

Data File : VX001044.D
Acq On : 21 Apr 2018 07:06
Operator : JC/MD
Sample : J2377-06MS
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
LF014MW005-180412MS

Manual Integrations
APPROVED

MMDadoda
4/23/2018 1:27:47 PM

Quant Time: Apr 23 00:57:46 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041918W.M
Quant Title : SW846 8260
QLast Update : Fri Apr 20 05:03:28 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	214146	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	304812	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	299550	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	206697	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	134202	49.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.88%	
35) Dibromofluoromethane	5.51	113	110849	47.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.38%	
50) Toluene-d8	8.72	98	399046	46.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.86%	
62) 4-Bromofluorobenzene	11.14	95	167577	46.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.92%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.20	85	137278	51.69	ug/l	98
3) Chloromethane	1.32	50	118983	48.11	ug/l	99
4) Vinyl Chloride	1.41	62	128349	50.07	ug/l	99
5) Bromomethane	1.65	94	85699	59.60	ug/l	99
6) Chloroethane	1.73	64	76487	50.22	ug/l	99
7) Trichlorofluoromethane	1.93	101	197848	51.38	ug/l	98
8) Diethyl Ether	2.19	74	71521	50.28	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	106661	47.27	ug/l	99
10) Methyl Iodide	2.52	142	74415	35.94	ug/l	100
11) Tert butyl alcohol	3.06	59	107245	261.96	ug/l	100
12) 1,1-Dichloroethene	2.38	96	104365	50.02	ug/l	97
13) Acrolein	2.30	56	36954	288.00	ug/l	99
14) Allyl chloride	2.73	41	187644	49.69	ug/l	98
15) Acrylonitrile	3.15	53	277358	250.33	ug/l	99
16) Acetone	2.45	43	233815	228.74	ug/l	100
17) Carbon Disulfide	2.57	76	273986	46.08	ug/l	99
18) Methyl Acetate	2.78	43	160780	51.98	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	362594	51.69	ug/l	100
20) Methylene Chloride	2.87	84	114921	53.45	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	113462	48.85	ug/l	98
22) Diisopropyl ether	3.88	45	380861	52.11	ug/l	99
23) Vinyl Acetate	3.83	43	1406837	232.48	ug/l	99
24) 1,1-Dichloroethane	3.70	63	206843	50.45	ug/l	100
25) 2-Butanone	4.71	43	393934	246.87	ug/l	99
26) 2,2-Dichloropropane	4.59	77	137085	38.87	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	130970	50.62	ug/l	97
28) Bromochloromethane	5.03	49	86473	54.84	ug/l	99
29) Tetrahydrofuran	5.17	42	256093	253.97	ug/l	100
30) Chloroform	5.23	83	220829	52.01	ug/l	100
31) Cyclohexane	5.59	56	182780	47.76	ug/l	100
32) 1,1,1-Trichloroethane	5.51	97	197930	51.99	ug/l	99
36) 1,1-Dichloropropene	5.81	75	166532	46.49	ug/l	99
37) Ethyl Acetate	4.87	43	145022	44.14	ug/l	100
38) Carbon Tetrachloride	5.79	117	174370	48.08	ug/l	99

Data File : VX001044.D

Acq On : 21 Apr 2018 07:06

Operator : JC/MD

Sample : J2377-06MS

Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 48 Sample Multiplier: 1

Instrument :

MSVOA_X

ClientSampleId :

LF014MW005-180412MS

Manual Integrations

APPROVED

MMDadoda

4/23/2018 1:27:47 PM

Quant Time: Apr 23 00:57:46 2018

Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041918W.M

Quant Title : SW846 8260

QLast Update : Fri Apr 20 05:03:28 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	180991	43.41	ug/l	99
40) Benzene	6.15	78	479550	48.16	ug/l	98
41) Methacrylonitrile	5.07	41	95476	46.53	ug/l	99
42) 1,2-Dichloroethane	6.20	62	185645	48.57	ug/l	100
43) Isopropyl Acetate	6.47	43	259387	46.01	ug/l	99
44) Trichloroethene	7.22	130	141819	46.61	ug/l	98
45) 1,2-Dichloropropane	7.52	63	123336	49.25	ug/l	98
46) Dibromomethane	7.67	93	85522	48.88	ug/l	99
47) Bromodichloromethane	7.91	83	163270	50.37	ug/l	98
48) Methyl methacrylate	7.79	41	147378	48.55	ug/l	98
49) 1,4-Dioxane	7.76	88	43744	980.04	ug/l	99
51) 4-Methyl-2-Pentanone	8.66	43	856395	250.21	ug/l	100
52) Toluene	8.79	92	314952	48.46	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	186560	48.13	ug/l	98
54) cis-1,3-Dichloropropene	9.05	75	178122	48.73	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	126052	48.79	ug/l	99
56) Ethyl methacrylate	9.19	69	188222	49.60	ug/l	98
57) 1,3-Dichloropropane	9.38	76	207827	48.56	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.27	63	1172	0.63	ug/l #	45
59) 2-Hexanone	9.51	43	635060	242.41	ug/l	99
60) Dibromochloromethane	9.59	129	138179	50.93	ug/l	99
61) 1,2-Dibromoethane	9.68	107	136199	49.96	ug/l	98
64) Tetrachloroethene	9.34	164	139450	43.84	ug/l	99
65) Chlorobenzene	10.15	112	373108	46.78	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	134428	49.10	ug/l	99
67) Ethyl Benzene	10.26	91	622894	47.03	ug/l	99
68) m/p-Xylenes	10.37	106	488271	93.53	ug/l	99
69) o-Xylene	10.71	106	238616	47.41	ug/l	100
70) Styrene	10.72	104	399099	48.15	ug/l	100
71) Bromoform	10.87	173	111085	43.93	ug/l	99
73) Isopropylbenzene	11.02	105	637675	47.19	ug/l	100
74) N-amyl acetate	6.47	43	259387	44.87	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	187996	49.14	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	174171m	48.57	ug/l	
77) Bromobenzene	11.26	156	184396	47.01	ug/l	98
78) n-propylbenzene	11.37	91	722194	46.55	ug/l	100
79) 2-Chlorotoluene	11.43	91	432153	47.14	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	544509	47.54	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	44285	38.68	ug/l	95
82) 4-Chlorotoluene	11.52	91	518043	46.77	ug/l	99
83) tert-Butylbenzene	11.77	119	559623	48.43	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	563723	47.82	ug/l	99
85) sec-Butylbenzene	11.95	105	637243	46.20	ug/l	100
86) p-Isopropyltoluene	12.07	119	587685	46.06	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	338344	46.08	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	349346	46.35	ug/l	99
89) n-Butylbenzene	12.39	91	493072	43.43	ug/l	100
90) Hexachloroethane	12.60	117	88905	49.17	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	336441	47.33	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	40226	50.20	ug/l	97

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX042018\
Quantitation Report (QT Reviewed)

Data File : VX001044.D
Acq On : 21 Apr 2018 07:06
Operator : JC/MD
Sample : J2377-06MS
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
LF014MW005-180412MS

Manual Integrations
APPROVED

MMDadoda
4/23/2018 1:27:47 PM

Quant Time: Apr 23 00:57:46 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041918W.M
Quant Title : SW846 8260
QLast Update : Fri Apr 20 05:03:28 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	262363	43.97	ug/l	100
94) Hexachlorobutadiene	13.79	225	105838	39.20	ug/l	100
95) Naphthalene	13.84	128	707505	48.21	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	260699	45.17	ug/l	100

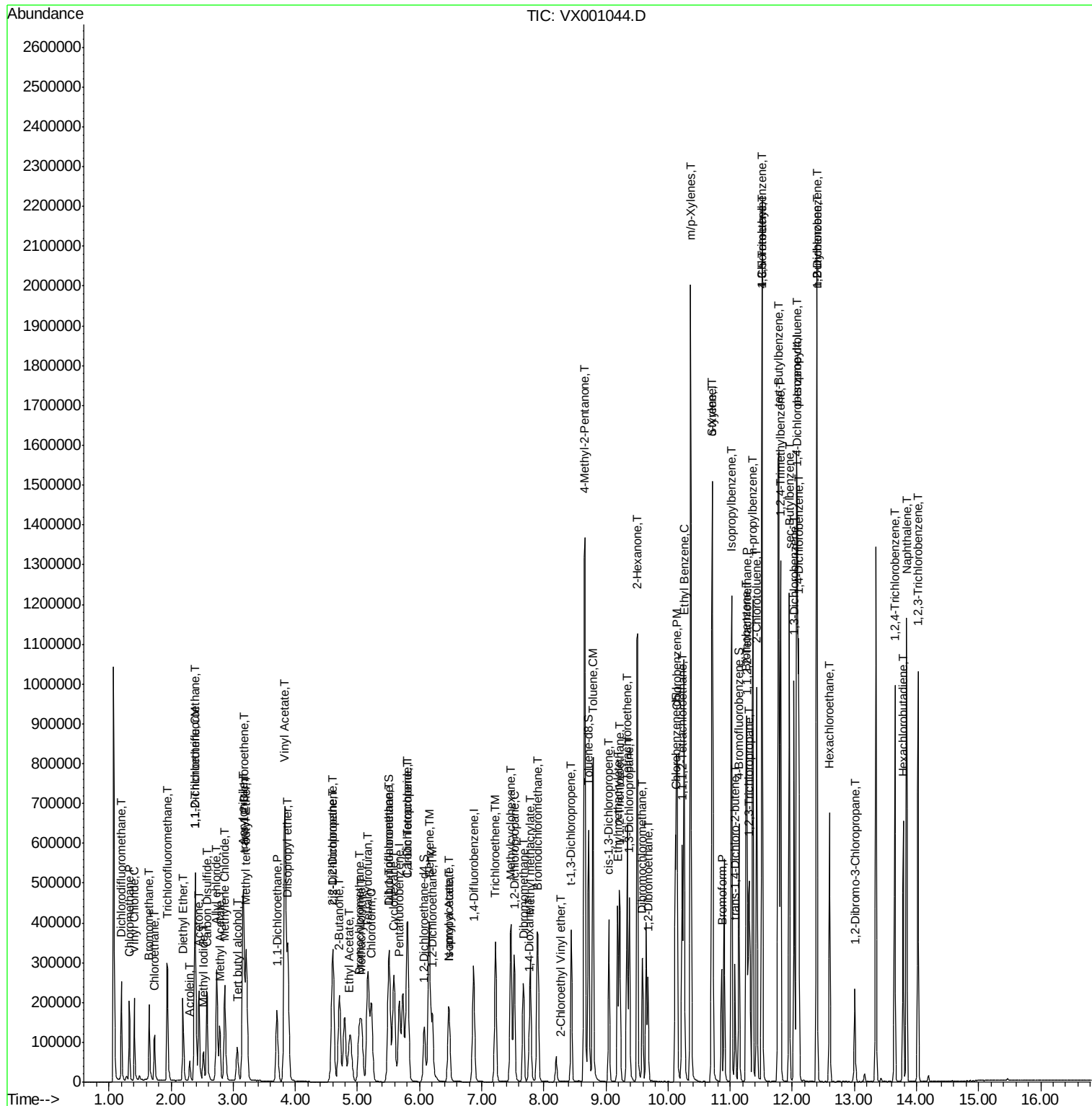
(#) = qualifier out of range (m) = manual integration (+) = signals summed

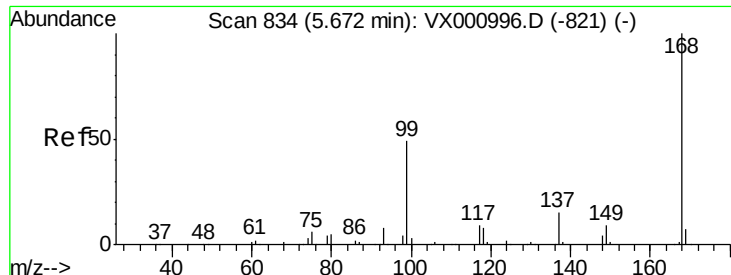
Instrument :
MSVOA_X
ClientSampleId :
LF014MW005-180412MS

Manual Integrations APPROVED

MMDadoda
4/23/2018 1:27:47 PM

Quant Time: Apr 23 00:57:46 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041918W.M
Quant Title : SW846 8260
QLast Update : Fri Apr 20 05:03:28 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX001044.D

Acq: 21 Apr 2018 07:06

Instrument :

MSVOA_X

ClientSampleId :

LF014MW005-180412MS

Tgt Ion:168 Resp: 214146

Ion Ratio Lower Upper

168 100

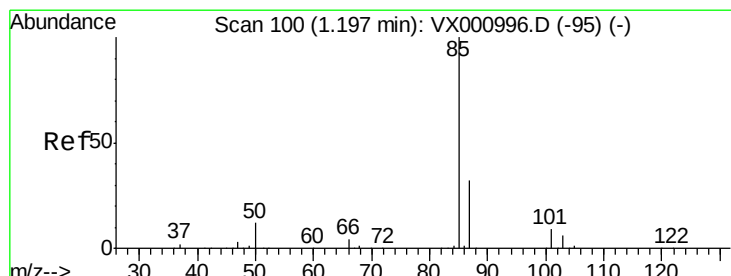
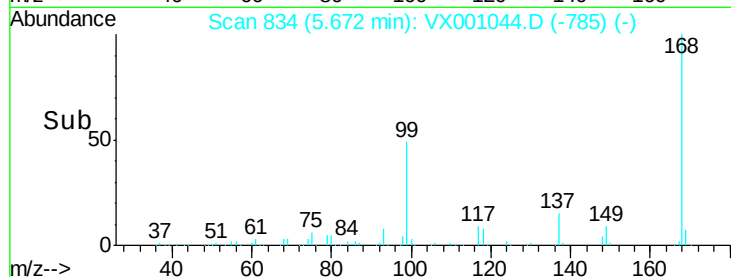
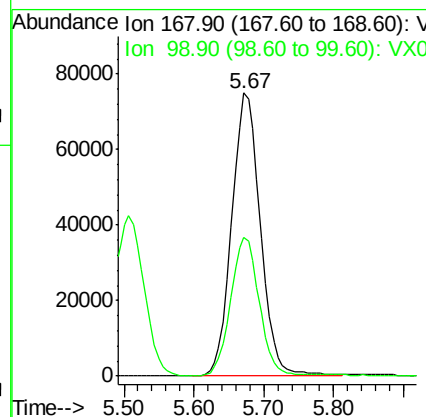
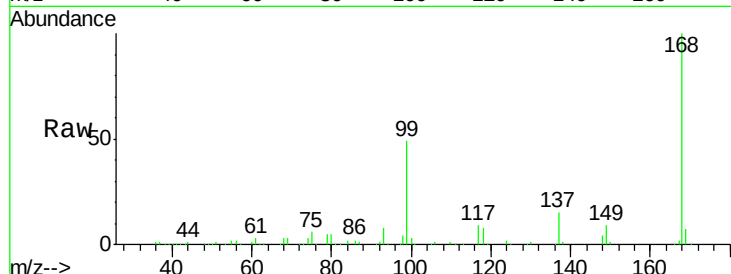
99 48.9 39.2 58.8

