

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX020119\
 Data File : VX007335.D
 Acq On : 01 Feb 2019 14:40
 Operator : JC/SP
 Sample : VX0201WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0201WBS01

Manual Integrations
 APPROVED

MMDadoda
 2/4/2019 9:36:57 AM

Quant Time: Feb 02 03:34:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 02 01:32:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	501510	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	725534	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	674375	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	362788	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	250557	47.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.14%	
35) Dibromofluoromethane	5.50	113	227445	48.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.36%	
50) Toluene-d8	8.71	98	862640	49.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.50%	
62) 4-Bromofluorobenzene	11.13	95	319265	49.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	125232	20.426	ug/l	96
3) Chloromethane	1.33	50	113712	20.130	ug/l	94
4) Vinyl Chloride	1.41	62	113349	20.454	ug/l	99
5) Bromomethane	1.64	94	112292	20.201	ug/l	100
6) Chloroethane	1.72	64	68690	19.161	ug/l	100
7) Trichlorofluoromethane	1.93	101	166227	19.175	ug/l	98
8) Diethyl Ether	2.19	74	60656	18.590	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.39	101	101050	19.596	ug/l	97
10) Methyl Iodide	2.51	142	139231	18.355	ug/l	100
11) Tert butyl alcohol	3.07	59	114992	104.384	ug/l	99
12) 1,1-Dichloroethene	2.37	96	90698	18.941	ug/l	98
13) Acrolein	2.29	56	51130	98.978	ug/l	98
14) Allyl chloride	2.73	41	147671	18.927	ug/l	99
15) Acrylonitrile	3.15	53	263645	96.744	ug/l	99
16) Acetone	2.45	43	236328	96.920	ug/l	100
17) Carbon Disulfide	2.57	76	224281	19.273	ug/l	98
18) Methyl Acetate	2.78	43	131406	21.031	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	290812	18.746	ug/l	100
20) Methylene Chloride	2.86	84	100160	19.873	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	93925	18.414	ug/l	99
22) Diisopropyl ether	3.87	45	268295	18.695	ug/l	98
23) Vinyl Acetate	3.82	43	1143842	96.047	ug/l	99
24) 1,1-Dichloroethane	3.70	63	157384	19.096	ug/l	99
25) 2-Butanone	4.70	43	345277	99.500	ug/l	100
26) 2,2-Dichloropropane	4.58	77	113467	18.078	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	103044	18.495	ug/l	99
28) Bromochloromethane	5.01	49	71189	18.783	ug/l	99
29) Tetrahydrofuran	5.15	42	219262	100.465	ug/l	98
30) Chloroform	5.21	83	162372	18.880	ug/l	99
31) Cyclohexane	5.57	56	140035	18.918	ug/l	92
32) 1,1,1-Trichloroethane	5.49	97	139657	19.238	ug/l	98
36) 1,1-Dichloropropene	5.80	75	119531	18.362	ug/l	98
37) Ethyl Acetate	4.85	43	124552	18.927	ug/l	97
38) Carbon Tetrachloride	5.78	117	122246	19.356	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX020119\
 Data File : VX007335.D
 Acq On : 01 Feb 2019 14:40
 Operator : JC/SP
 Sample : VX0201WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0201WBS01

Manual Integrations
 APPROVED

MMDadoda
 2/4/2019 9:36:57 AM

Quant Time: Feb 02 03:34:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 02 01:32:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	156017	19.809	ug/l	96
40) Benzene	6.14	78	365104	19.040	ug/l	100
41) Methacrylonitrile	5.05	41	67746	19.209	ug/l	96
42) 1,2-Dichloroethane	6.20	62	123695	18.644	ug/l	98
43) Isopropyl Acetate	6.46	43	194423	19.141	ug/l	99
44) Trichloroethene	7.21	130	107696	18.648	ug/l	96
45) 1,2-Dichloropropane	7.51	63	92415	19.235	ug/l	96
46) Dibromomethane	7.66	93	64831	18.566	ug/l	99
47) Bromodichloromethane	7.90	83	109248	18.460	ug/l	99
48) Methyl methacrylate	7.77	41	101395	19.957	ug/l	99
49) 1,4-Dioxane	7.74	88	50405	440.126	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	671659	100.449	ug/l	99
52) Toluene	8.78	92	236959	19.153	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	120669	18.982	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	133426	19.086	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	97562	18.918	ug/l	97
56) Ethyl methacrylate	9.18	69	139945	19.592	ug/l	99
57) 1,3-Dichloropropane	9.37	76	156066	19.029	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	371793	98.754	ug/l	100
59) 2-Hexanone	9.49	43	521055	100.140	ug/l	100
60) Dibromochloromethane	9.58	129	92808	19.028	ug/l	96
61) 1,2-Dibromoethane	9.67	107	102947	18.849	ug/l	98
64) Tetrachloroethene	9.34	164	115931	18.239	ug/l	98
65) Chlorobenzene	10.13	112	278505	18.925	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	93952	19.042	ug/l	99
67) Ethyl Benzene	10.25	91	461497	19.474	ug/l	100
68) m/p-Xylenes	10.36	106	365082	38.754	ug/l	100
69) o-Xylene	10.69	106	174866	19.291	ug/l	98
70) Styrene	10.71	104	285070	19.391	ug/l	99
71) Bromoform	10.85	173	69646	18.827	ug/l #	99
73) Isopropylbenzene	11.02	105	473955	19.225	ug/l	99
74) N-amyl acetate	10.90	43	180189	18.896	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	142749	18.999	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	138335m	19.603	ug/l	
77) Bromobenzene	11.26	156	128616	18.516	ug/l	99
78) n-propylbenzene	11.36	91	530410	19.620	ug/l	100
79) 2-Chlorotoluene	11.42	91	315064	19.207	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	392678	19.469	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	36648	18.923	ug/l	96
82) 4-Chlorotoluene	11.51	91	358857	18.906	ug/l	98
83) tert-Butylbenzene	11.77	119	376755	18.867	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	400370	19.552	ug/l	100
85) sec-Butylbenzene	11.94	105	479014	19.820	ug/l	100
86) p-Isopropyltoluene	12.06	119	431100	19.760	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	230744	18.510	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	232239	18.363	ug/l	98
89) n-Butylbenzene	12.39	91	361694	19.272	ug/l	99
90) Hexachloroethane	12.60	117	60680	18.584	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	229184	18.473	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	29274	18.738	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX020119\
Data File : VX007335.D
Acq On : 01 Feb 2019 14:40
Operator : JC/SP
Sample : VX0201WBS01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0201WBS01

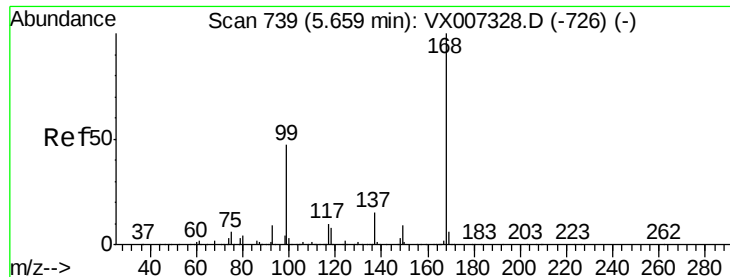
Manual Integrations
APPROVED

MMDadoda
2/4/2019 9:36:57 AM

Quant Time: Feb 02 03:34:46 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
Quant Title : SW846 8260
QLast Update : Sat Feb 02 01:32:36 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	156592	18.716	ug/l	99
94) Hexachlorobutadiene	13.78	225	77245	19.014	ug/l	99
95) Naphthalene	13.83	128	468437	19.146	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	156548	18.588	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.00 min

Lab File: VX007335.D

Acq: 01 Feb 2019 14:40

Instrument :

MSVOA_X

ClientSampleId :

VX0201WBS01

Tot Ion:168 Resp: 501510

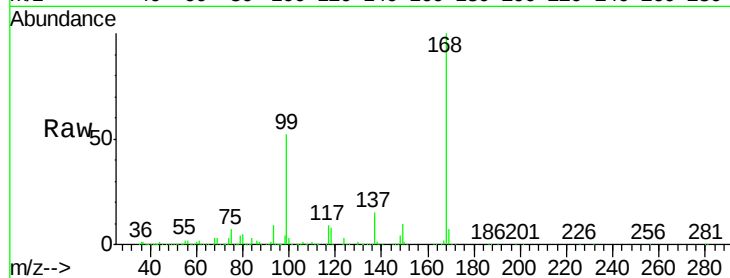
Ion Ratio Lower Upper

168 100

99 51.4 37.9 56.9

Manual Integrations
APPROVED

MMDadoda
2/4/2019 9:36:57 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

200000

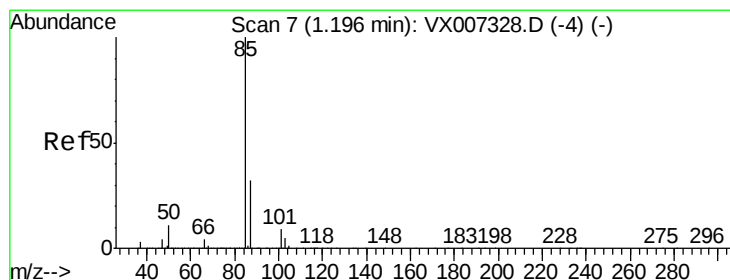
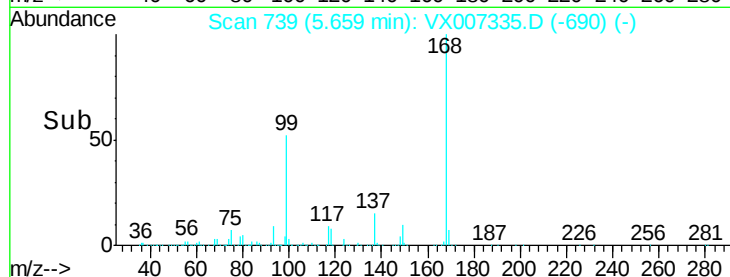
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 20.426 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX007335.D

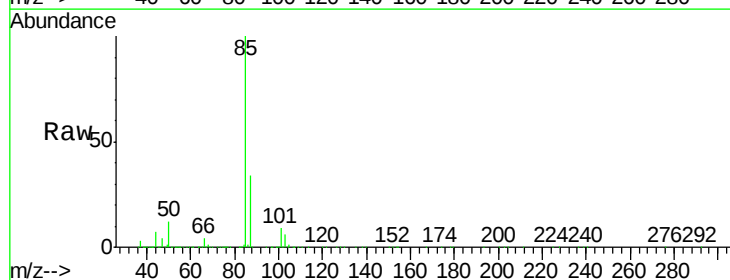
Acq: 01 Feb 2019 14:40

Tgt Ion: 85 Resp: 125232

Ion Ratio Lower Upper

85 100

87 33.6 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

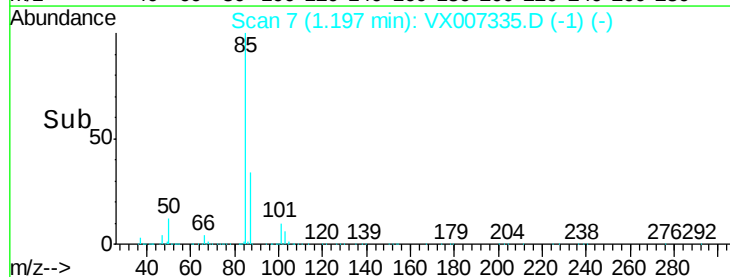
1.20

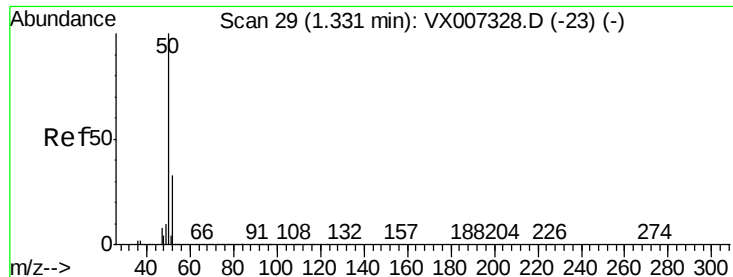
100000

50000

0

Time--> 1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 20.130 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX007335.D

Acq: 01 Feb 2019 14:40

Instrument :

MSVOA_X

ClientSampleId :

VX0201WBS01

Tot Ion: 50 Resp: 113712

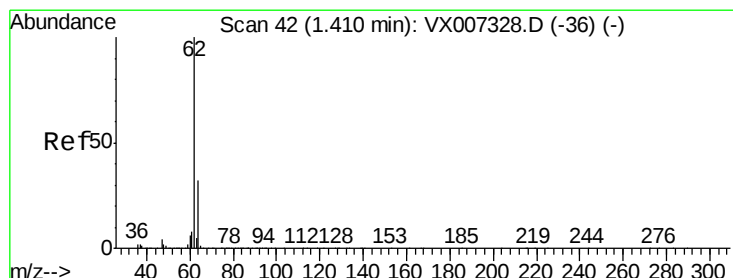
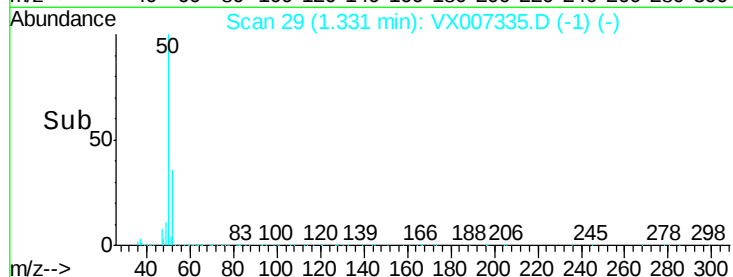
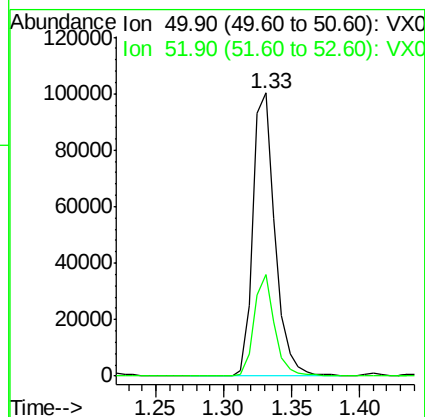
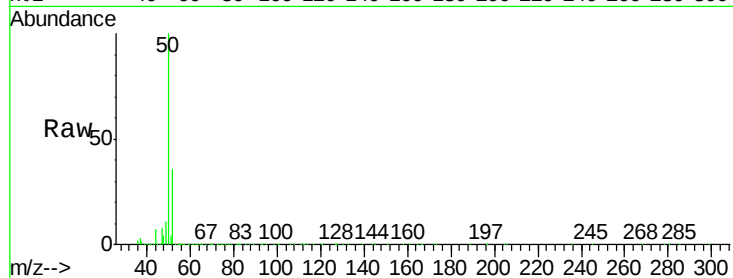
Ion Ratio Lower Upper

50 100

52 35.8 26.1 39.1

Manual Integrations
APPROVED

MMDadoda
2/4/2019 9:36:57 AM



#4

Vinyl Chloride

Concen: 20.454 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX007335.D

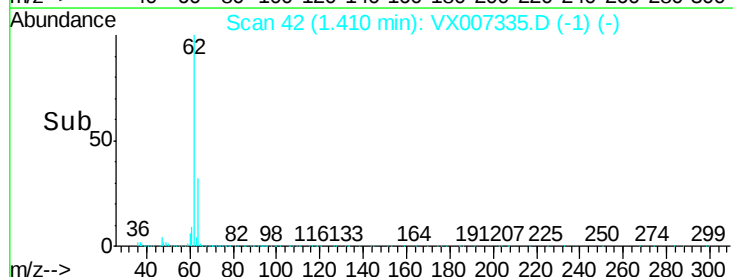
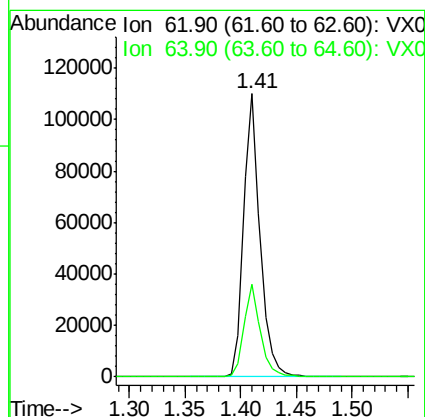
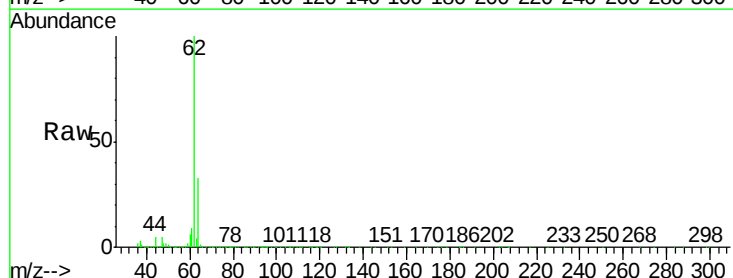
Acq: 01 Feb 2019 14:40

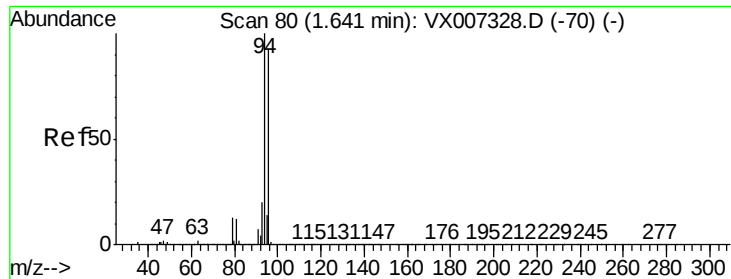
Tgt Ion: 62 Resp: 113349

Ion Ratio Lower Upper

62 100

64 32.5 25.4 38.0





#5

Bromomethane

Concen: 20.201 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX007335.D

Acq: 01 Feb 2019 14:40

Instrument :

MSVOA_X

ClientSampleId :

VX0201WBS01

Tot Ion: 94 Resp: 112292

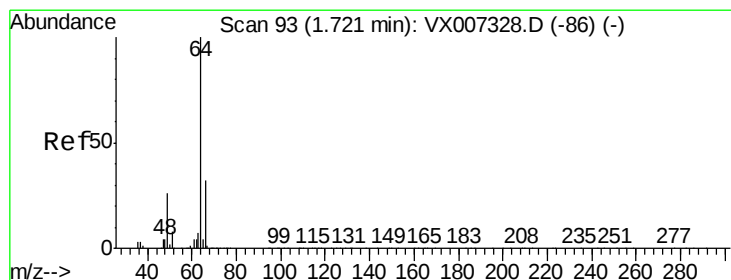
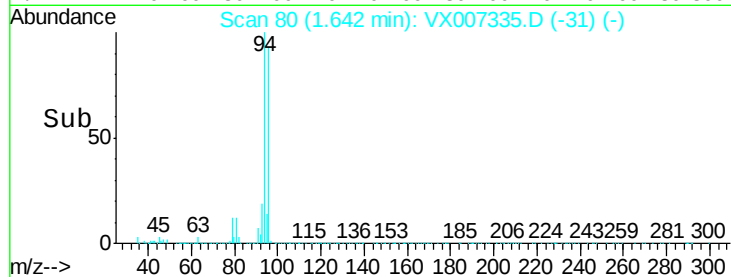
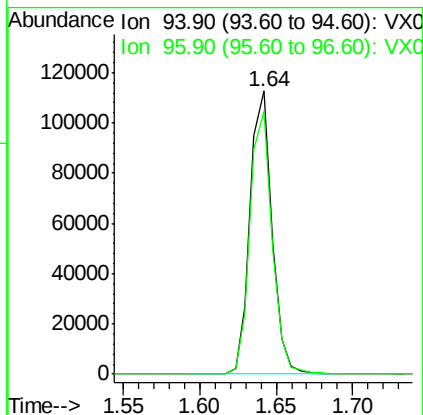
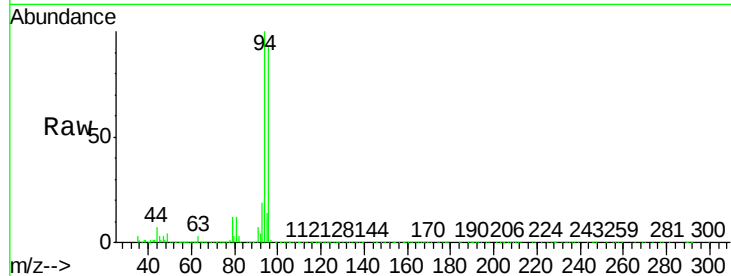
Ion Ratio Lower Upper

94 100

96 92.8 73.9 110.9

Manual Integrations
APPROVED

MMDadoda
2/4/2019 9:36:57 AM



#6

Chloroethane

Concen: 19.161 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.00 min

Lab File: VX007335.D

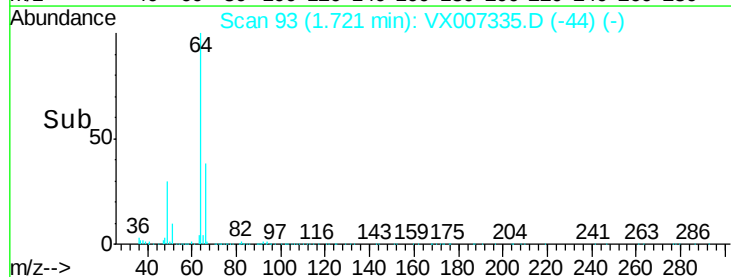
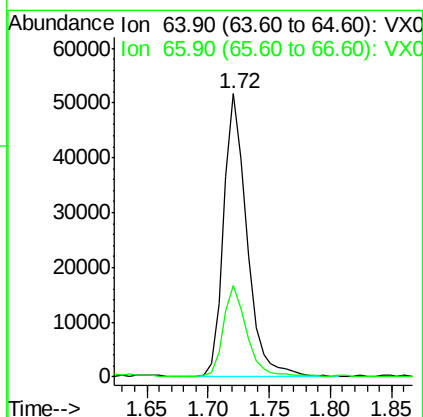
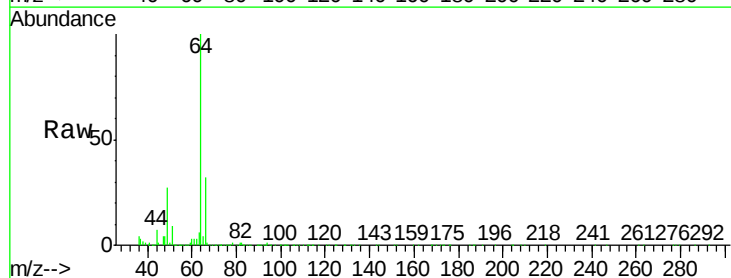
Acq: 01 Feb 2019 14:40

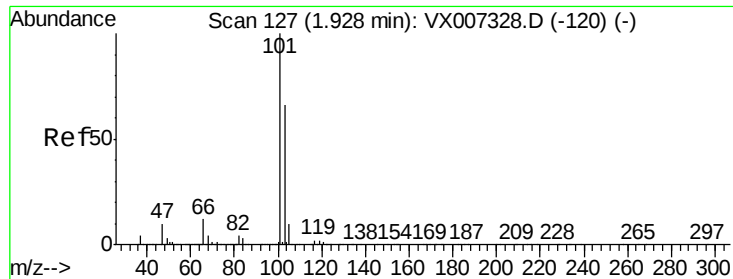
Tgt Ion: 64 Resp: 68690

Ion Ratio Lower Upper

64 100

66 31.9 25.5 38.3





#7

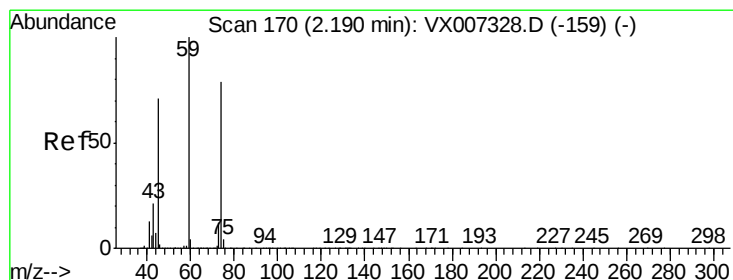
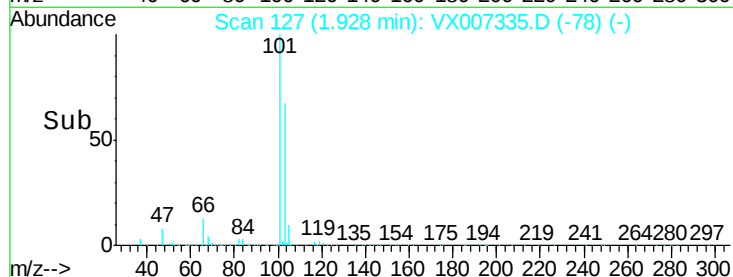
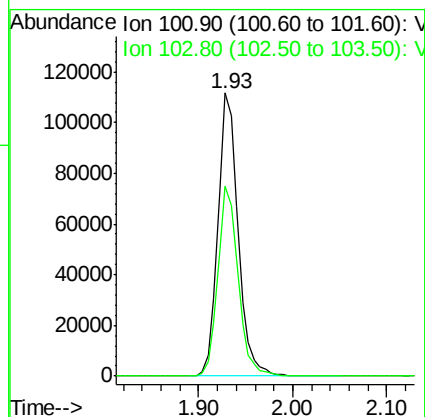
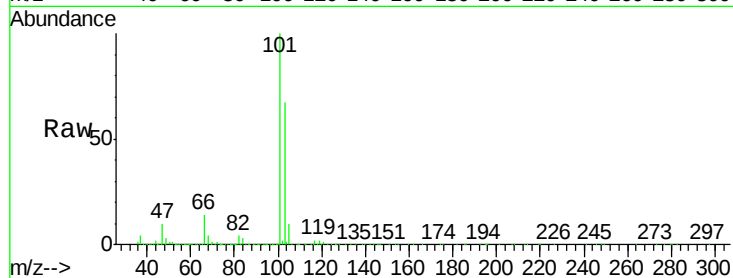
Trichlorofluoromethane
Concen: 19.175 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.00 min
Lab File: VX007335.D
Acq: 01 Feb 2019 14:40

Instrument :
MSVOA_X
ClientSampleId :
VX0201WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.3	52.6	79.0

Manual Integrations
APPROVED

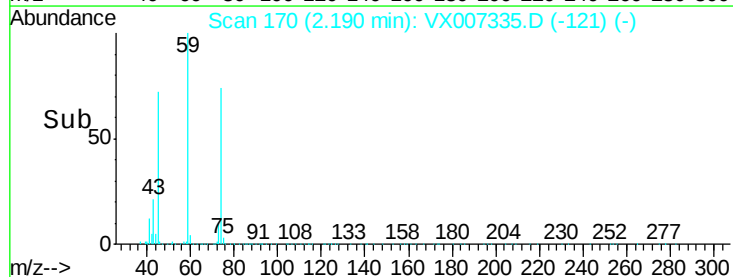
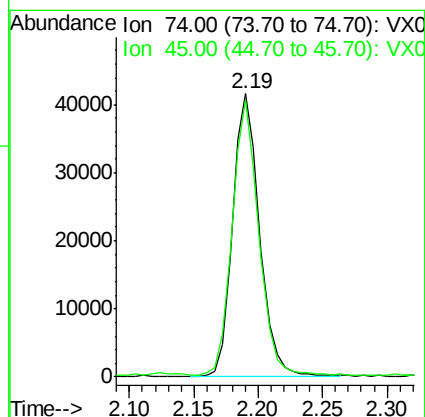
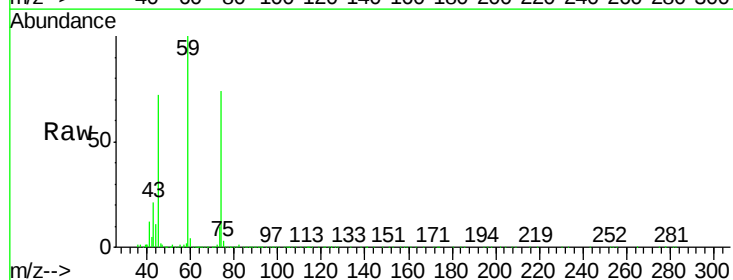
MMDadoda
2/4/2019 9:36:57 AM

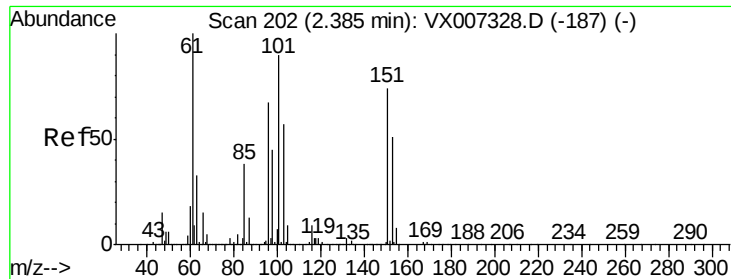


#8

Diethyl Ether
Concen: 18.590 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX007335.D
Acq: 01 Feb 2019 14:40

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.4	45.7	137.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.596 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX007335.D

Acq: 01 Feb 2019 14:40

Instrument :

MSVOA_X

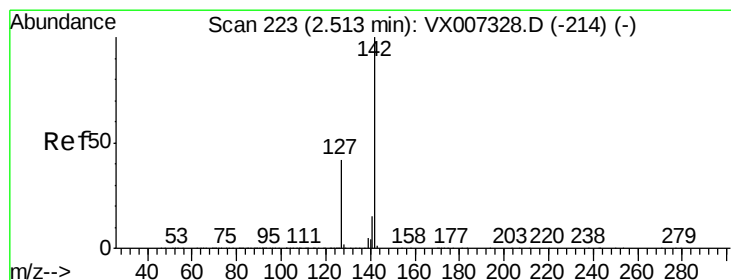
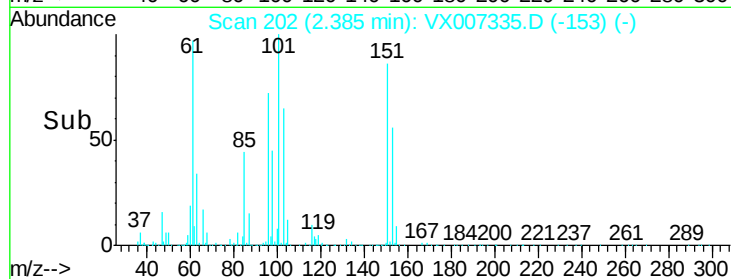
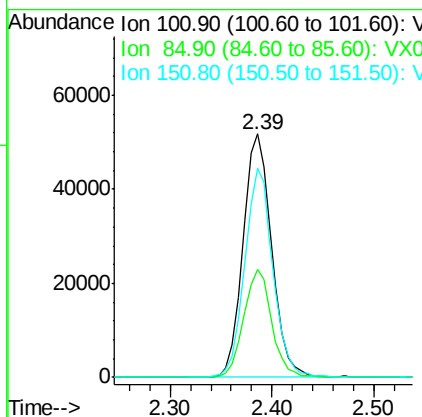
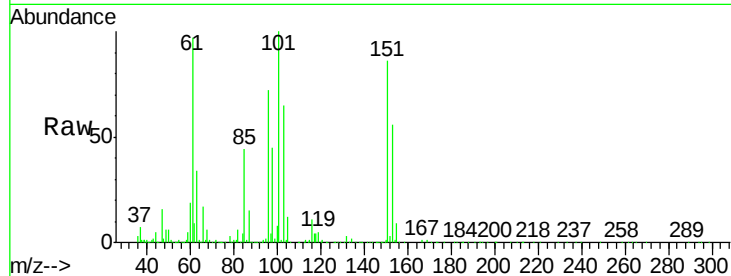
ClientSampleId :

VX0201WBS01

Tot Ion:	101	Resp:	101050
Ion Ratio	Lower	Upper	
101	100		
85	43.8	34.1	51.1
151	84.6	69.9	104.9

Manual Integrations
APPROVED

MMDadoda
2/4/2019 9:36:57 AM



#10

Methyl Iodide

Concen: 18.355 ug/l

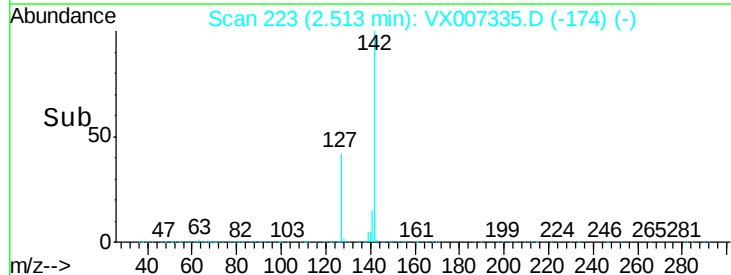
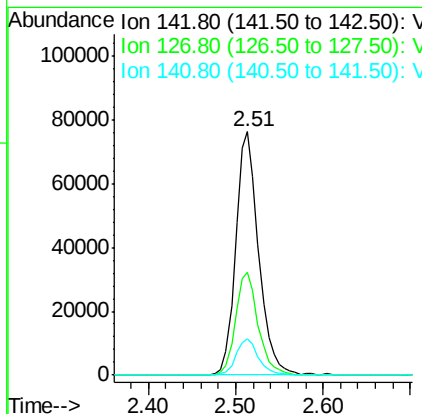
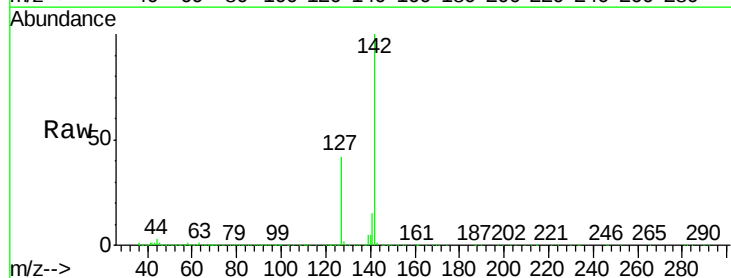
RT: 2.51 min Scan# 223

