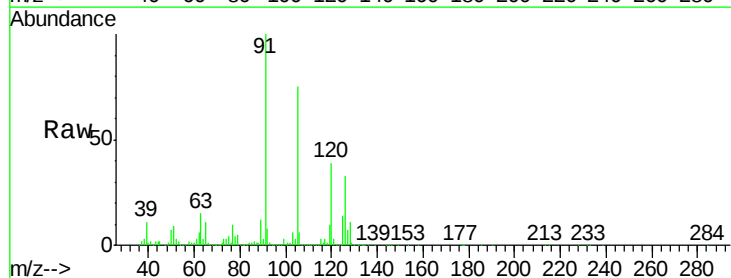
Manual Integrations
APPROVED

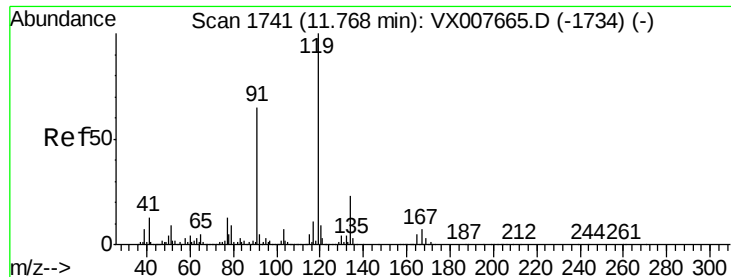
MMDadoda
2/26/2019 2:57:29 PM



#82
4-Chlorotoluene
Concen: 20.946 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX007664.D
Acq: 25 Feb 2019 10:41

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.1	16.2	48.5





#83

tert-Butylbenzene

Concen: 20.114 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX007664.D

Acq: 25 Feb 2019 10:41

Instrument :

MSVOA_X

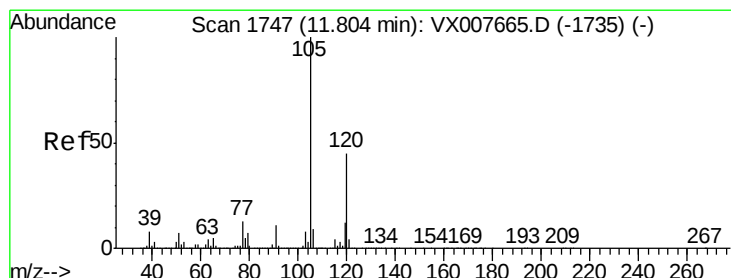
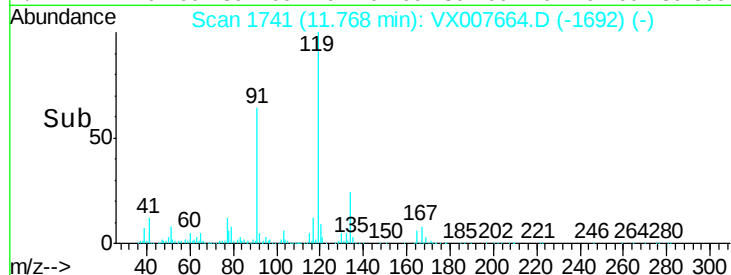
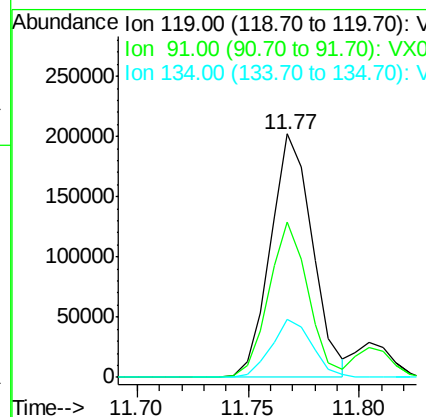
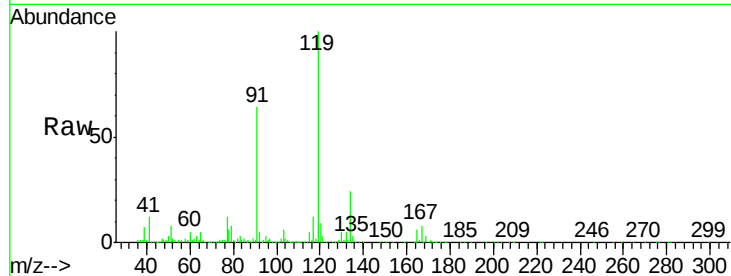
ClientSampled :

VSTDIC020

Tot Ion:	119	Resp:	264018
Ion Ratio	Lower	Upper	
119	100		
91	60.0	28.5	85.6
134	23.3	12.0	36.0