Manual Integrations

APPROVED

MMDadoda

4/23/2018 1:27:47 PM



#2

Dichlorodifluoromethane

Concen: 51.69 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX001044.D

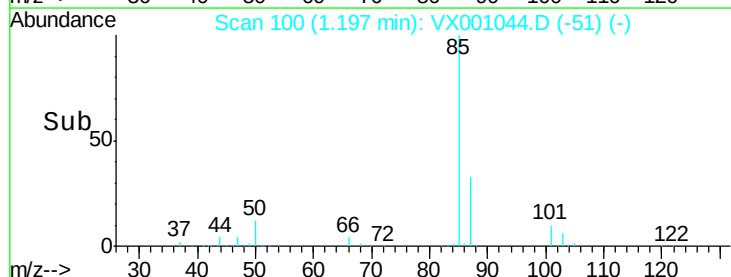
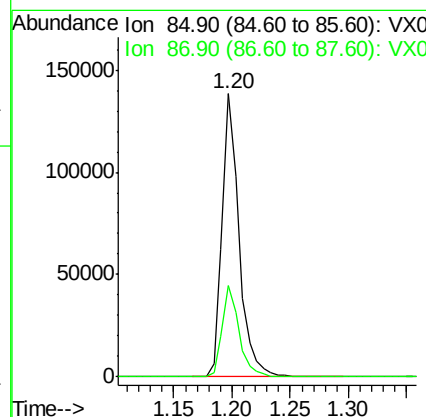
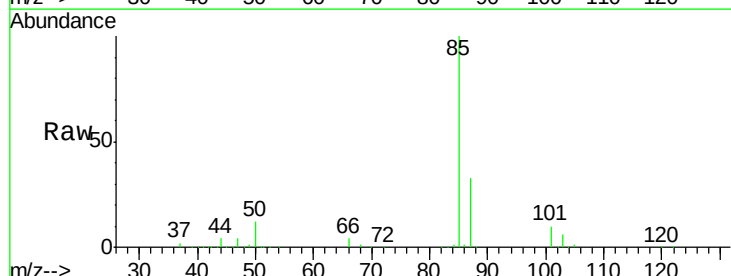
Acq: 21 Apr 2018 07:06

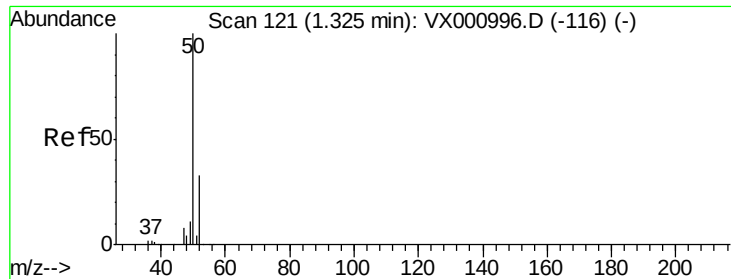
Tgt Ion: 85 Resp: 137278

Ion Ratio Lower Upper

85 100

87 32.5 15.8 47.4





#3

Chloromethane

Concen: 48.11 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX001044.D

Acq: 21 Apr 2018 07:06

Instrument :

MSVOA_X

ClientSampleId :

LF014MW005-180412MS

Tgt Ion: 50 Resp: 118983

Ion Ratio Lower Upper

50 100

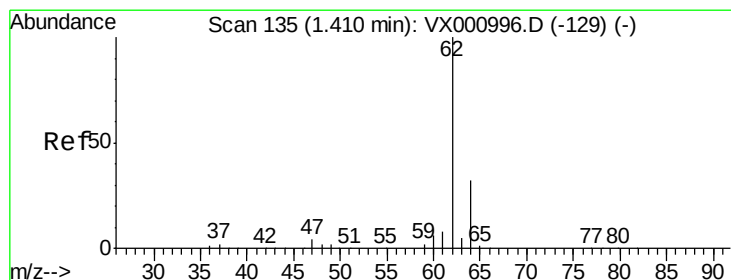
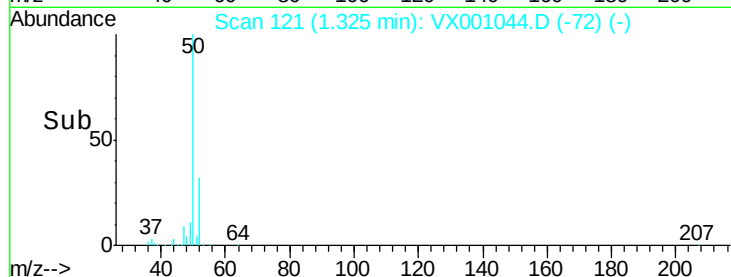
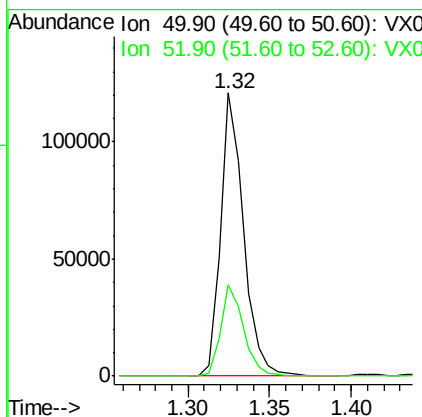
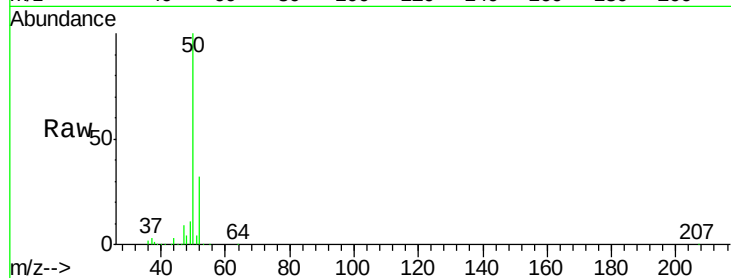
52 32.4 26.3 39.5

Manual Integrations

APPROVED

MMDadoda

4/23/2018 1:27:47 PM



#4

Vinyl Chloride

Concen: 50.07 ug/l

RT: 1.41 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX001044.D

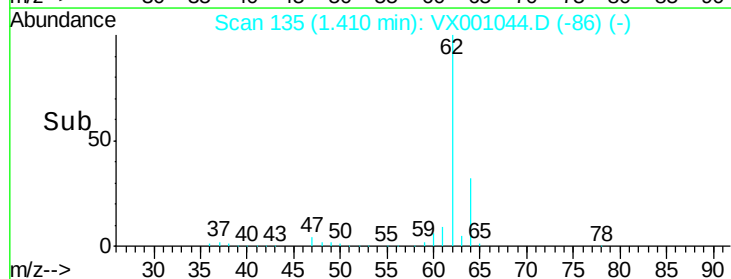
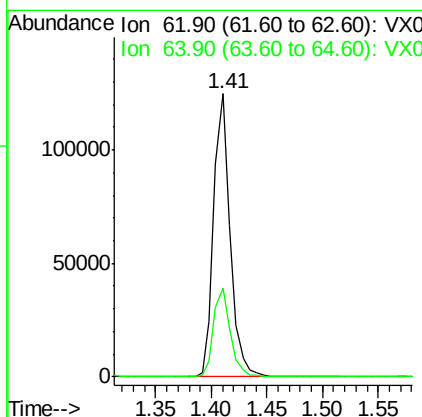
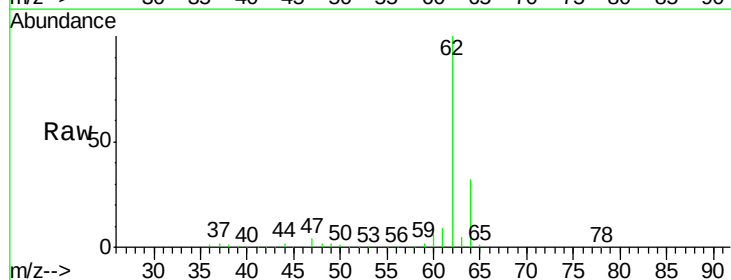
Acq: 21 Apr 2018 07:06

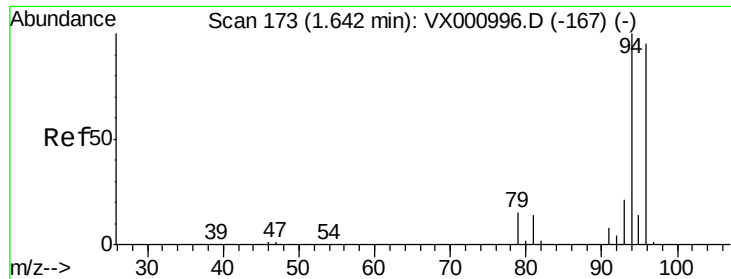
Tgt Ion: 62 Resp: 128349

Ion Ratio Lower Upper

62 100

64 31.5 25.6 38.4





#5

Bromomethane

Concen: 59.60 ug/l

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX001044.D

Acq: 21 Apr 2018 07:06

Instrument :

MSVOA_X

ClientSampleId :

LF014MW005-180412MS

Tgt Ion: 94 Resp: 85699

Ion Ratio Lower Upper

94 100

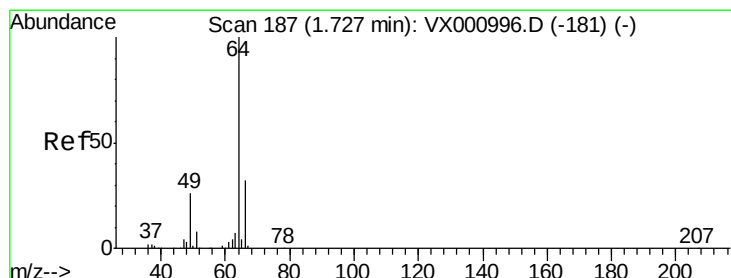
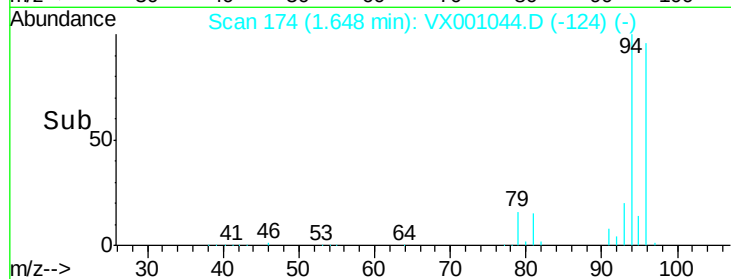
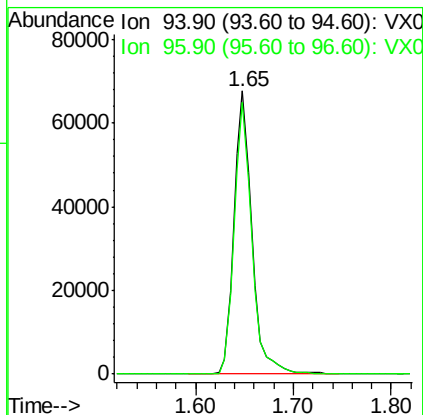
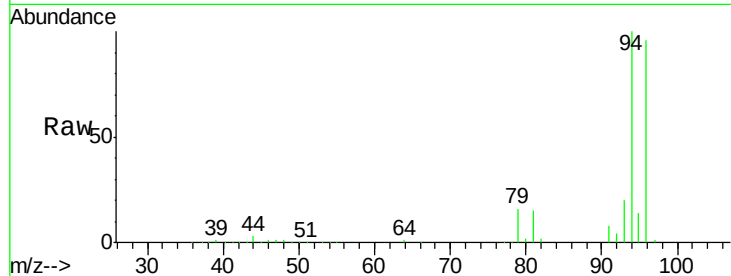
96 95.9 76.0 114.0

Manual Integrations

APPROVED

MMDadoda

4/23/2018 1:27:47 PM



#6

Chloroethane

Concen: 50.22 ug/l

RT: 1.73 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX001044.D

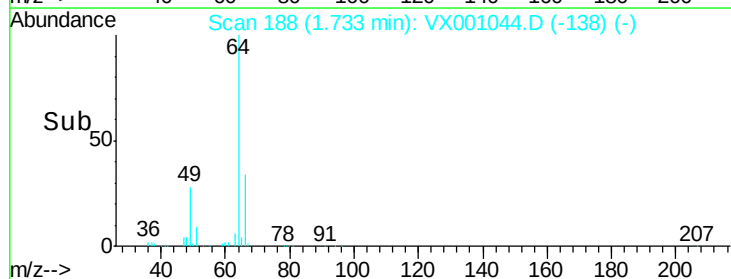
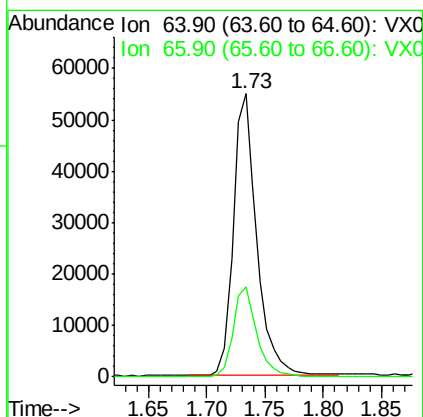
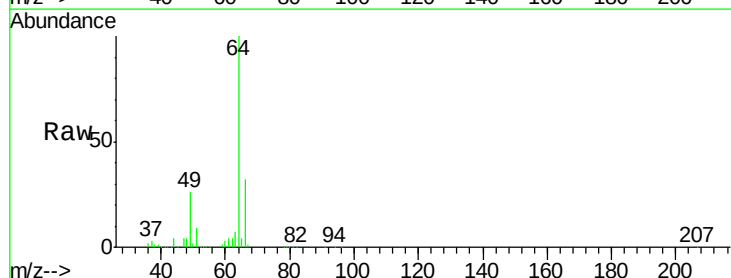
Acq: 21 Apr 2018 07:06