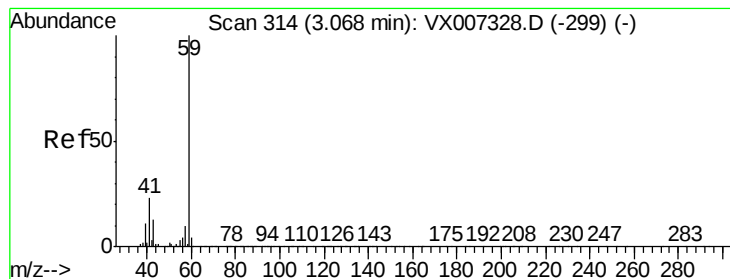
Delta R.T. 0.00 min

Lab File: VX007335.D

Acq: 01 Feb 2019 14:40

Tgt Ion:	142	Resp:	139231
Ion Ratio	Lower	Upper	
142	100		
127	42.1	33.7	50.5
141	14.4	11.3	16.9





#11

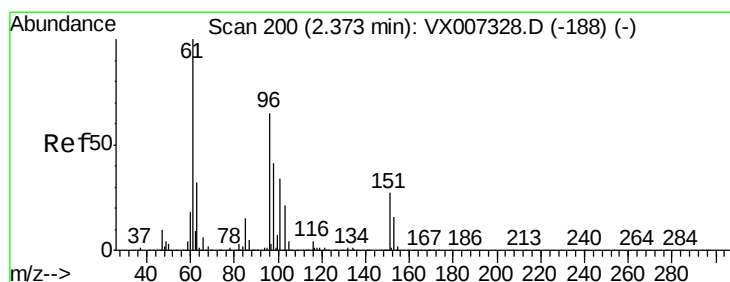
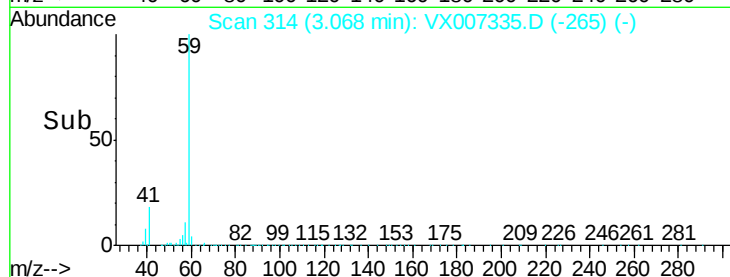
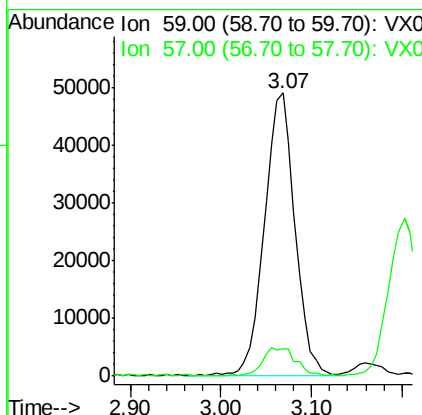
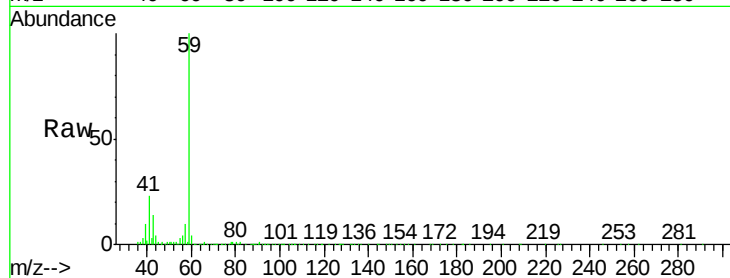
Tert butyl alcohol
Concen: 104.384 ug/l
RT: 3.07 min Scan# 314
Delta R.T. 0.00 min
Lab File: VX007335.D
Acq: 01 Feb 2019 14:40

Instrument :
MSVOA_X
ClientSampleId :
VX0201WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.1	12.1

Manual Integrations
APPROVED

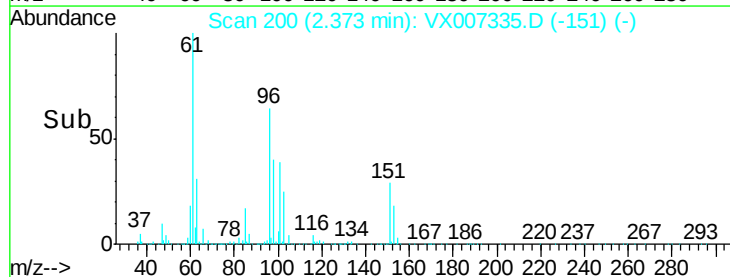
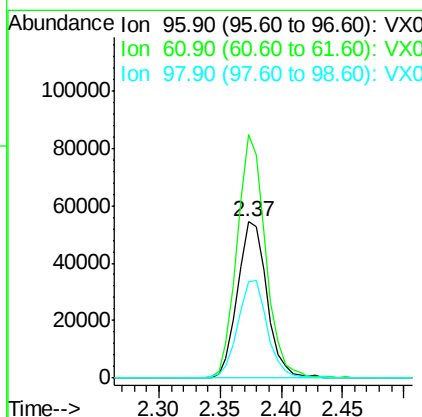
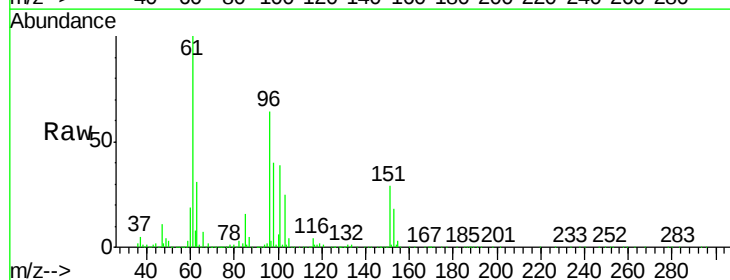
MMDadoda
2/4/2019 9:36:57 AM

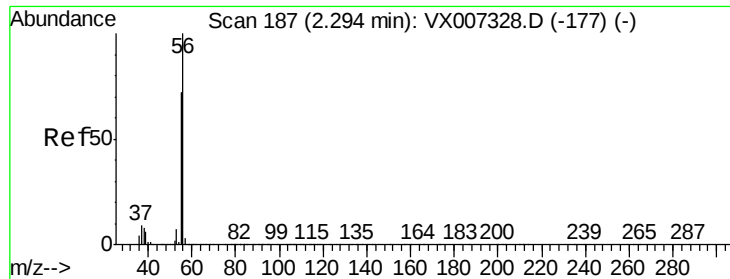


#12

1,1-Dichloroethene
Concen: 18.941 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX007335.D
Acq: 01 Feb 2019 14:40

Tgt Ion	Ratio	Lower	Upper
96	100		
61	156.2	123.0	184.4
98	61.6	50.9	76.3





#13

Acrolein

Concen: 98.978 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX007335.D

Acq: 01 Feb 2019 14:40

Instrument :

MSVOA_X

ClientSampleId :

VX0201WBS01

Tot Ion: 56 Resp: 51130

Ion Ratio Lower Upper

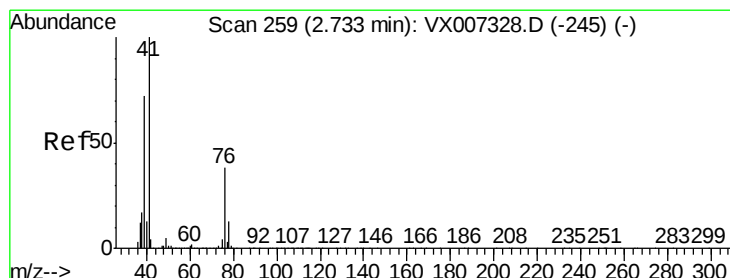
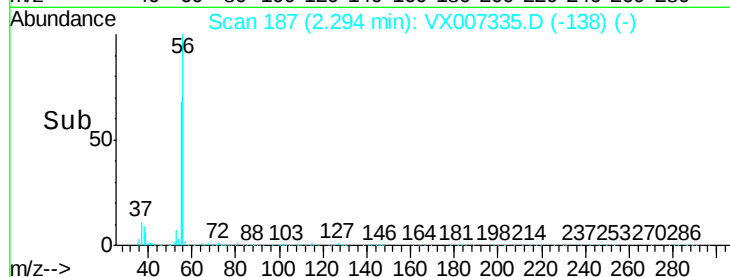
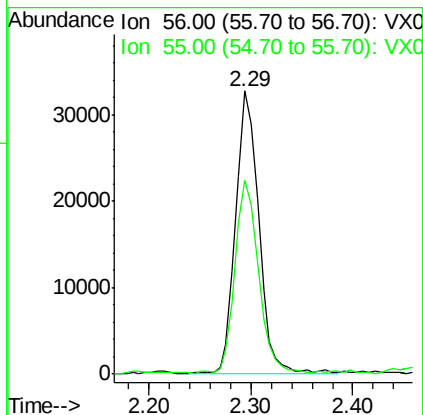
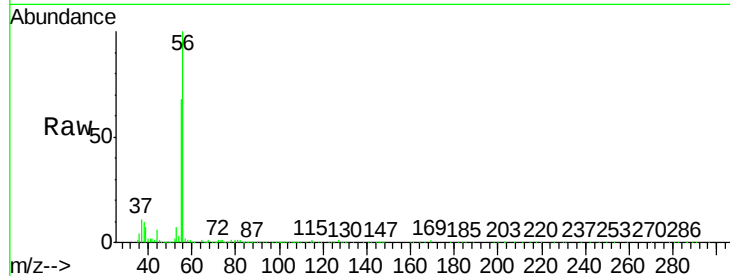
56 100

55 69.4 56.9 85.3

Manual Integrations
APPROVED

MMDadoda

2/4/2019 9:36:57 AM



#14

Allyl chloride

Concen: 18.927 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.01 min

Lab File: VX007335.D

Acq: 01 Feb 2019 14:40

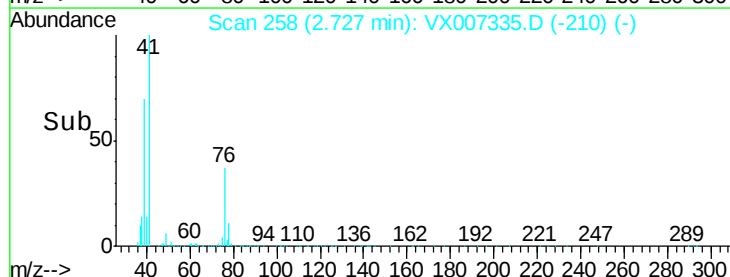
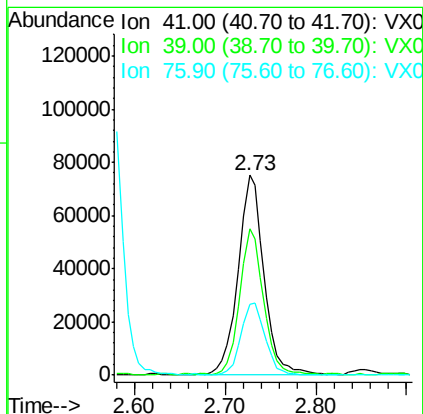
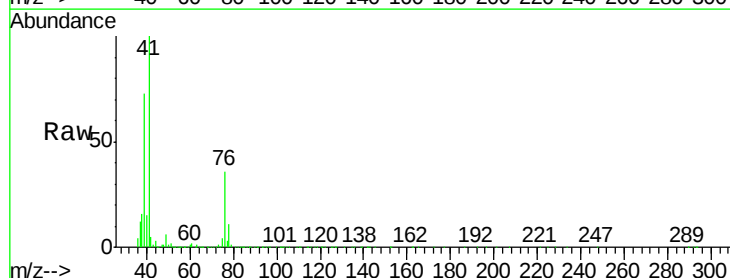
Tgt Ion: 41 Resp: 147671

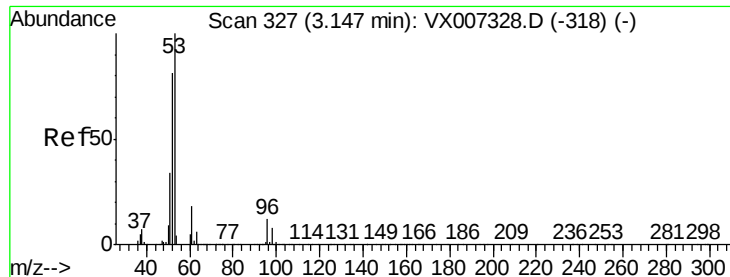
Ion Ratio Lower Upper

41 100

39 67.1 54.1 81.1

76 34.5 27.8 41.8





#15

Acrylonitrile

Concen: 96.744 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.00 min

Lab File: VX007335.D

Acq: 01 Feb 2019 14:40

Instrument :

MSVOA_X

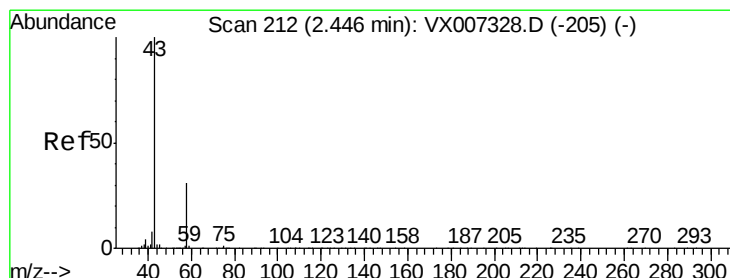
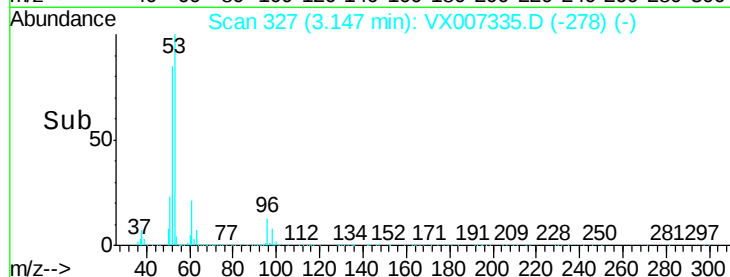
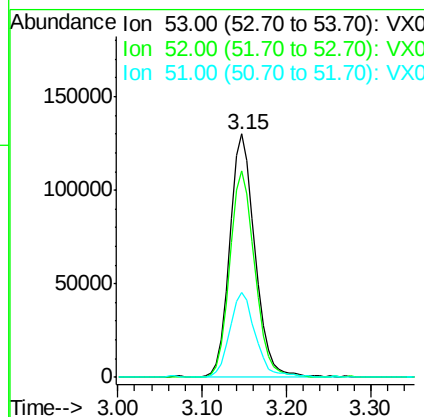
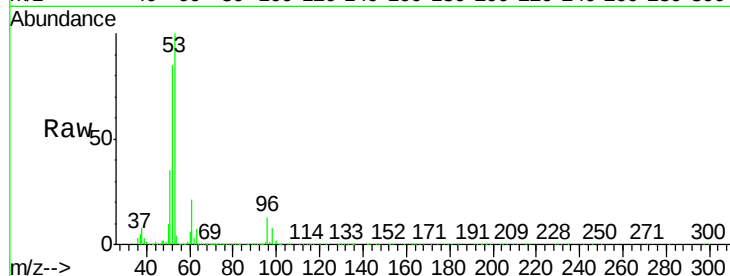
ClientSampleId :

VX0201WBS01

Tot Ion:	53	Resp:	263645
Ion Ratio		Lower	Upper
53	100		
52	84.4	66.4	99.6
51	35.2	28.4	42.6

Manual Integrations
APPROVED

MMDadoda
2/4/2019 9:36:57 AM



#16

Acetone

Concen: 96.920 ug/l

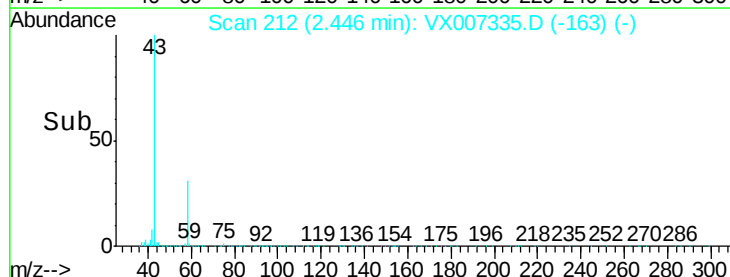
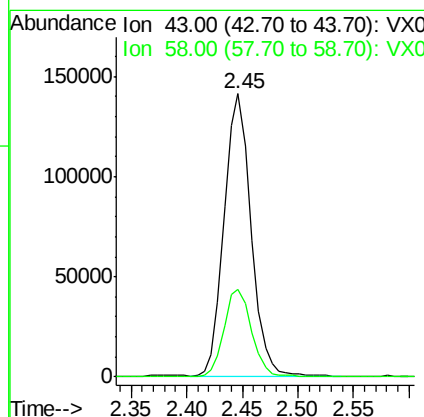
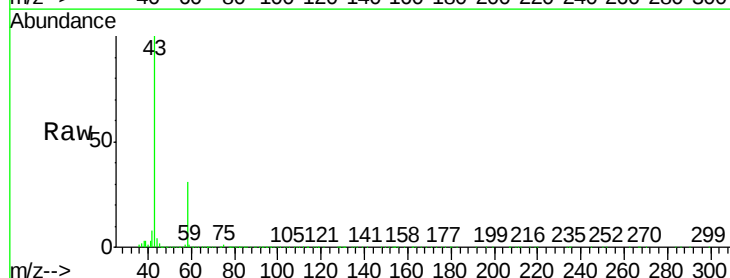
RT: 2.45 min Scan# 212

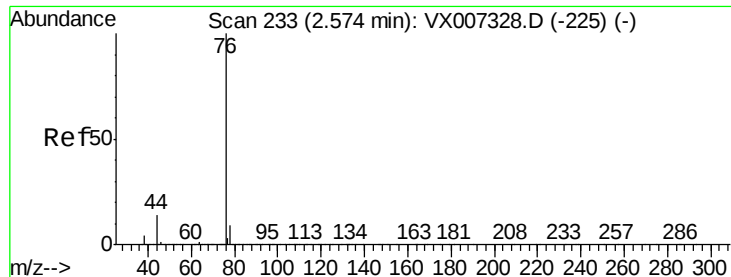
Delta R.T. 0.00 min

Lab File: VX007335.D

Acq: 01 Feb 2019 14:40

Tgt Ion:	43	Resp:	236328
Ion Ratio		Lower	Upper
43	100		
58	30.9	24.9	37.3





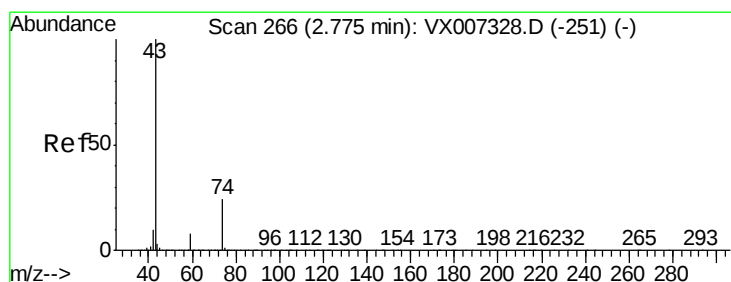
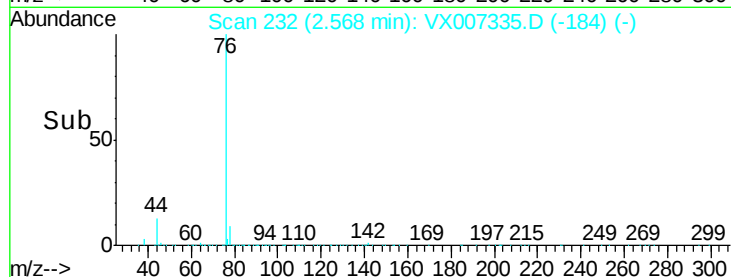
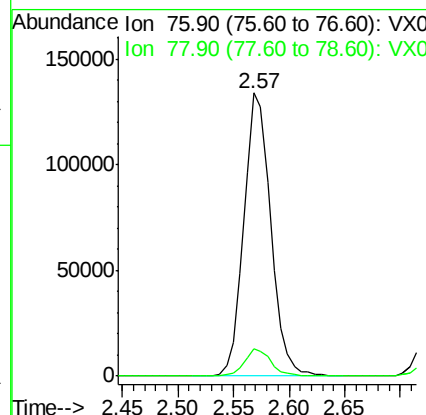
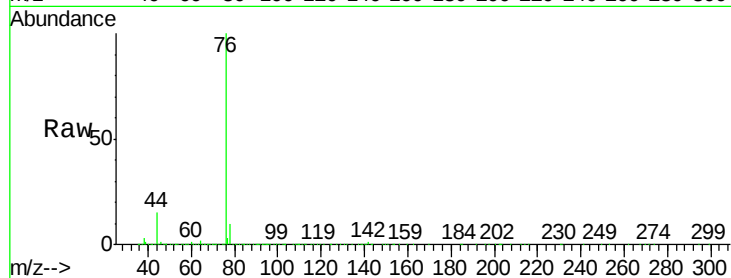
#17
Carbon Disulfide
Concen: 19.273 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.01 min
Lab File: VX007335.D
Acq: 01 Feb 2019 14:40

Instrument :
MSVOA_X
ClientSampleId :
VX0201WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.6	7.1	10.7

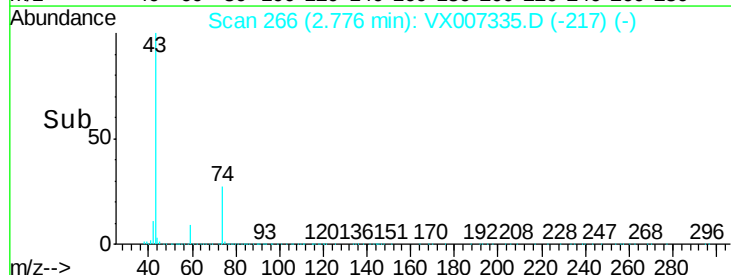
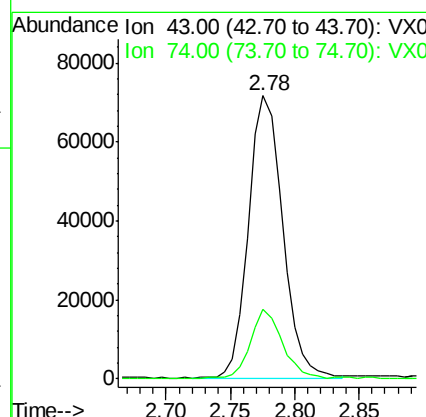
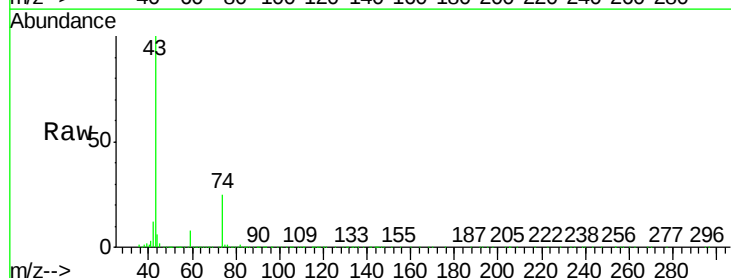
Manual Integrations
APPROVED

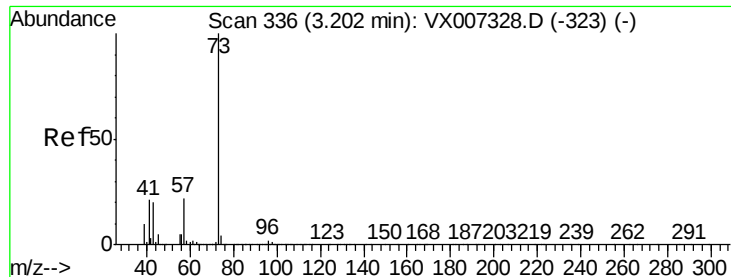
MMDadoda
2/4/2019 9:36:57 AM



#18
Methyl Acetate
Concen: 21.031 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX007335.D
Acq: 01 Feb 2019 14:40

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.8	19.4	29.2





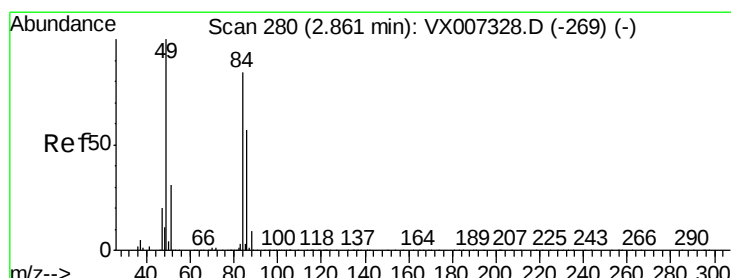
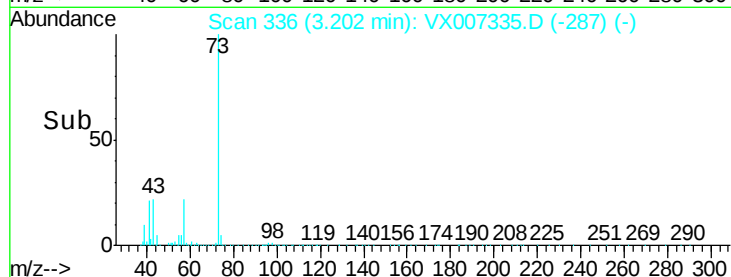
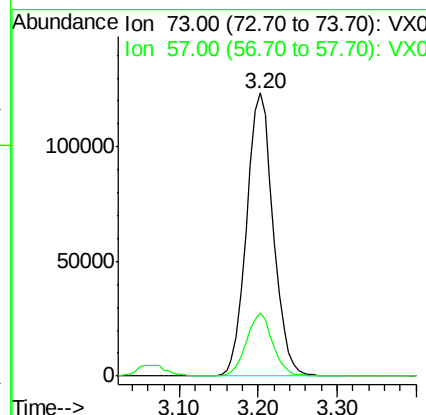
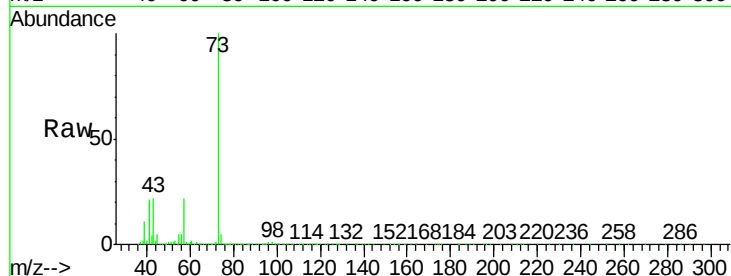
#19
Methyl tert-butyl Ether
Concen: 18.746 ug/l
RT: 3.20 min Scan# 336
Delta R.T. 0.00 min
Lab File: VX007335.D
Acq: 01 Feb 2019 14:40

Instrument :
MSVOA_X
ClientSampleId :
VX0201WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.1	17.8	26.8

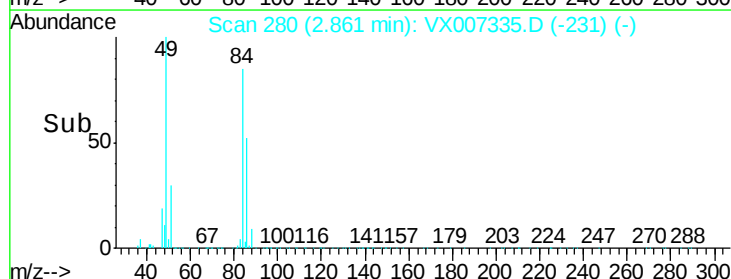
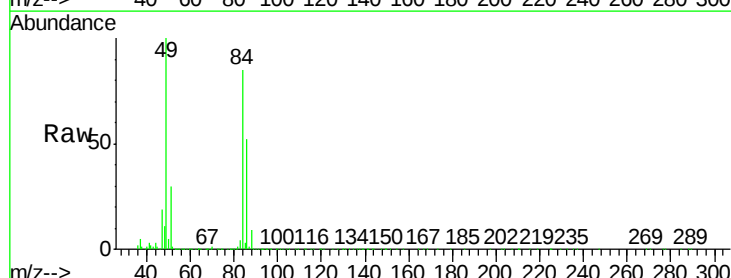
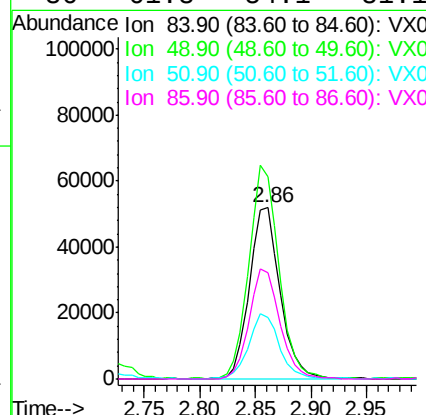
Manual Integrations
APPROVED

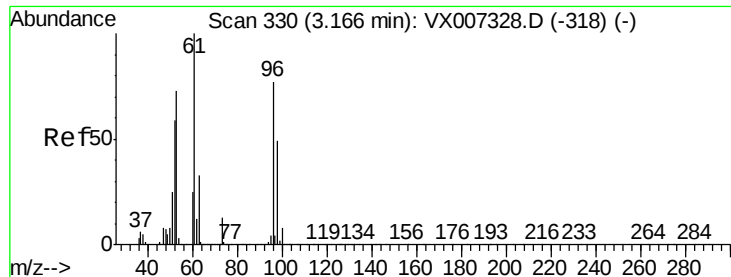
MMDadoda
2/4/2019 9:36:57 AM



#20
Methylene Chloride
Concen: 19.873 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX007335.D
Acq: 01 Feb 2019 14:40

Tgt Ion	Ratio	Lower	Upper
84	100		
49	117.4	94.8	142.2
51	35.3	29.8	44.8
86	61.8	54.1	81.1





#21

trans-1,2-Dichloroethene

Concen: 18.414 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX007335.D

Acq: 01 Feb 2019 14:40

Instrument :

MSVOA_X

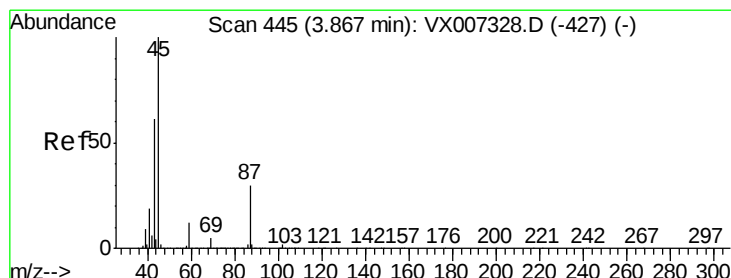
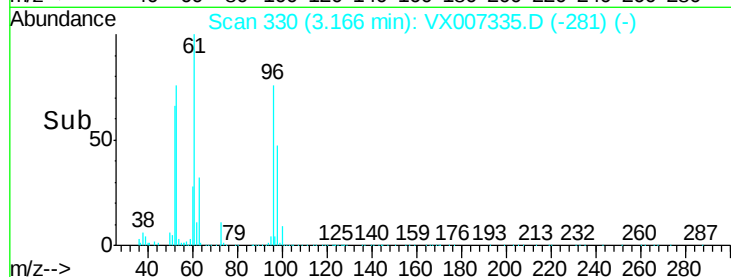
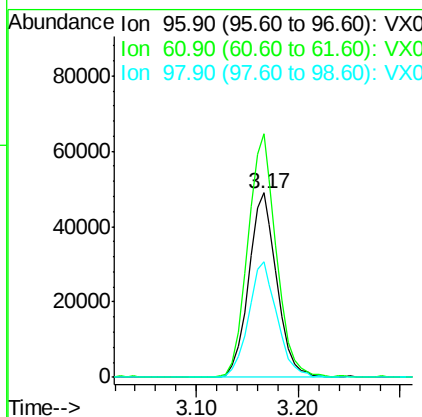
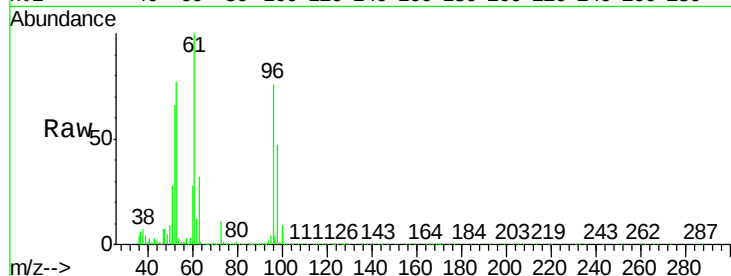
ClientSampleId :

VX0201WBS01

Tot Ion:	96	Resp:	93925
Ion Ratio	Lower	Upper	
96	100		
61	132.0	104.6	156.8
98	62.7	51.0	76.4

Manual Integrations
APPROVED

MMDadoda
2/4/2019 9:36:57 AM



#22

Diisopropyl ether

Concen: 18.695 ug/l

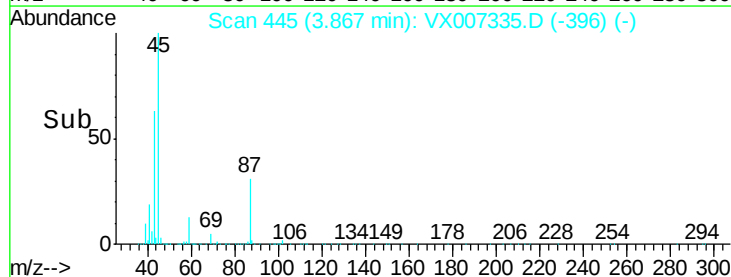
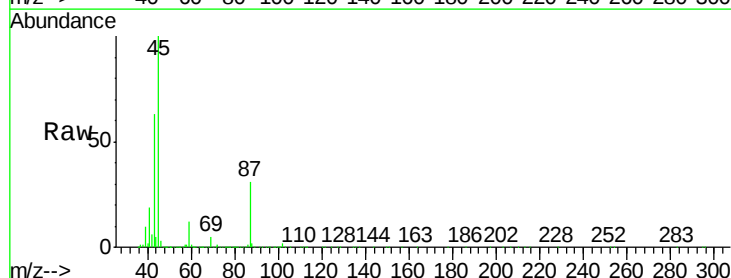
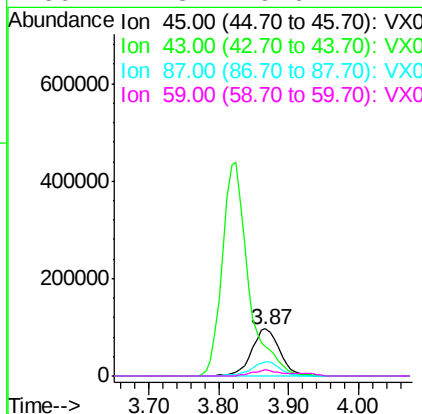
RT: 3.87 min Scan# 445