Manual Integrations
APPROVED

MMDadoda
2/26/2019 2:57:29 PM



#84

1,2,4-Trimethylbenzene

Concen: 21.317 ug/l

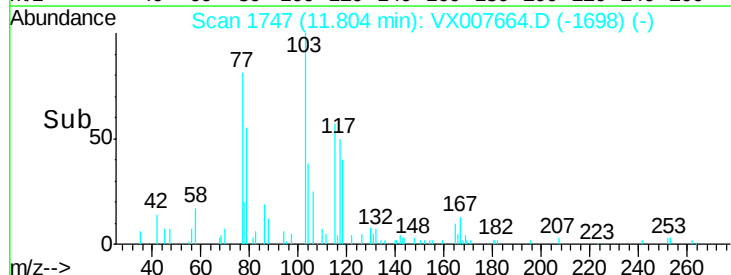
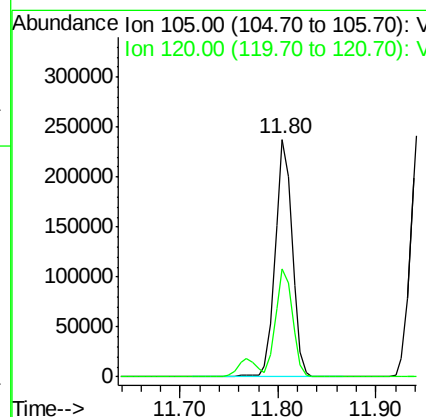
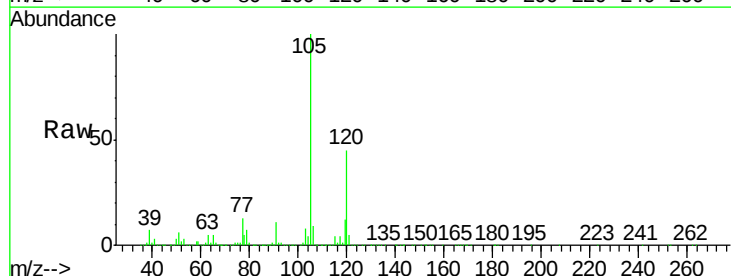
RT: 11.80 min Scan# 1747

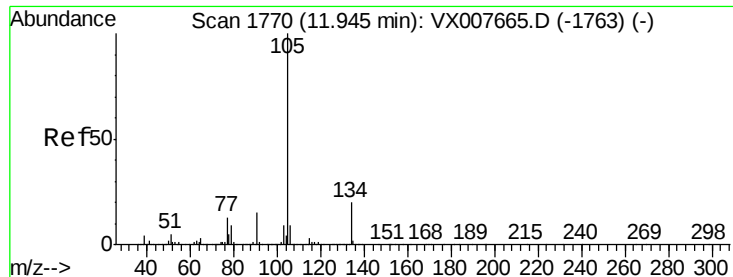
Delta R.T. -0.00 min

Lab File: VX007664.D

Acq: 25 Feb 2019 10:41

Tgt Ion:	105	Resp:	286923
Ion Ratio	Lower	Upper	
105	100		
120	44.4	23.1	69.3





#85

sec-Butylbenzene

Concen: 20.995 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX007664.D

Acq: 25 Feb 2019 10:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 333537

Ion Ratio Lower Upper

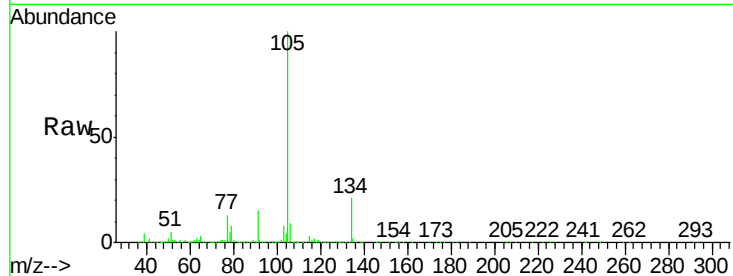
105 100

134 20.8 10.6 31.8

Manual Integrations
APPROVED

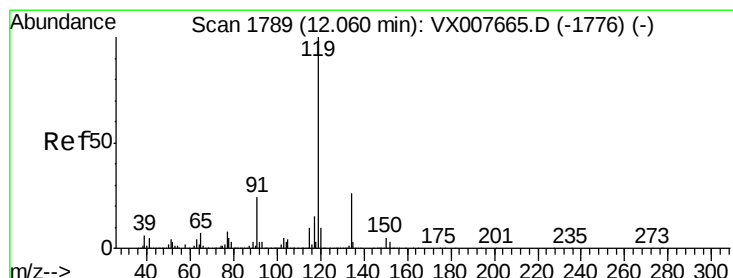
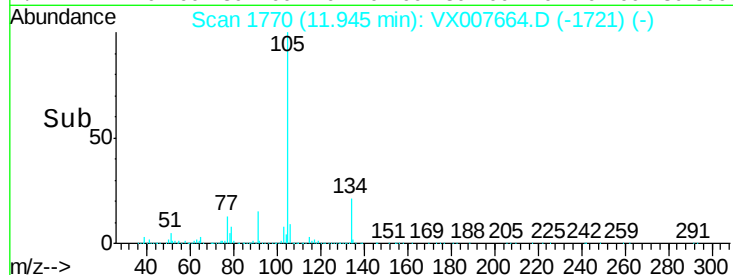
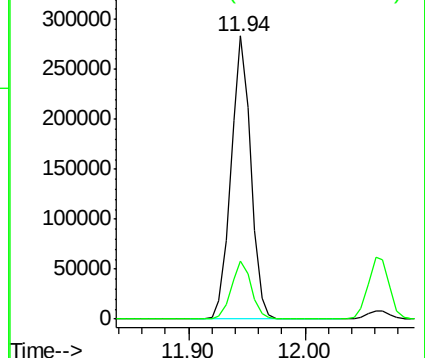
MMDadoda