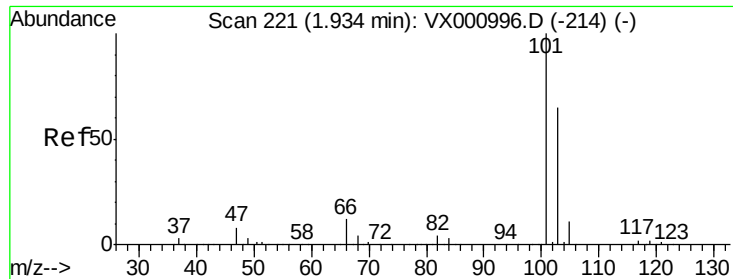
Tgt Ion: 64 Resp: 76487

Ion Ratio Lower Upper

64 100

66 32.1 25.3 37.9





#7

Trichlorofluoromethane

Concen: 51.38 ug/l

RT: 1.93 min Scan# 221

Delta R.T. 0.00 min

Lab File: VX001044.D

Acq: 21 Apr 2018 07:06

Instrument :

MSVOA_X

ClientSampleId :

LF014MW005-180412MS

Tgt Ion: 101 Resp: 197848

Ion Ratio Lower Upper

101 100

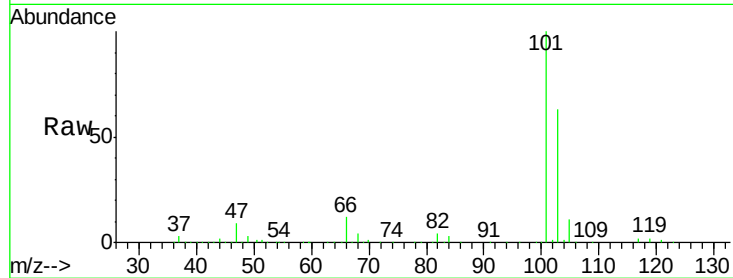
103 63.0 51.8 77.8

Manual Integrations

APPROVED

MMDadoda

4/23/2018 1:27:47 PM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

1.93

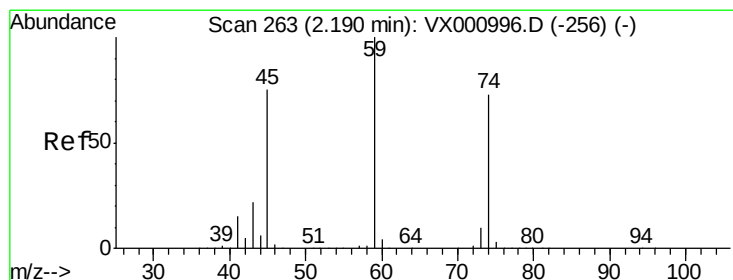
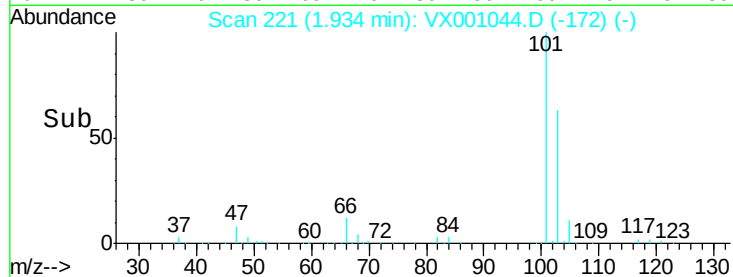
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 50.28 ug/l

RT: 2.19 min Scan# 263

Delta R.T. 0.00 min

Lab File: VX001044.D

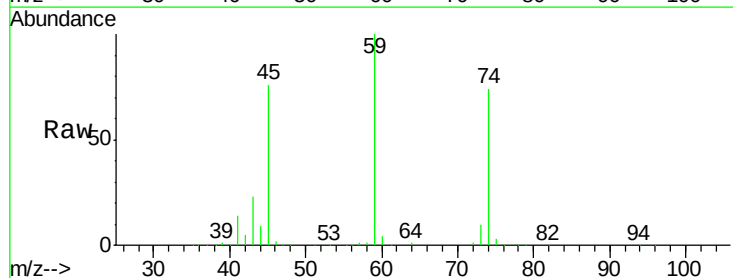
Acq: 21 Apr 2018 07:06

Tgt Ion: 74 Resp: 71521

Ion Ratio Lower Upper

74 100

45 99.2 49.0 147.0



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

2.19

50000

40000

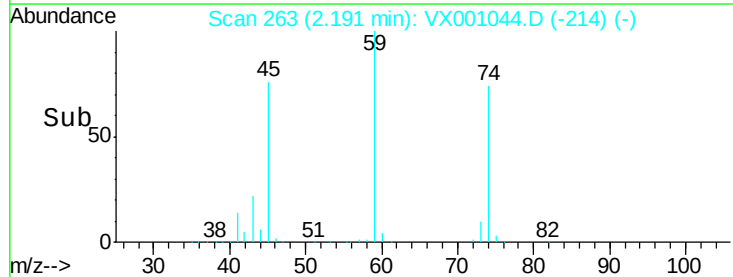
30000

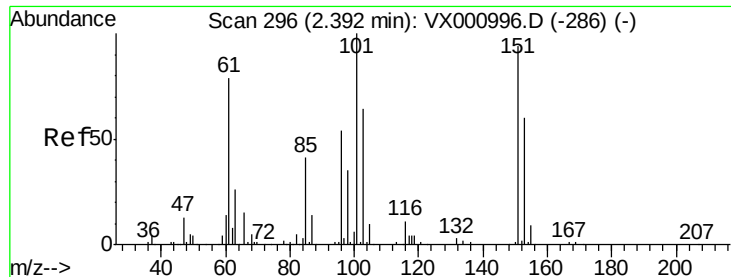
20000

10000

0

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.27 ug/l

RT: 2.39 min Scan# 296

Delta R.T. 0.00 min

Lab File: VX001044.D

Acq: 21 Apr 2018 07:06

Instrument :

MSVOA_X

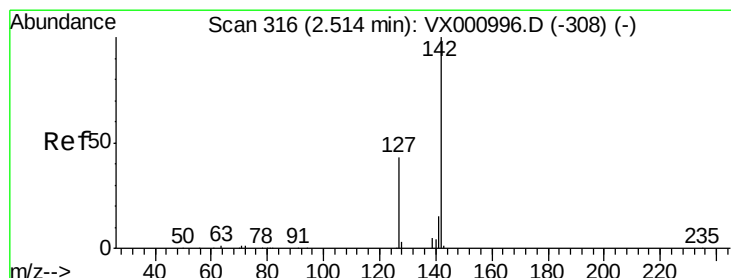
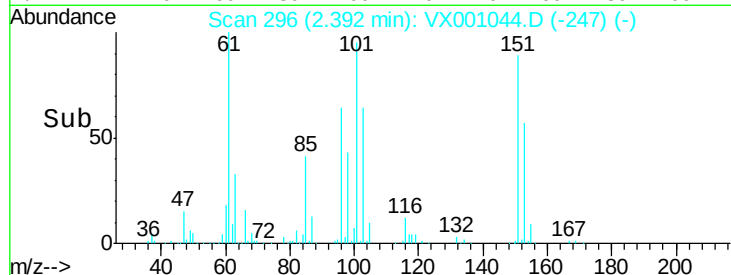
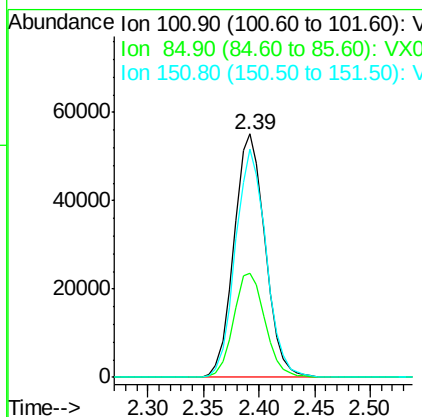
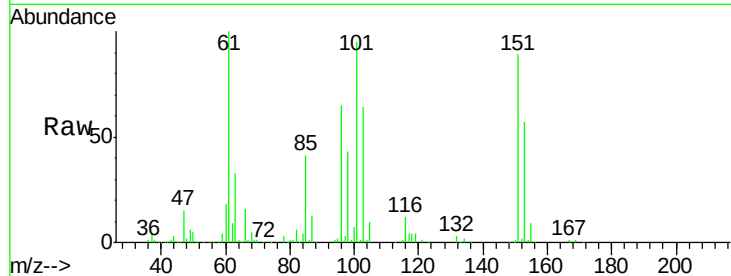
ClientSampleId :

LF014MW005-180412MS

Tgt Ion:	101	Resp:	106661
Ion Ratio	Lower	Upper	
101	100		
85	43.3	33.9	50.9
151	92.8	73.5	110.3

Manual Integrations
APPROVED

MMDadoda
4/23/2018 1:27:47 PM



#10

Methyl Iodide

Concen: 35.94 ug/l

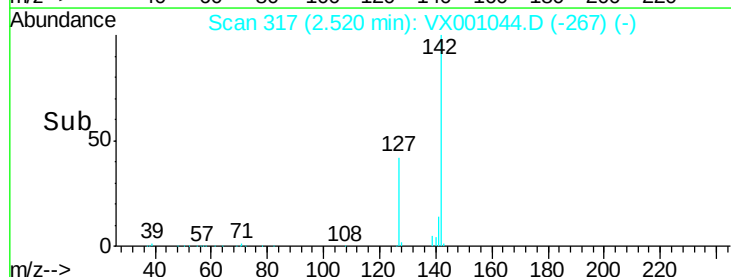
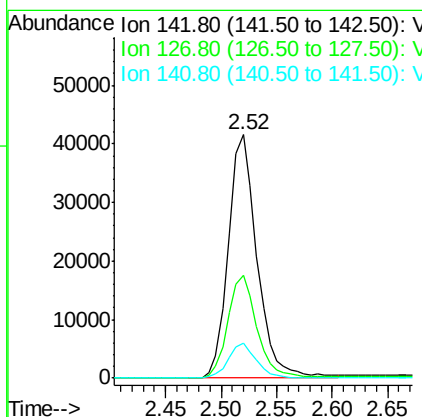
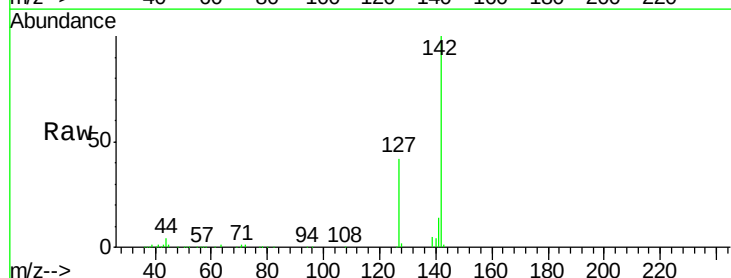
RT: 2.52 min Scan# 317

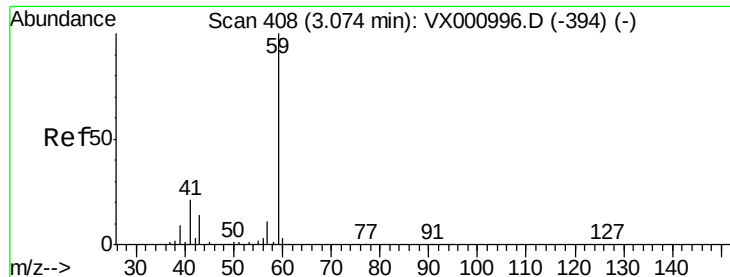
Delta R.T. 0.01 min

Lab File: VX001044.D

Acq: 21 Apr 2018 07:06

Tgt Ion:	142	Resp:	74415
Ion Ratio	Lower	Upper	
142	100		
127	42.5	34.0	51.0
141	14.1	11.4	17.2





#11

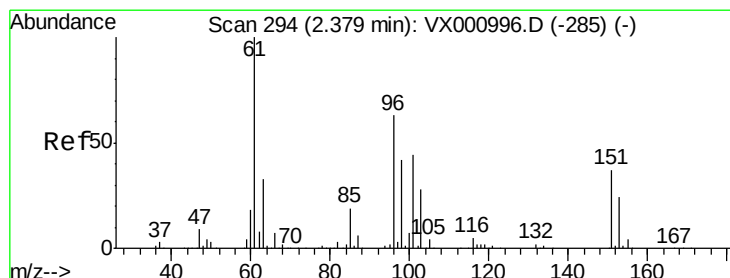
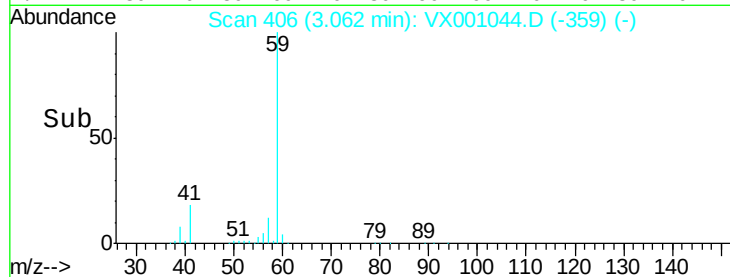
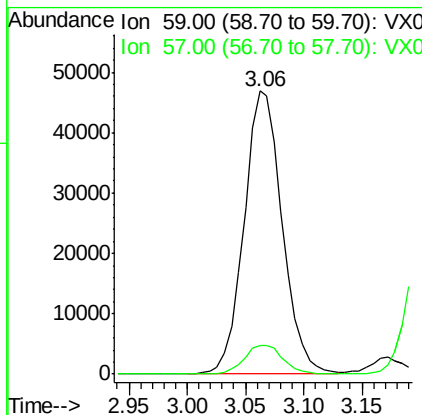
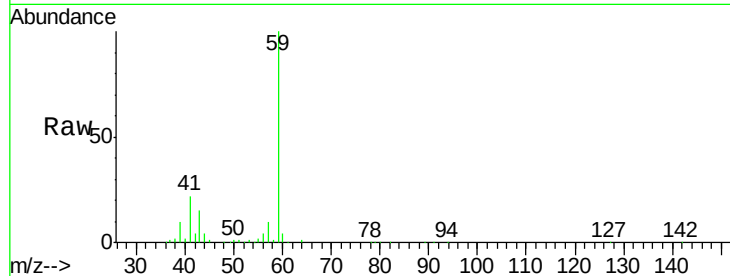
Tert butyl alcohol
 Concen: 261.96 ug/l
 RT: 3.06 min Scan# 406
 Delta R.T. -0.01 min
 Lab File: VX001044.D
 Acq: 21 Apr 2018 07:06