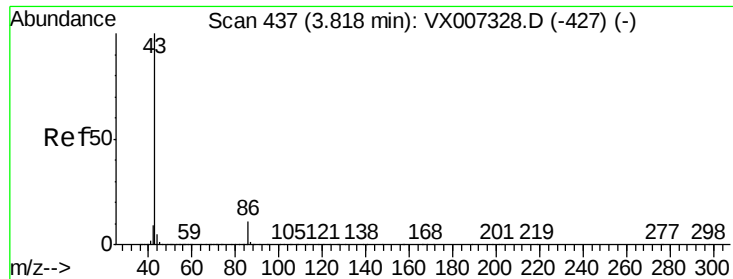
Delta R.T. 0.00 min

Lab File: VX007335.D

Acq: 01 Feb 2019 14:40

Tgt Ion:	45	Resp:	268295
Ion Ratio	Lower	Upper	
45	100		
43	63.2	48.9	73.3
87	31.1	23.9	35.9
59	12.3	9.6	14.4





#23

Vinyl Acetate

Concen: 96.047 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.01 min

Lab File: VX007335.D

Acq: 01 Feb 2019 14:40

Instrument :

MSVOA_X

ClientSampleId :

VX0201WBS01

Tot Ion: 43 Resp: 1143842

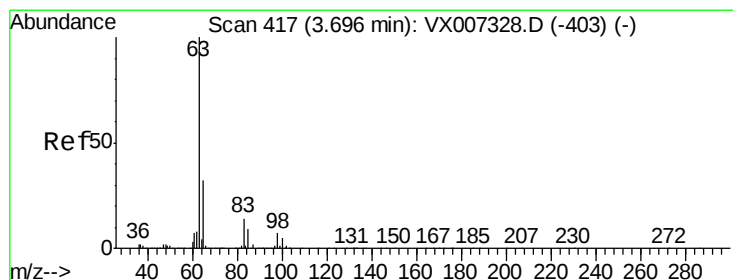
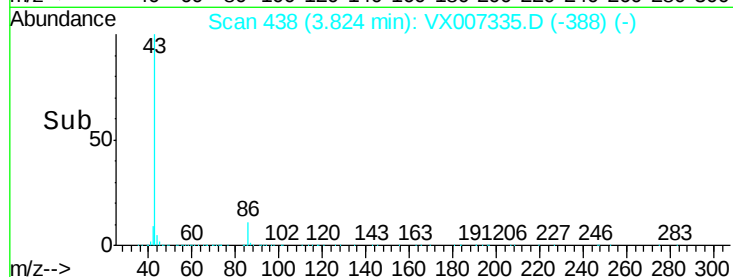
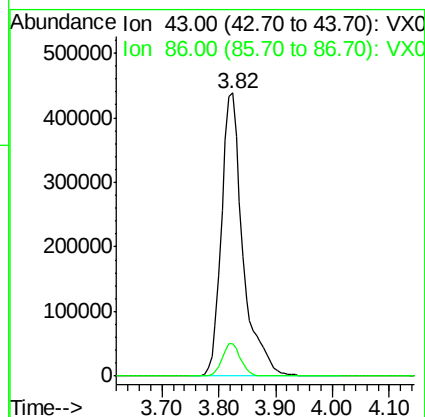
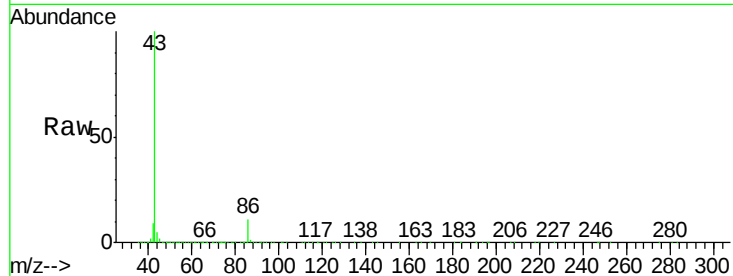
Ion Ratio Lower Upper

43 100

86 11.3 8.7 13.1

Manual Integrations
APPROVED

MMDadoda
2/4/2019 9:36:57 AM



#24

1,1-Dichloroethane

Concen: 19.096 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX007335.D

Acq: 01 Feb 2019 14:40

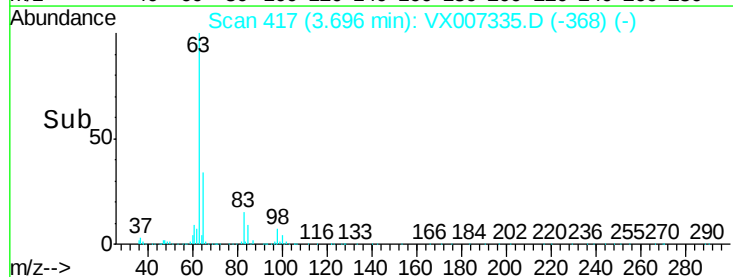
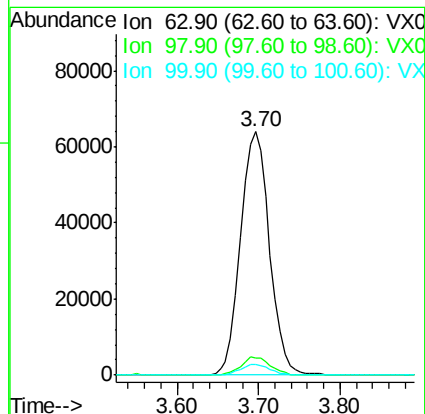
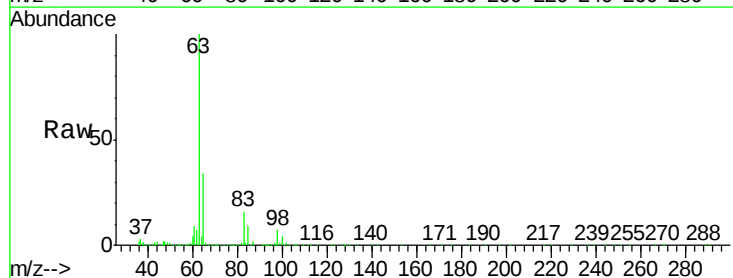
Tgt Ion: 63 Resp: 157384

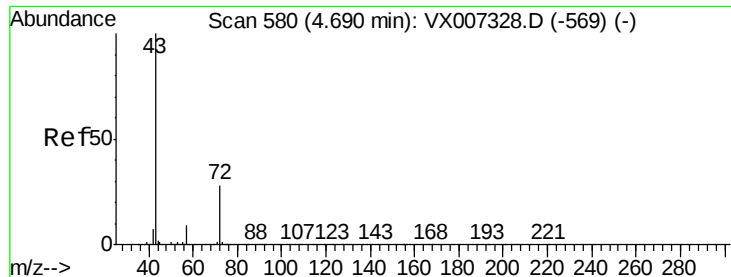
Ion Ratio Lower Upper

63 100

98 7.0 3.6 10.8

100 4.3 2.5 7.4





#25

2-Butanone

Concen: 99.500 ug/l

RT: 4.70 min Scan# 581

Delta R.T. 0.01 min

Lab File: VX007335.D

Acq: 01 Feb 2019 14:40

Instrument :

MSVOA_X

ClientSampleId :

VX0201WBS01

Tot Ion: 43 Resp: 345277

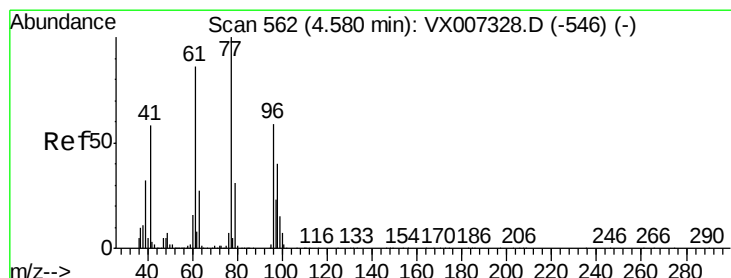
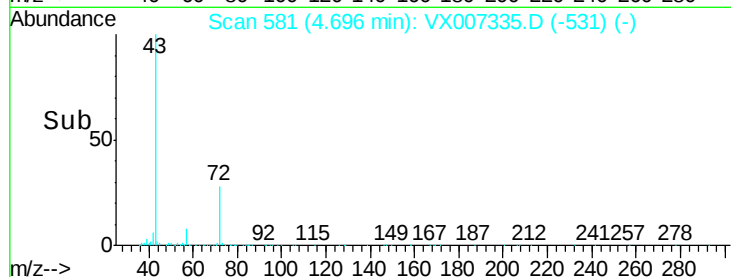
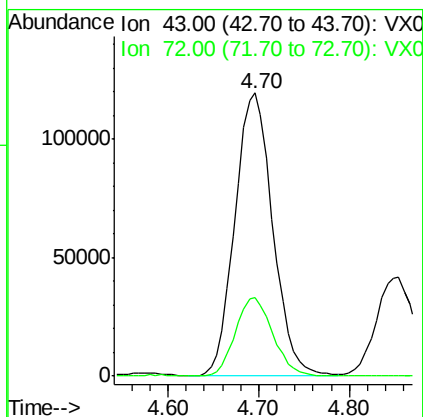
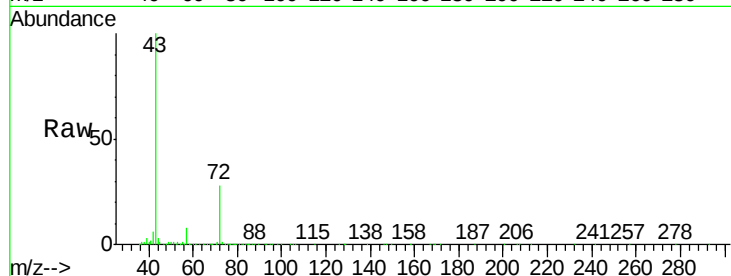
Ion Ratio Lower Upper

43 100

72 27.6 22.2 33.2

Manual Integrations
APPROVED

MMDadoda
2/4/2019 9:36:57 AM



#26

2,2-Dichloropropane

Concen: 18.078 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX007335.D

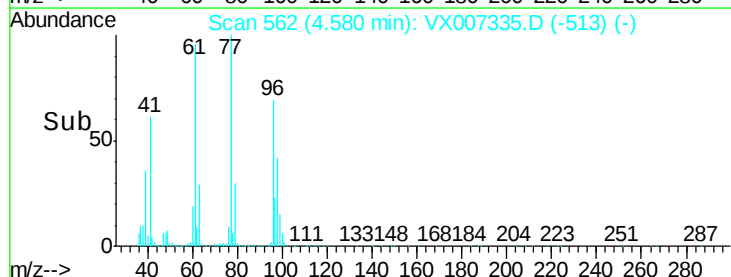
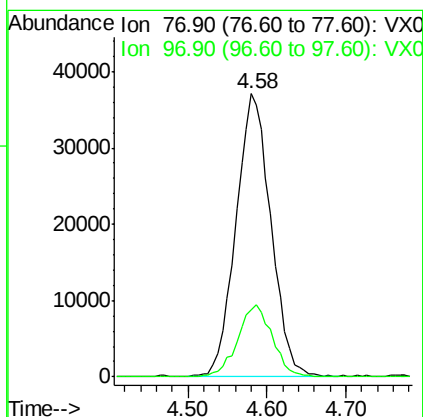
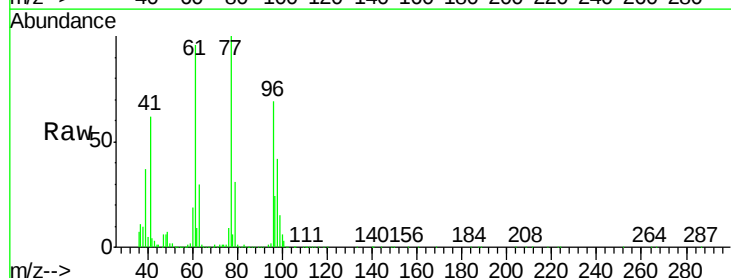
Acq: 01 Feb 2019 14:40

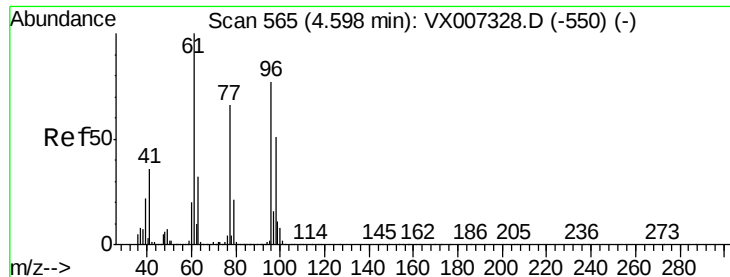
Tgt Ion: 77 Resp: 113467

Ion Ratio Lower Upper

77 100

97 25.5 12.1 36.3





#27

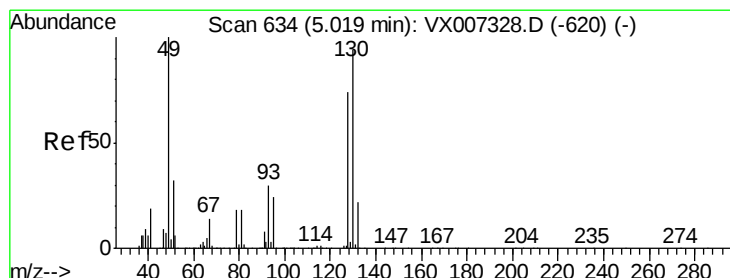
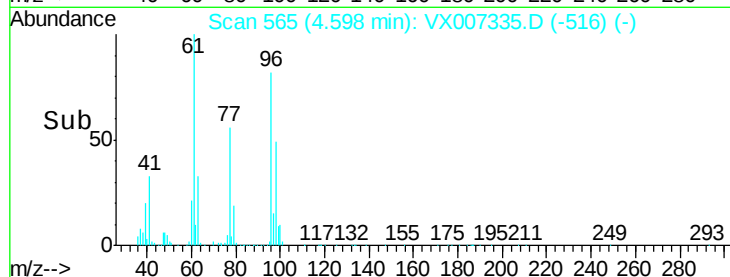
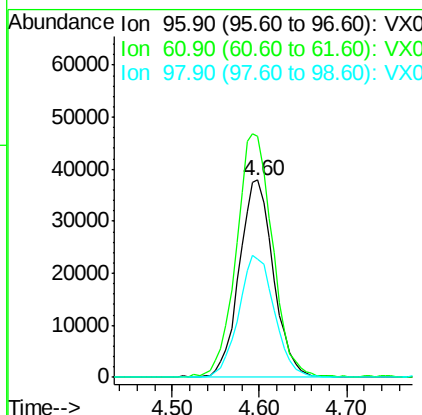
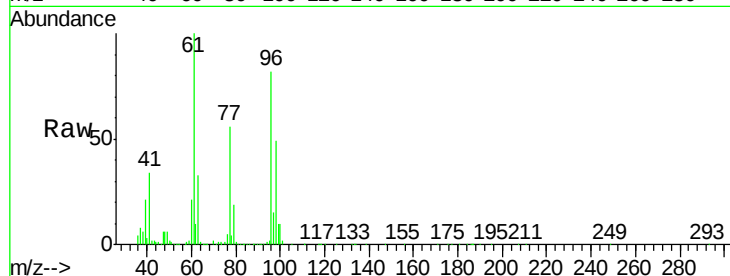
cis-1,2-Dichloroethene
Concen: 18.495 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX007335.D
Acq: 01 Feb 2019 14:40

Instrument :
MSVOA_X
ClientSampleId :
VX0201WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	131.2	0.0	265.6
98	64.4	0.0	131.6

Manual Integrations
APPROVED

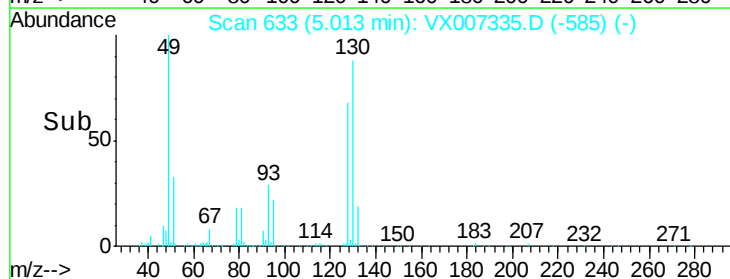
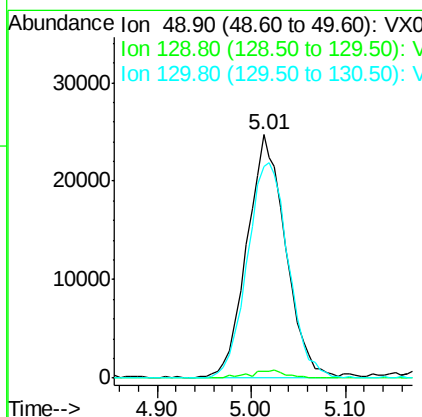
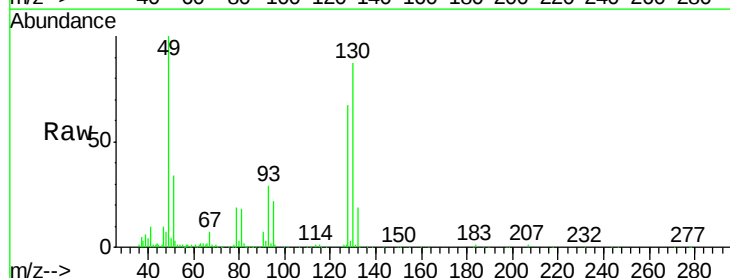
MMDadoda
2/4/2019 9:36:57 AM



#28

Bromochloromethane
Concen: 18.783 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX007335.D
Acq: 01 Feb 2019 14:40

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.0	0.0	5.6
130	93.7	75.6	113.4





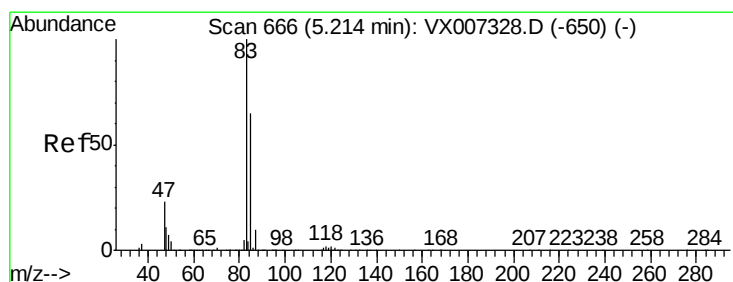
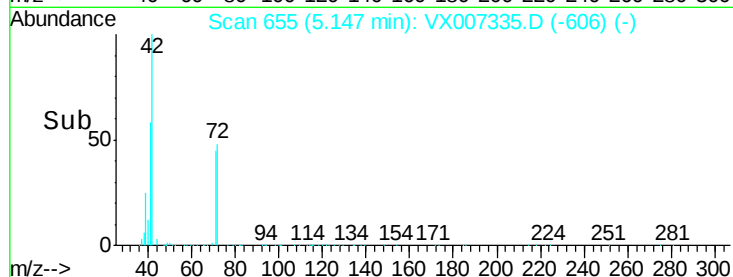
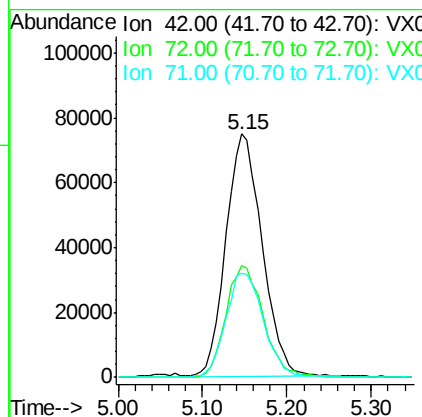
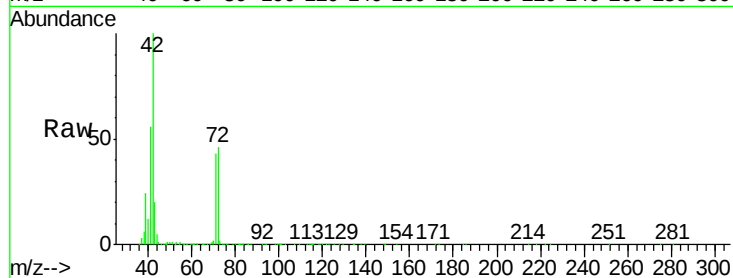
#29
Tetrahydrofuran
Concen: 100.465 ug/l
RT: 5.15 min Scan# 655
Delta R.T. 0.00 min
Lab File: VX007335.D
Acq: 01 Feb 2019 14:40

Instrument :
MSVOA_X
ClientSampleId :
VX0201WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.2	37.6	56.4
71	45.1	34.6	51.8

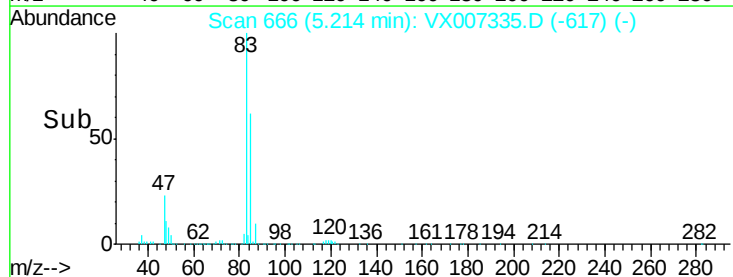
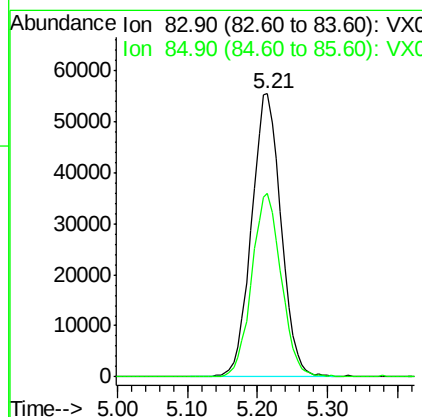
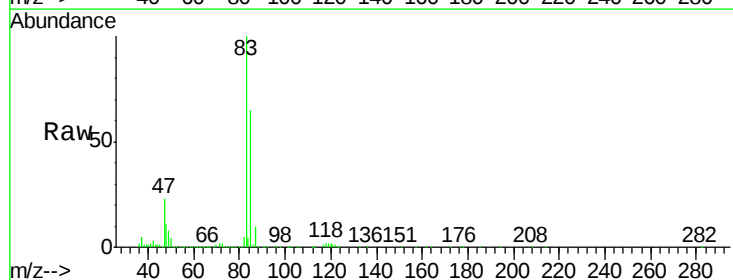
Manual Integrations
APPROVED

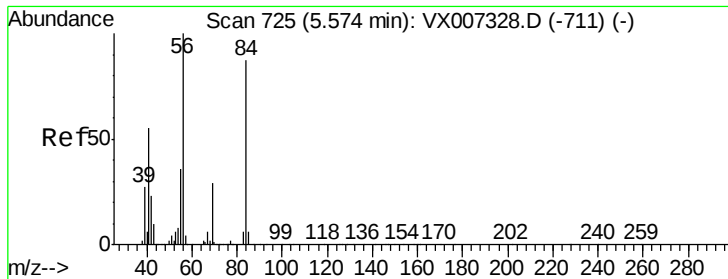
MMDadoda
2/4/2019 9:36:57 AM



#30
Chloroform
Concen: 18.880 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX007335.D
Acq: 01 Feb 2019 14:40

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	51.6	77.4





#31

Cyclohexane

Concen: 18.918 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.00 min

Lab File: VX007335.D

Acq: 01 Feb 2019 14:40

Instrument :

MSVOA_X

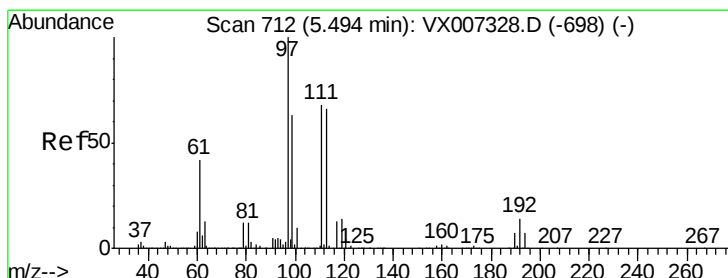
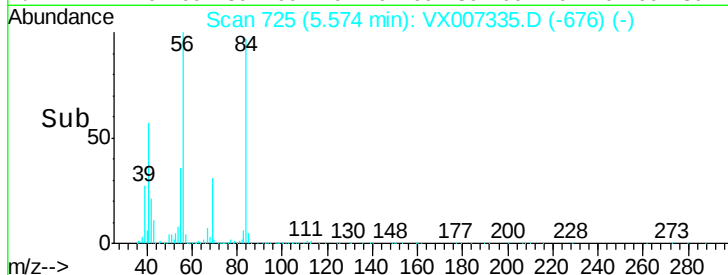
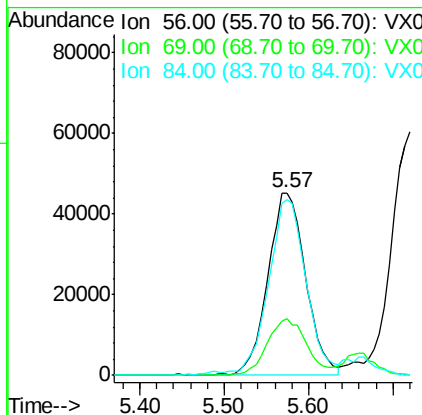
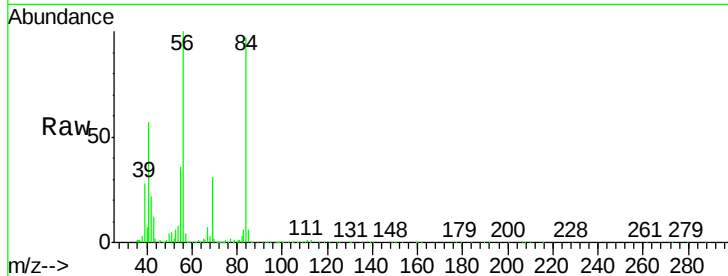
ClientSampleId :

VX0201WBS01

Tot Ion:	56	Resp:	140035
Ion Ratio		Lower	Upper
56	100		
69	31.3	23.0	34.6
84	96.0	69.8	104.6

Manual Integrations
APPROVED

MMDadoda
2/4/2019 9:36:57 AM



#32

1,1,1-Trichloroethane

Concen: 19.238 ug/l

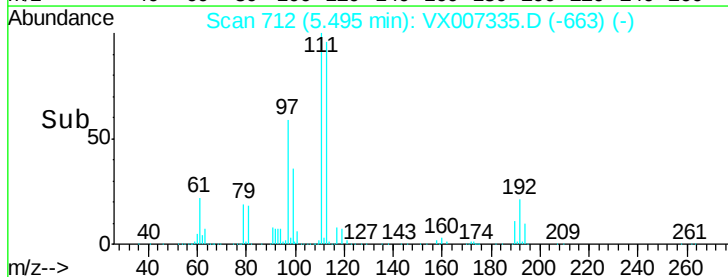
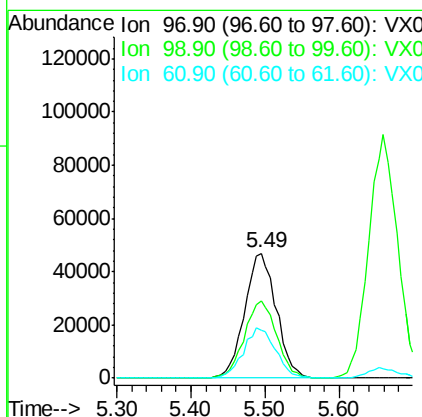
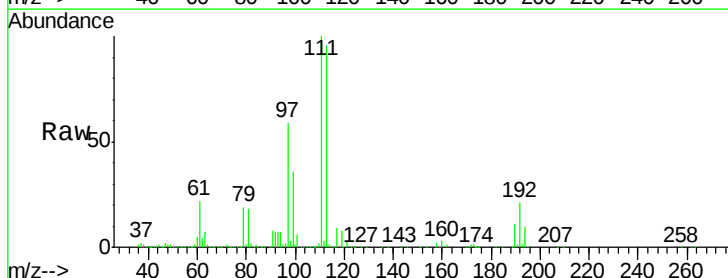
RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX007335.D

Acq: 01 Feb 2019 14:40

Tgt Ion:	97	Resp:	139657
Ion Ratio		Lower	Upper
97	100		
99	63.5	52.2	78.2
61	41.6	32.7	49.1





#33

1,2-Dichloroethane-d4

Concen: 47.070 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX007335.D

Acq: 01 Feb 2019 14:40

Instrument :

MSVOA_X

ClientSampleId :

VX0201WBS01

Tot Ion: 65 Resp: 250557

Ion Ratio Lower Upper

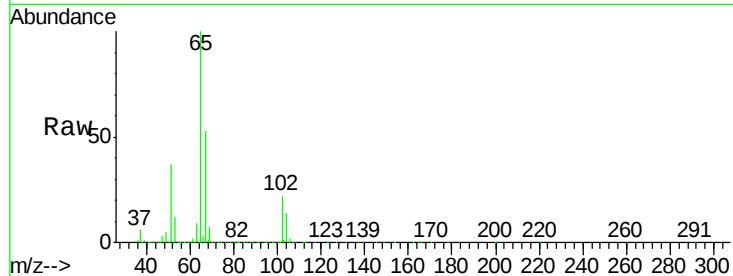
65 100

67 53.9 0.0 108.8

Manual Integrations
APPROVED

MMDadoda

2/4/2019 9:36:57 AM



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

100000

80000

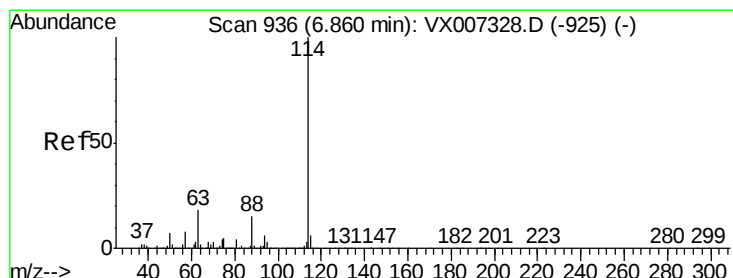
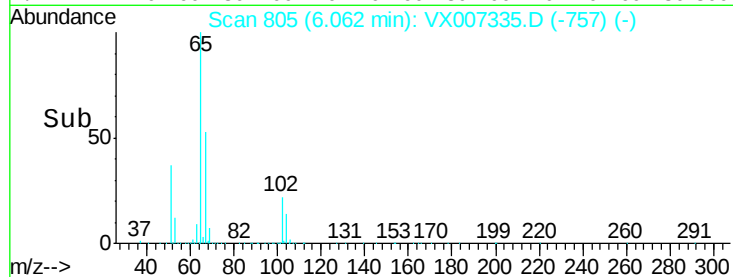
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX007335.D

Acq: 01 Feb 2019 14:40

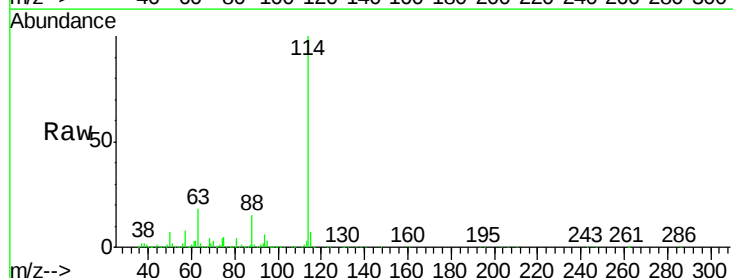
Tgt Ion: 114 Resp: 725534

Ion Ratio Lower Upper

114 100

63 18.2 0.0 35.6

88 14.8 0.0 29.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

400000

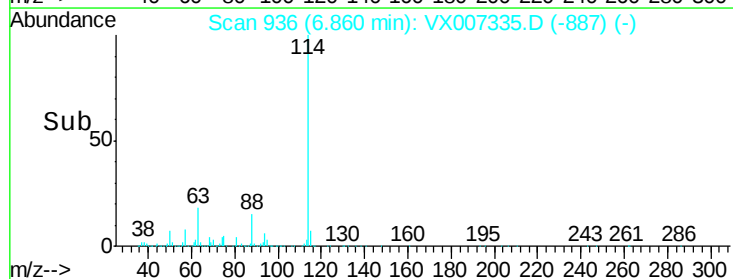
300000

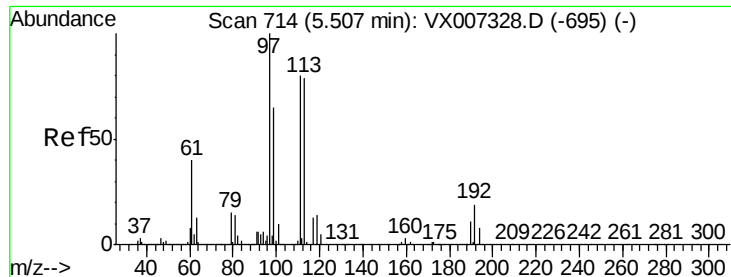
200000

100000

0

Time-->





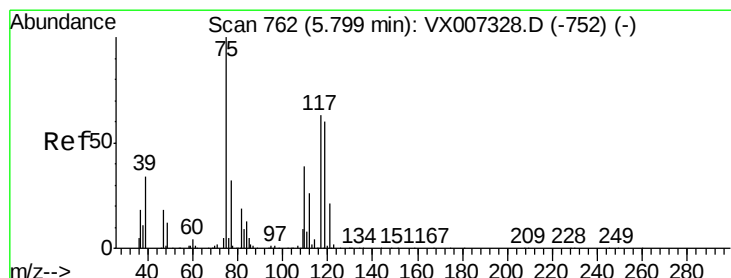
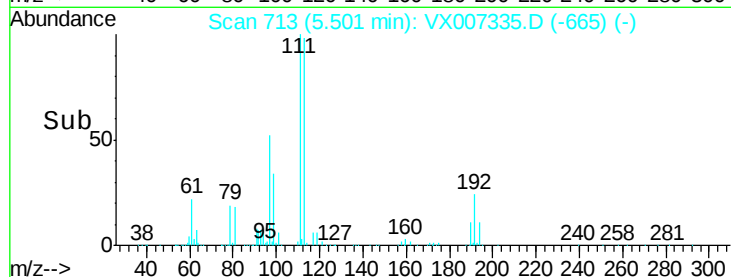
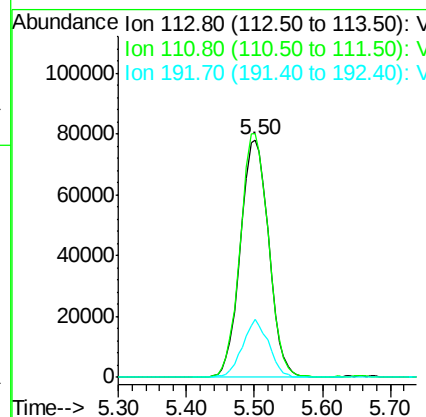
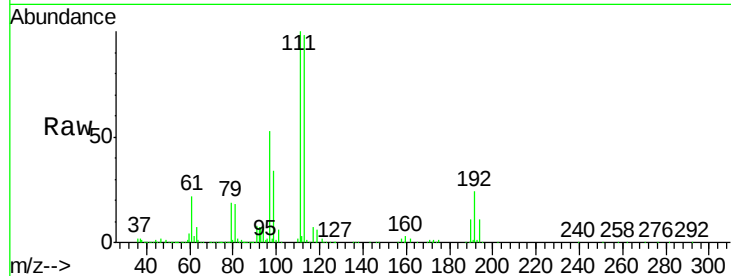
#35
 Dibromofluoromethane
 Concen: 48.179 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.01 min
 Lab File: VX007335.D
 Acq: 01 Feb 2019 14:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0201WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	227445		
111	101.7	81.8	122.8	
192	22.5	18.5	27.7	