2/26/2019 2:57:29 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.306 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX007664.D

Acq: 25 Feb 2019 10:41

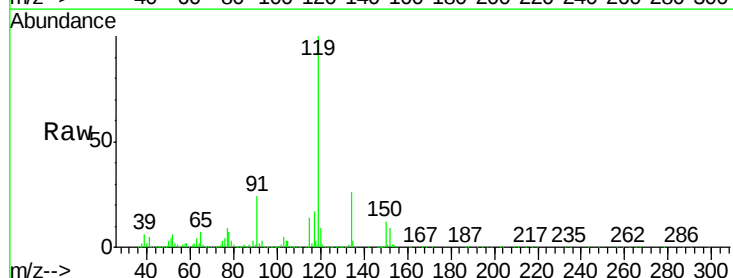
Tgt Ion:119 Resp: 291210

Ion Ratio Lower Upper

119 100

134 26.5 13.7 41.1

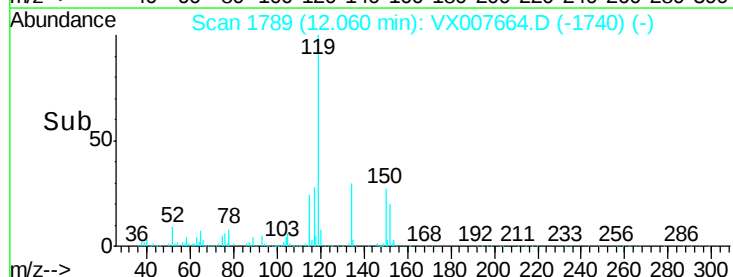
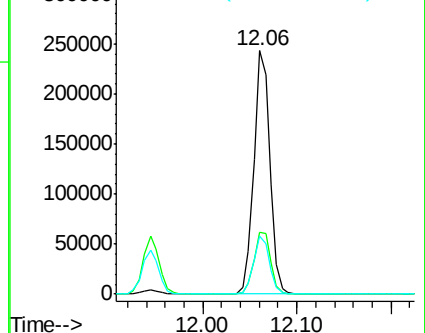
91 23.7 11.2 33.5

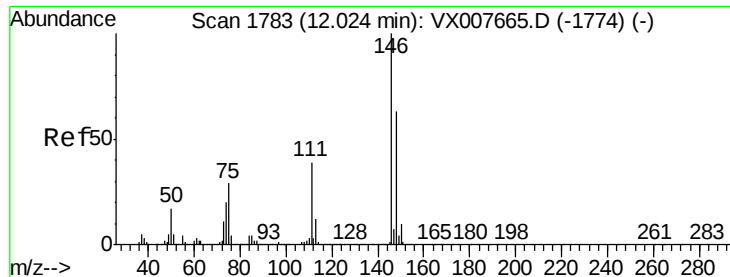


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





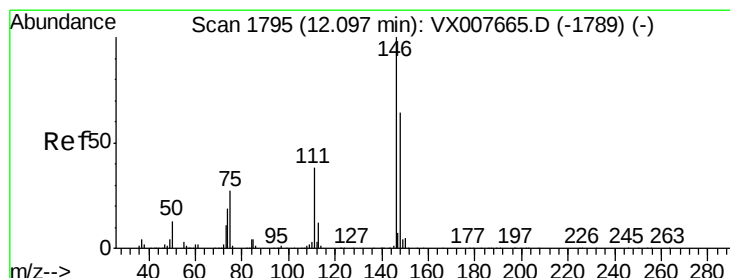
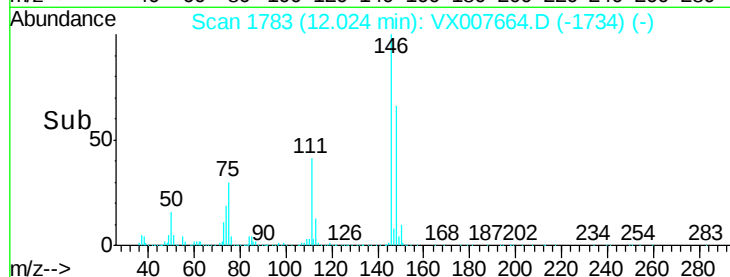
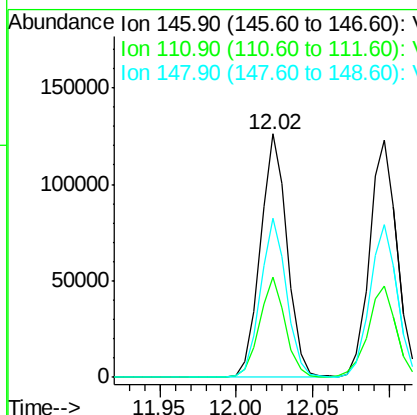
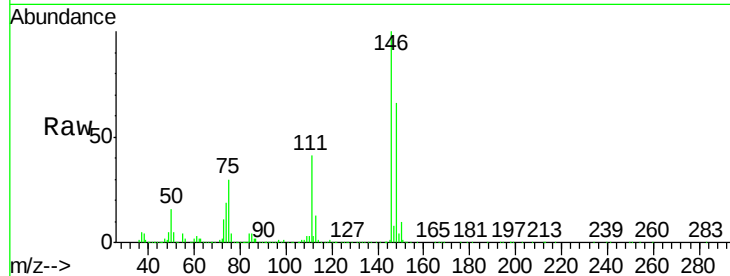
#87
 1,3-Dichlorobenzene
 Concen: 18.759 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX007664.D
 Acq: 25 Feb 2019 10:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
146	100	153716		
111	39.4	18.1	54.1	
148	64.0	32.0	96.2	