Instrument :
 MSVOA_X
 ClientSampleId :
 LF014MW005-180412MS

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.3	12.5

Manual Integrations
 APPROVED

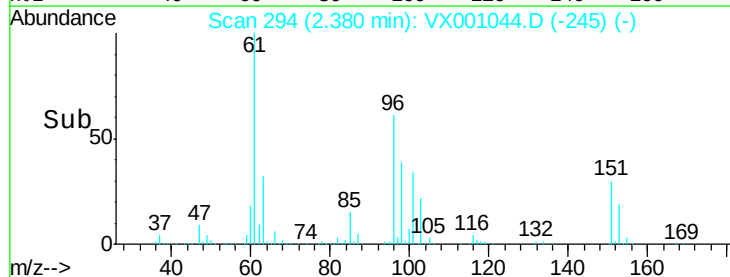
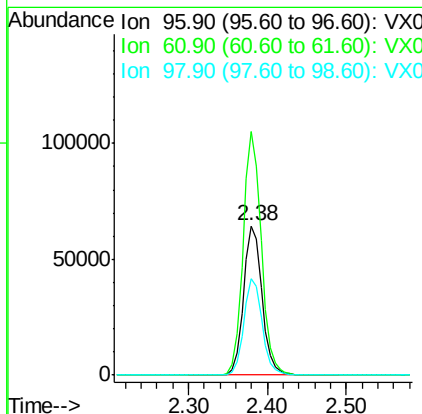
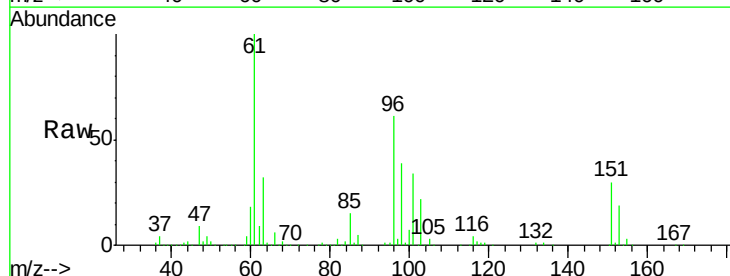
MMDadoda
 4/23/2018 1:27:47 PM

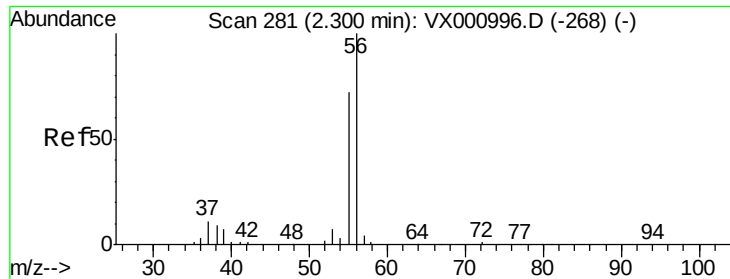


#12

1,1-Dichloroethene
 Concen: 50.02 ug/l
 RT: 2.38 min Scan# 294
 Delta R.T. 0.00 min
 Lab File: VX001044.D
 Acq: 21 Apr 2018 07:06

Tgt Ion	Ratio	Lower	Upper
96	100		
61	163.2	126.4	189.6
98	64.3	52.6	78.8





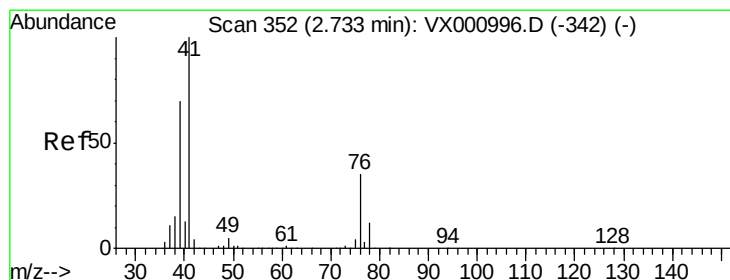
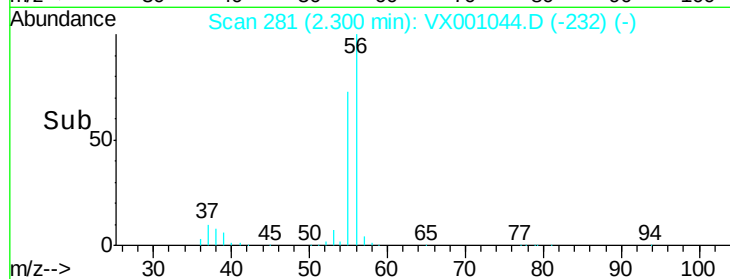
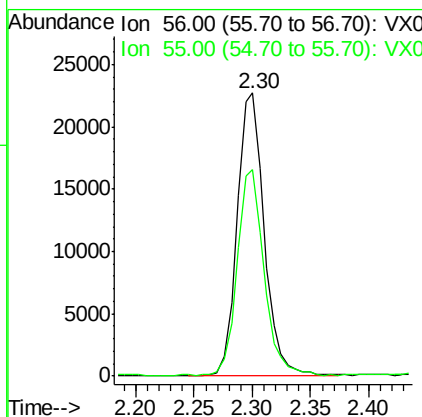
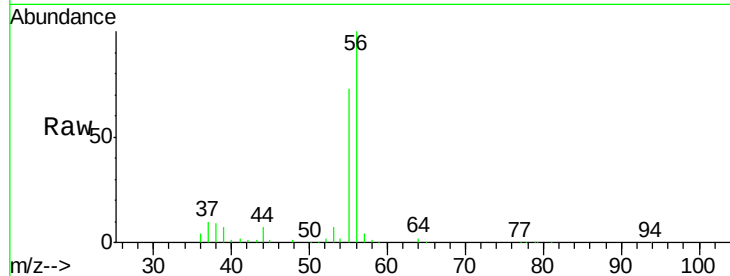
#13
 Acrolein
 Concen: 288.00 ug/l
 RT: 2.30 min Scan# 281
 Delta R.T. 0.00 min
 Lab File: VX001044.D
 Acq: 21 Apr 2018 07:06

Instrument :
 MSVOA_X
 ClientSampleId :
 LF014MW005-180412MS

Tgt Ion	Ratio	Lower	Upper
56	100		
55	73.0	57.4	86.2

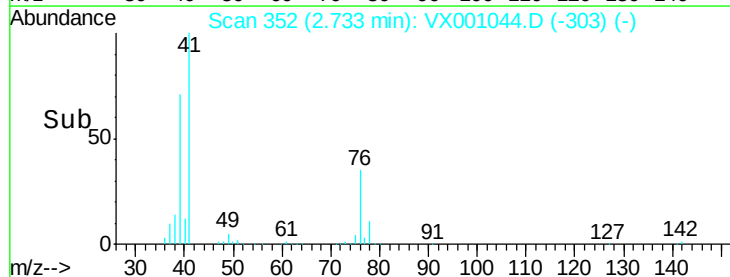
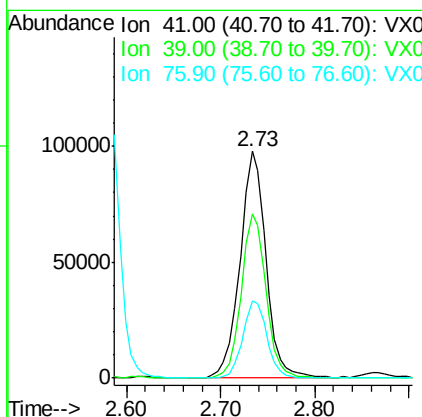
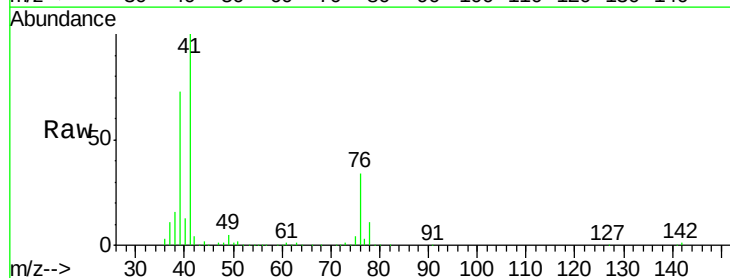
Manual Integrations
 APPROVED

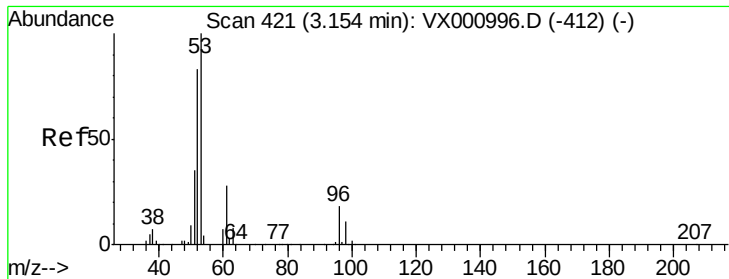
MMDadoda
 4/23/2018 1:27:47 PM



#14
 Allyl chloride
 Concen: 49.69 ug/l
 RT: 2.73 min Scan# 352
 Delta R.T. 0.00 min
 Lab File: VX001044.D
 Acq: 21 Apr 2018 07:06

Tgt Ion	Ratio	Lower	Upper
41	100		
39	68.6	53.0	79.6
76	32.2	25.9	38.9





#15

Acrylonitrile

Concen: 250.33 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX001044.D

Acq: 21 Apr 2018 07:06

Instrument :

MSVOA_X

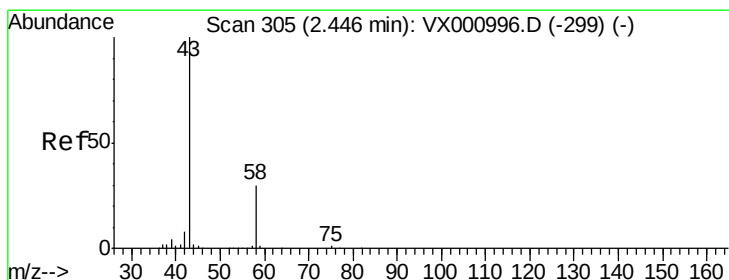
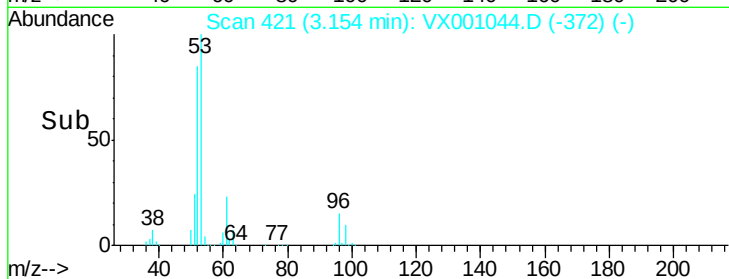
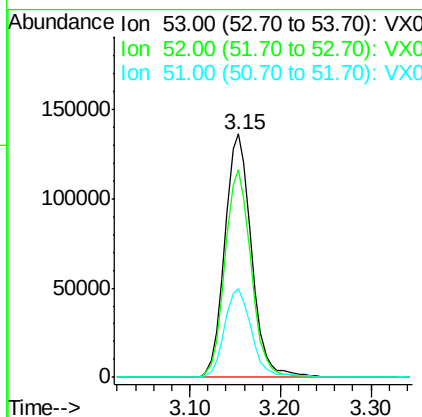
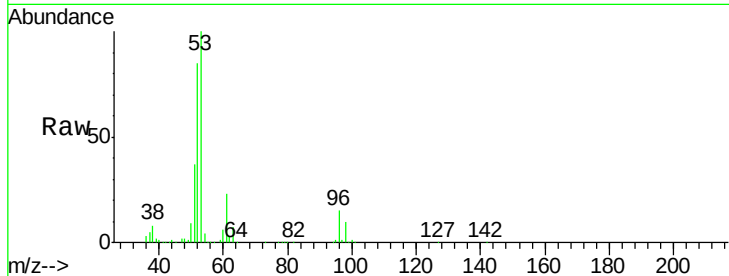
ClientSampleId :

LF014MW005-180412MS

Tgt Ion:	53	Resp:	277358
Ion	Ratio	Lower	Upper
53	100		
52	84.3	66.4	99.6
51	37.1	29.0	43.6

Manual Integrations
APPROVED

MMDadoda
4/23/2018 1:27:47 PM



#16

Acetone

Concen: 228.74 ug/l

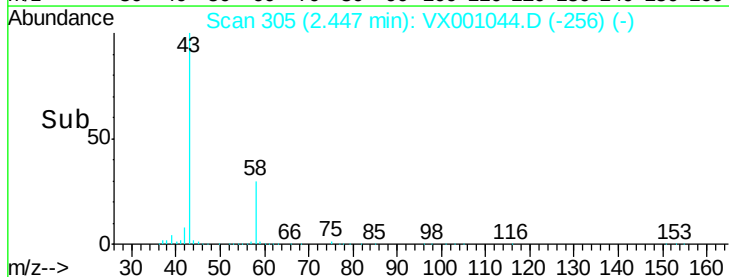
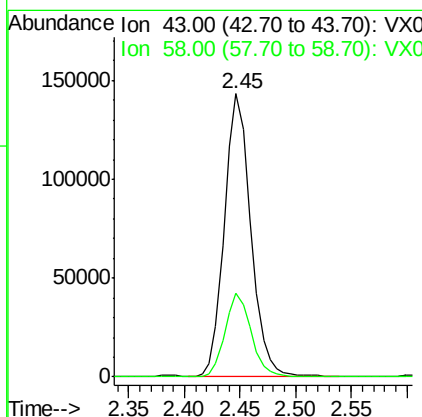
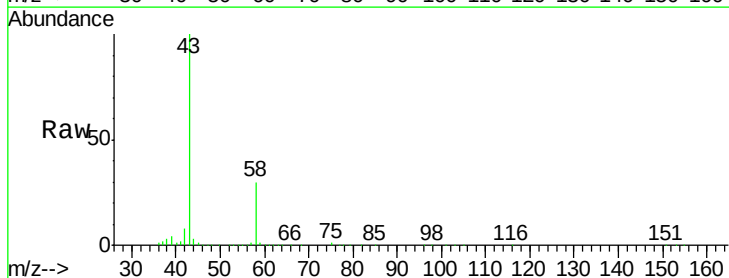
RT: 2.45 min Scan# 305