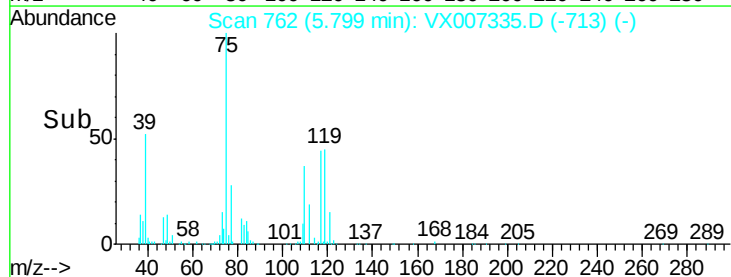
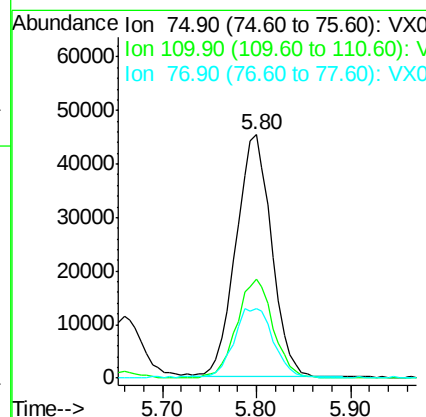
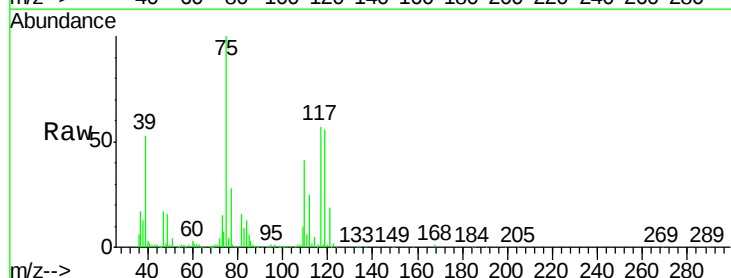
Manual Integrations
 APPROVED

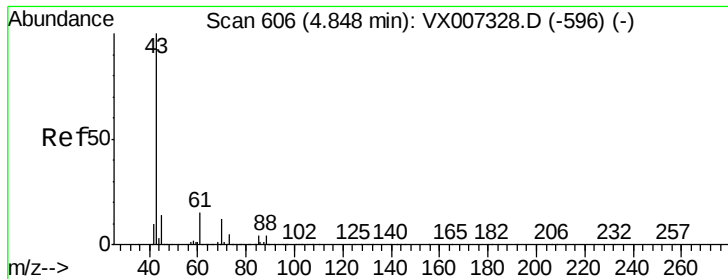
MMDadoda
 2/4/2019 9:36:57 AM



#36
 1,1-Dichloropropene
 Concen: 18.362 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VX007335.D
 Acq: 01 Feb 2019 14:40

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	119531		
110	41.3	20.0	59.9	
77	31.7	24.7	37.1	





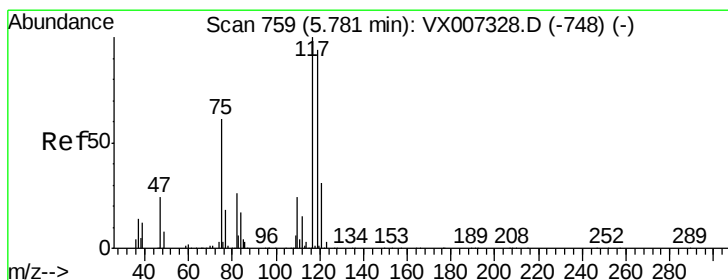
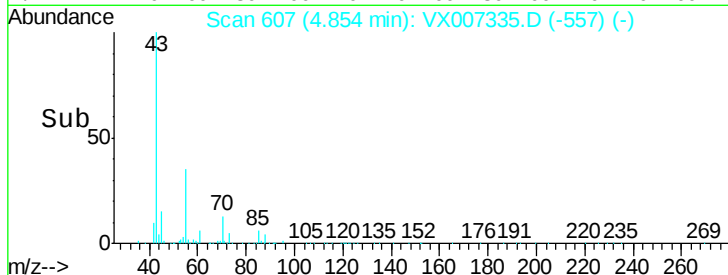
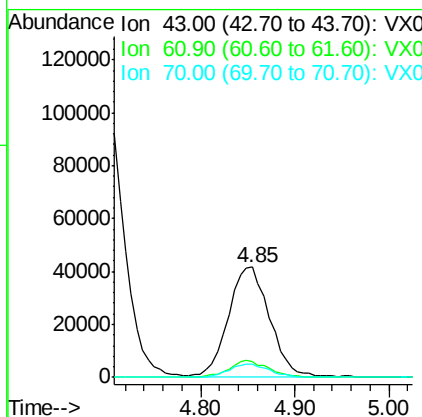
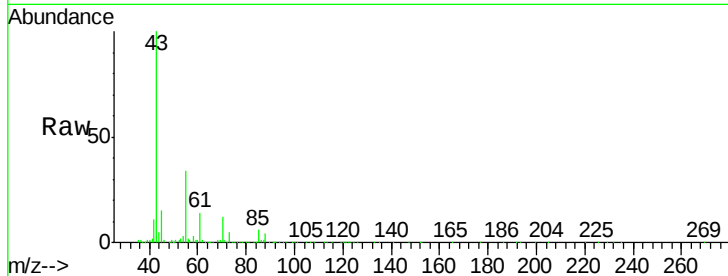
#37
Ethyl Acetate
Concen: 18.927 ug/l
RT: 4.85 min Scan# 607
Delta R.T. 0.01 min
Lab File: VX007335.D
Acq: 01 Feb 2019 14:40

Instrument :
MSVOA_X
ClientSampleId :
VX0201WBS01

Tot Ion:	43	Resp:	124552
Ion	Ratio	Lower	Upper
43	100		
61	15.1	11.3	16.9
70	11.8	8.6	13.0

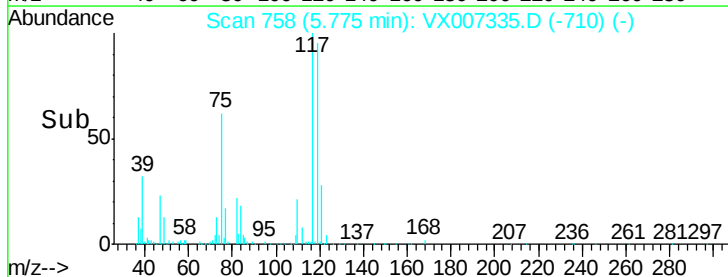
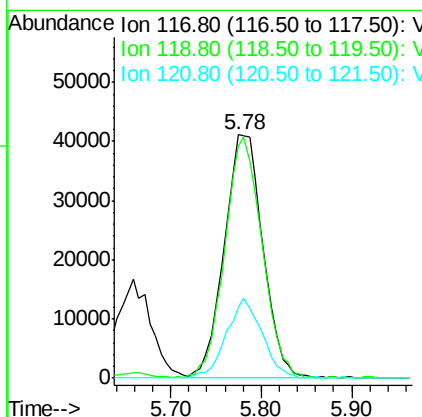
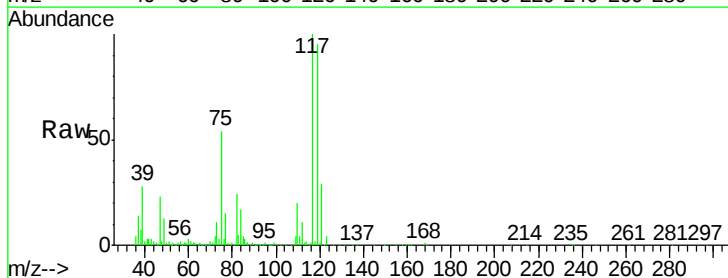
Manual Integrations
APPROVED

MMDadoda
2/4/2019 9:36:57 AM



#38
Carbon Tetrachloride
Concen: 19.356 ug/l
RT: 5.78 min Scan# 758
Delta R.T. -0.01 min
Lab File: VX007335.D
Acq: 01 Feb 2019 14:40

Tgt Ion:	117	Resp:	122246
Ion	Ratio	Lower	Upper
117	100		
119	95.1	75.3	112.9
121	28.6	25.0	37.4





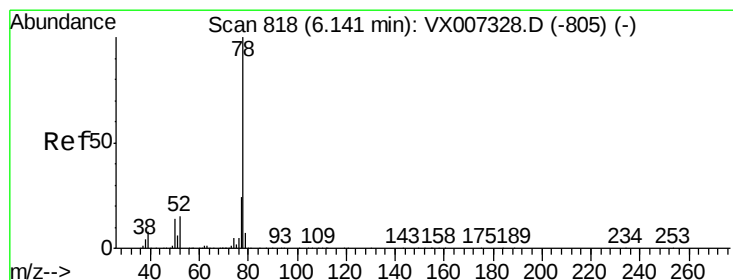
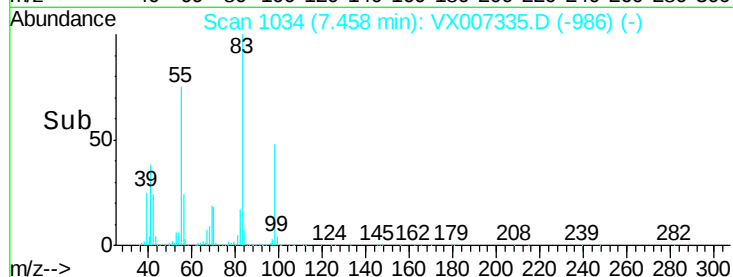
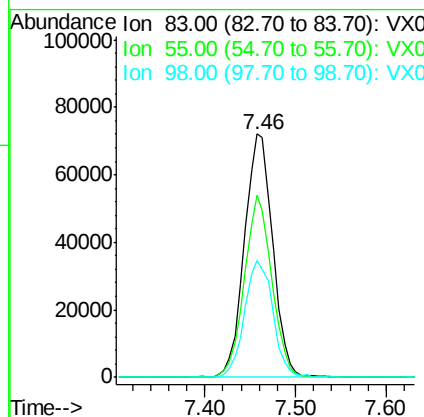
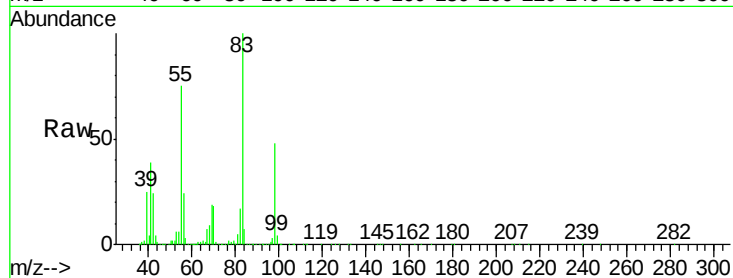
#39
Methvlcvclohexane
Concen: 19.809 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX007335.D
Acq: 01 Feb 2019 14:40

Instrument :
MSVOA_X
ClientSampleId :
VX0201WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	156017		
55	74.6		56.2	84.2
98	47.9		36.8	55.2

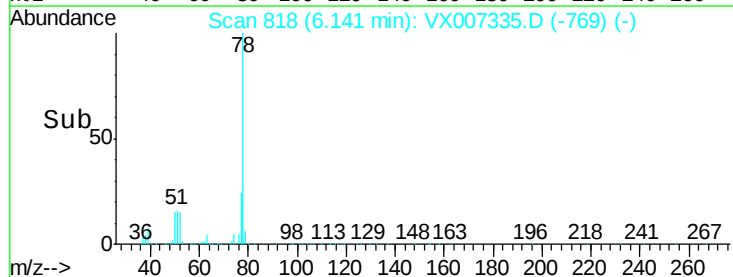
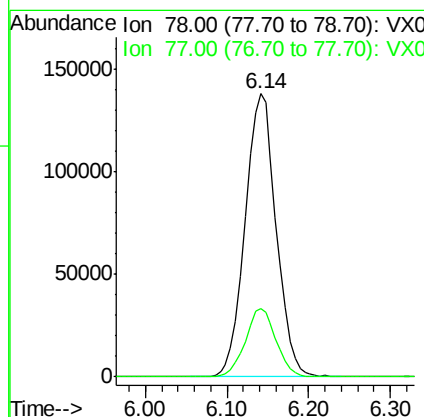
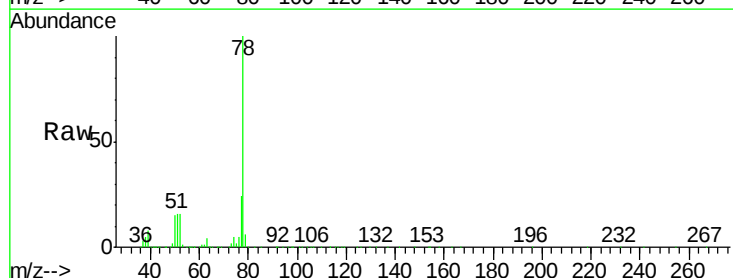
Manual Integrations
APPROVED

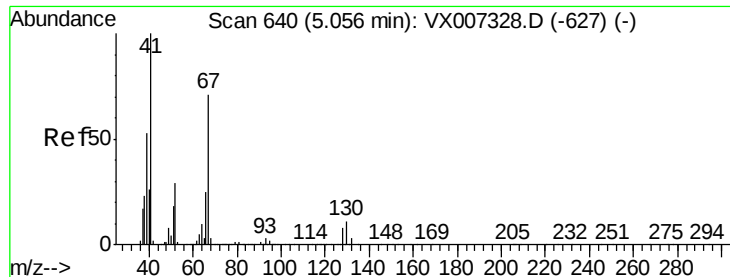
MMDadoda
2/4/2019 9:36:57 AM



#40
Benzene
Concen: 19.040 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX007335.D
Acq: 01 Feb 2019 14:40

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	365104		
77	24.1		19.3	28.9





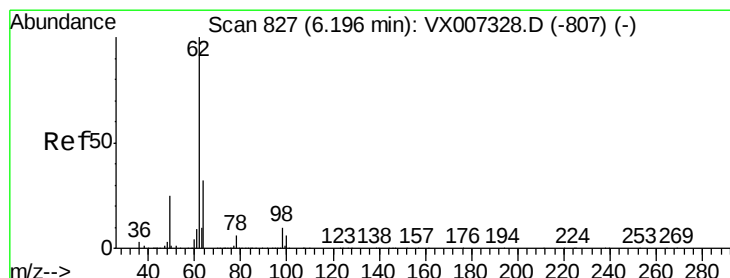
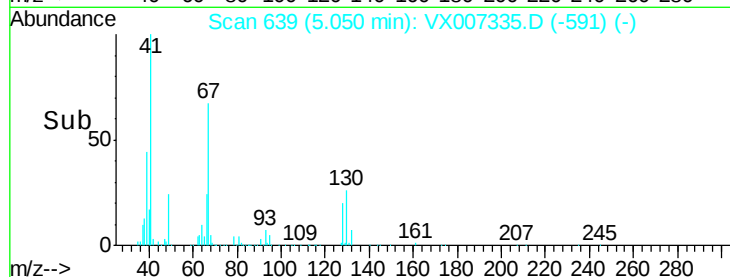
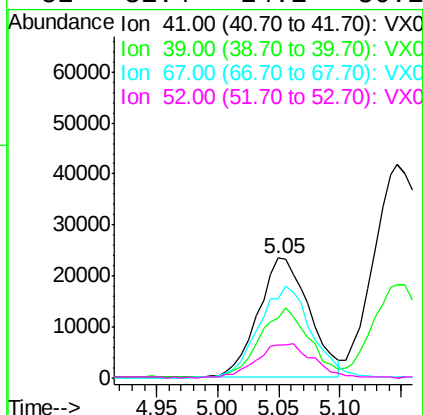
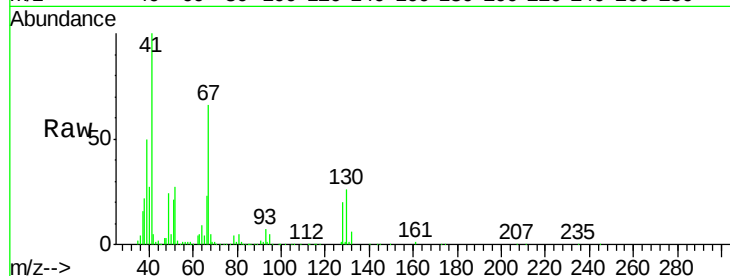
#41
Methacrylonitrile
Concen: 19.209 ug/l
RT: 5.05 min Scan# 639
Delta R.T. -0.01 min
Lab File: VX007335.D
Acq: 01 Feb 2019 14:40

Instrument :
MSVOA_X
ClientSampleId :
VX0201WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	56.3	44.5	66.7	
67	80.5	60.4	90.6	
52	31.4	24.1	36.1	

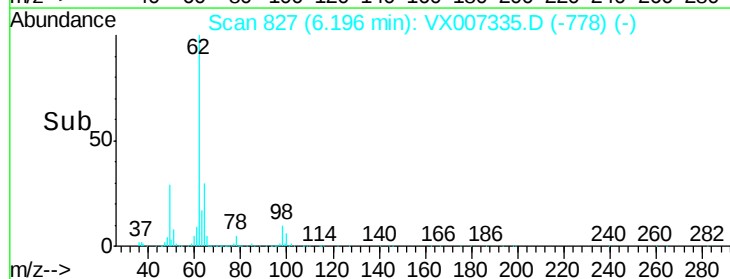
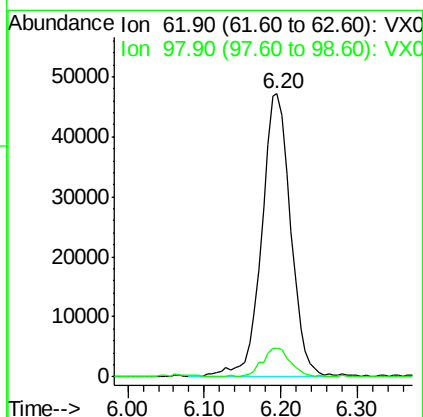
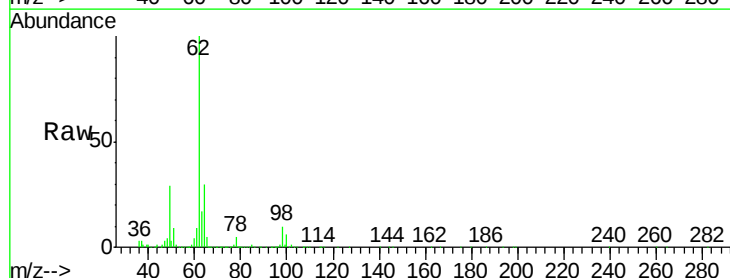
Manual Integrations
APPROVED

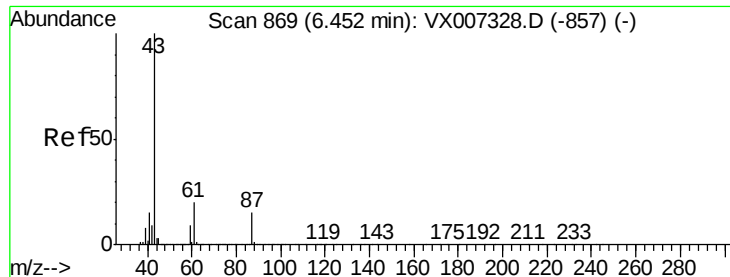
MMDadoda
2/4/2019 9:36:57 AM



#42
1,2-Dichloroethane
Concen: 18.644 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX007335.D
Acq: 01 Feb 2019 14:40

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.2	0.0	19.0	





#43

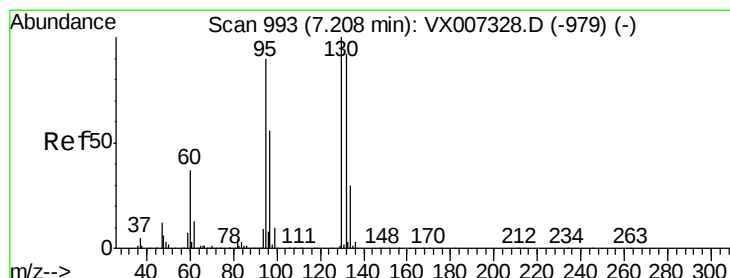
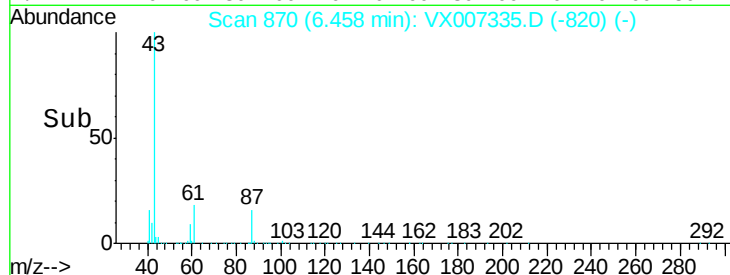
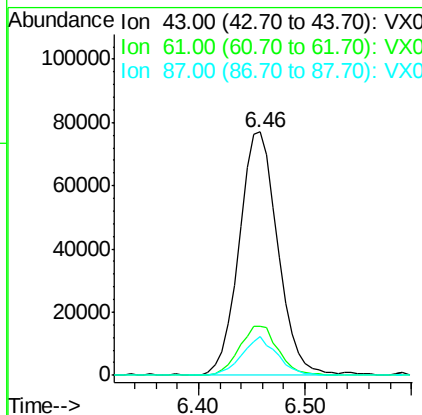
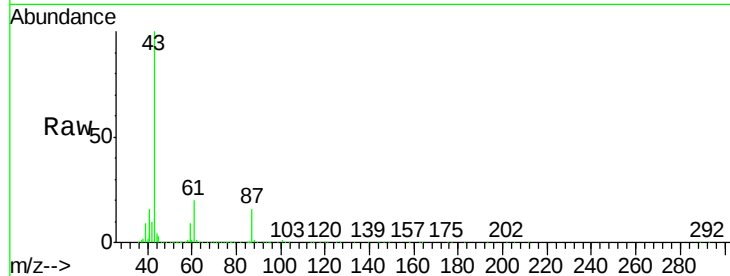
Isopropyl Acetate
 Concen: 19.141 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. 0.01 min
 Lab File: VX007335.D
 Acq: 01 Feb 2019 14:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0201WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.8	16.1	24.1
87	14.8	11.5	17.3

Manual Integrations
 APPROVED

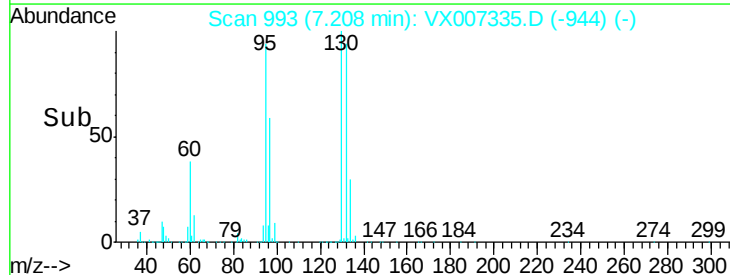
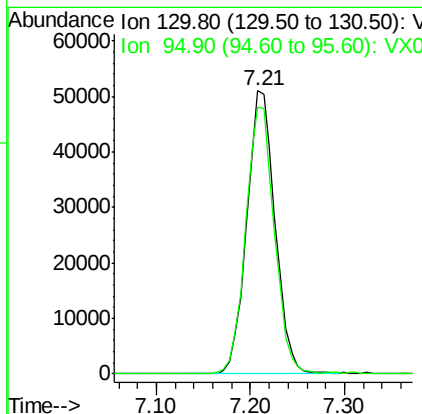
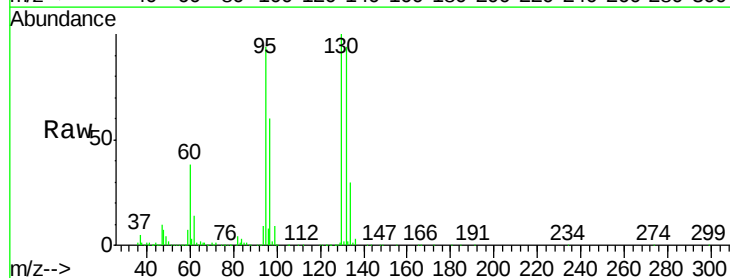
MMDadoda
 2/4/2019 9:36:57 AM

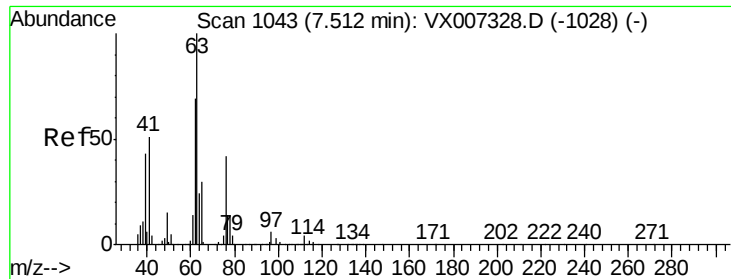


#44

Trichloroethene
 Concen: 18.648 ug/l
 RT: 7.21 min Scan# 993
 Delta R.T. 0.00 min
 Lab File: VX007335.D
 Acq: 01 Feb 2019 14:40

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.2	0.0	180.0





#45

1,2-Dichloropropane

Concen: 19.235 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX007335.D

Acq: 01 Feb 2019 14:40

Tot Ion: 63 Resp: 92415

Ion Ratio Lower Upper

63 100

65 28.2 24.2 36.2

Instrument :

MSVOA_X

ClientSampled :

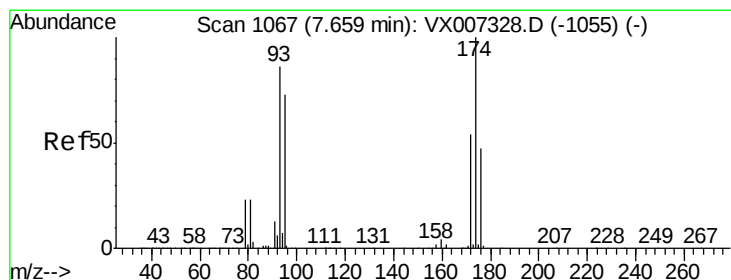
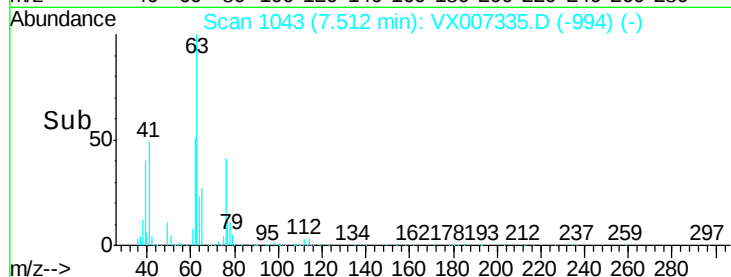
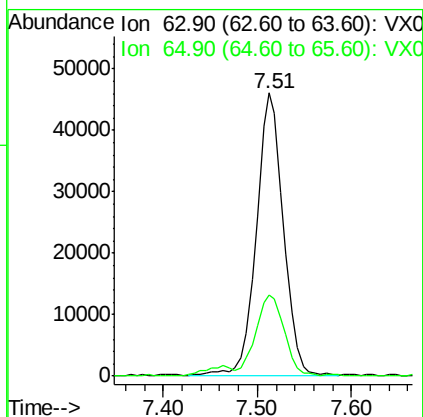
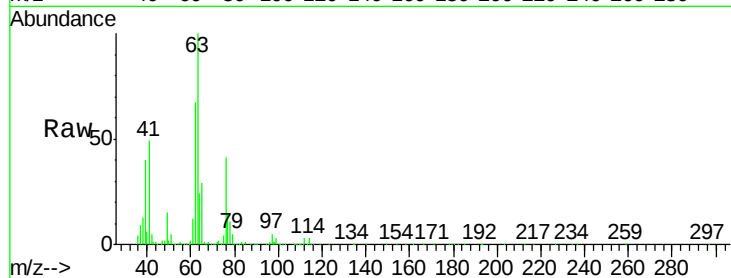
VX0201WBS01

Manual Integrations

APPROVED

MMDadoda

2/4/2019 9:36:57 AM



#46

Dibromomethane

Concen: 18.566 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.01 min

Lab File: VX007335.D

Acq: 01 Feb 2019 14:40

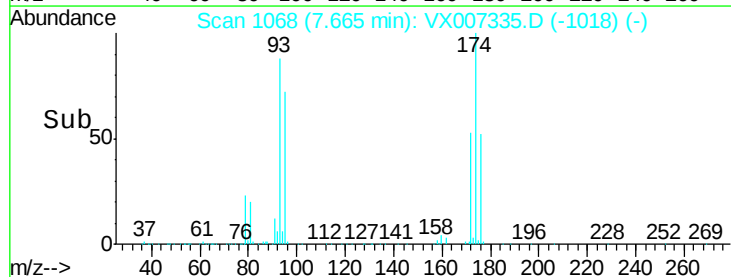
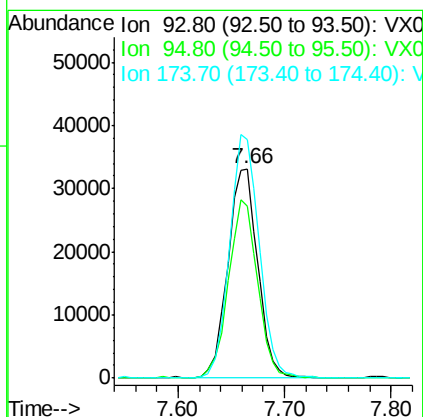
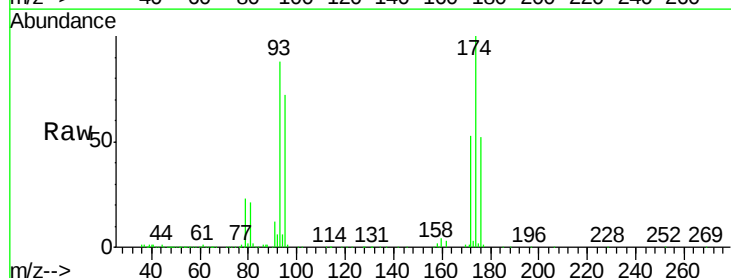
Tgt Ion: 93 Resp: 64831

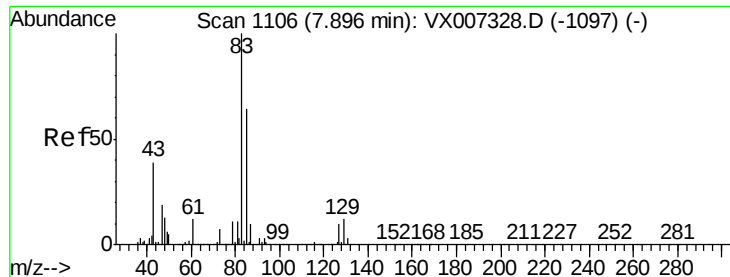
Ion Ratio Lower Upper

93 100

95 83.6 67.6 101.4

174 116.2 94.2 141.4





#47

Bromodichloromethane

Concen: 18.460 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX007335.D

Acq: 01 Feb 2019 14:40

Instrument :