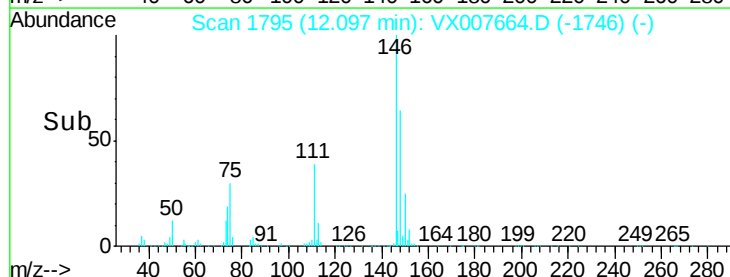
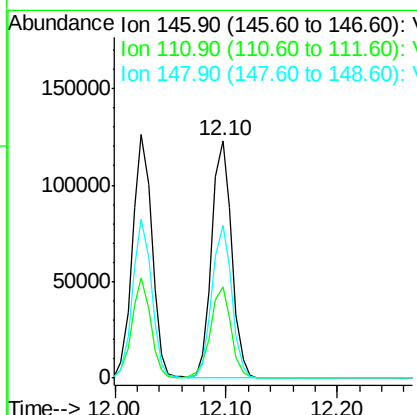
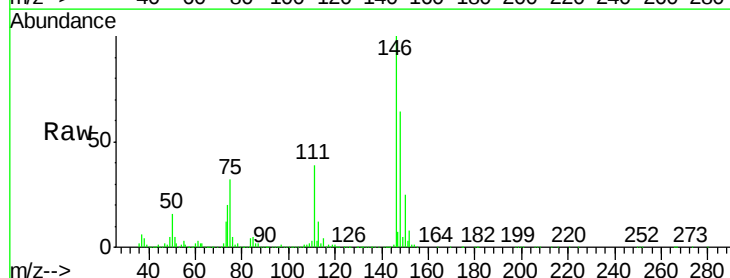
Manual Integrations
 APPROVED

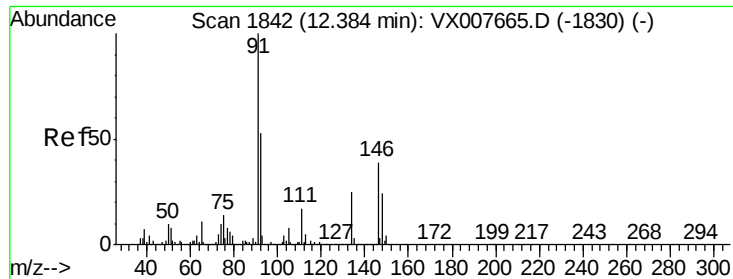
MMDadoda
 2/26/2019 2:57:29 PM



#88
 1,4-Dichlorobenzene
 Concen: 18.516 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX007664.D
 Acq: 25 Feb 2019 10:41

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	153929		
111	39.5	18.1	54.1	
148	63.6	32.3	96.9	