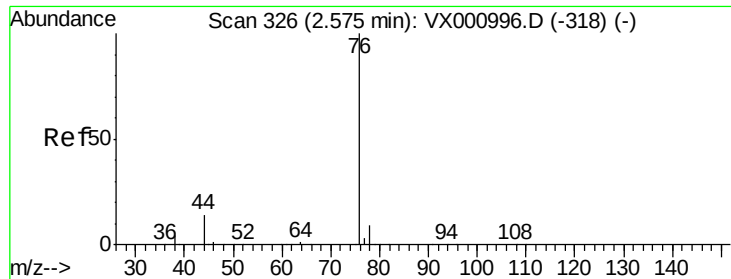
Delta R.T. 0.00 min

Lab File: VX001044.D

Acq: 21 Apr 2018 07:06

Tgt Ion:	43	Resp:	233815
Ion	Ratio	Lower	Upper
43	100		
58	29.6	23.7	35.5





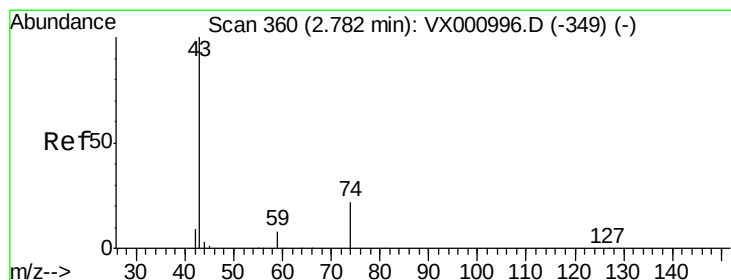
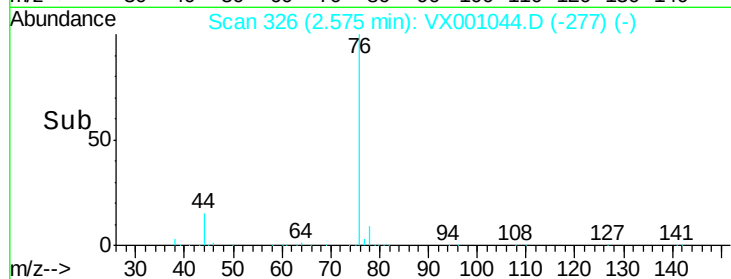
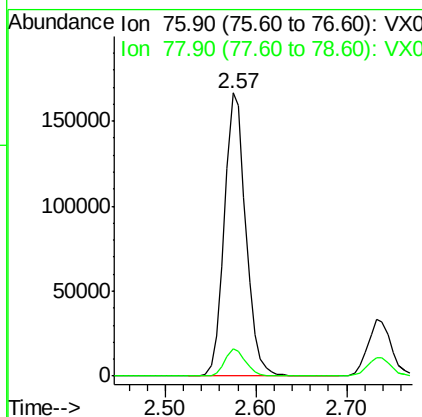
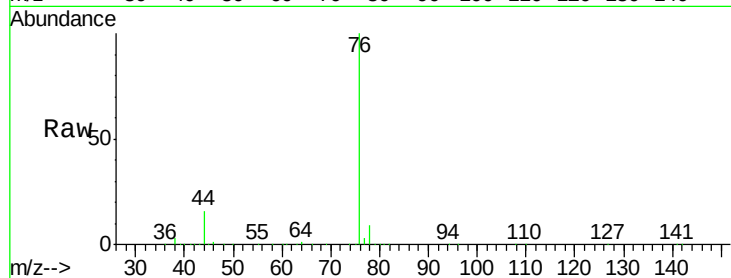
#17
Carbon Disulfide
Concen: 46.08 ug/l
RT: 2.57 min Scan# 326
Delta R.T. 0.00 min
Lab File: VX001044.D
Acq: 21 Apr 2018 07:06

Instrument :
MSVOA_X
ClientSampleId :
LF014MW005-180412MS

Tgt Ion: 76 Resp: 273986
Ion Ratio Lower Upper
76 100
78 9.5 7.3 10.9

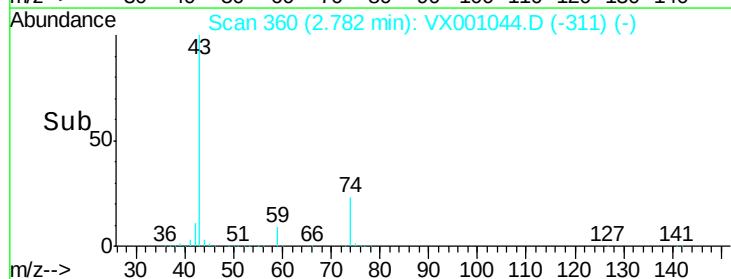
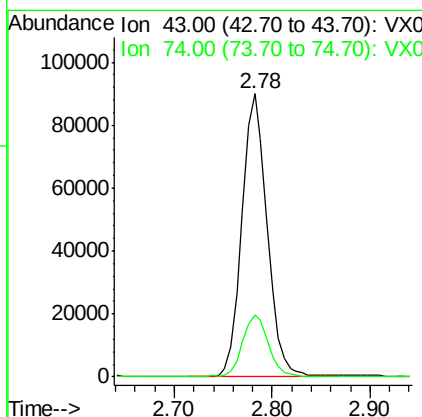
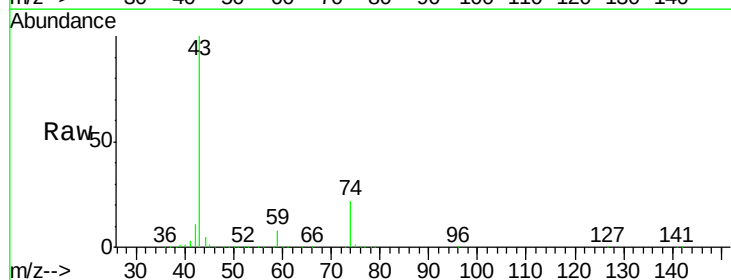
Manual Integrations
APPROVED

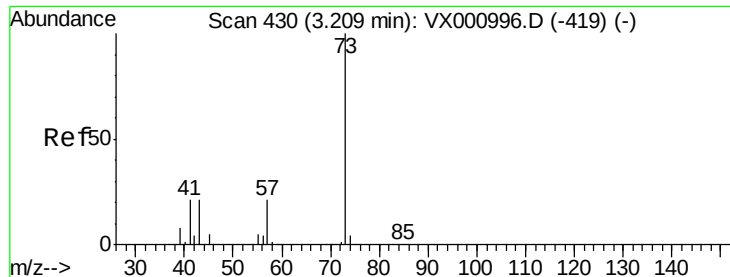
MMDadoda
4/23/2018 1:27:47 PM



#18
Methyl Acetate
Concen: 51.98 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX001044.D
Acq: 21 Apr 2018 07:06

Tgt Ion: 43 Resp: 160780
Ion Ratio Lower Upper
43 100
74 22.7 18.3 27.5





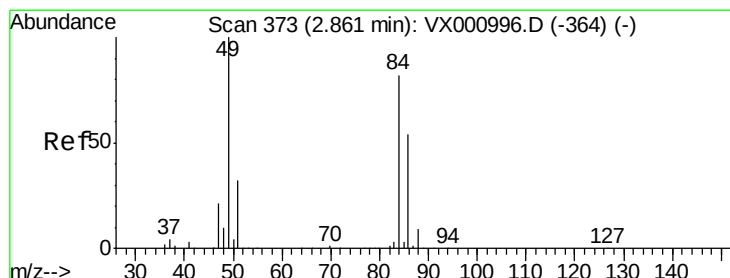
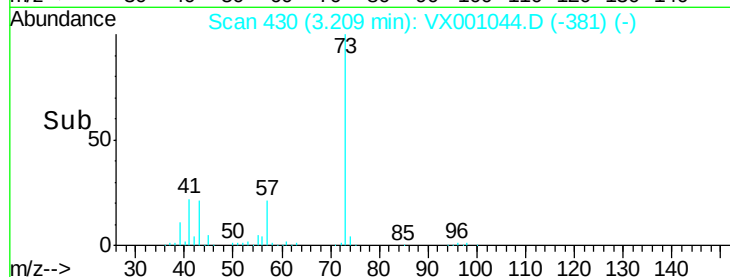
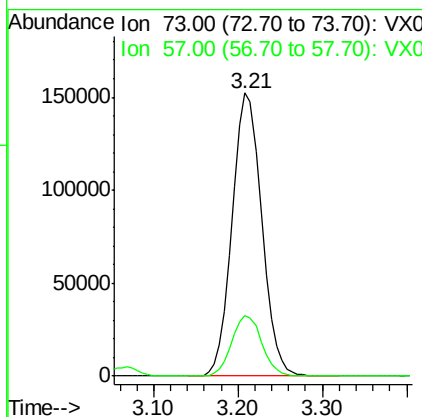
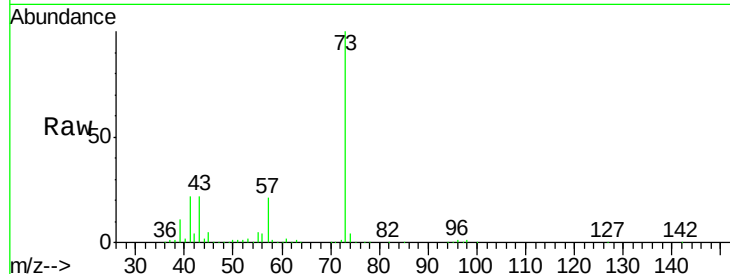
#19
Methyl tert-butyl Ether
Concen: 51.69 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX001044.D
Acq: 21 Apr 2018 07:06

Instrument :
MSVOA_X
ClientSampleId :
LF014MW005-180412MS

Tgt Ion: 73 Resp: 362594
Ion Ratio Lower Upper
73 100
57 21.3 17.1 25.7

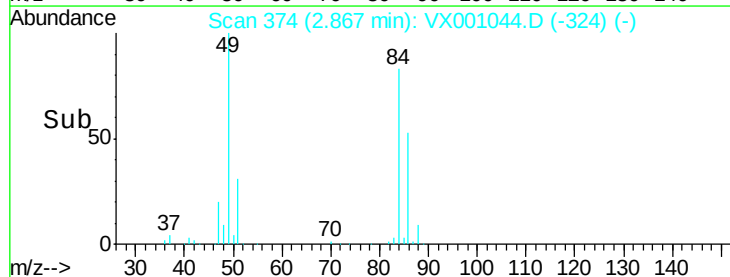
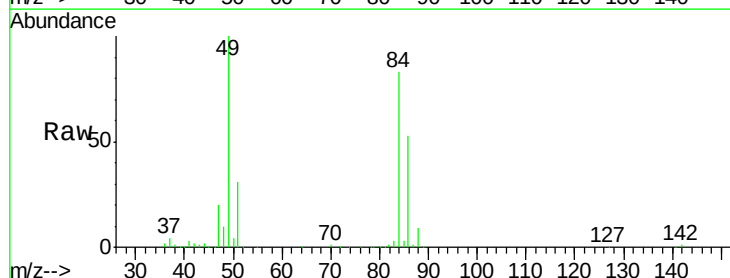
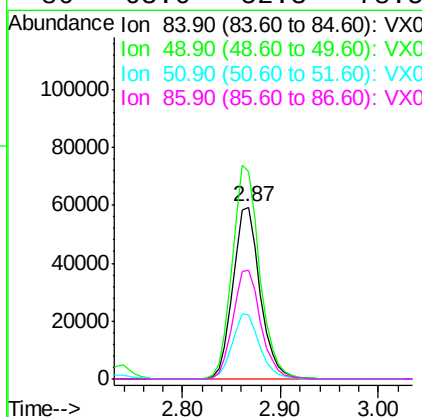
Manual Integrations
APPROVED

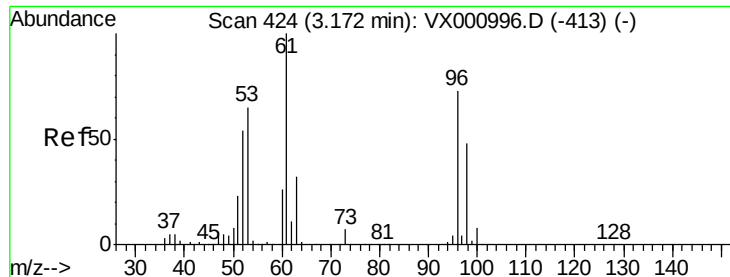
MMDadoda
4/23/2018 1:27:47 PM



#20
Methylene Chloride
Concen: 53.45 ug/l
RT: 2.87 min Scan# 374
Delta R.T. 0.01 min
Lab File: VX001044.D
Acq: 21 Apr 2018 07:06

Tgt Ion: 84 Resp: 114921
Ion Ratio Lower Upper
84 100
49 120.7 97.1 145.7
51 37.2 30.8 46.2
86 63.6 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 48.85 ug/l

RT: 3.17 min Scan# 424

Delta R.T. 0.00 min

Lab File: VX001044.D

Acq: 21 Apr 2018 07:06

Instrument :

MSVOA_X

ClientSampleId :

LF014MW005-180412MS

Tgt Ion: 96 Resp: 113462

Ion Ratio Lower Upper

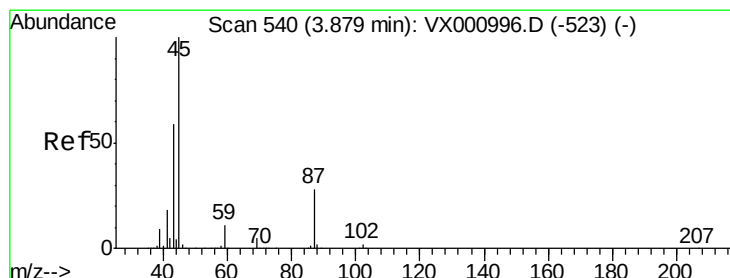
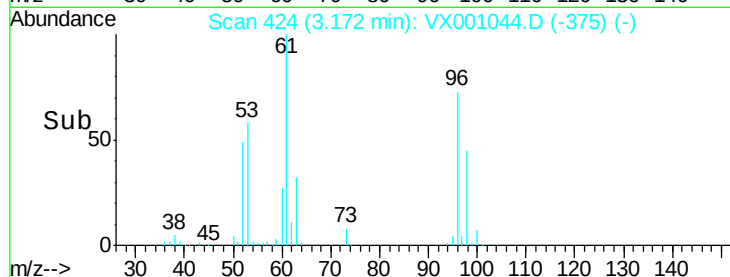
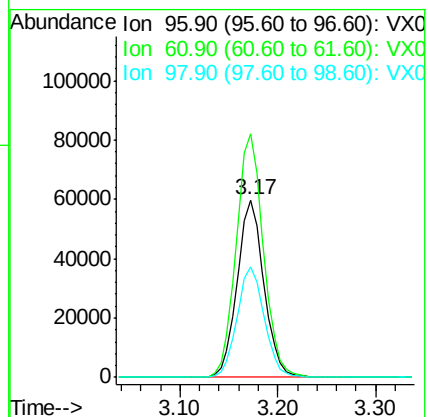
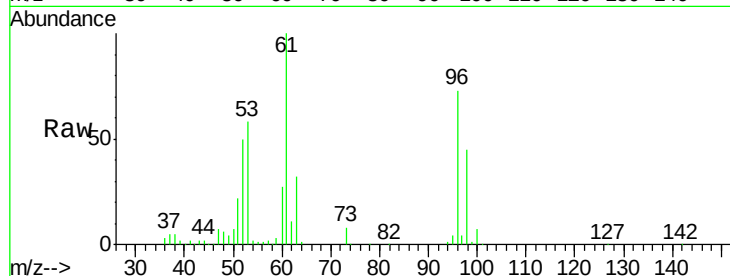
96 100