MSVOA_X

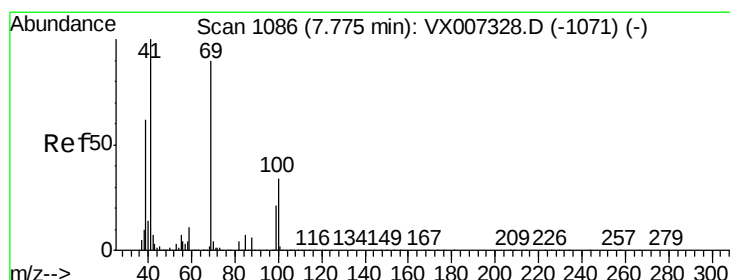
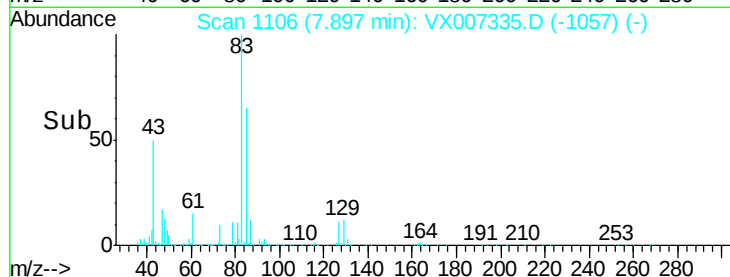
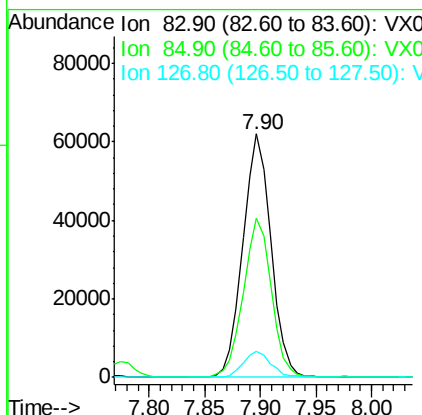
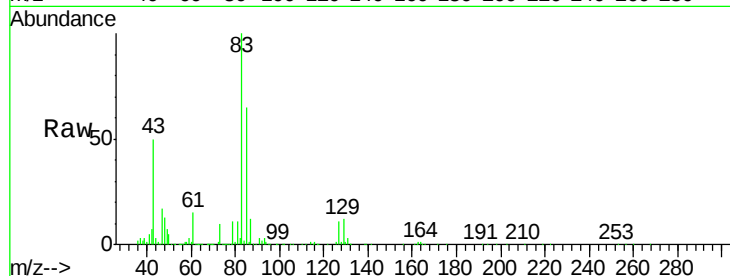
ClientSampleId :

VX0201WBS01

Tot Ion:	83	Resp:	109248
Ion Ratio	Lower	Upper	
83	100		
85	65.2	51.4	77.0
127	10.7	8.1	12.1

Manual Integrations
APPROVED

MMDadoda
2/4/2019 9:36:57 AM



#48

Methyl methacrylate

Concen: 19.957 ug/l

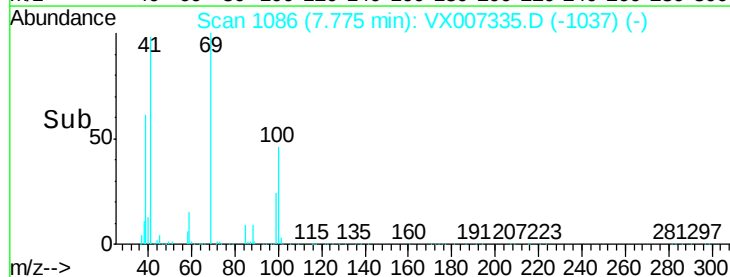
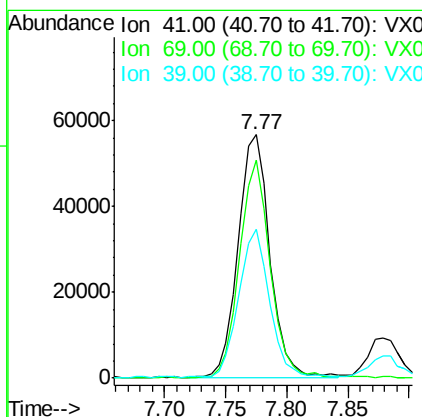
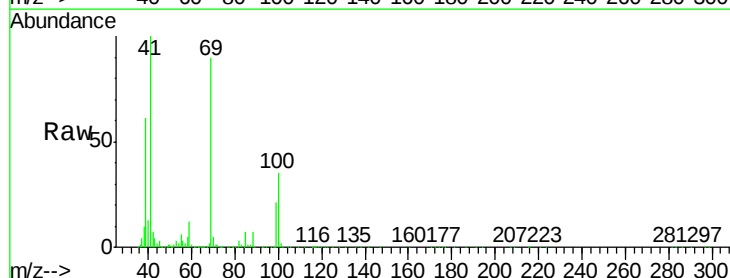
RT: 7.77 min Scan# 1086

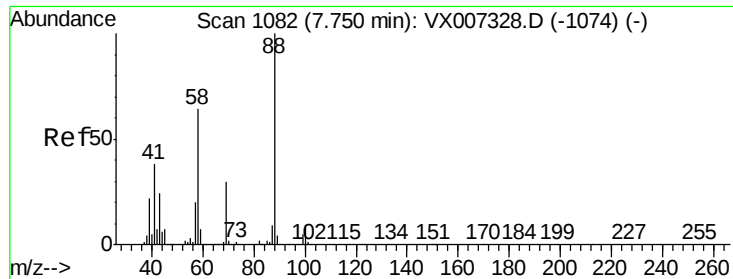
Delta R.T. 0.00 min

Lab File: VX007335.D

Acq: 01 Feb 2019 14:40

Tgt Ion:	41	Resp:	101395
Ion Ratio	Lower	Upper	
41	100		
69	86.9	70.2	105.4
39	60.4	47.4	71.0





#49

1,4-Dioxane

Concen: 440.126 ug/l

RT: 7.74 min Scan# 1081

Delta R.T. -0.01 min

Lab File: VX007335.D

Acq: 01 Feb 2019 14:40

Instrument :

MSVOA_X

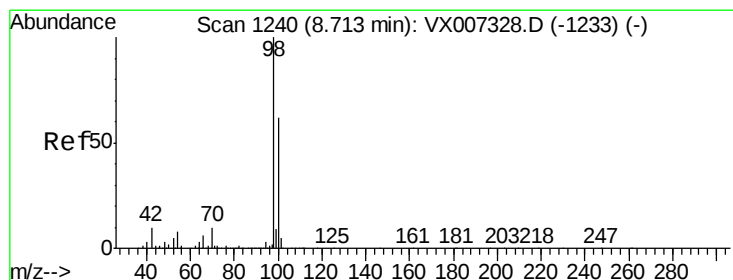
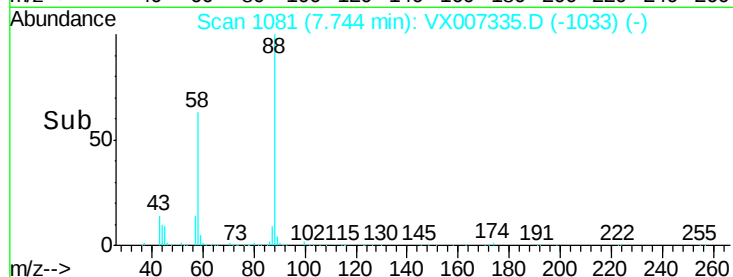
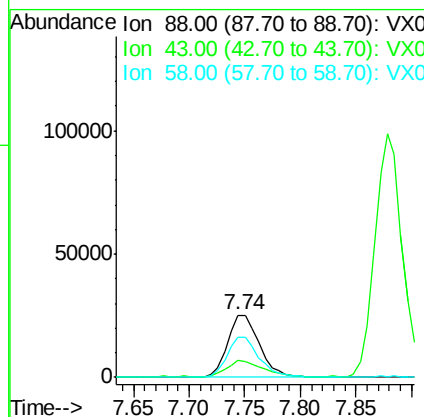
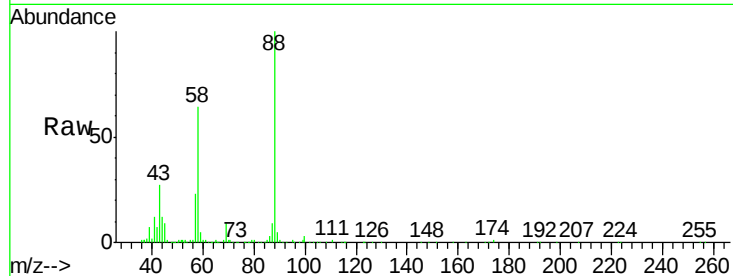
ClientSampleId :

VX0201WBS01

Tot Ion:	88	Resp:	50405
Ion	Ratio	Lower	Upper
88	100		
43	30.2	24.2	36.4
58	65.6	53.0	79.4

Manual Integrations
APPROVED

MMDadoda
2/4/2019 9:36:57 AM



#50

Toluene-d8

Concen: 49.252 ug/l

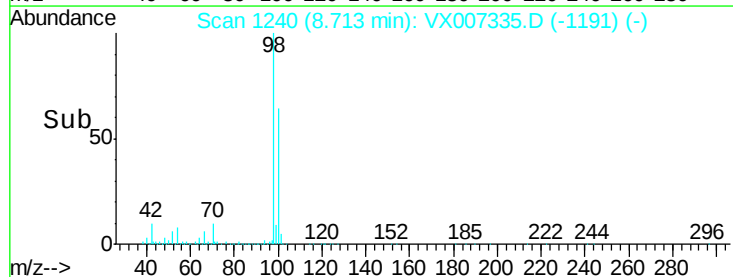
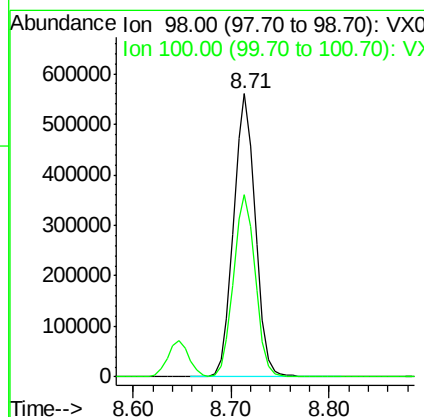
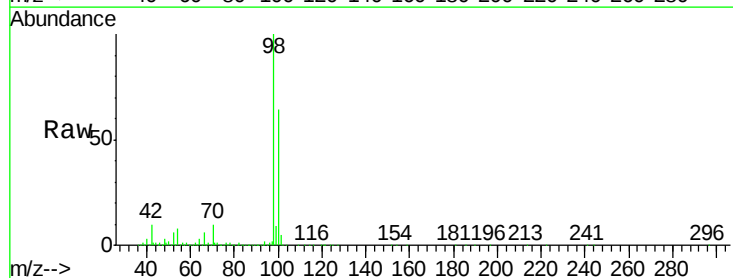
RT: 8.71 min Scan# 1240

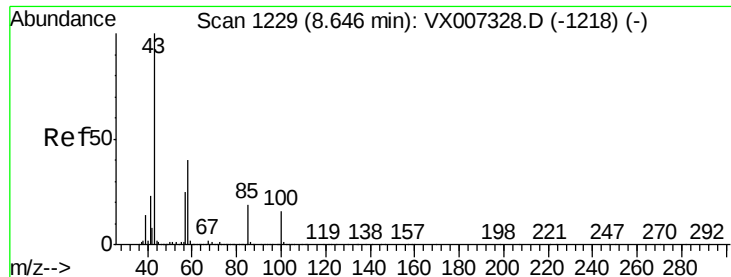
Delta R.T. 0.00 min

Lab File: VX007335.D

Acq: 01 Feb 2019 14:40

Tgt Ion:	98	Resp:	862640
Ion	Ratio	Lower	Upper
98	100		
100	64.7	51.6	77.4





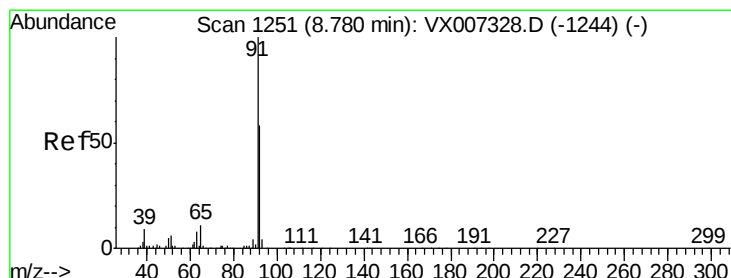
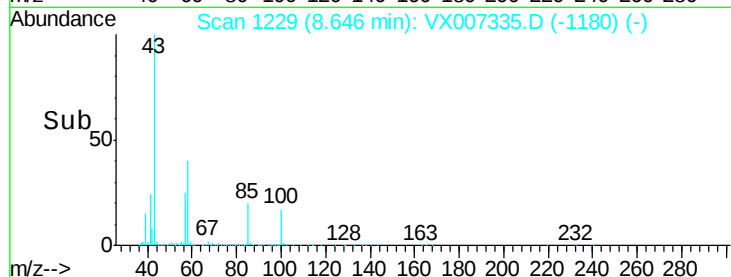
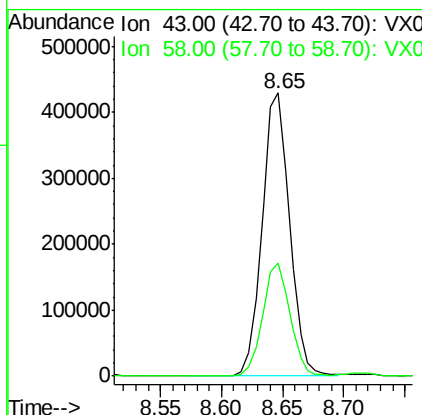
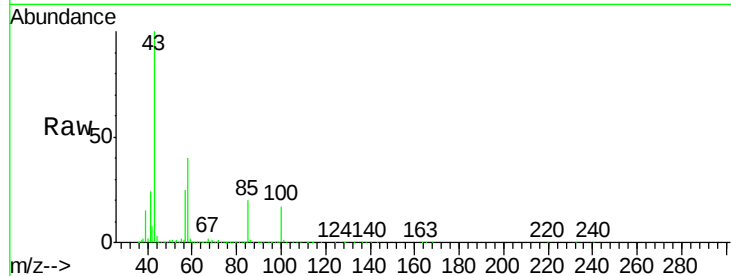
#51
4-Methyl-2-Pentanone
Concen: 100.449 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. 0.00 min
Lab File: VX007335.D
Acq: 01 Feb 2019 14:40

Instrument :
MSVOA_X
ClientSampleId :
VX0201WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.6	31.2	46.8

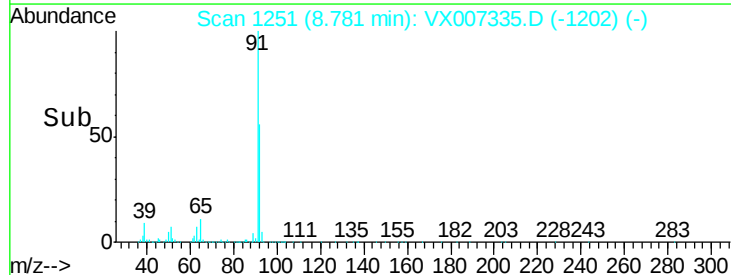
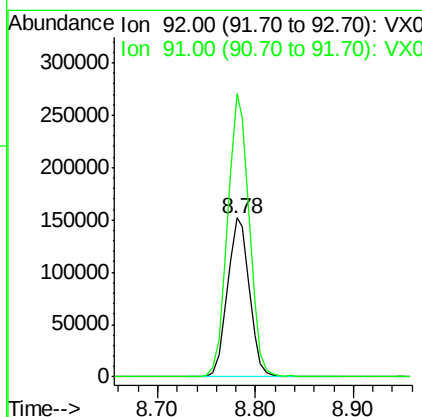
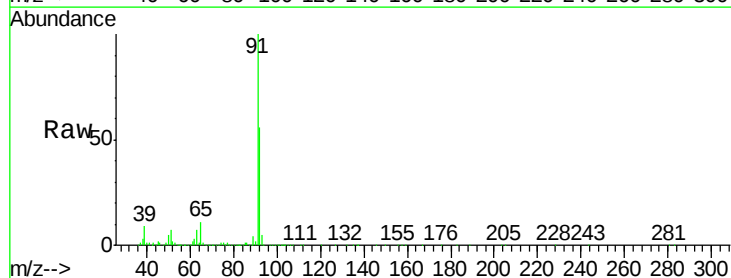
Manual Integrations
APPROVED

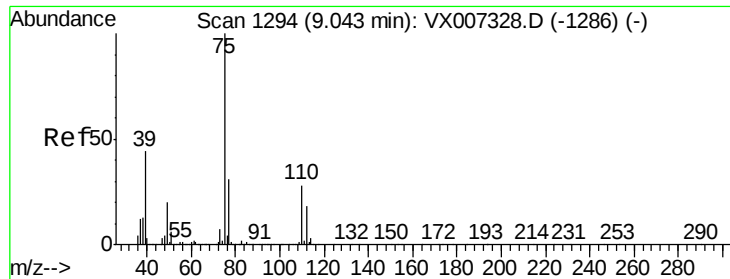
MMDadoda
2/4/2019 9:36:57 AM



#52
Toluene
Concen: 19.153 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VX007335.D
Acq: 01 Feb 2019 14:40

Tgt Ion	Ratio	Lower	Upper
92	100		
91	174.5	139.1	208.7





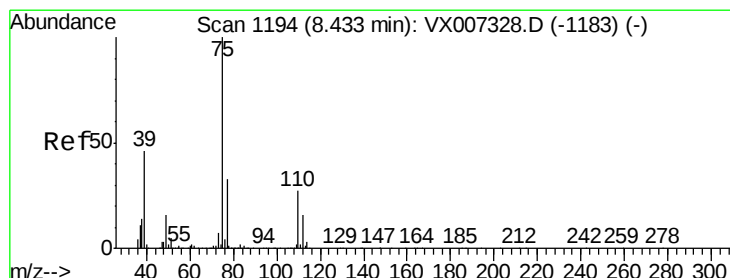
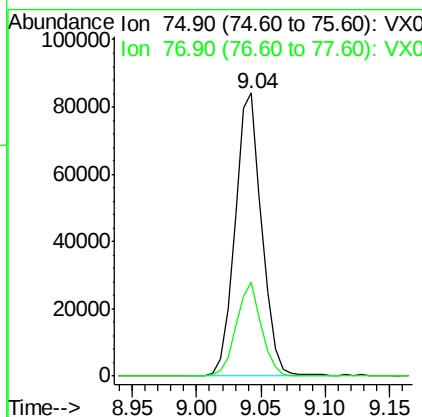
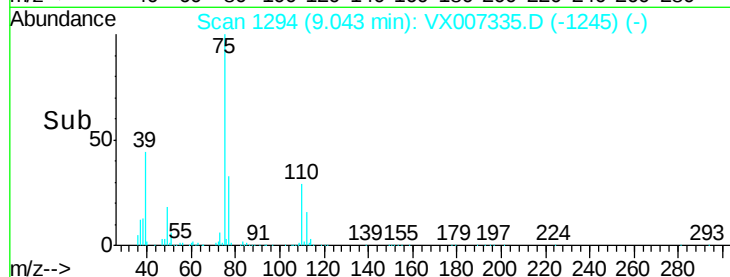
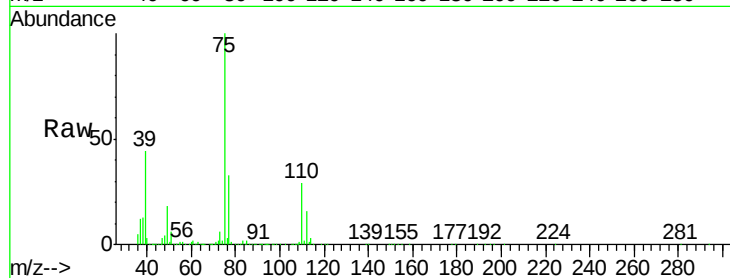
#53
t-1,3-Dichloropropene
Concen: 18.982 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX007335.D
Acq: 01 Feb 2019 14:40

Instrument :
MSVOA_X
ClientSampleId :
VX0201WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.9	25.2	37.8

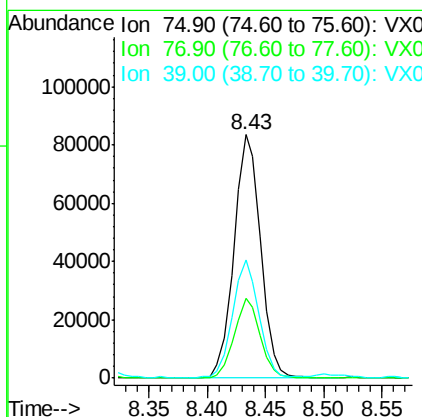
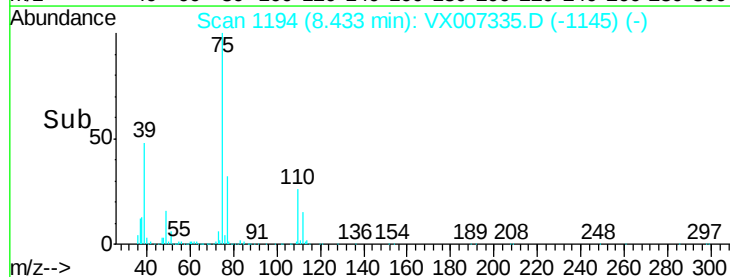
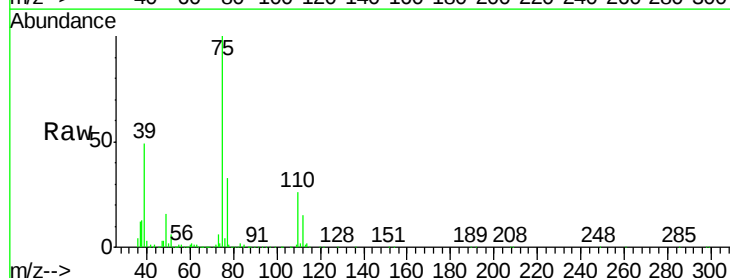
Manual Integrations
APPROVED

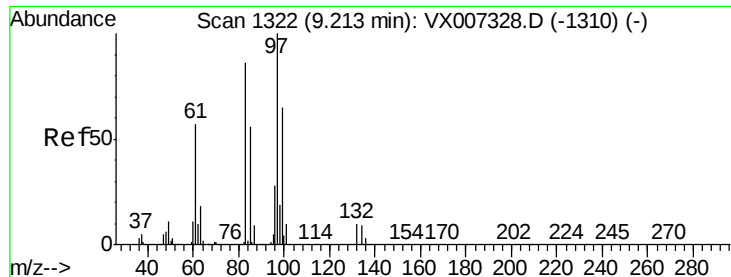
MMDadoda
2/4/2019 9:36:57 AM



#54
cis-1,3-Dichloropropene
Concen: 19.086 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX007335.D
Acq: 01 Feb 2019 14:40

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.5	26.2	39.4
39	48.3	37.1	55.7





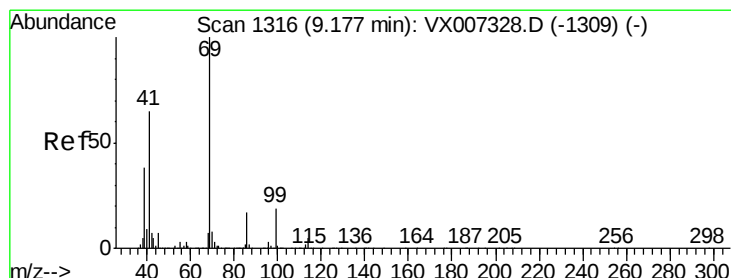
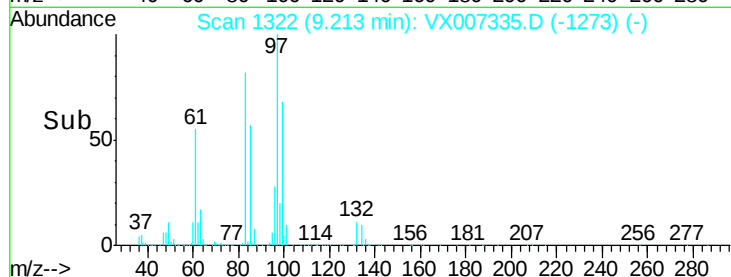
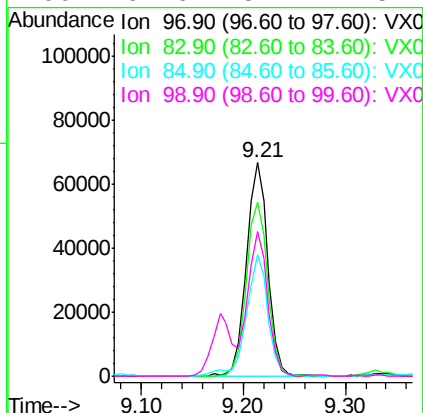
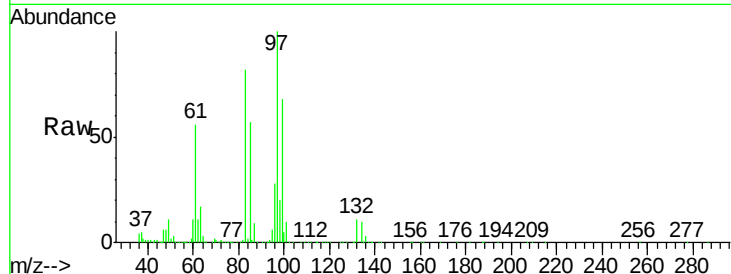
#55
 1,1,2-Trichloroethane
 Concen: 18.918 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX007335.D
 Acq: 01 Feb 2019 14:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0201WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		97562		
83	81.8	68.6	102.8		
85	56.7	44.5	66.7		
99	67.6	52.2	78.4		

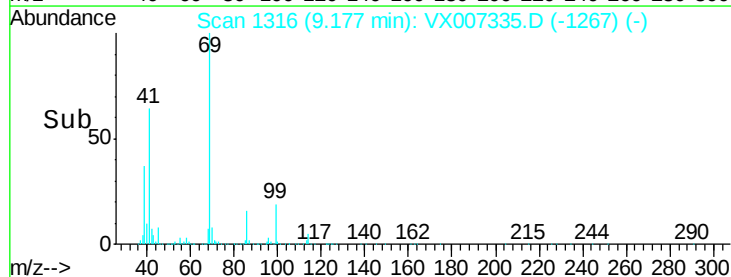
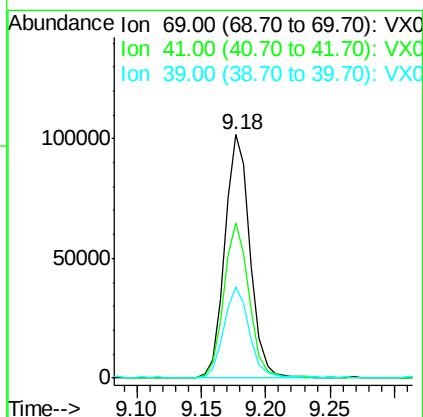
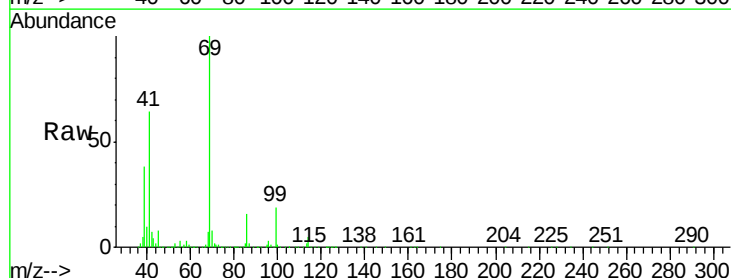
Manual Integrations
 APPROVED

MMDadoda
 2/4/2019 9:36:57 AM



#56
 Ethyl methacrylate
 Concen: 19.592 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX007335.D
 Acq: 01 Feb 2019 14:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		139945		
41	63.5	52.1	78.1		
39	37.3	30.1	45.1		





#57

1,3-Dichloropropane

Concen: 19.029 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX007335.D

Acq: 01 Feb 2019 14:40

Instrument :

MSVOA_X

ClientSampleId :

VX0201WBS01

Tot Ion: 76 Resp: 156066

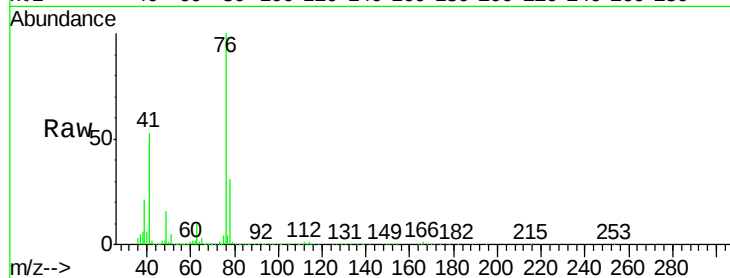
Ion Ratio Lower Upper

76 100

78 31.7 25.8 38.8

Manual Integrations
APPROVED

MMDadoda
2/4/2019 9:36:57 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

120000

100000

80000

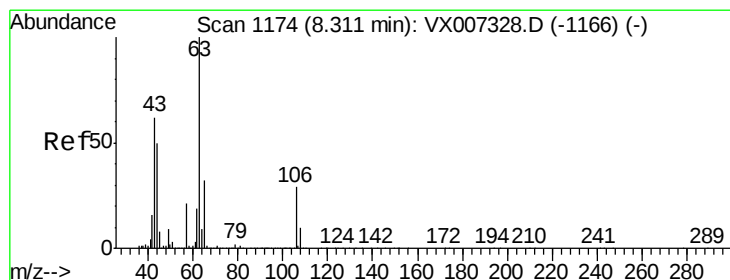
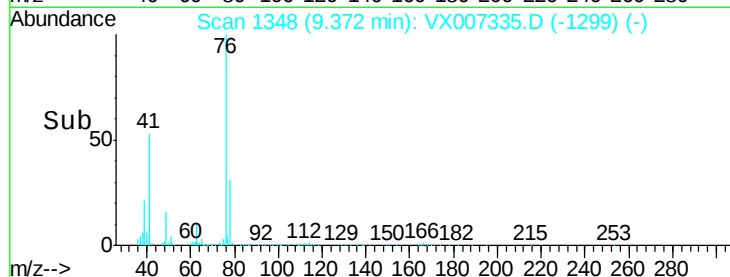
60000

40000

20000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 98.754 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX007335.D

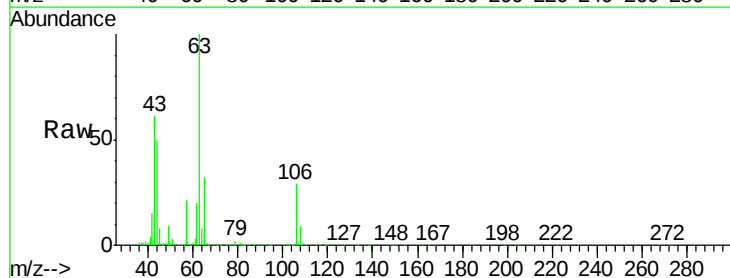
Acq: 01 Feb 2019 14:40

Tgt Ion: 63 Resp: 371793

Ion Ratio Lower Upper

63 100

106 29.5 23.6 35.4



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.31

250000

200000

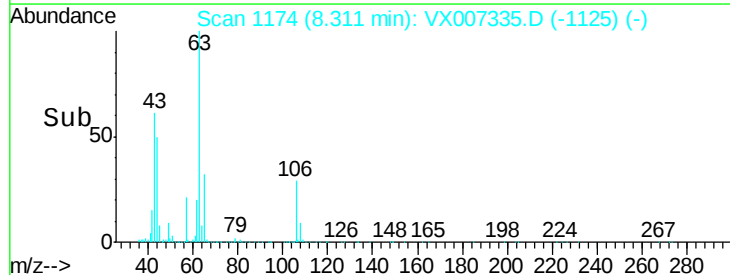
150000

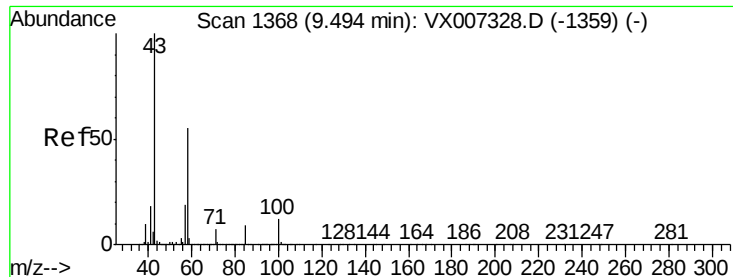
100000

50000

0

Time-->





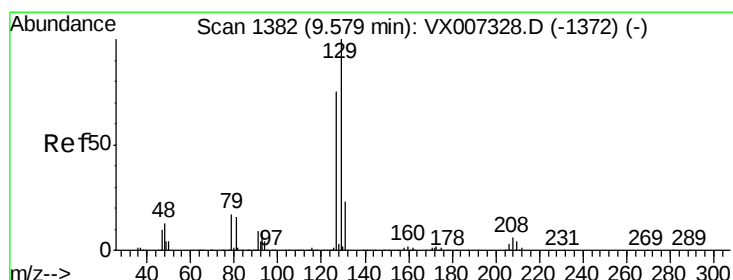
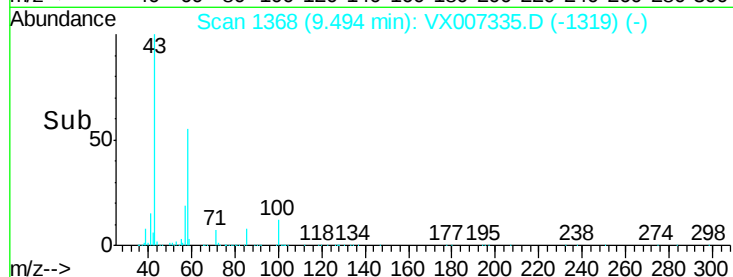
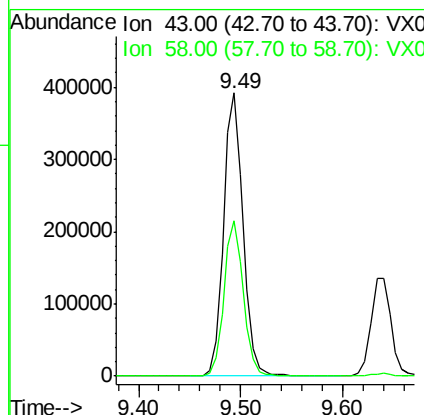
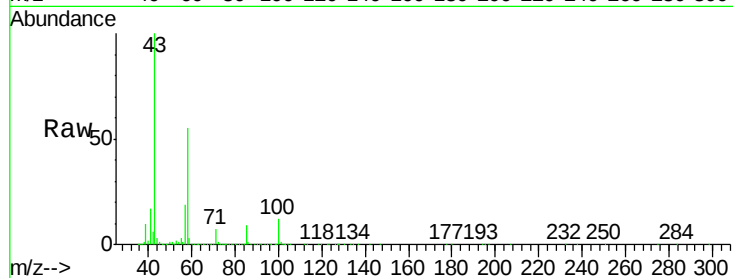
#59
2-Hexanone
Concen: 100.140 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX007335.D
Acq: 01 Feb 2019 14:40