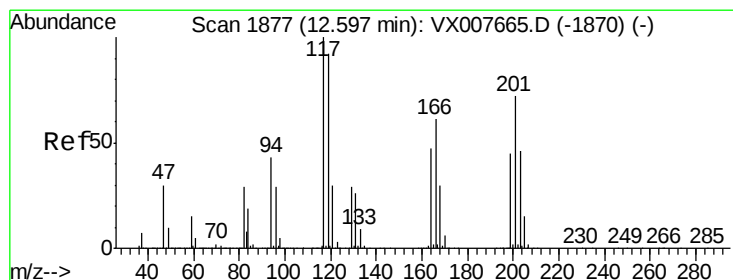
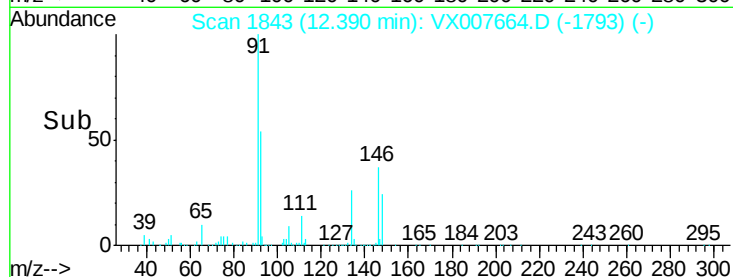
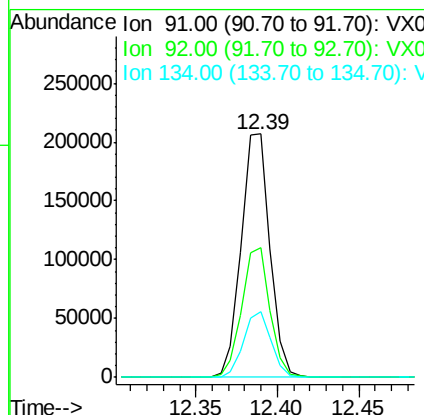
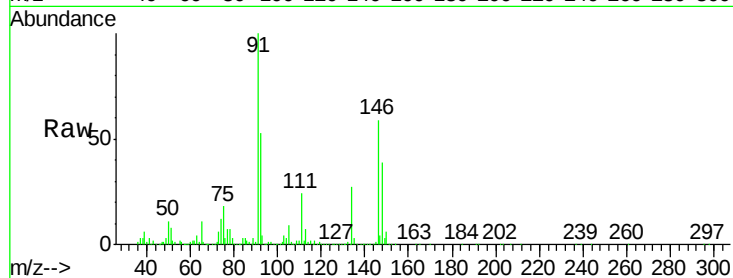
#89
n-Butylbenzene
Concen: 20.620 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.01 min
Lab File: VX007664.D
Acq: 25 Feb 2019 10:41

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
91	100	254381		
92	52.7	26.3	78.9	
134	25.9	13.9	41.6	

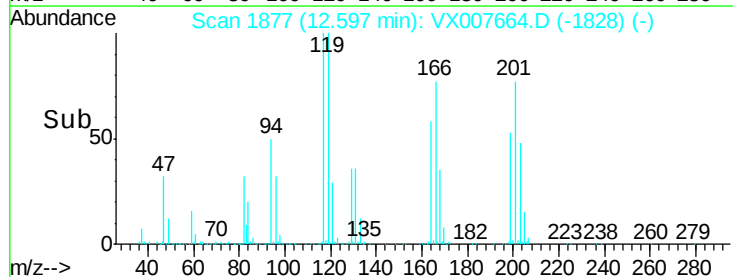
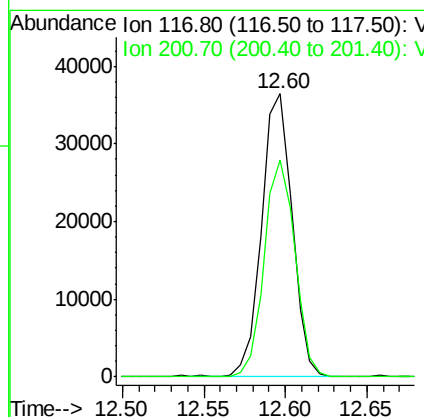
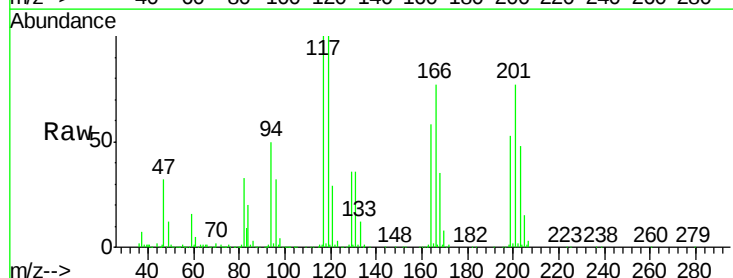
Manual Integrations
APPROVED

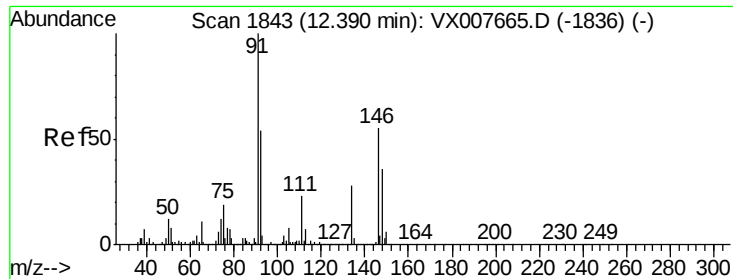
MMDadoda
2/26/2019 2:57:29 PM



#90
Hexachloroethane
Concen: 22.202 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX007664.D
Acq: 25 Feb 2019 10:41