61 137.4 109.4 164.2

98 62.2 52.6 78.8

Manual Integrations
APPROVED

MMDadoda
4/23/2018 1:27:47 PM



#22

Diisopropyl ether

Concen: 52.11 ug/l

RT: 3.88 min Scan# 540

Delta R.T. 0.00 min

Lab File: VX001044.D

Acq: 21 Apr 2018 07:06

Tgt Ion: 45 Resp: 380861

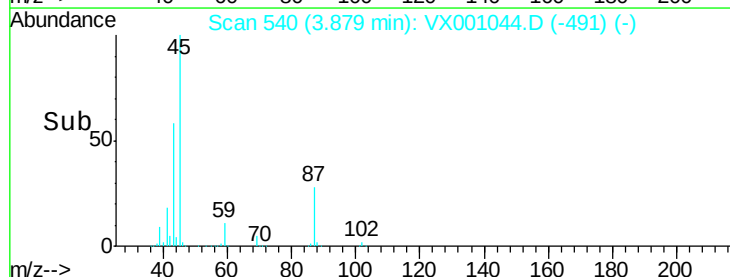
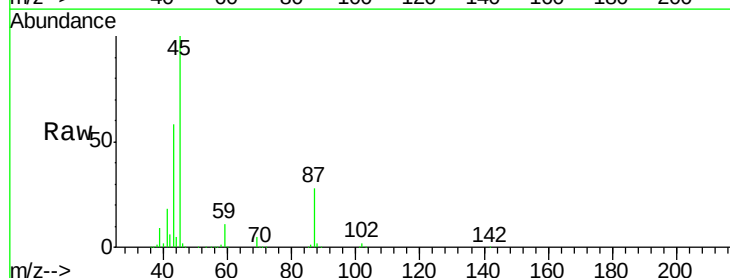
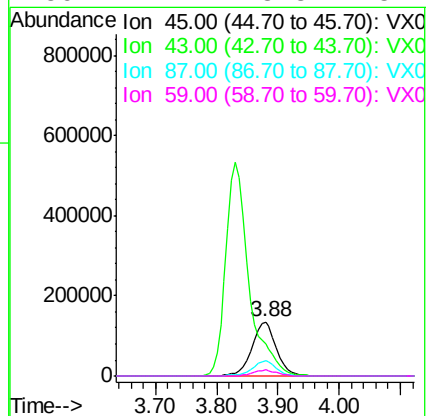
Ion Ratio Lower Upper

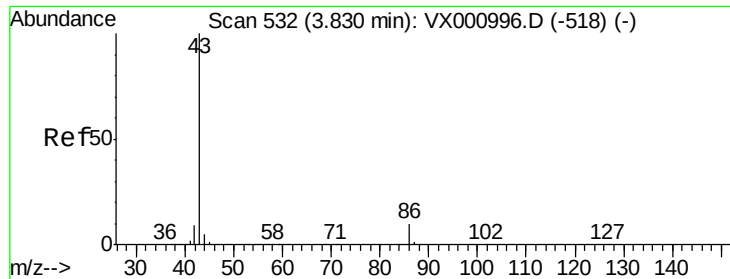
45 100

43 58.2 47.0 70.4

87 27.8 22.5 33.7

59 11.2 8.8 13.2





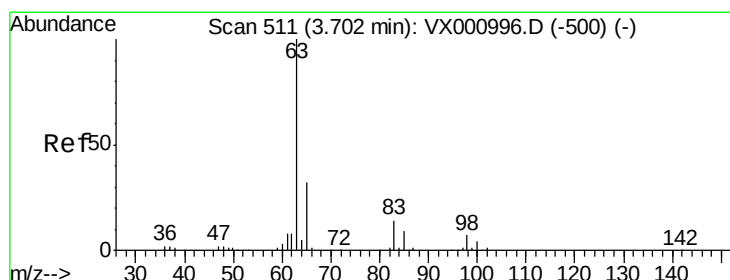
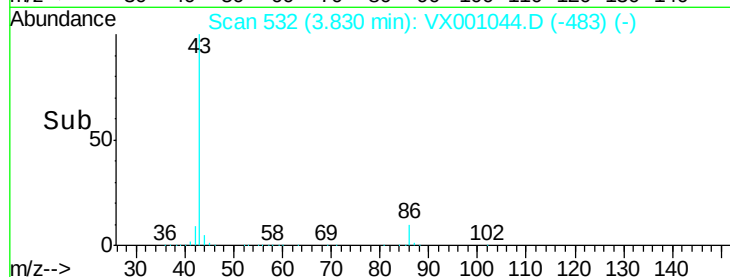
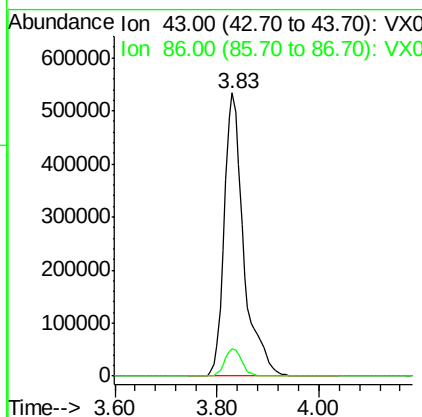
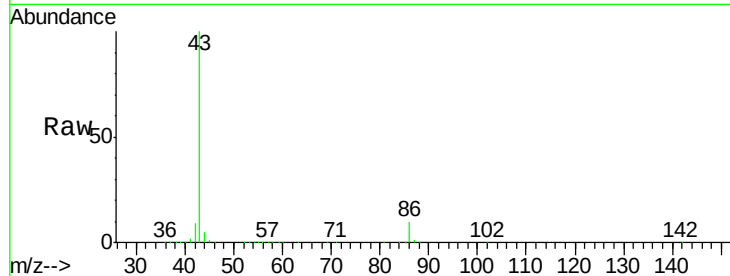
#23
 Vinyl Acetate
 Concen: 232.48 ug/l
 RT: 3.83 min Scan# 532
 Delta R.T. 0.00 min
 Lab File: VX001044.D
 Acq: 21 Apr 2018 07:06

Instrument :
 MSVOA_X
 ClientSampleId :
 LF014MW005-180412MS

Tgt Ion: 43 Resp: 1406837
 Ion Ratio Lower Upper
 43 100
 86 9.9 8.1 12.1

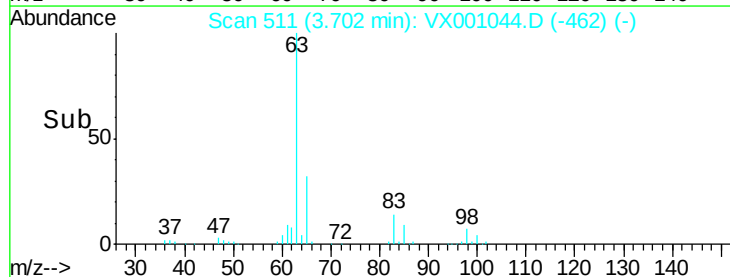
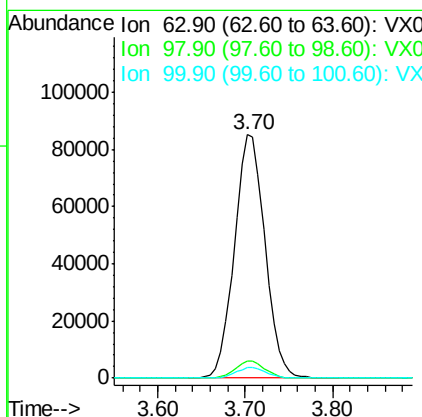
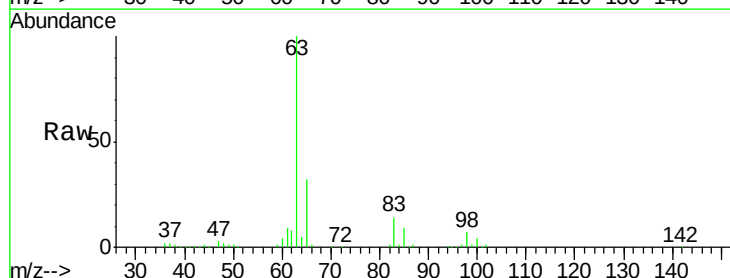
Manual Integrations
 APPROVED

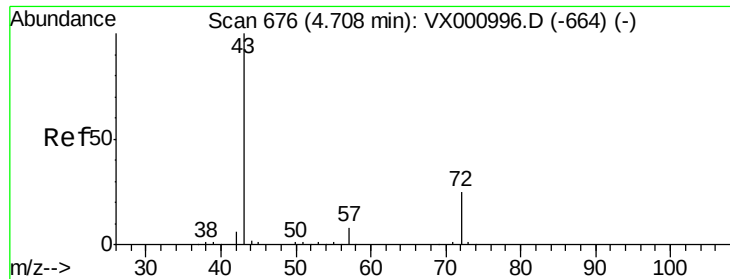
MMDadoda
 4/23/2018 1:27:47 PM



#24
 1,1-Dichloroethane
 Concen: 50.45 ug/l
 RT: 3.70 min Scan# 511
 Delta R.T. 0.00 min
 Lab File: VX001044.D
 Acq: 21 Apr 2018 07:06

Tgt Ion: 63 Resp: 206843
 Ion Ratio Lower Upper
 63 100
 98 6.9 3.4 10.1
 100 4.2 2.1 6.3





#25

2-Butanone

Concen: 246.87 ug/l

RT: 4.71 min Scan# 676

Delta R.T. 0.00 min

Lab File: VX001044.D

Acq: 21 Apr 2018 07:06

Instrument :

MSVOA_X

ClientSampleId :

LF014MW005-180412MS

Tgt Ion: 43 Resp: 393934

Ion Ratio Lower Upper

43 100

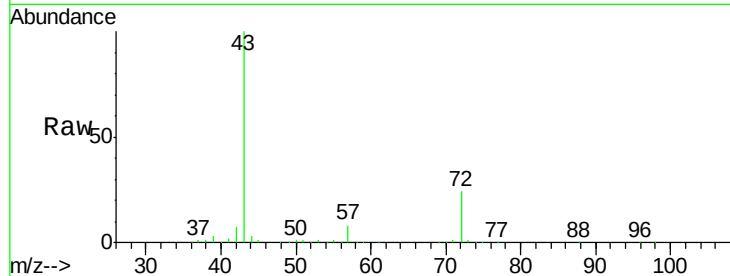
72 24.2 19.9 29.9

Manual Integrations

APPROVED

MMDadoda

4/23/2018 1:27:47 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

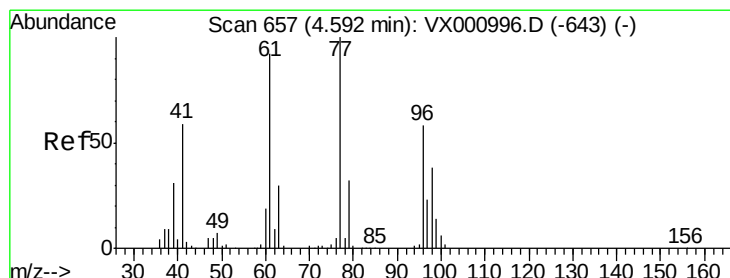
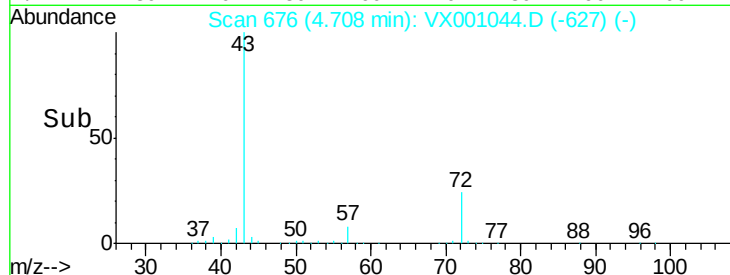
150000

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 38.87 ug/l

RT: 4.59 min Scan# 657

Delta R.T. 0.00 min

Lab File: VX001044.D

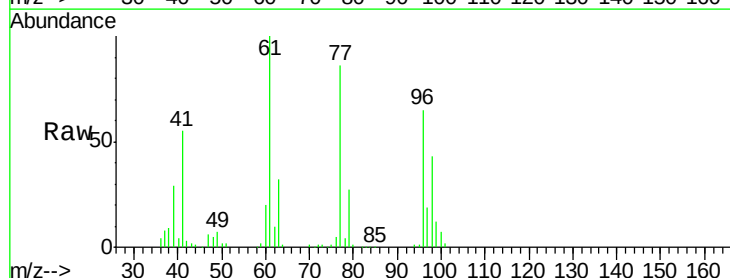
Acq: 21 Apr 2018 07:06

Tgt Ion: 77 Resp: 137085

Ion Ratio Lower Upper

77 100

97 23.6 11.5 34.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

50000

40000

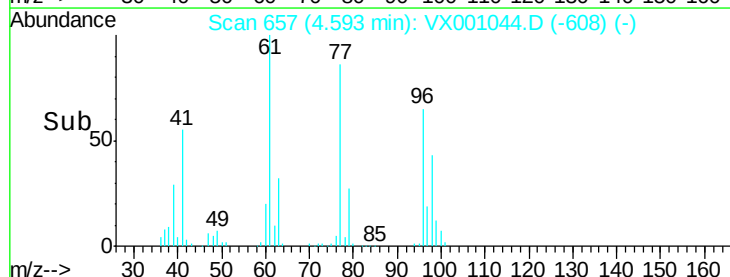
30000

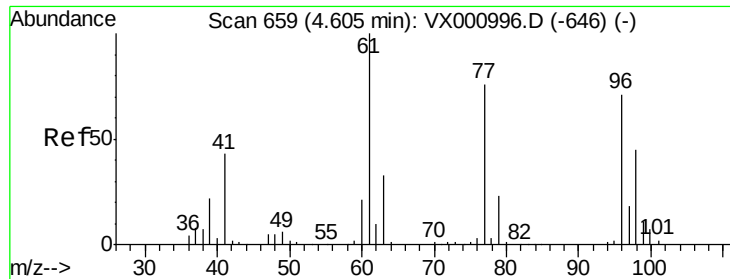
20000

10000

0

Time-->





#27

cis-1,2-Dichloroethene

Concen: 50.62 ug/l

RT: 4.60 min Scan# 659

Delta R.T. 0.00 min

Lab File: VX001044.D

Acq: 21 Apr 2018 07:06

Instrument :