Instrument :
MSVOA_X
ClientSampleId :
VX0201WBS01

Tot Ion: 43 Resp: 521055
Ion Ratio Lower Upper
43 100
58 54.4 27.1 81.3

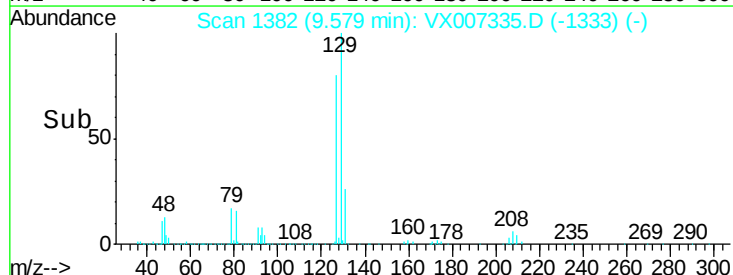
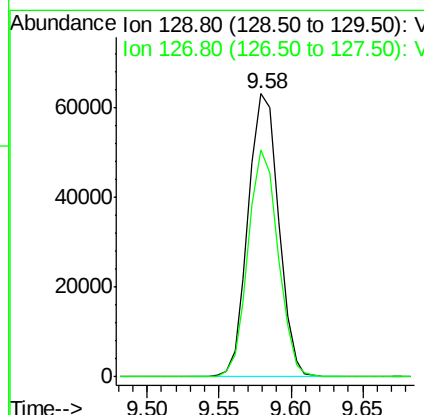
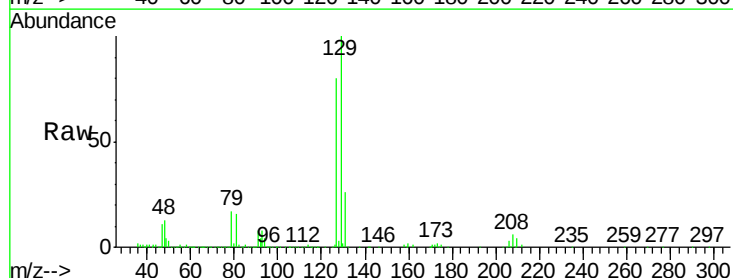
Manual Integrations
APPROVED

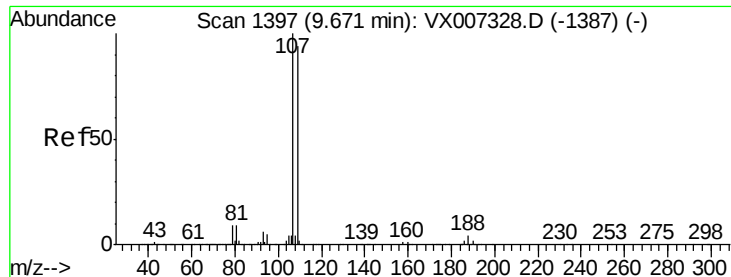
MMDadoda
2/4/2019 9:36:57 AM



#60
Dibromochloromethane
Concen: 19.028 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX007335.D
Acq: 01 Feb 2019 14:40

Tgt Ion: 129 Resp: 92808
Ion Ratio Lower Upper
129 100
127 78.7 37.8 113.4





#61

1,2-Dibromoethane

Concen: 18.849 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX007335.D

Acq: 01 Feb 2019 14:40

Instrument :

MSVOA_X

ClientSampleId :

VX0201WBS01

Tot Ion: 107 Resp: 102947

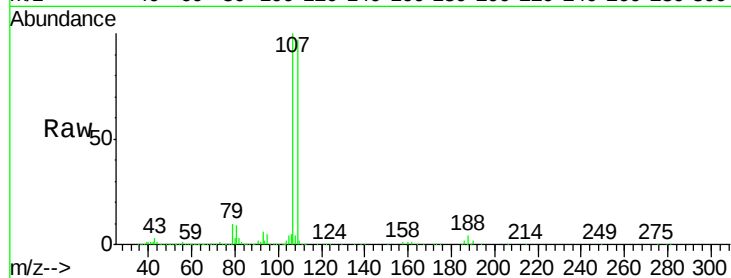
Ion Ratio Lower Upper

107 100

109 95.9 75.1 112.7

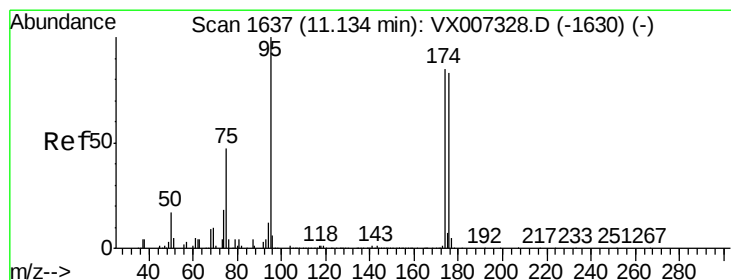
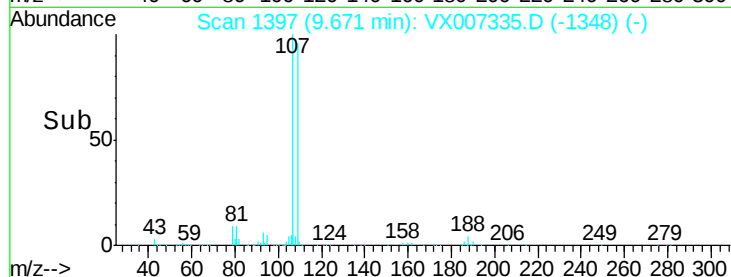
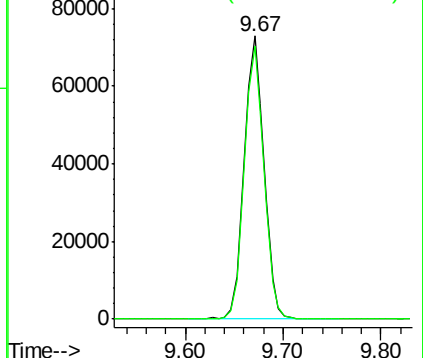
Manual Integrations
APPROVED

MMDadoda
2/4/2019 9:36:57 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.926 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007335.D

Acq: 01 Feb 2019 14:40

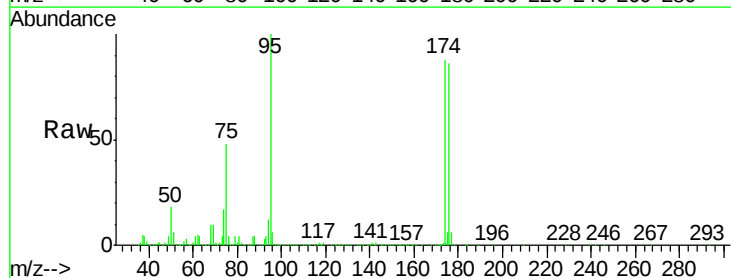
Tgt Ion: 95 Resp: 319265

Ion Ratio Lower Upper

95 100

174 93.8 0.0 189.2

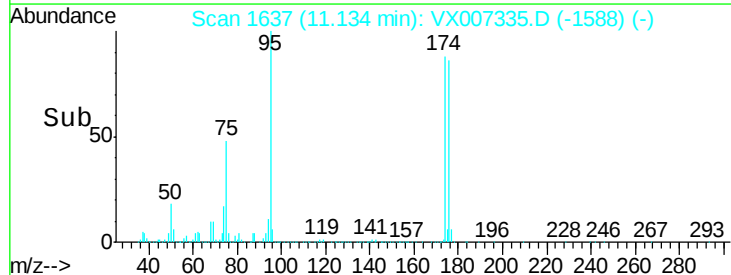
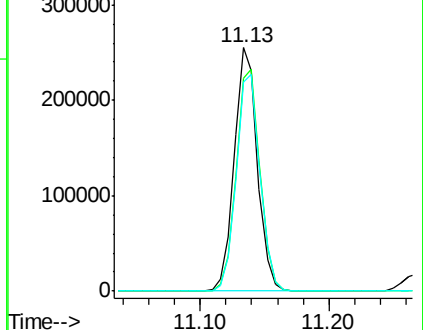
176 91.4 0.0 186.2

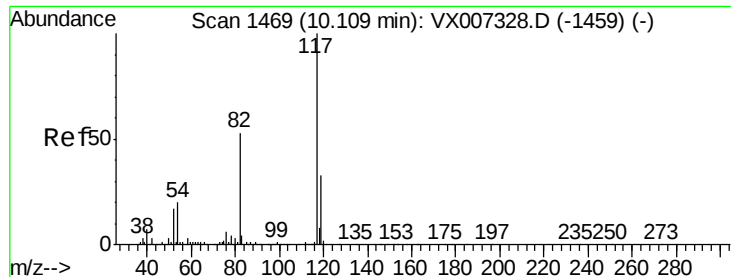


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





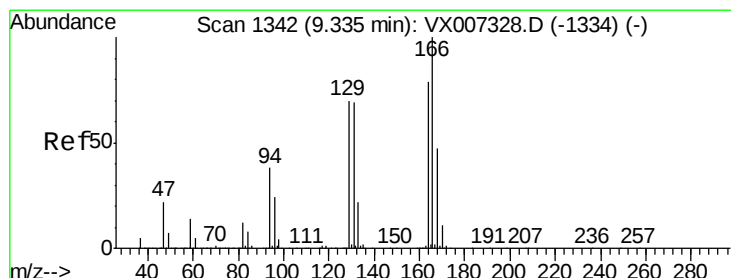
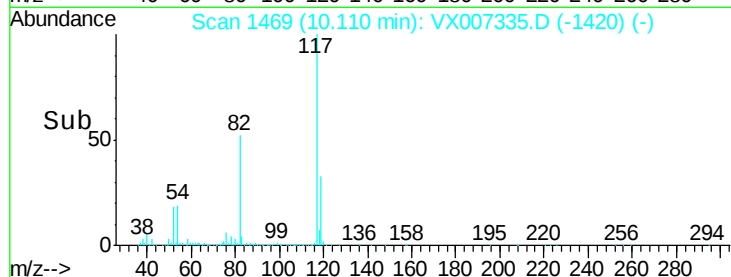
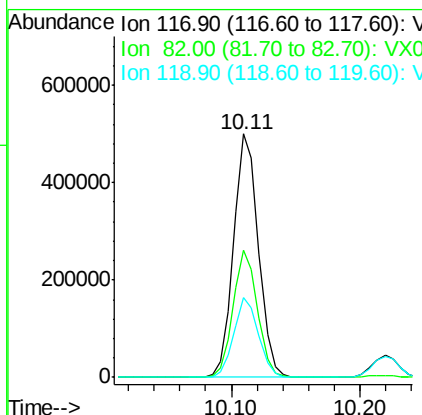
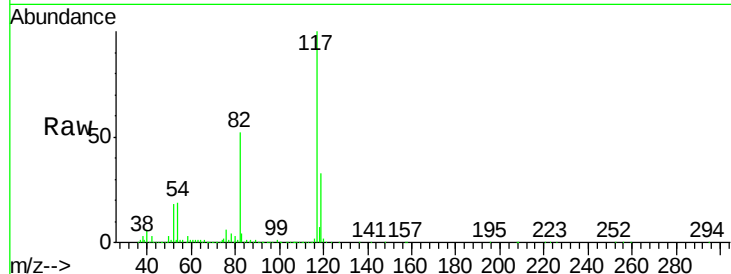
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX007335.D
Acq: 01 Feb 2019 14:40

Instrument :
MSVOA_X
ClientSampleId :
VX0201WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	674375		
82	52.1		42.1	63.1
119	33.0		26.5	39.7

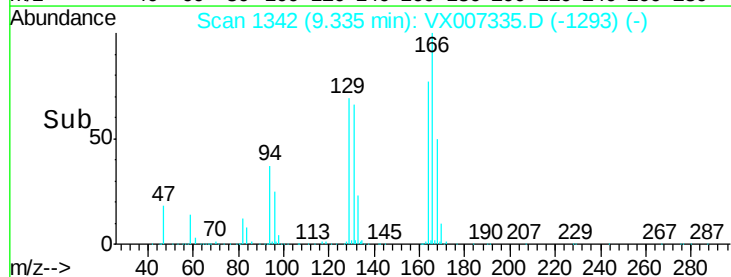
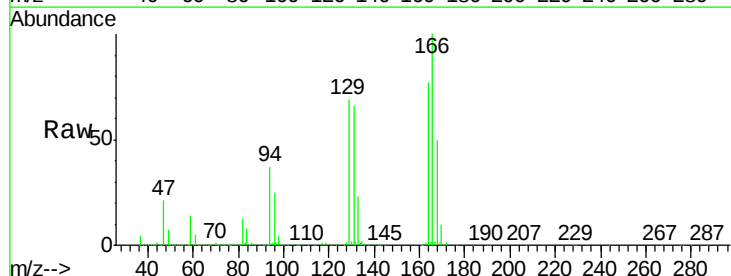
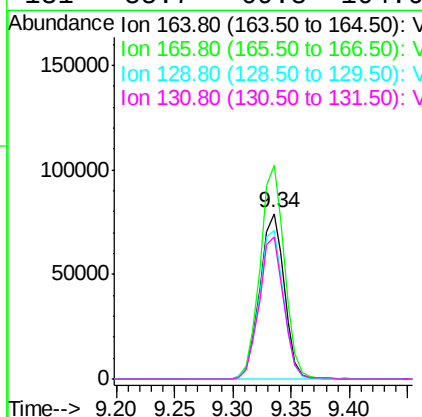
Manual Integrations
APPROVED

MMDadoda
2/4/2019 9:36:57 AM



#64
Tetrachloroethene
Concen: 18.239 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX007335.D
Acq: 01 Feb 2019 14:40

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	115931		
166	129.3		101.0	151.4
129	89.7		70.5	105.7
131	85.7		69.8	104.6





#65

Chlorobenzene

Concen: 18.925 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.01 min

Lab File: VX007335.D

Acq: 01 Feb 2019 14:40

Instrument :

MSVOA_X

ClientSampleId :

VX0201WBS01

Tot Ion:112 Resp: 278505

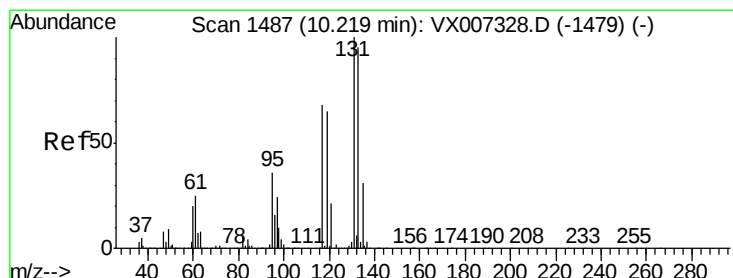
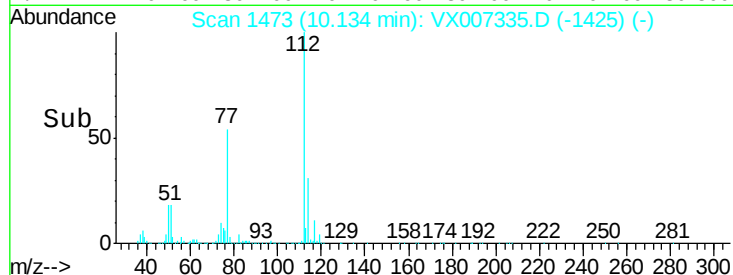
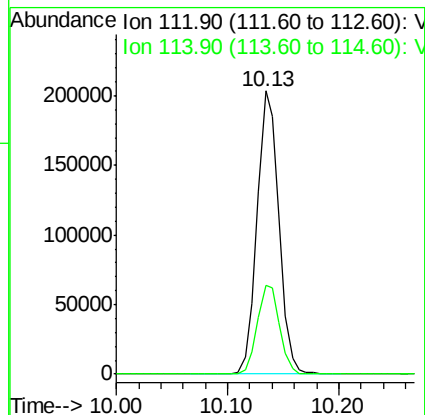
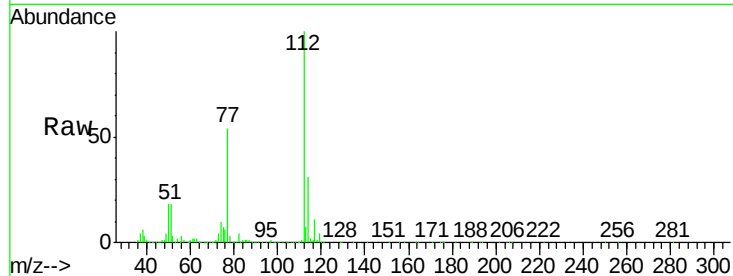
Ion Ratio Lower Upper

112 100

114 31.5 25.8 38.6

Manual Integrations
APPROVED

MMDadoda
2/4/2019 9:36:57 AM



#66

1,1,1,2-Tetrachloroethane

Concen: 19.042 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX007335.D

Acq: 01 Feb 2019 14:40

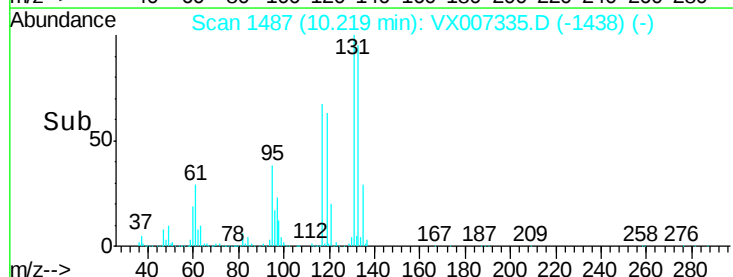
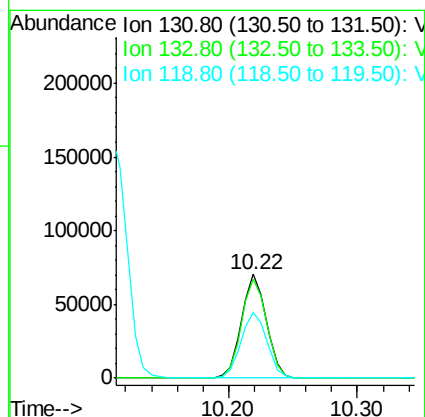
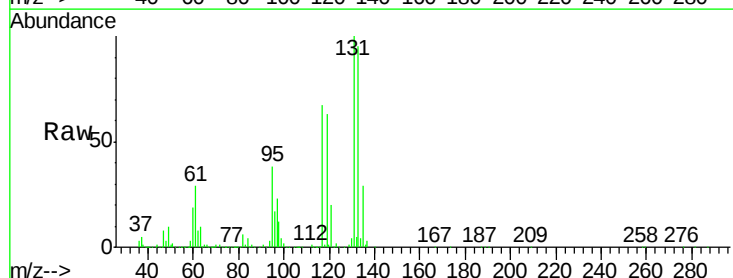
Tgt Ion:131 Resp: 93952

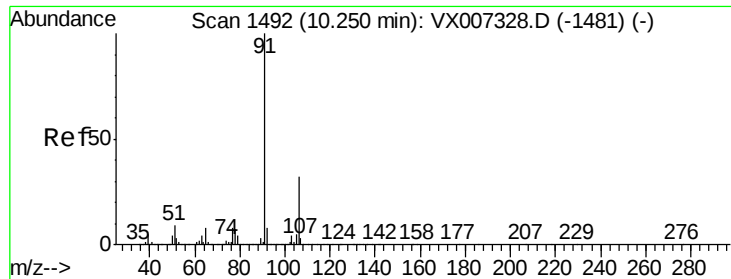
Ion Ratio Lower Upper

131 100

133 96.5 48.0 144.2

119 65.4 32.0 96.0





#67

Ethyl Benzene

Concen: 19.474 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX007335.D

Acq: 01 Feb 2019 14:40

Instrument :

MSVOA_X

ClientSampleId :

VX0201WBS01

Tot Ion: 91 Resp: 461497

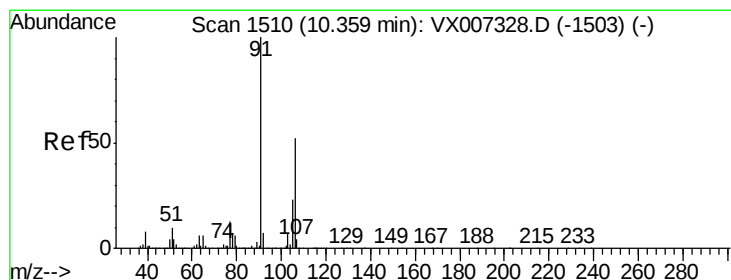
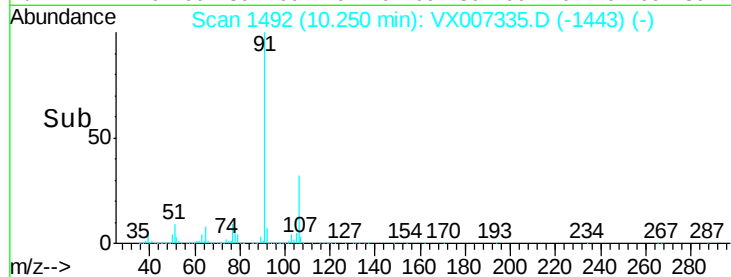
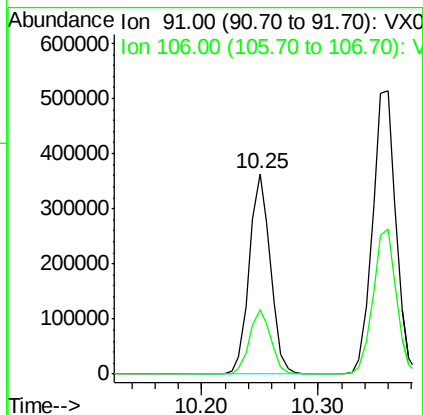
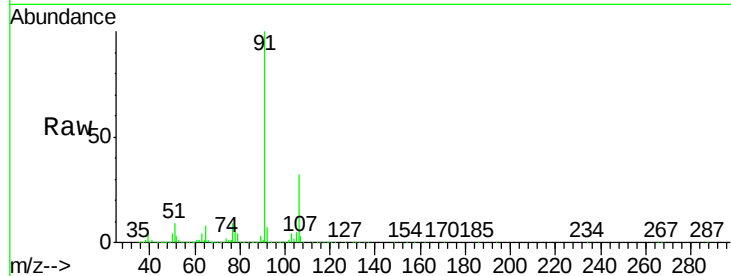
Ion Ratio Lower Upper

91 100

106 32.0 25.4 38.0

Manual Integrations
APPROVED

MMDadoda
2/4/2019 9:36:57 AM



#68

m/p-Xylenes

Concen: 38.754 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX007335.D

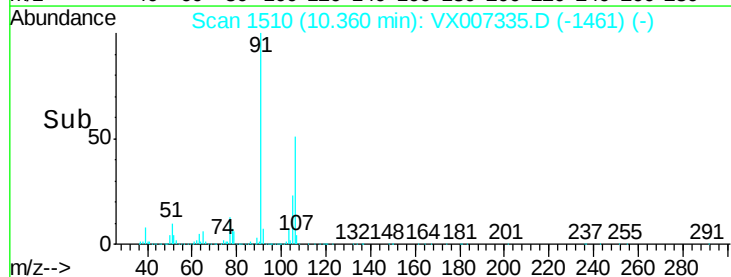
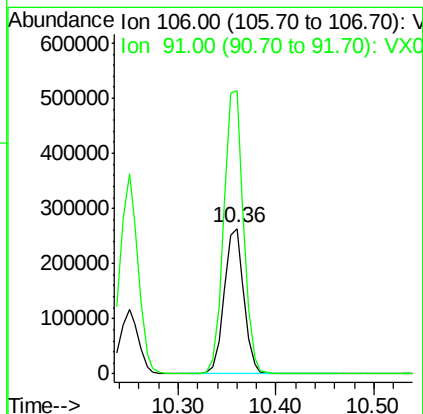
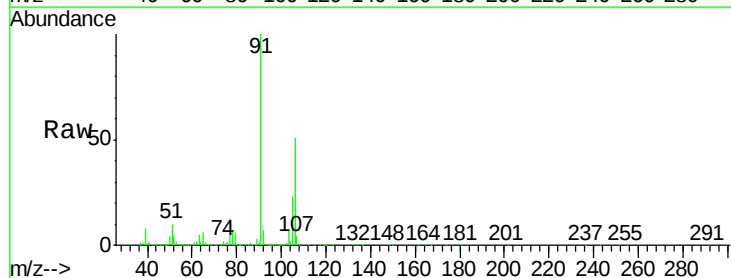
Acq: 01 Feb 2019 14:40

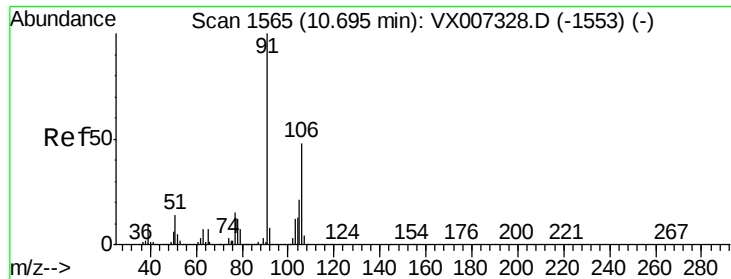
Tgt Ion: 106 Resp: 365082

Ion Ratio Lower Upper

106 100

91 195.9 156.6 234.8





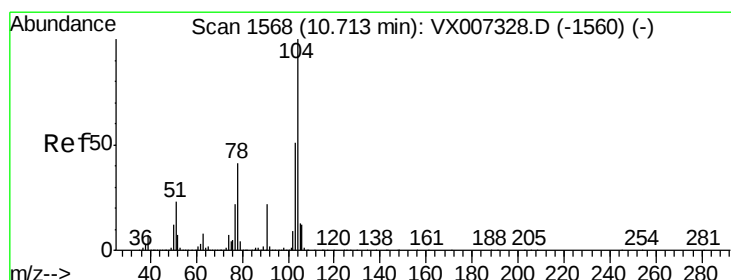
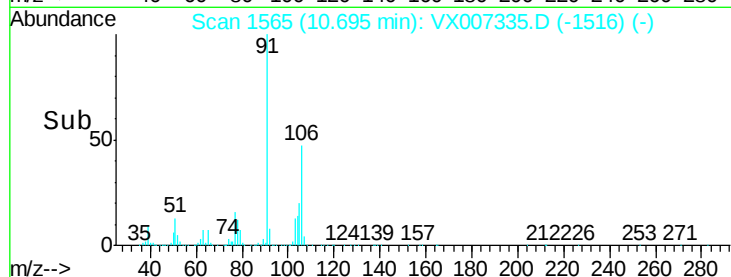
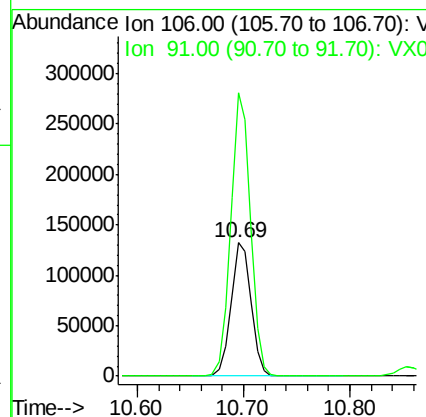
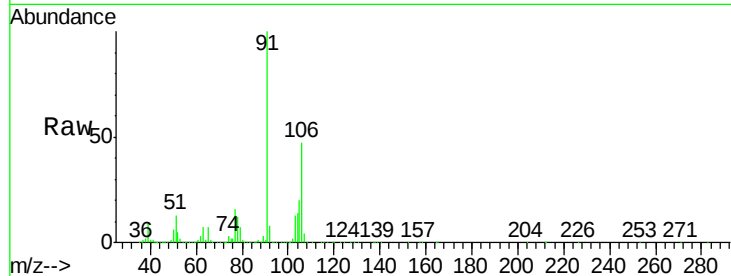
#69
o-Xylene
Concen: 19.291 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX007335.D
Acq: 01 Feb 2019 14:40

Instrument :
MSVOA_X
ClientSampleId :
VX0201WBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	208.5	102.9	308.7

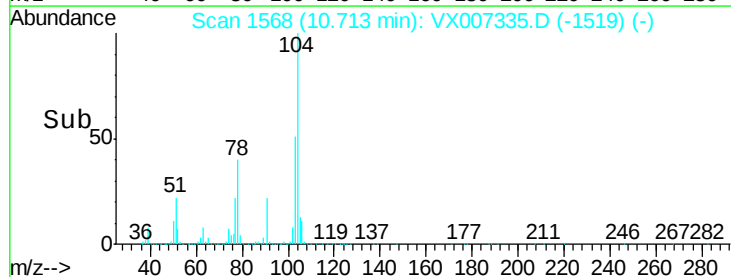
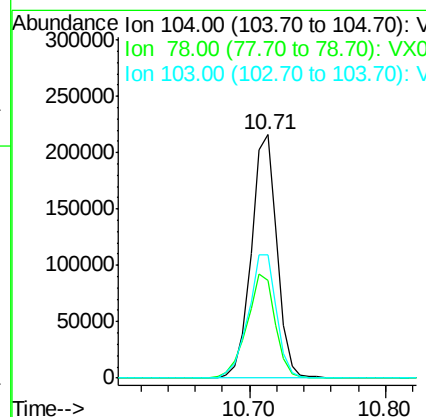
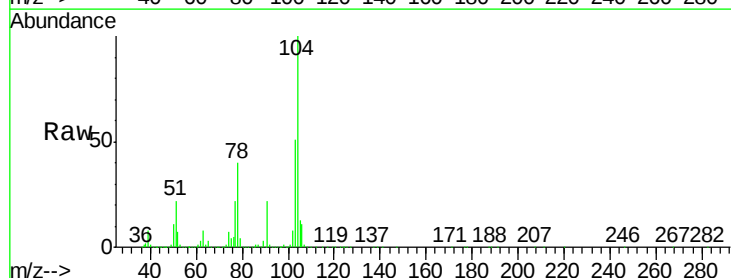
Manual Integrations
APPROVED

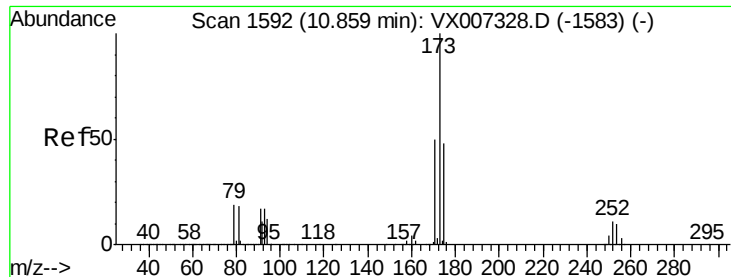
MMDadoda
2/4/2019 9:36:57 AM



#70
Styrene
Concen: 19.391 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX007335.D
Acq: 01 Feb 2019 14:40

Tgt Ion	Ratio	Lower	Upper
104	100		
78	46.9	38.3	57.5
103	56.0	44.6	67.0





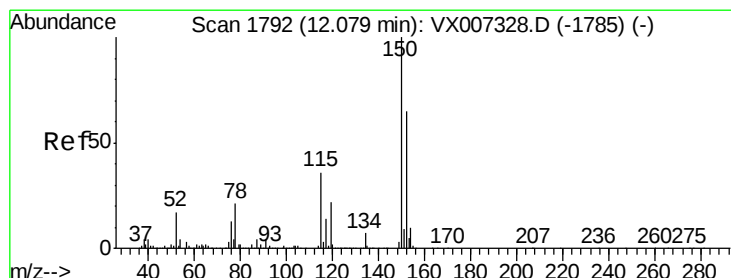
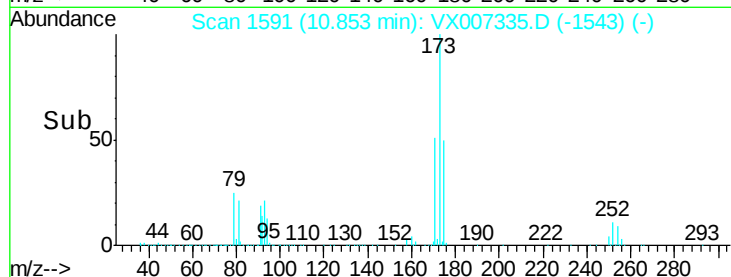
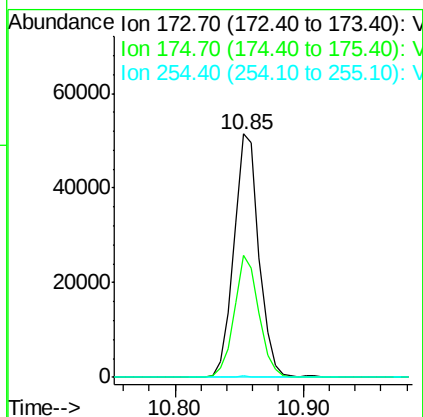
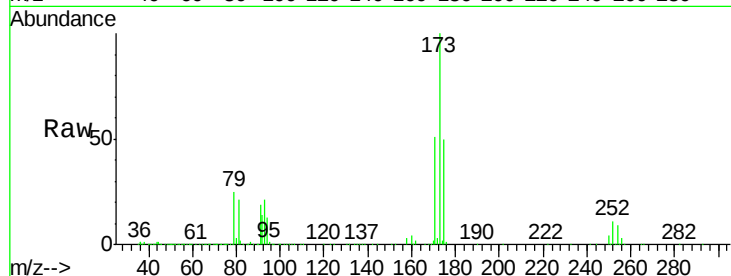
#71
Bromoform
Concen: 18.827 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. -0.01 min
Lab File: VX007335.D
Acq: 01 Feb 2019 14:40