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	47653		
201	76.7	44.9	134.7	





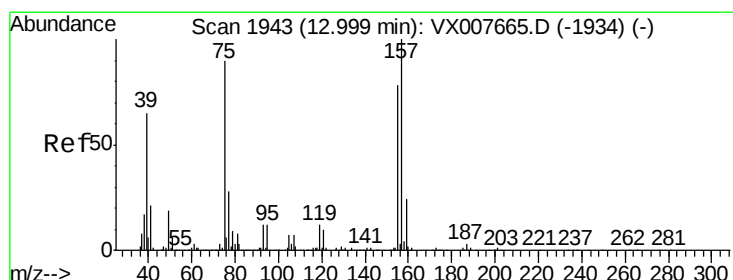
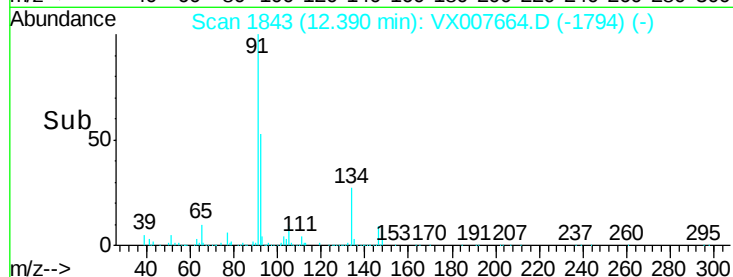
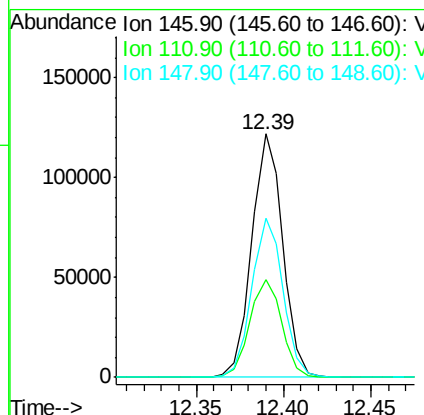
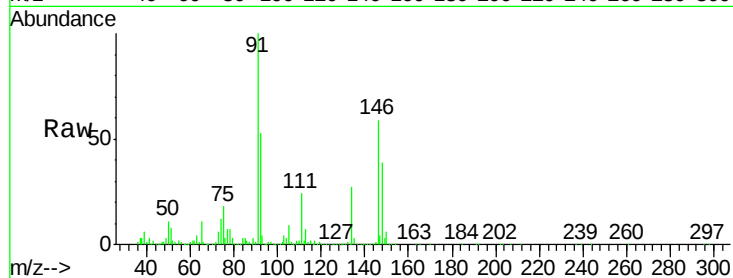
#91
 1,2-Dichlorobenzene
 Concen: 18.501 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX007664.D
 Acq: 25 Feb 2019 10:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
146	100	150870		
111	41.5	19.1	57.3	
148	66.1	32.1	96.3	

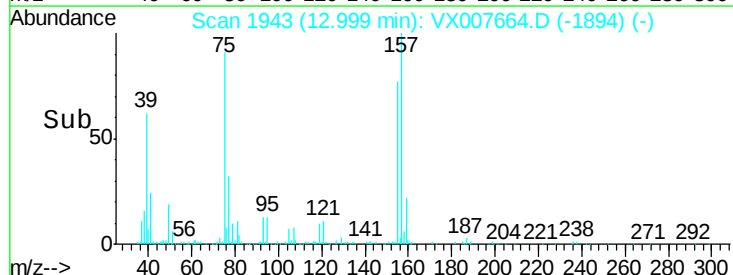
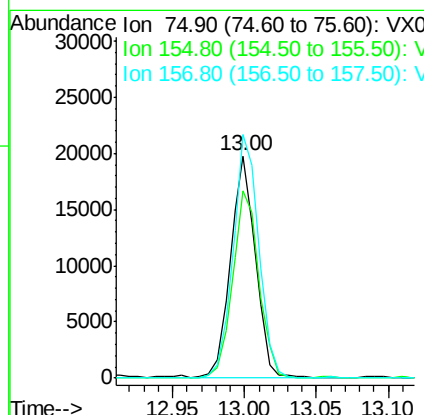
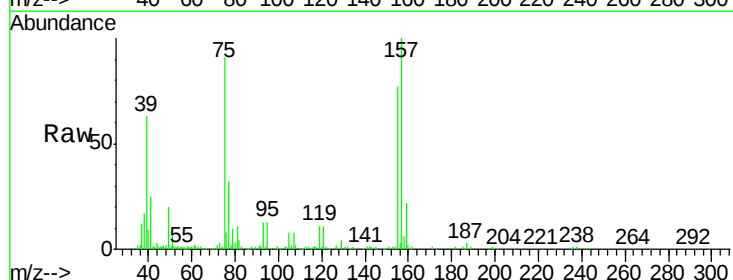
Manual Integrations
 APPROVED