MSVOA_X

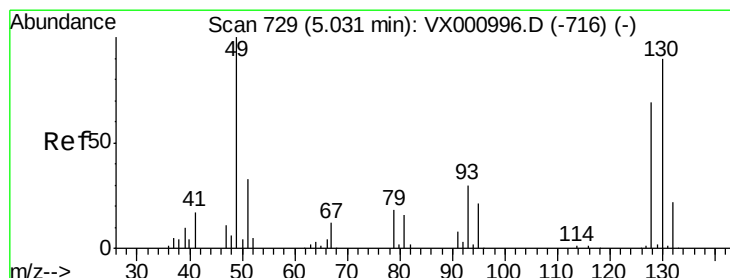
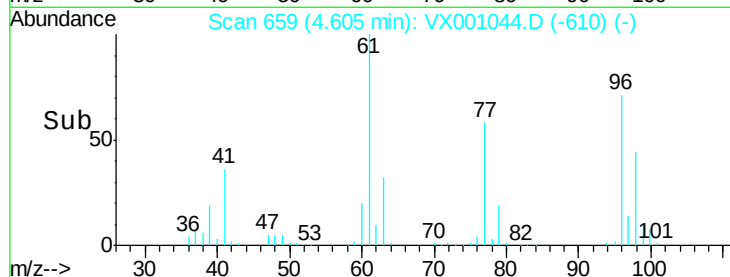
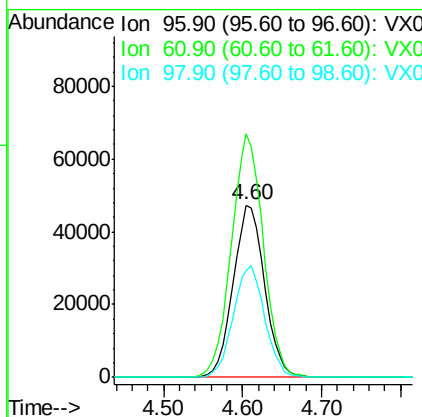
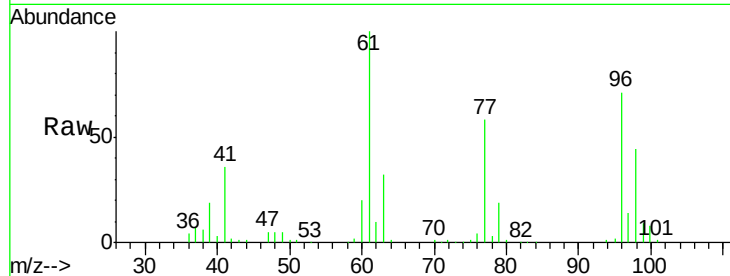
ClientSampleId :

LF014MW005-180412MS

Tgt Ion:	96	Resp:	130970
Ion	Ratio	Lower	Upper
96	100		
61	143.6	0.0	297.0
98	65.3	0.0	130.0

Manual Integrations
APPROVED

MMDadoda
4/23/2018 1:27:47 PM



#28

Bromochloromethane

Concen: 54.84 ug/l

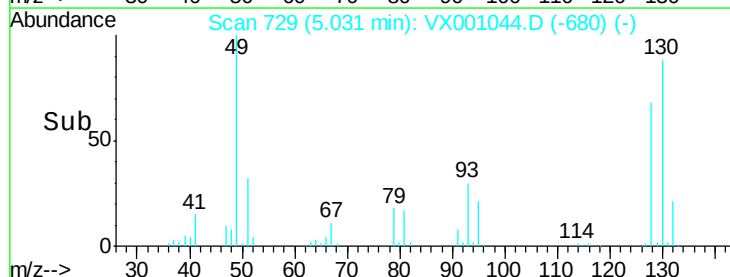
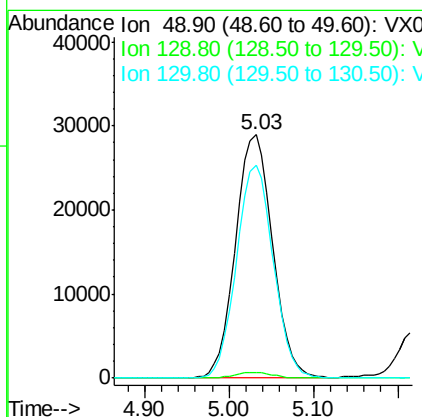
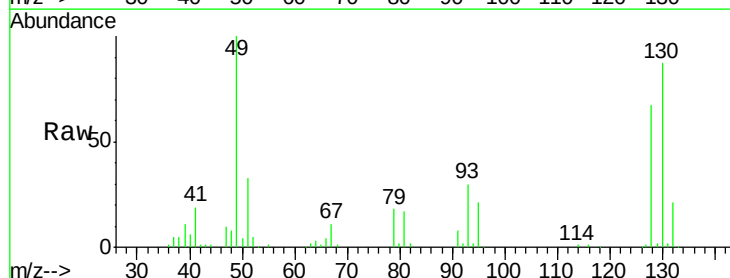
RT: 5.03 min Scan# 729

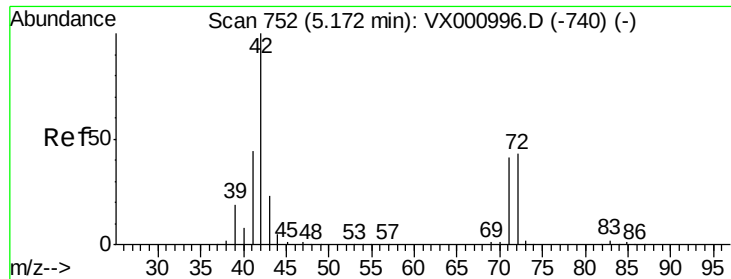
Delta R.T. 0.00 min

Lab File: VX001044.D

Acq: 21 Apr 2018 07:06

Tgt Ion:	49	Resp:	86473
Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.8
130	86.9	70.6	105.8





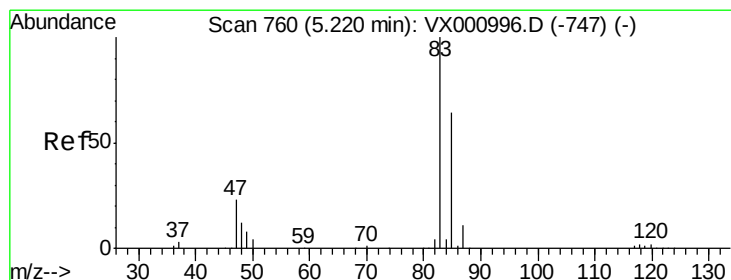
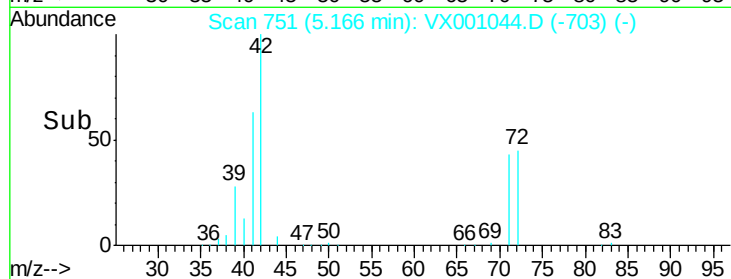
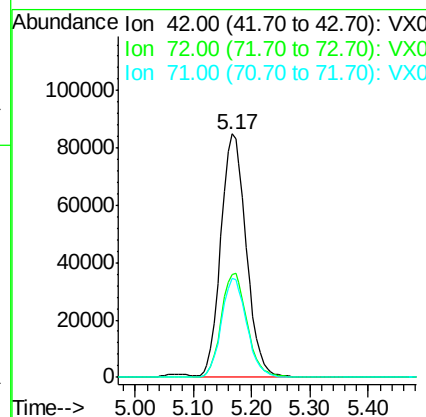
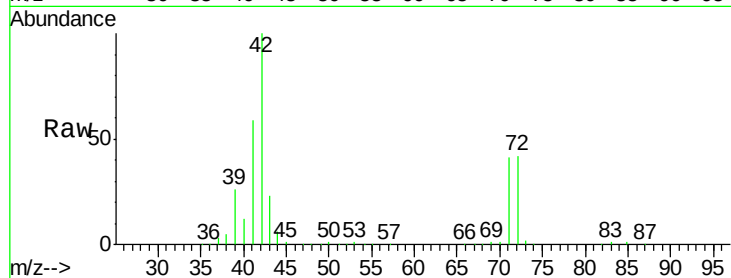
#29
Tetrahydrofuran
Concen: 253.97 ug/l
RT: 5.17 min Scan# 751
Delta R.T. -0.01 min
Lab File: VX001044.D
Acq: 21 Apr 2018 07:06

Instrument :
MSVOA_X
ClientSampleId :
LF014MW005-180412MS

Tgt Ion: 42 Resp: 256093
Ion Ratio Lower Upper
42 100
72 43.4 34.6 52.0
71 40.3 32.6 49.0

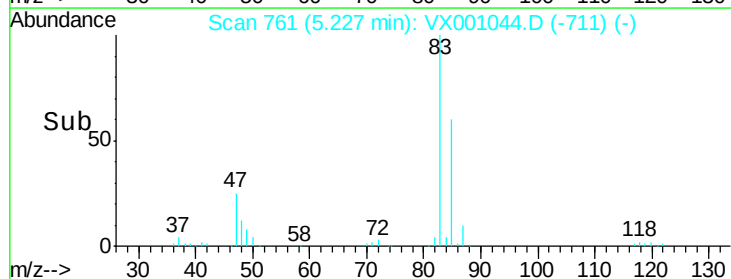
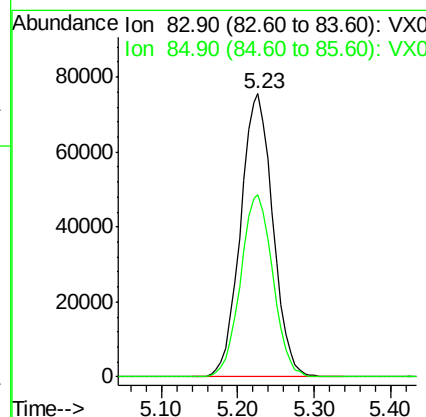
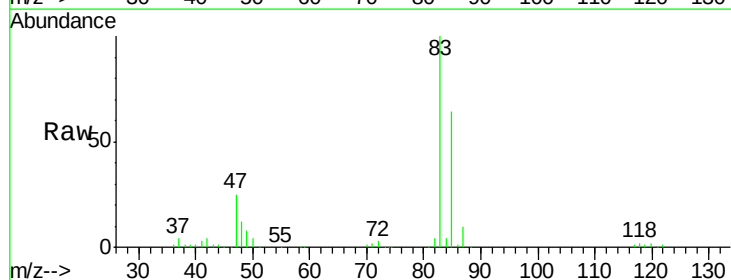
Manual Integrations
APPROVED

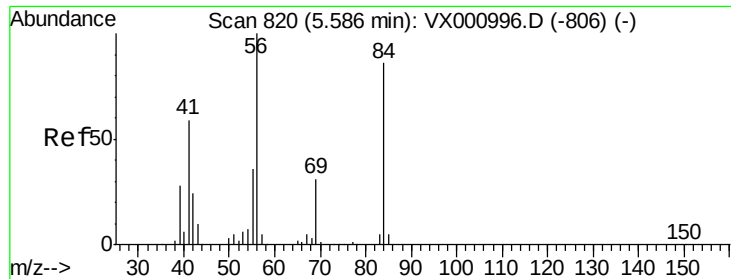
MMDadoda
4/23/2018 1:27:47 PM



#30
Chloroform
Concen: 52.01 ug/l
RT: 5.23 min Scan# 761
Delta R.T. 0.01 min
Lab File: VX001044.D
Acq: 21 Apr 2018 07:06

Tgt Ion: 83 Resp: 220829
Ion Ratio Lower Upper
83 100
85 64.4 51.3 76.9





#31

Cyclohexane

Concen: 47.76 ug/l

RT: 5.59 min Scan# 820

Delta R.T. 0.00 min

Lab File: VX001044.D

Acq: 21 Apr 2018 07:06

Instrument :

MSVOA_X

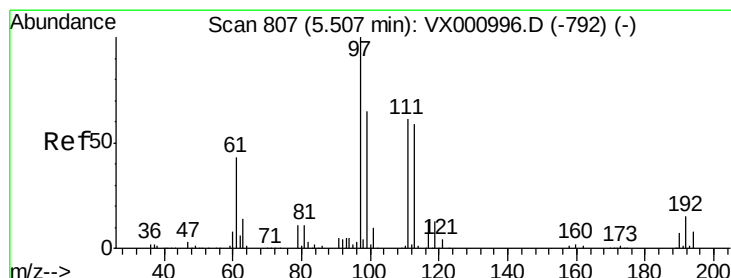
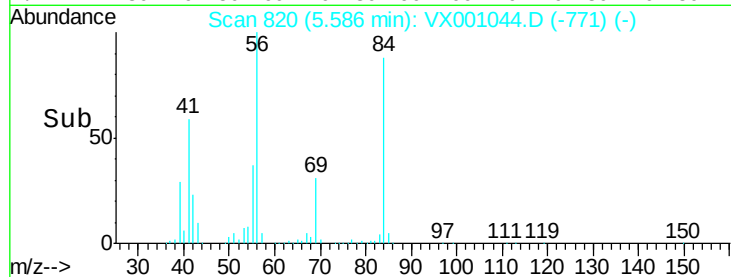
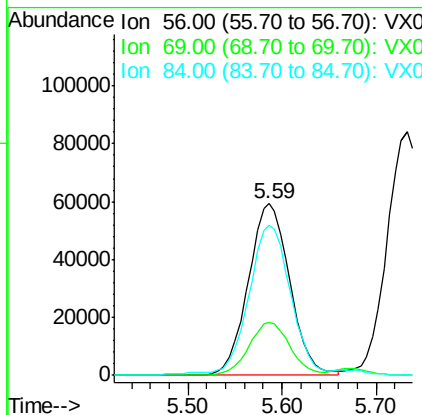
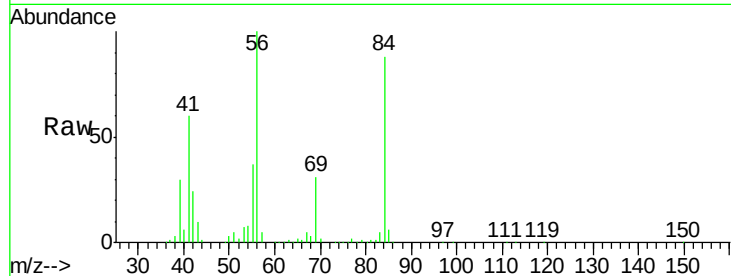
ClientSampleId :