Instrument :
MSVOA_X
ClientSampleId :
VX0201WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.2	72.6
254	0.3	0.2	0.2

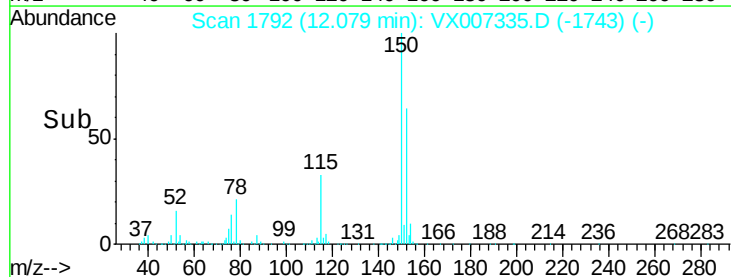
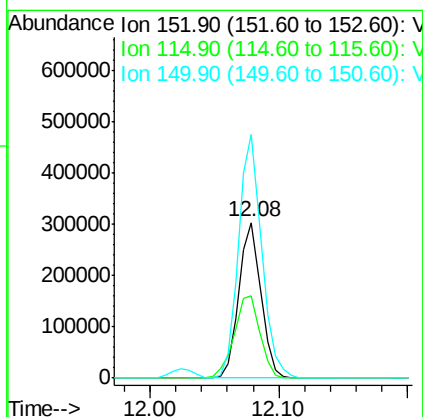
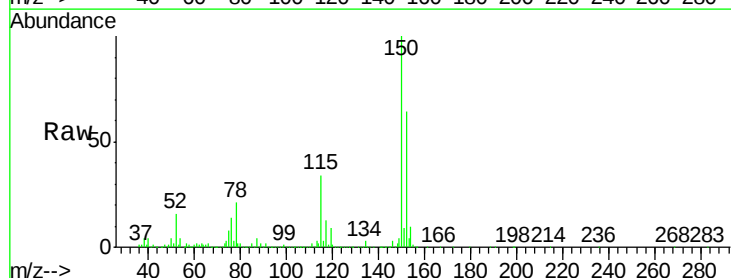
Manual Integrations
APPROVED

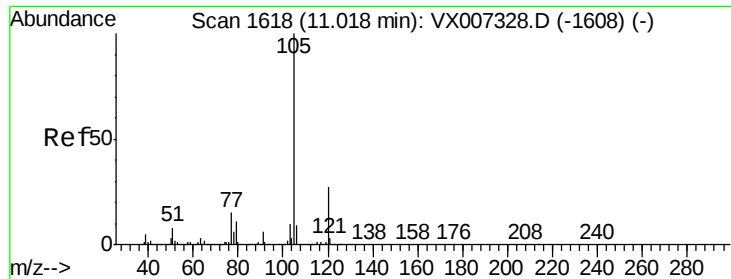
MMDadoda
2/4/2019 9:36:57 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX007335.D
Acq: 01 Feb 2019 14:40

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.1	38.0	114.0
150	163.5	0.0	346.4





#73

Isopropylbenzene

Concen: 19.225 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX007335.D

Acq: 01 Feb 2019 14:40

Instrument :

MSVOA_X

ClientSampleId :

VX0201WBS01

Tot Ion: 105 Resp: 473955

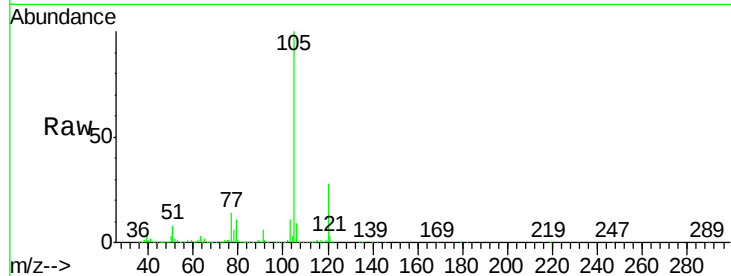
Ion Ratio Lower Upper

105 100

120 27.8 13.6 40.7

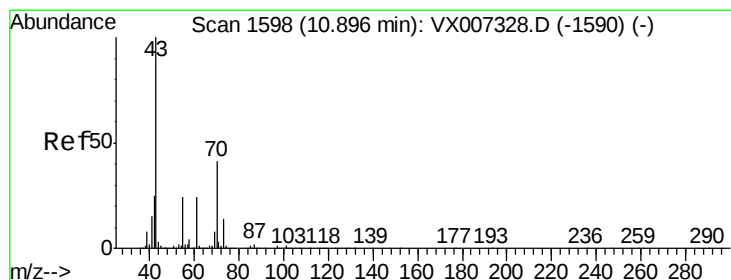
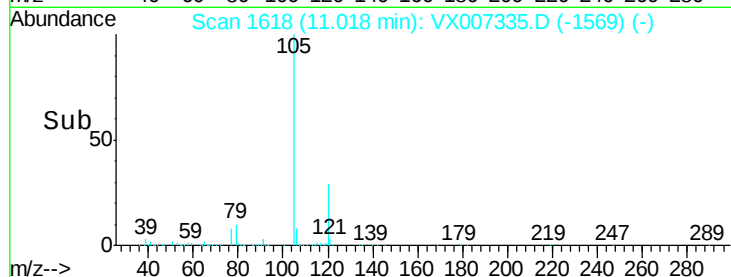
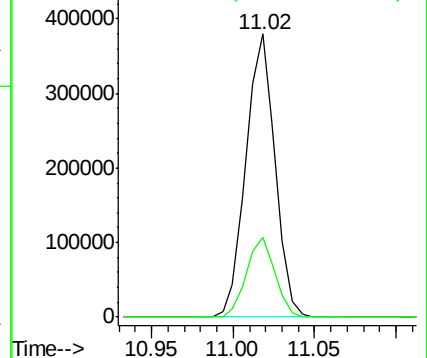
Manual Integrations
APPROVED

MMDadoda
2/4/2019 9:36:57 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.896 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX007335.D

Acq: 01 Feb 2019 14:40

Tgt Ion: 43 Resp: 180189

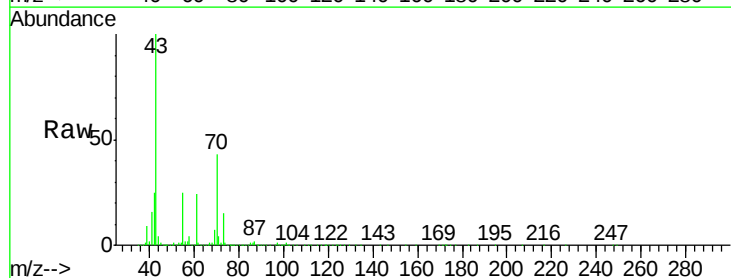
Ion Ratio Lower Upper

43 100

70 43.4 33.8 50.6

55 24.8 19.5 29.3

61 24.3 19.4 29.2

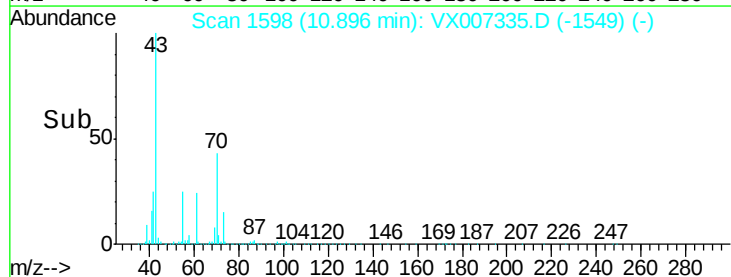
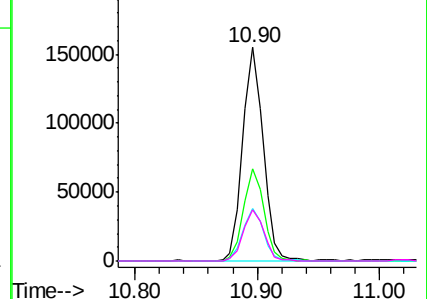


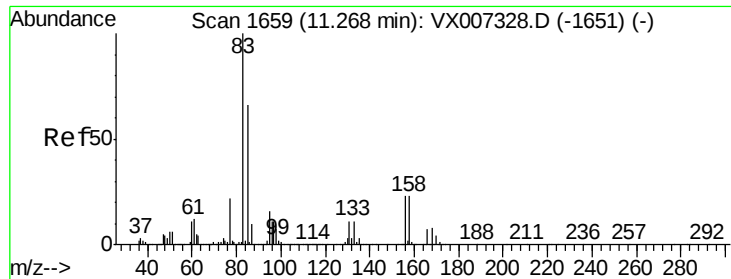
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 18.999 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX007335.D

Acq: 01 Feb 2019 14:40

Instrument :

MSVOA_X

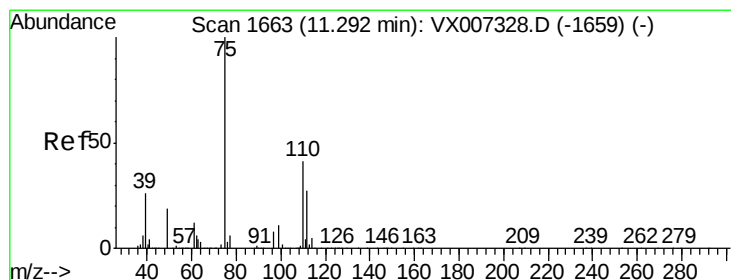
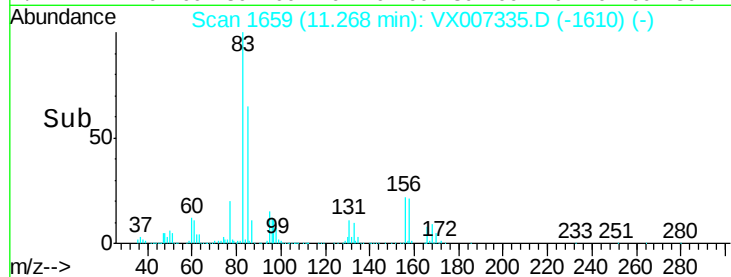
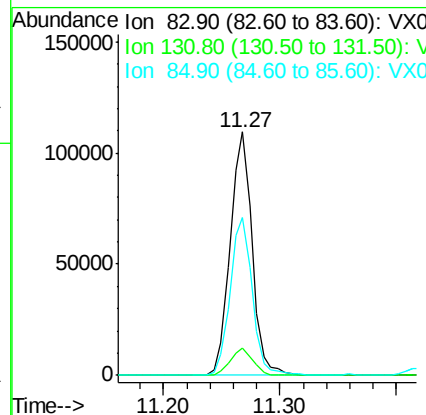
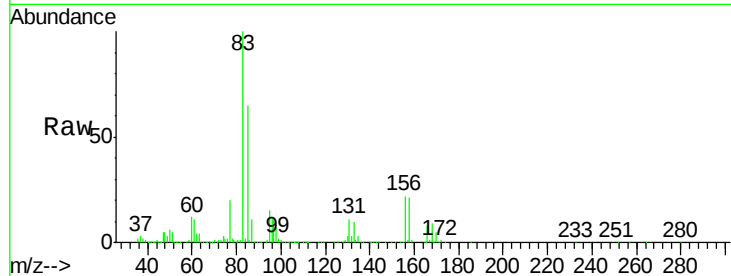
ClientSampleId :

VX0201WBS01

Tot Ion:	83	Resp:	142749
Ion Ratio	Lower	Upper	
83	100		
131	11.4	5.7	17.0
85	65.6	32.8	98.3

Manual Integrations
APPROVED

MMDadoda
2/4/2019 9:36:57 AM



#76

1,2,3-Trichloropropane

Concen: 19.603 ug/l m

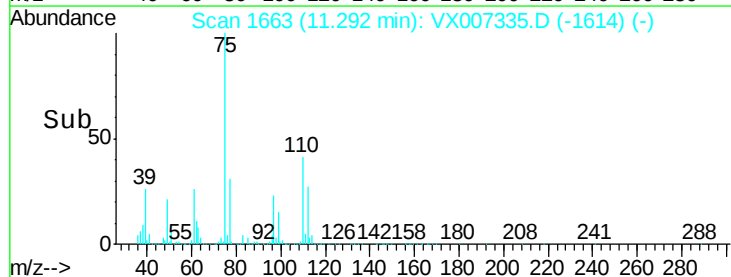
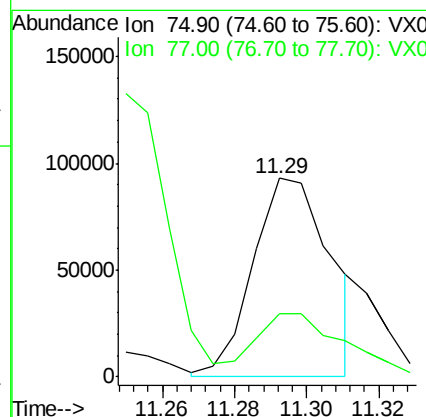
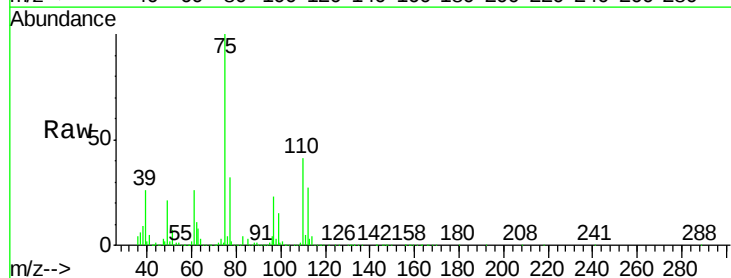
RT: 11.29 min Scan# 1663

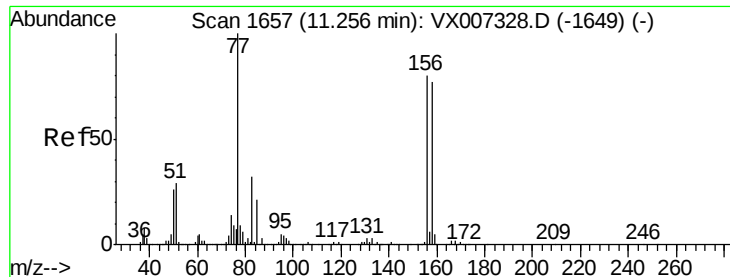
Delta R.T. 0.00 min

Lab File: VX007335.D

Acq: 01 Feb 2019 14:40

Tgt Ion:	75	Resp:	138335
Ion Ratio	Lower	Upper	
75	100		
77	37.6	23.0	69.0





#77

Bromobenzene

Concen: 18.516 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX007335.D

Acq: 01 Feb 2019 14:40

Instrument :

MSVOA_X

ClientSampleId :

VX0201WBS01

Tot Ion:156 Resp: 128616

Ion Ratio Lower Upper

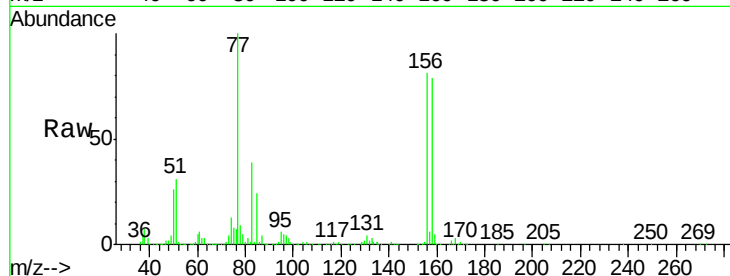
156 100

77 133.9 66.8 200.6

158 97.6 47.9 143.8

Manual Integrations
APPROVED

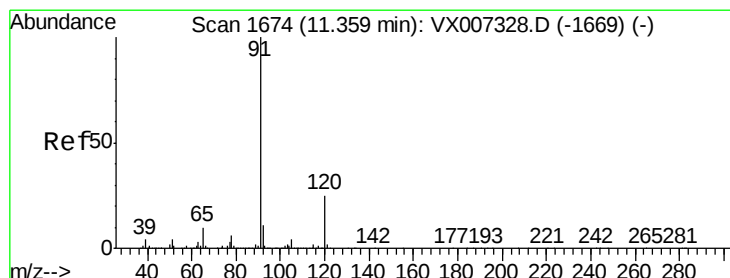
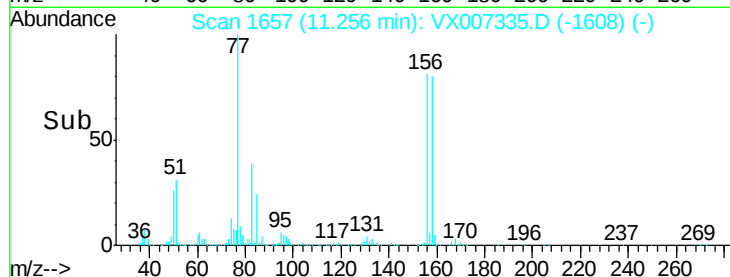
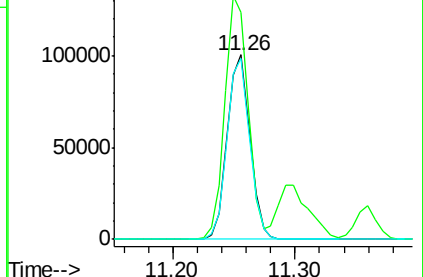
MMDadoda
2/4/2019 9:36:57 AM



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: 19.620 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX007335.D

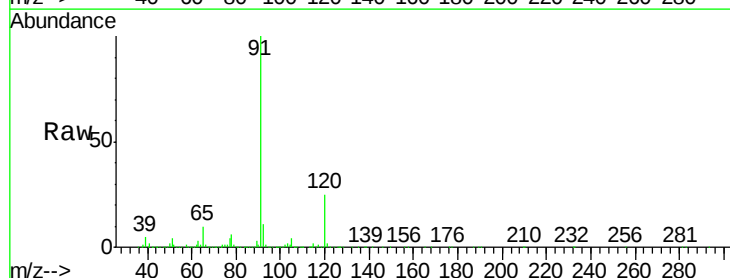
Acq: 01 Feb 2019 14:40

Tgt Ion: 91 Resp: 530410

Ion Ratio Lower Upper

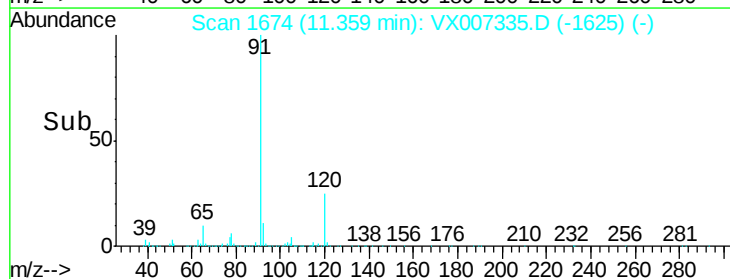
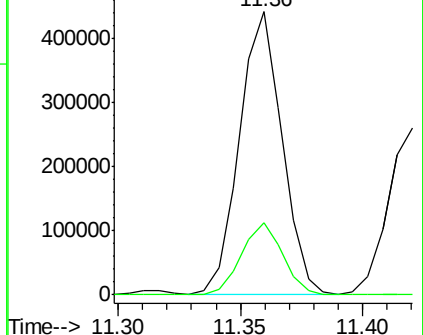
91 100

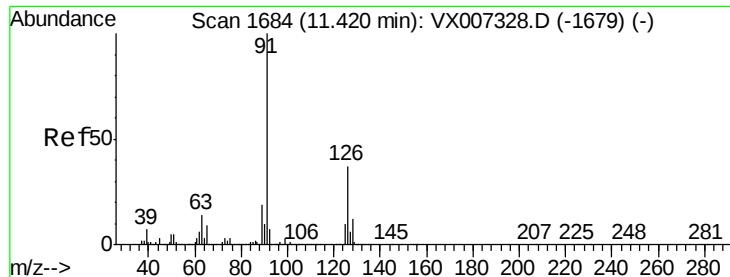
120 25.0 12.4 37.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.207 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX007335.D

Acq: 01 Feb 2019 14:40

Instrument :

MSVOA_X

ClientSampled :

VX0201WBS01

Tot Ion: 91 Resp: 315064

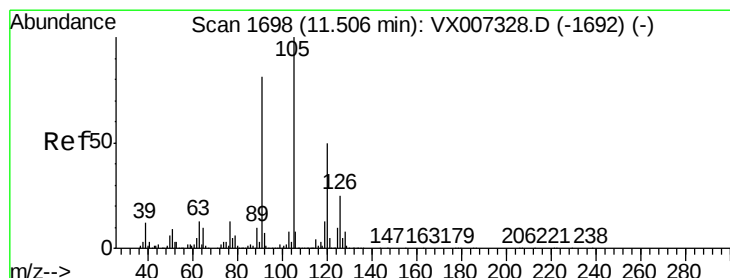
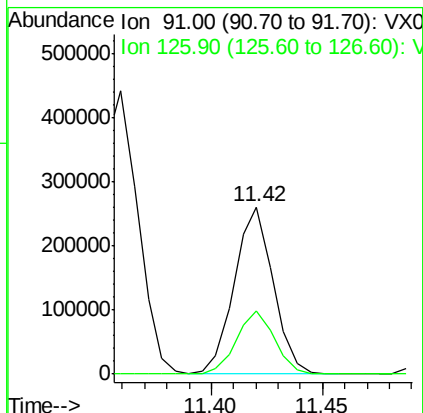
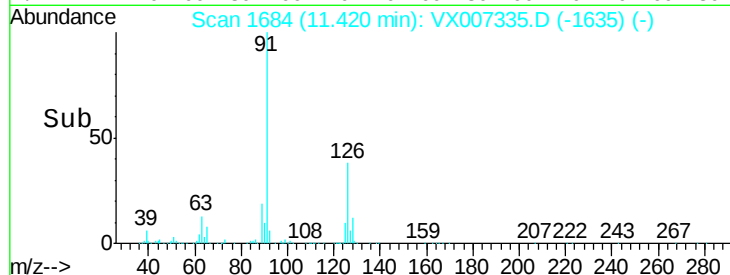
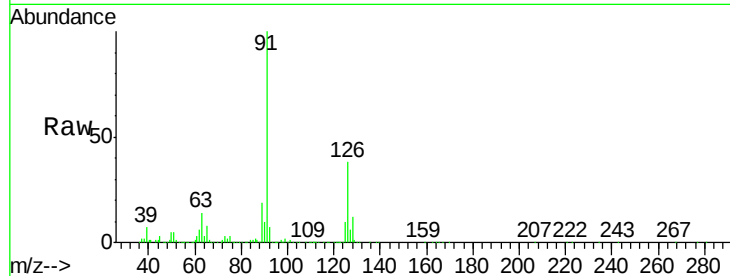
Ion Ratio Lower Upper

91 100

126 37.5 18.7 56.1

Manual Integrations
APPROVED

MMDadoda
2/4/2019 9:36:57 AM



#80

1,3,5-Trimethylbenzene

Concen: 19.469 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX007335.D

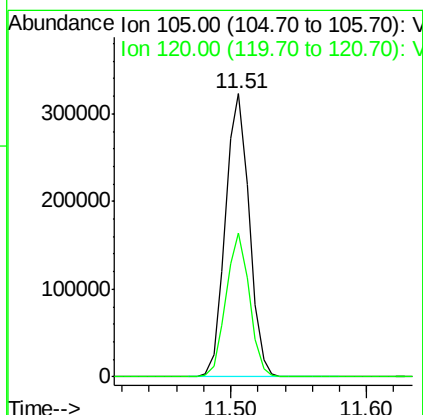
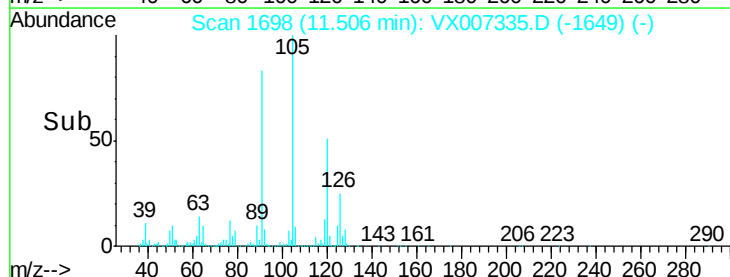
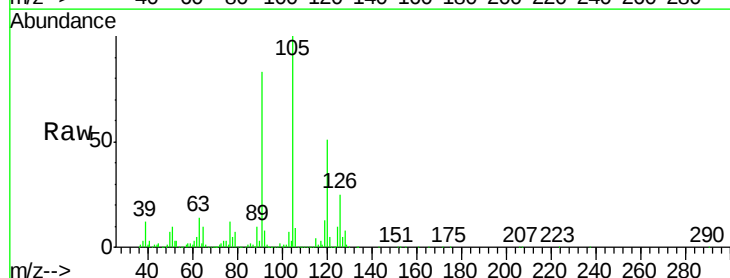
Acq: 01 Feb 2019 14:40

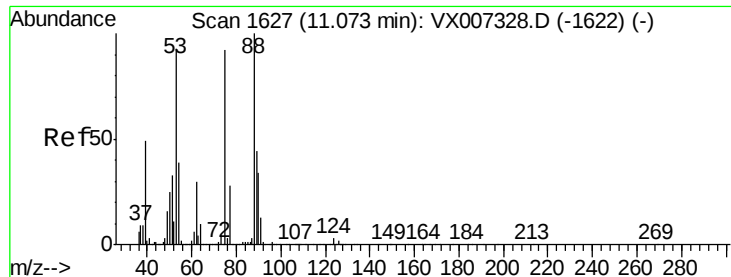
Tgt Ion: 105 Resp: 392678

Ion Ratio Lower Upper

105 100

120 49.9 25.3 75.8





#81

trans-1,4-Dichloro-2-butene

Concen: 18.923 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX007335.D

Acq: 01 Feb 2019 14:40

Instrument :

MSVOA_X

ClientSampleId :

VX0201WBS01

Tot Ion: 75 Resp: 36648

Ion Ratio Lower Upper

75 100

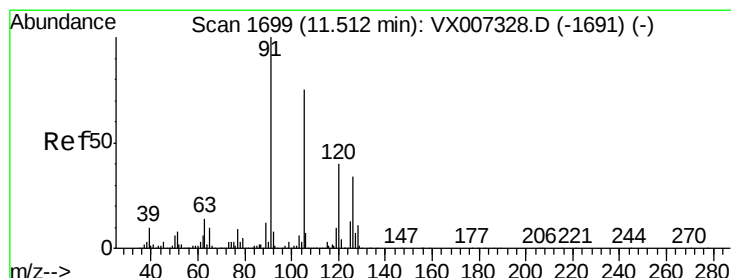
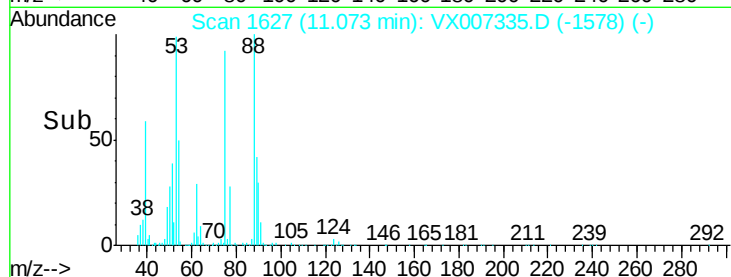
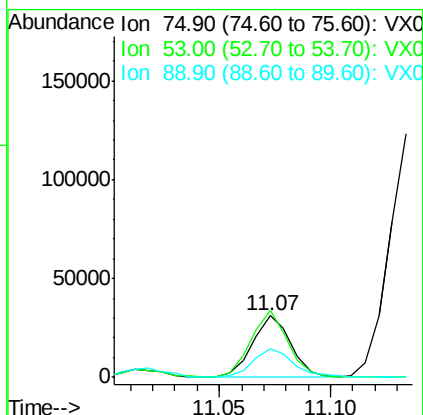
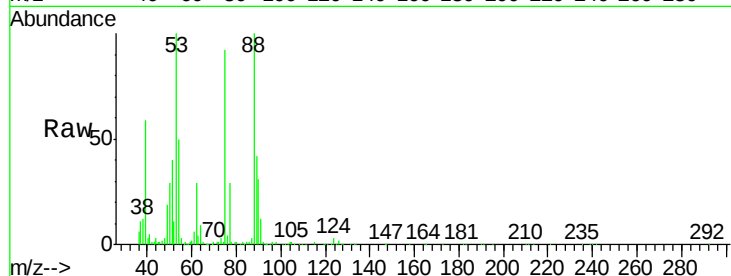
53 106.4 81.0 121.6

89 51.1 41.4 62.0

Manual Integrations
APPROVED

MMDadoda

2/4/2019 9:36:57 AM



#82

4-Chlorotoluene

Concen: 18.906 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX007335.D

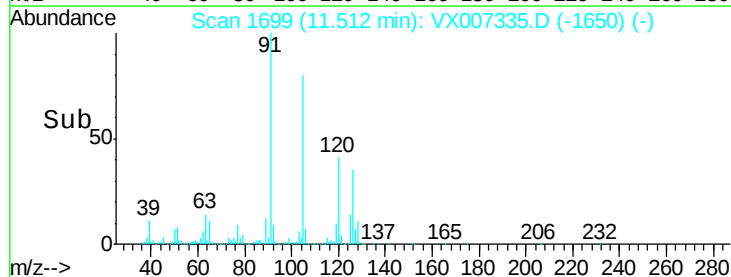
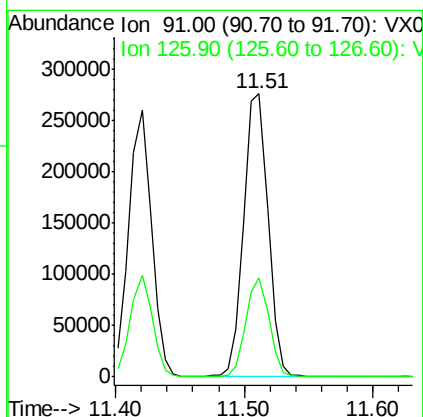
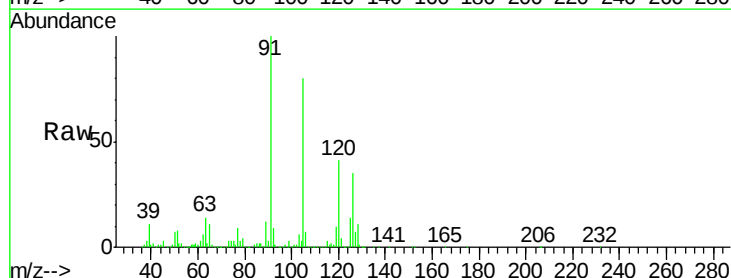
Acq: 01 Feb 2019 14:40

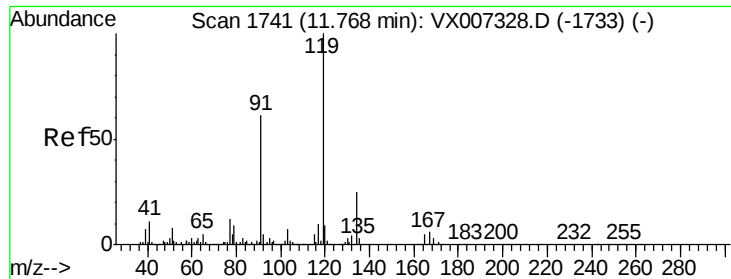
Tgt Ion: 91 Resp: 358857

Ion Ratio Lower Upper

91 100

126 33.5 16.2 48.5





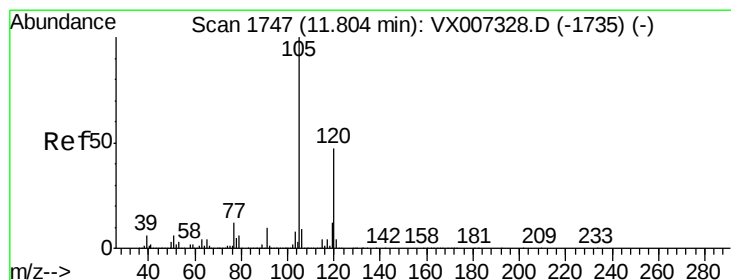
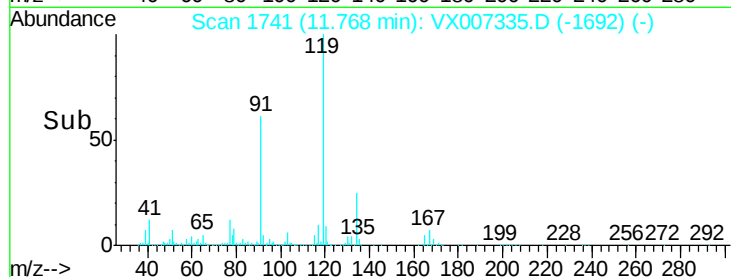
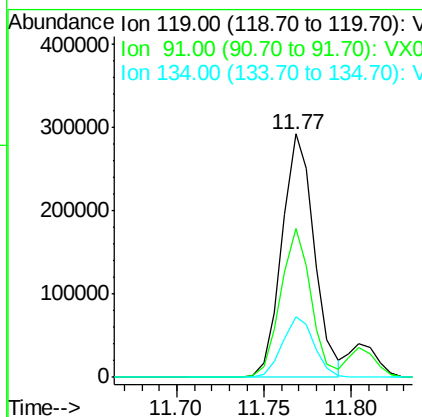
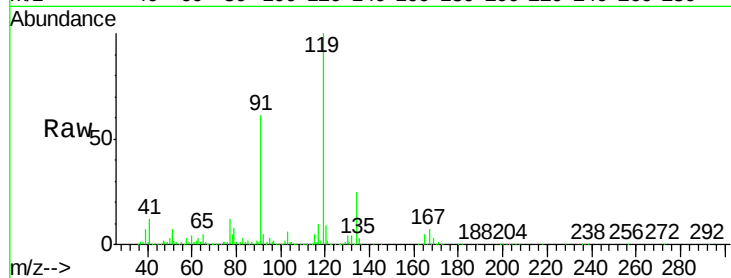
#83
tert-Butylbenzene
Concen: 18.867 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX007335.D
Acq: 01 Feb 2019 14:40

Instrument :
MSVOA_X
ClientSampleId :
VX0201WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	376755		
91	57.7	28.5	85.6	
134	24.6	12.0	36.0	