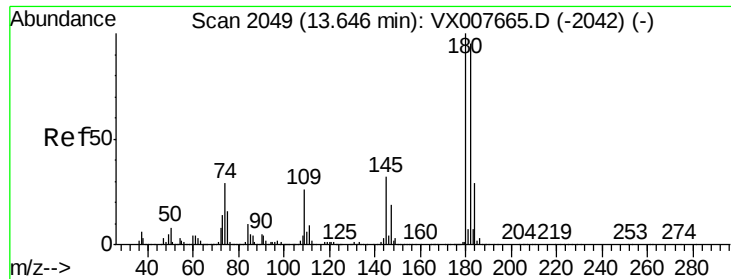
MMDadoda
 2/26/2019 2:57:29 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.684 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX007664.D
 Acq: 25 Feb 2019 10:41

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	24321		
155	87.5	49.6	149.0	
157	111.7	65.1	195.3	





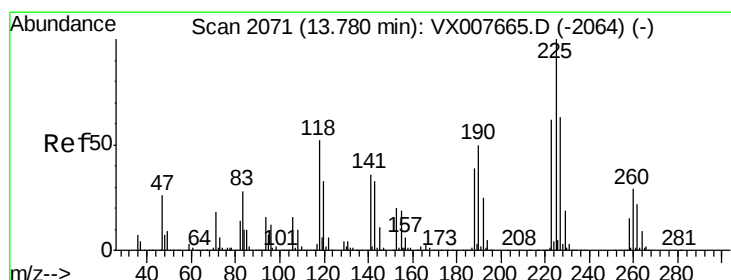
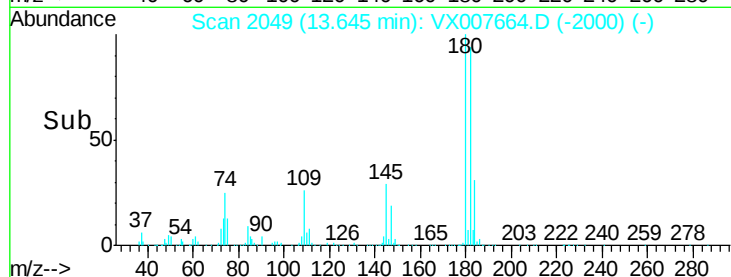
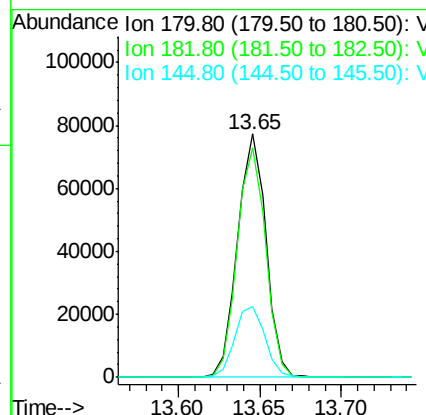
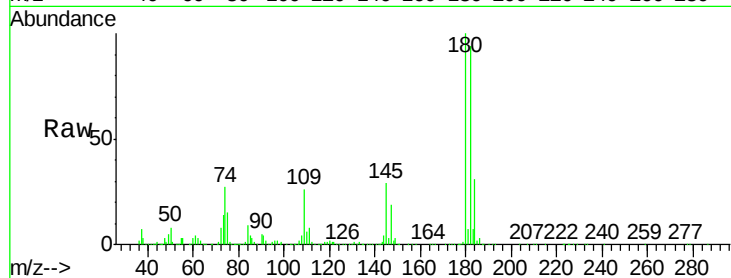
#93
 1,2,4-Trichlorobenzene
 Concen: 17.105 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX007664.D
 Acq: 25 Feb 2019 10:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.8	143.3
145	30.8	14.1	42.2

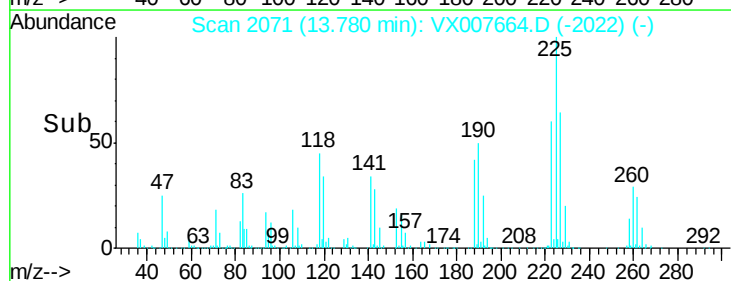
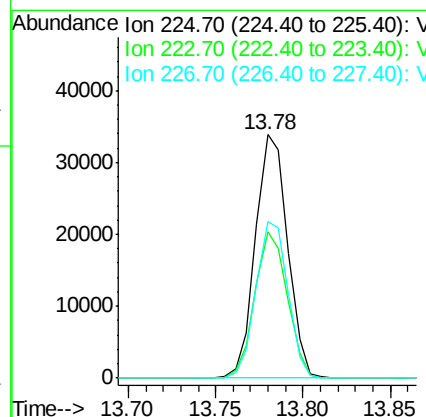
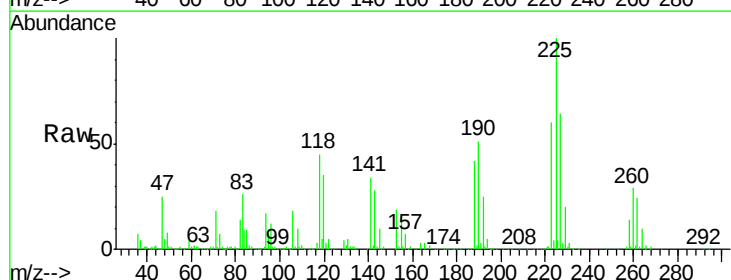
Manual Integrations
 APPROVED

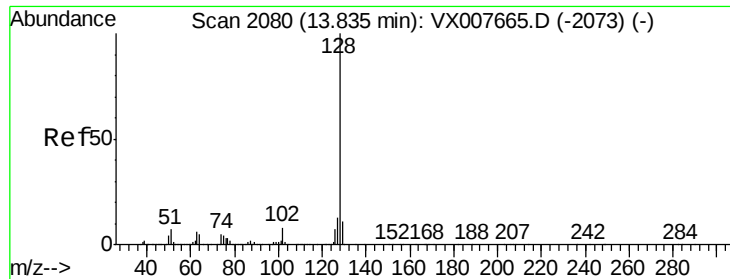
MMDadoda
 2/26/2019 2:57:29 PM



#94
 Hexachlorobutadiene
 Concen: 16.241 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX007664.D
 Acq: 25 Feb 2019 10:41

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.8	31.6	94.8
227	63.9	32.1	96.3





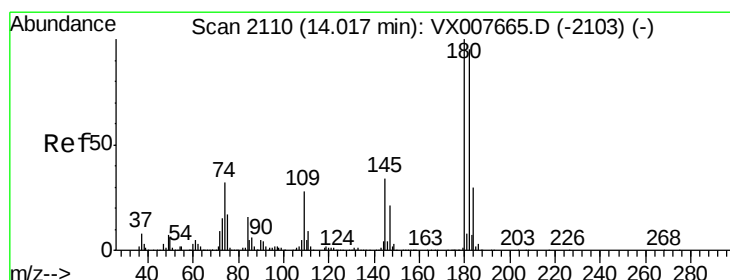
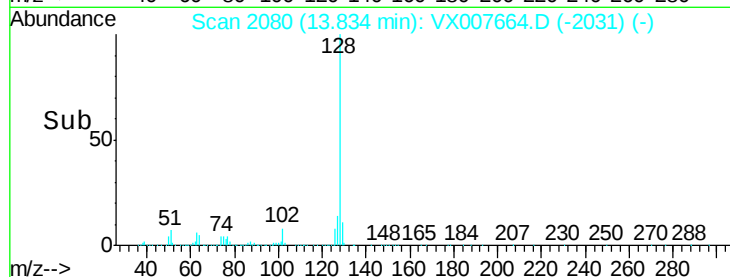
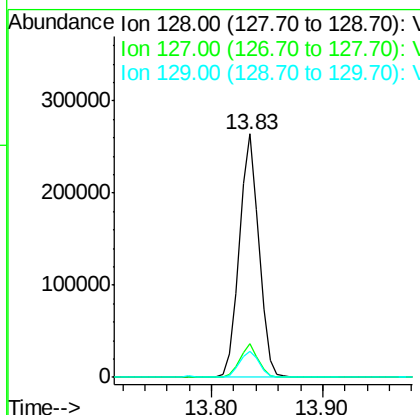
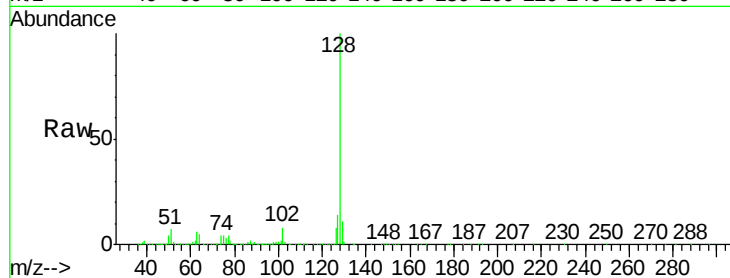
#95
Naphthalene
Concen: 19.997 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX007664.D
Acq: 25 Feb 2019 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.5	15.7
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
2/26/2019 2:57:29 PM



#96
1,2,3-Trichlorobenzene
Concen: 17.231 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX007664.D
Acq: 25 Feb 2019 10:41

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.5	142.6
145	34.0	14.9	44.5