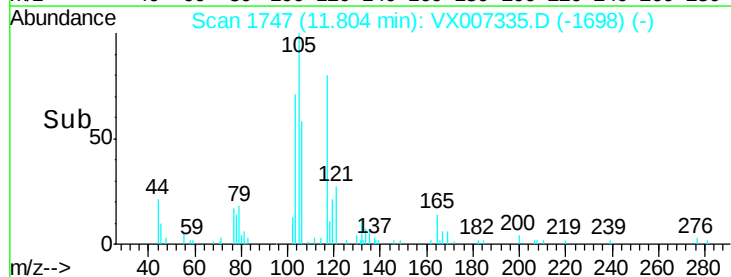
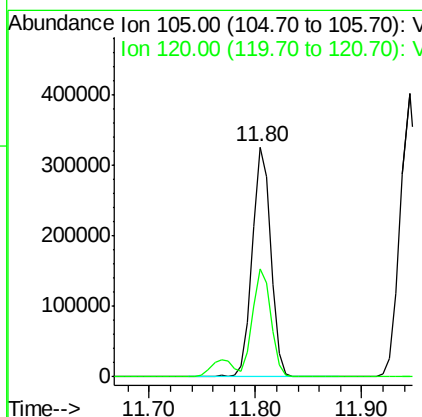
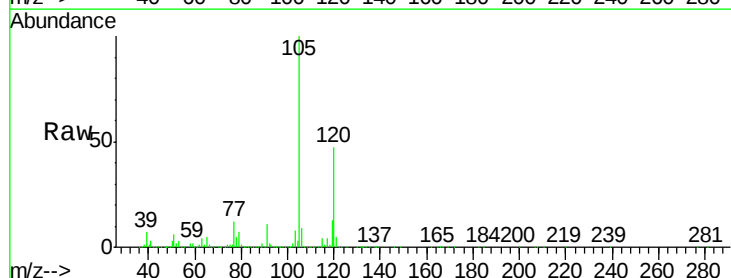
Manual Integrations
APPROVED

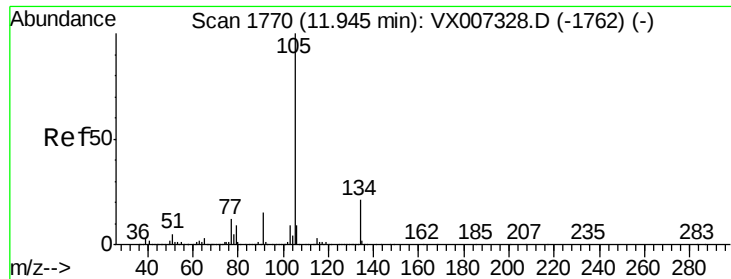
MMDadoda
2/4/2019 9:36:57 AM



#84
1,2,4-Trimethylbenzene
Concen: 19.552 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX007335.D
Acq: 01 Feb 2019 14:40

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	400370		
120	46.4	23.1	69.3	





#85

sec-Butylbenzene

Concen: 19.820 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX007335.D

Acq: 01 Feb 2019 14:40

Instrument :

MSVOA_X

ClientSampleId :

VX0201WBS01

Tot Ion:105 Resp: 479014

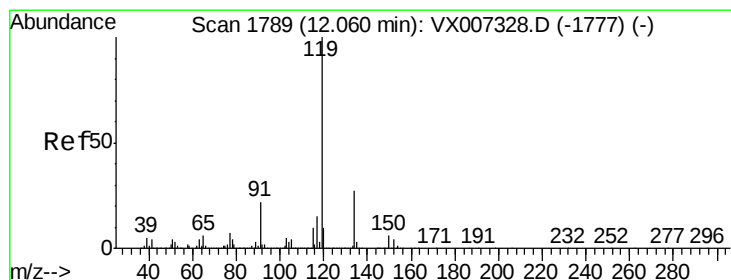
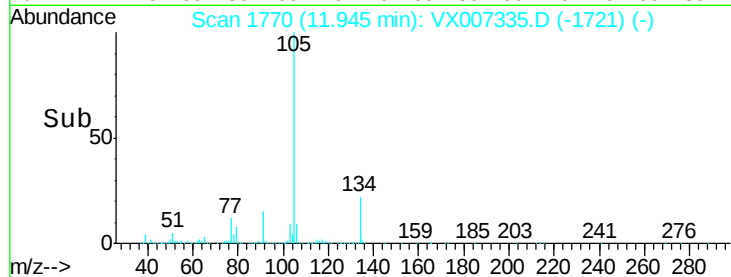
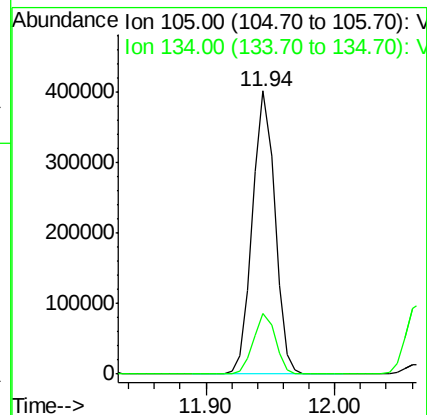
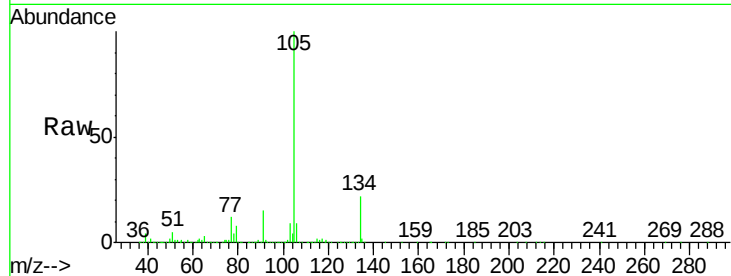
Ion Ratio Lower Upper

105 100

134 21.2 10.6 31.8

Manual Integrations
APPROVED

MMDadoda
2/4/2019 9:36:57 AM



#86

p-Isopropyltoluene

Concen: 19.760 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX007335.D

Acq: 01 Feb 2019 14:40

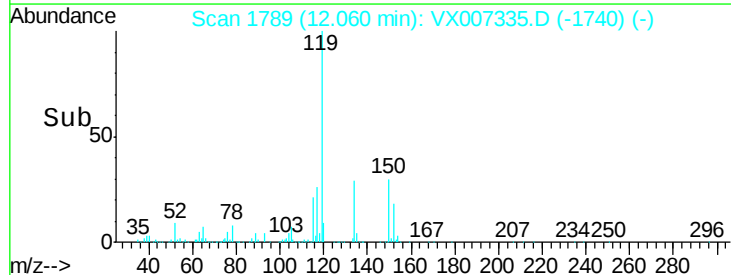
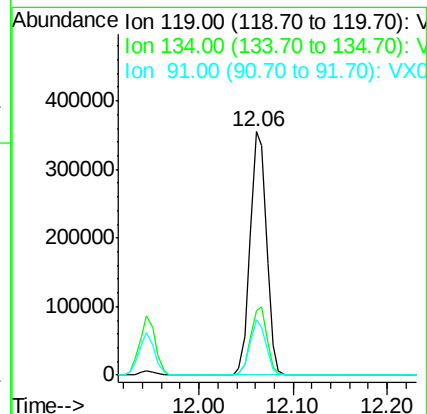
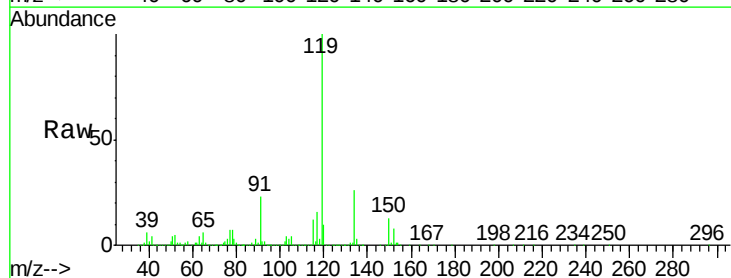
Tgt Ion:119 Resp: 431100

Ion Ratio Lower Upper

119 100

134 27.7 13.7 41.1

91 22.3 11.2 33.5





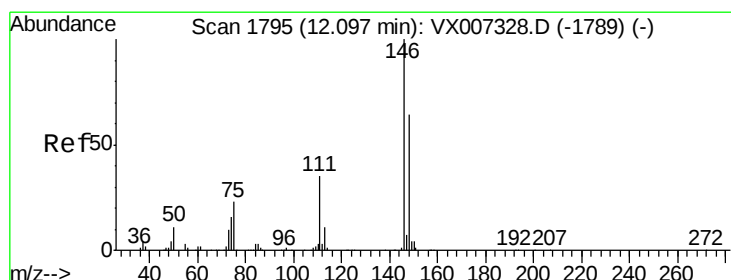
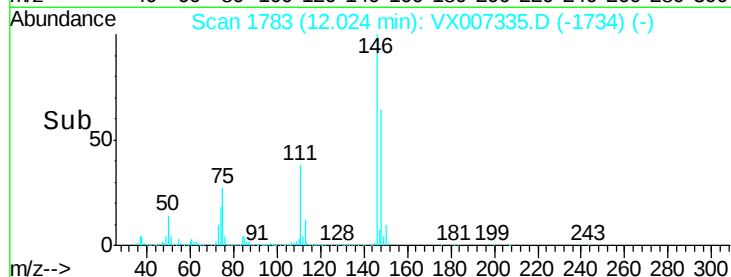
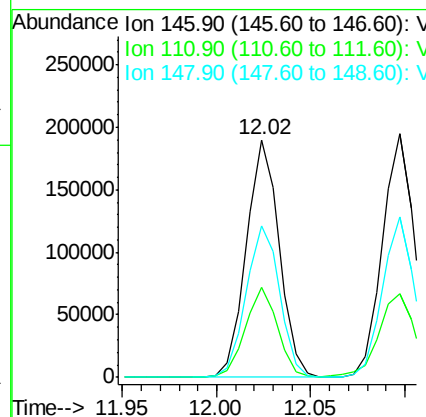
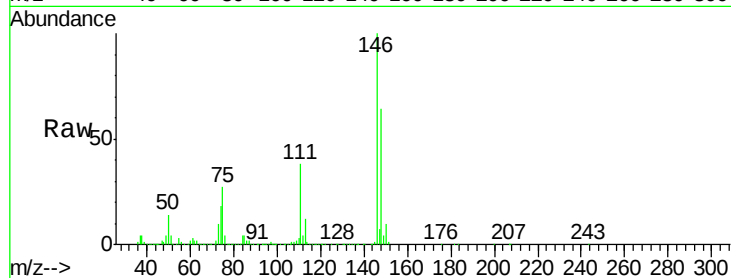
#87
 1,3-Dichlorobenzene
 Concen: 18.510 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX007335.D
 Acq: 01 Feb 2019 14:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0201WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.1	54.1
148	64.7	32.0	96.2

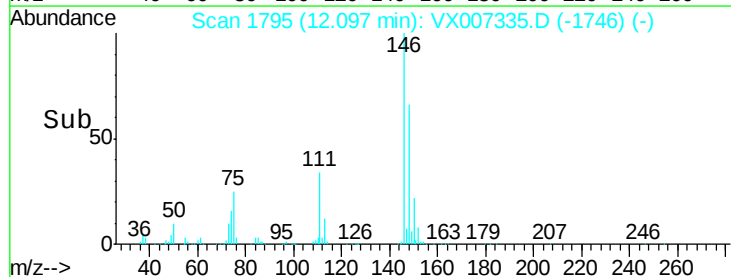
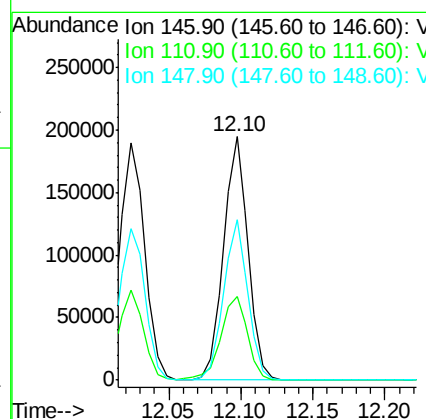
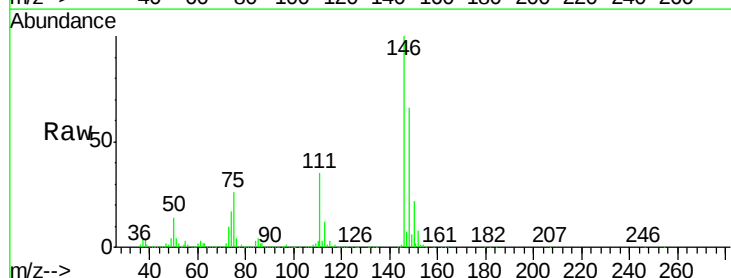
Manual Integrations
 APPROVED

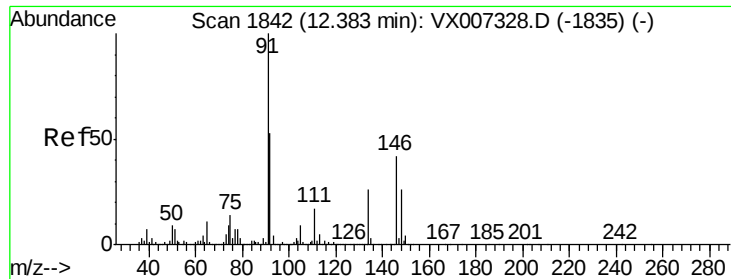
MMDadoda
 2/4/2019 9:36:57 AM



#88
 1,4-Dichlorobenzene
 Concen: 18.363 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX007335.D
 Acq: 01 Feb 2019 14:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.1	54.1
148	65.6	32.3	96.9





#89

n-Butylbenzene

Concen: 19.272 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.01 min

Lab File: VX007335.D

Acq: 01 Feb 2019 14:40

Instrument :

MSVOA_X

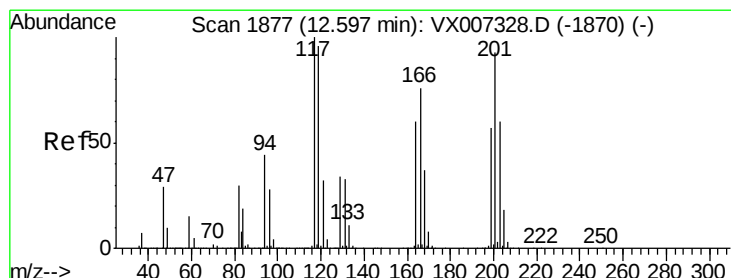
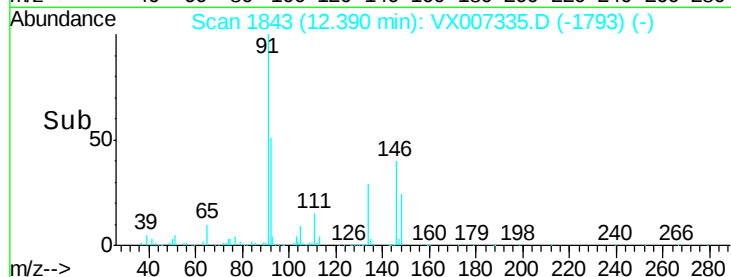
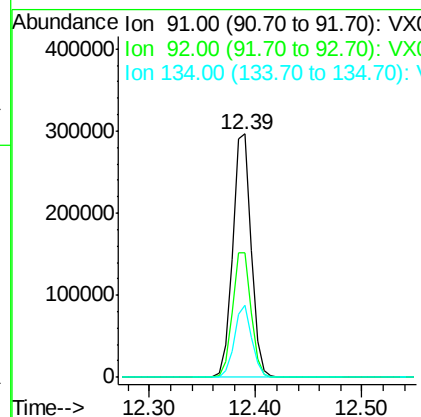
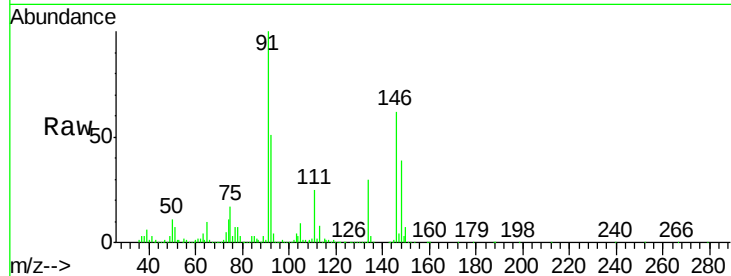
ClientSampleId :

VX0201WBS01

Tot Ion:	91	Resp:	361694
Ion Ratio	Lower	Upper	
91	100		
92	51.8	26.3	78.9
134	28.1	13.9	41.6

Manual Integrations
APPROVED

MMDadoda
2/4/2019 9:36:57 AM



#90

Hexachloroethane

Concen: 18.584 ug/l

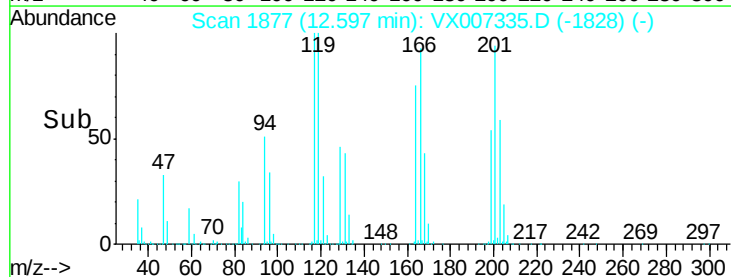
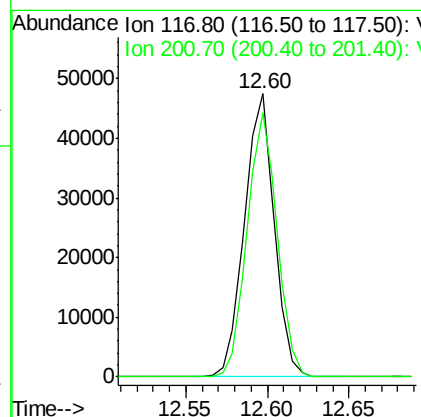
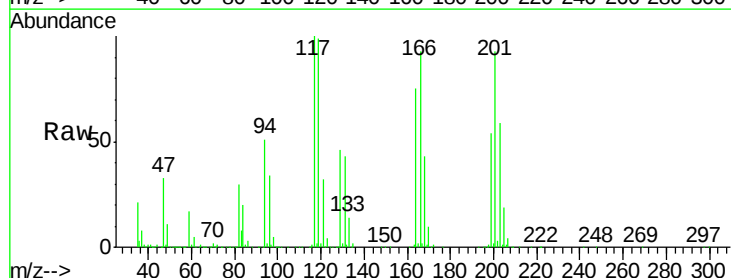
RT: 12.60 min Scan# 1877

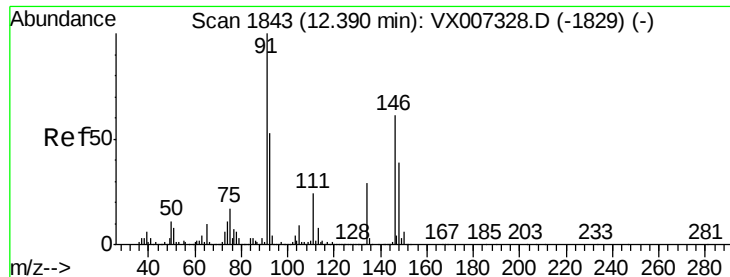
Delta R.T. 0.00 min

Lab File: VX007335.D

Acq: 01 Feb 2019 14:40

Tgt Ion:	117	Resp:	60680
Ion Ratio	Lower	Upper	
117	100		
201	93.2	44.9	134.7





#91

1,2-Dichlorobenzene

Concen: 18.473 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX007335.D

Acq: 01 Feb 2019 14:40

Instrument :

MSVOA_X

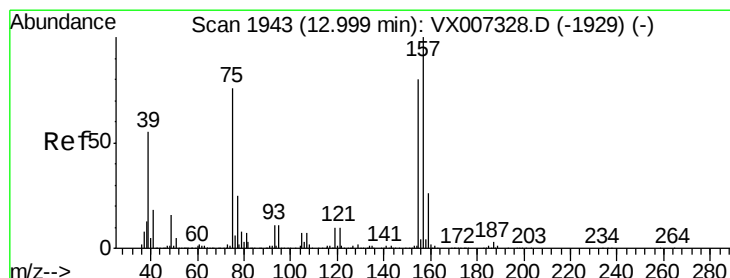
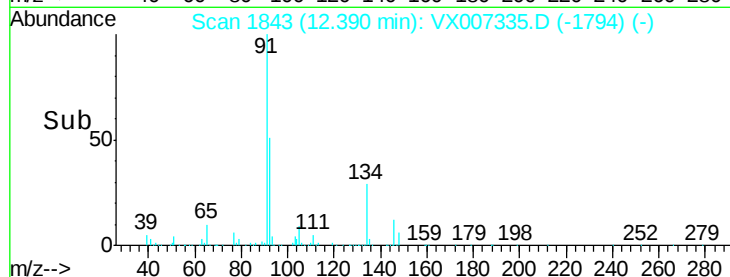
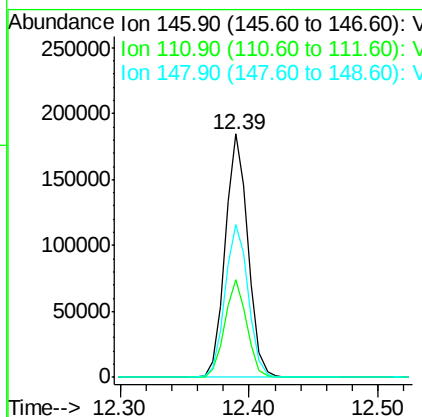
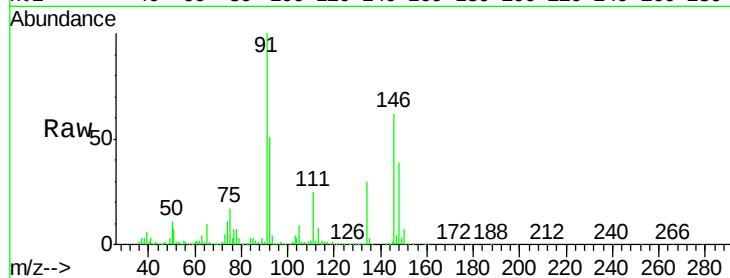
ClientSampled :

VX0201WBS01

Tot Ion:	146	Resp:	229184
Ion Ratio	Lower	Upper	
146	100		
111	38.9	19.1	57.3
148	64.2	32.1	96.3

Manual Integrations
APPROVED

MMDadoda
2/4/2019 9:36:57 AM



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.738 ug/l

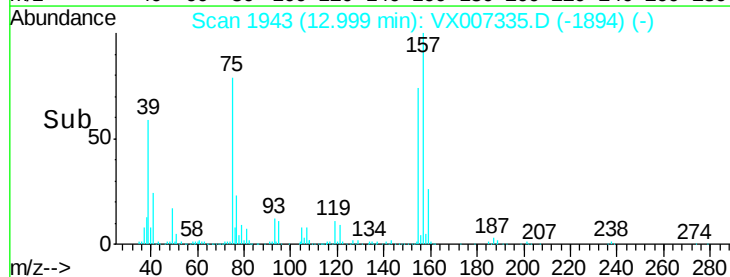
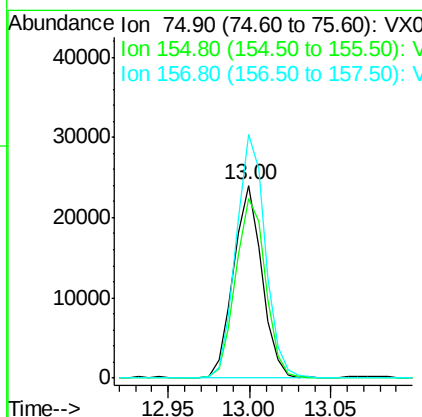
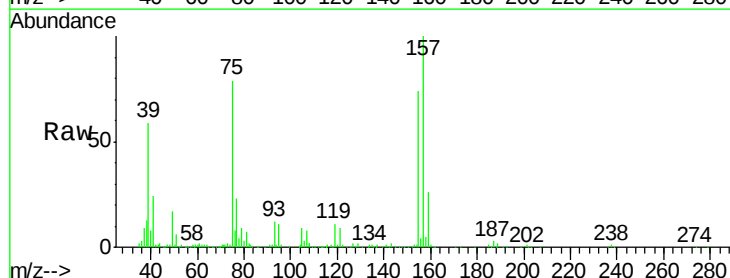
RT: 13.00 min Scan# 1943

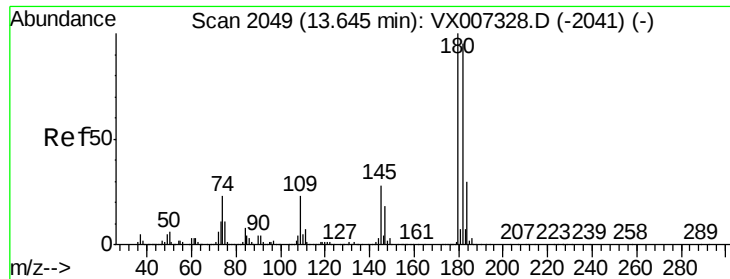
Delta R.T. 0.00 min

Lab File: VX007335.D

Acq: 01 Feb 2019 14:40

Tgt Ion:	75	Resp:	29274
Ion Ratio	Lower	Upper	
75	100		
155	97.8	49.6	149.0
157	129.3	65.1	195.3





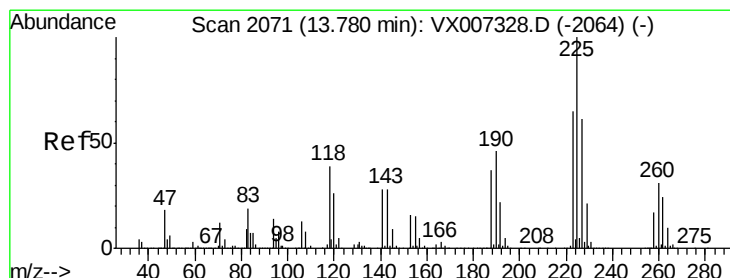
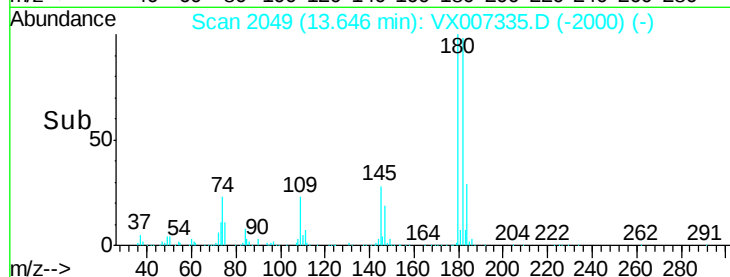
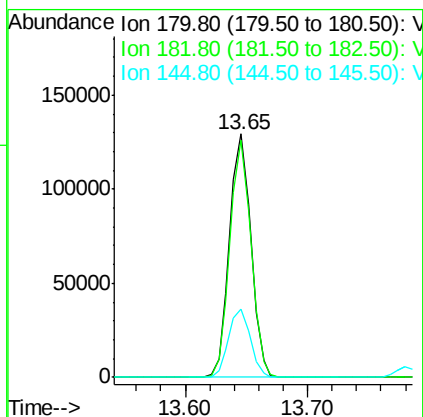
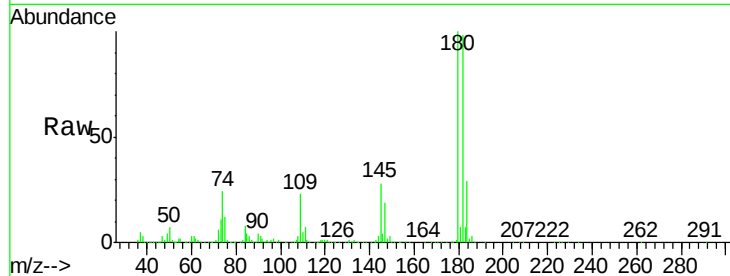
#93
 1,2,4-Trichlorobenzene
 Concen: 18.716 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX007335.D
 Acq: 01 Feb 2019 14:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0201WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	156592		
182	96.1	47.8	143.3	
145	28.7	14.1	42.2	

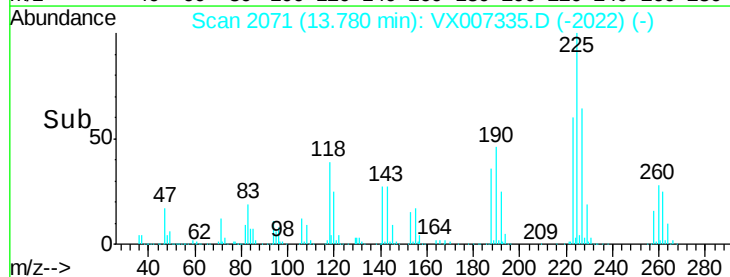
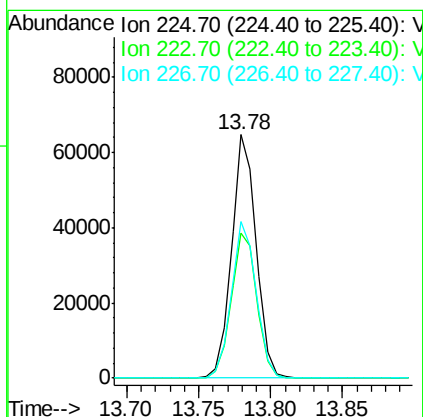
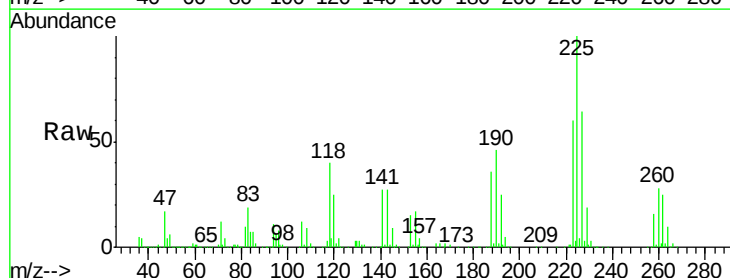
Manual Integrations
 APPROVED

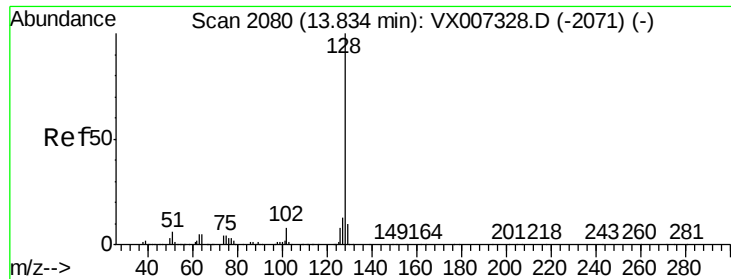
MMDadoda
 2/4/2019 9:36:57 AM



#94
 Hexachlorobutadiene
 Concen: 19.014 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX007335.D
 Acq: 01 Feb 2019 14:40

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	77245		
223	62.2	31.6	94.8	
227	65.1	32.1	96.3	





#95

Naphthalene

Concen: 19.146 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX007335.D

Acq: 01 Feb 2019 14:40

Instrument :

MSVOA_X

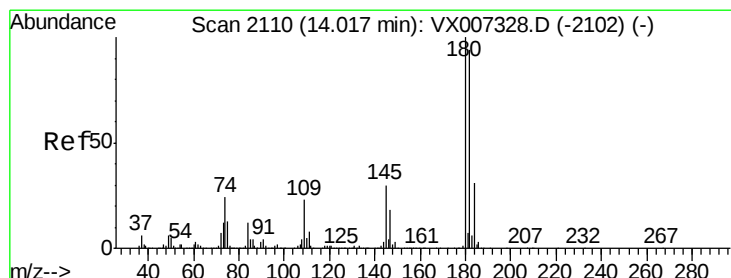
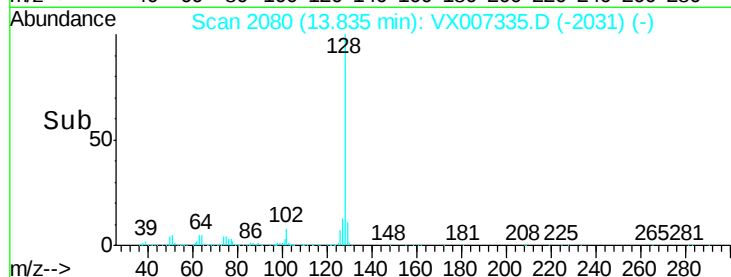
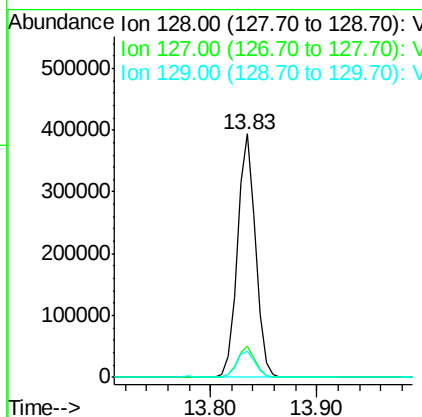
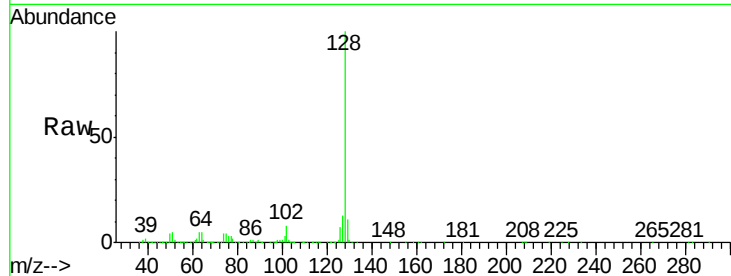
ClientSampled :

VX0201WBS01

Tot Ion:	128	Resp:	468437
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.5	15.7
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
2/4/2019 9:36:57 AM



#96

1,2,3-Trichlorobenzene

Concen: 18.588 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX007335.D

Acq: 01 Feb 2019 14:40

Tgt Ion:	180	Resp:	156548
Ion Ratio	Lower	Upper	
180	100		
182	96.3	47.5	142.6
145	30.7	14.9	44.5