LF014MW005-180412MS

Tgt Ion:	56	Resp:	182780
Ion Ratio		Lower	Upper
56	100		
69	30.9	24.6	36.8
84	86.2	69.0	103.6

Manual Integrations
APPROVED

MMDadoda
4/23/2018 1:27:47 PM



#32

1,1,1-Trichloroethane

Concen: 51.99 ug/l

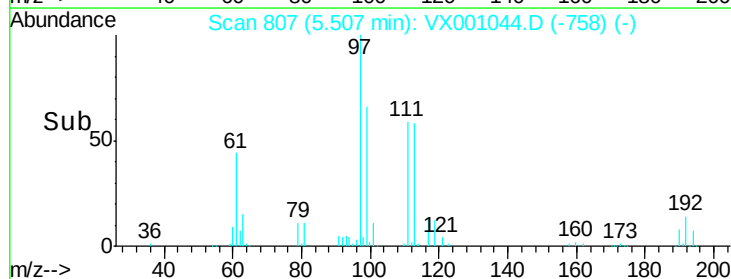
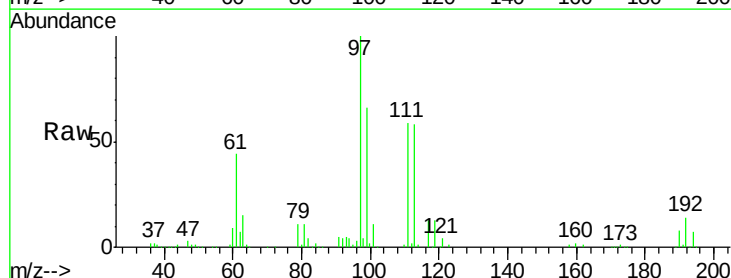
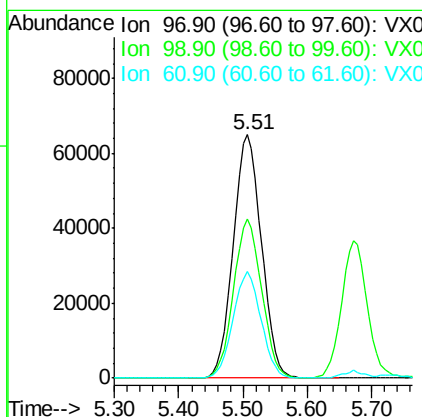
RT: 5.51 min Scan# 807

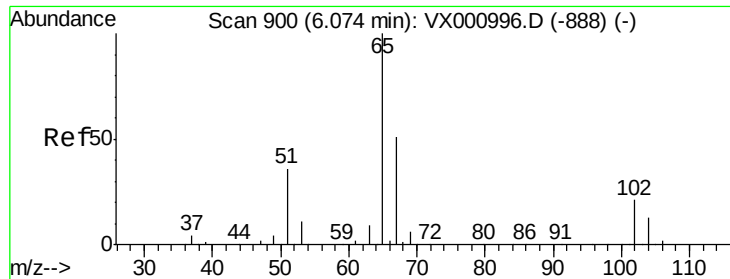
Delta R.T. 0.00 min

Lab File: VX001044.D

Acq: 21 Apr 2018 07:06

Tgt Ion:	97	Resp:	197930
Ion Ratio		Lower	Upper
97	100		
99	65.1	51.1	76.7
61	43.6	34.4	51.6





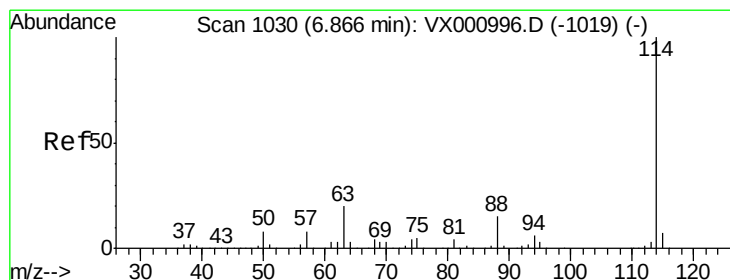
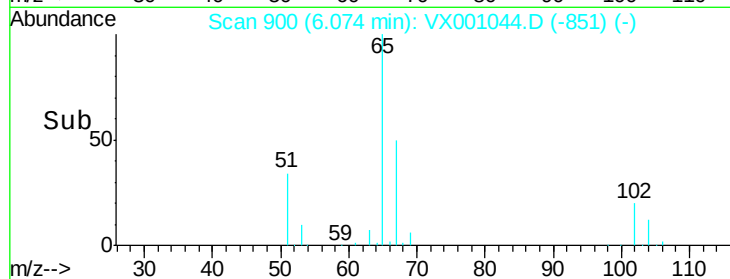
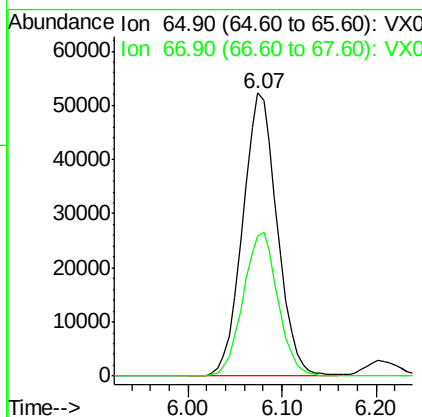
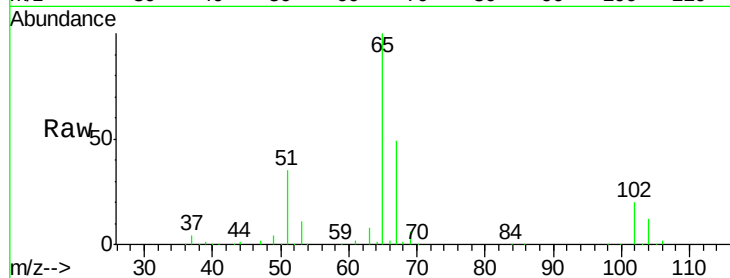
#33
 1,2-Dichloroethane-d4
 Concen: 49.44 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX001044.D
 Acq: 21 Apr 2018 07:06

Instrument :
 MSVOA_X
 ClientSampleId :
 LF014MW005-180412MS

Tgt Ion: 65 Resp: 134202
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 102.6

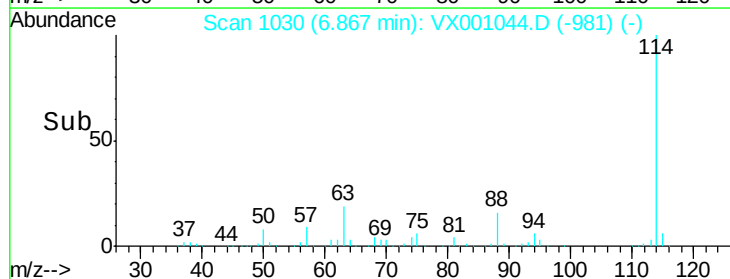
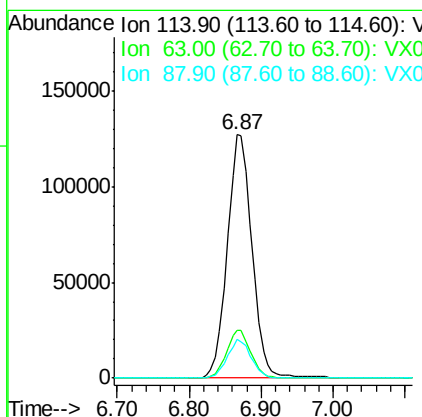
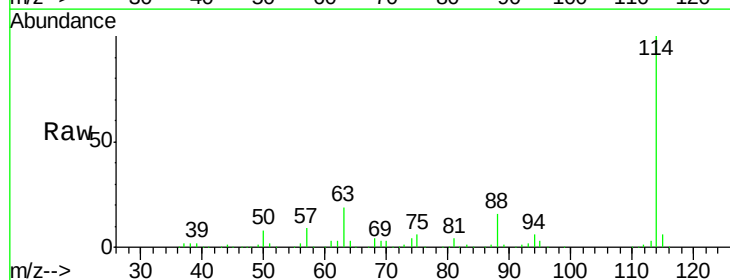
Manual Integrations
 APPROVED

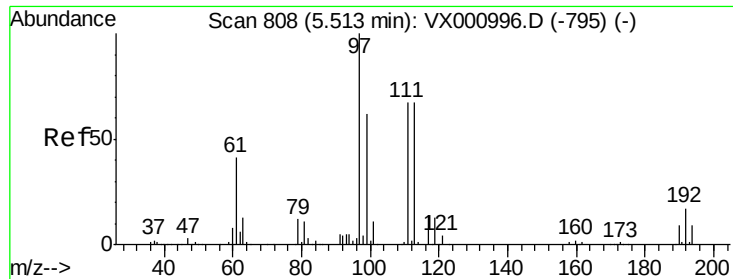
MMDadoda
 4/23/2018 1:27:47 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX001044.D
 Acq: 21 Apr 2018 07:06

Tgt Ion: 114 Resp: 304812
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 39.4
 88 16.0 0.0 29.8





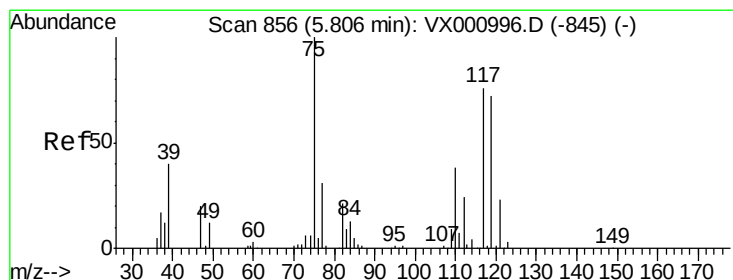
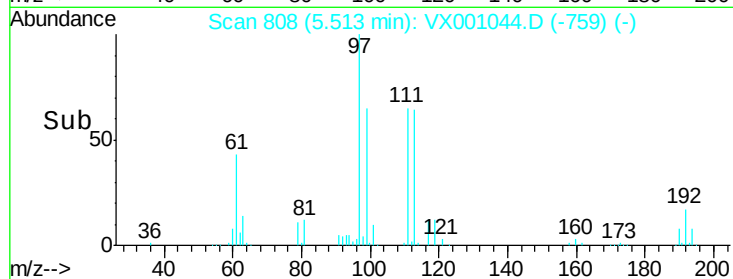
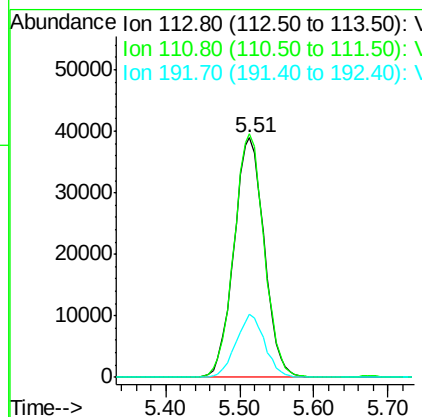
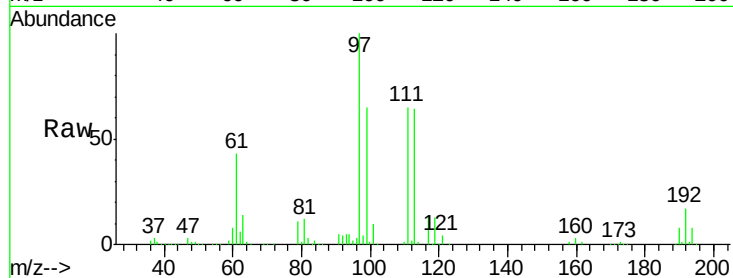
#35
 Dibromofluoromethane
 Concen: 47.69 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. 0.00 min
 Lab File: VX001044.D
 Acq: 21 Apr 2018 07:06

Instrument :
 MSVOA_X
 ClientSampleId :
 LF014MW005-180412MS

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	110849		
111	100.7	81.4	122.2	
192	25.0	20.4	30.6	

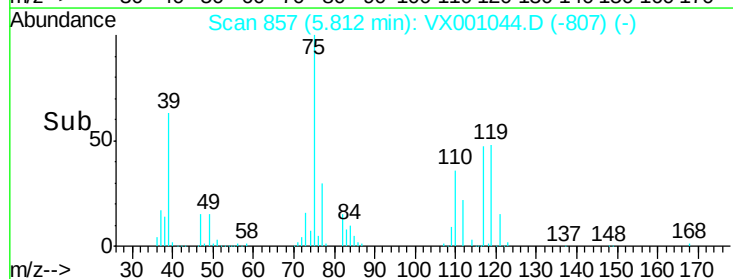
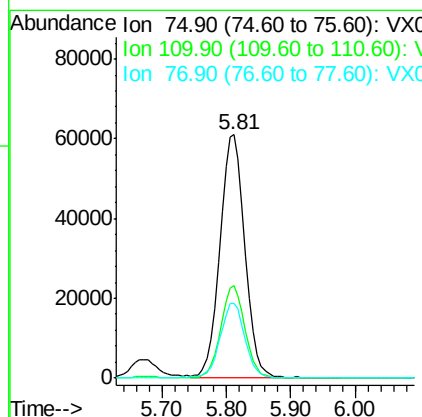
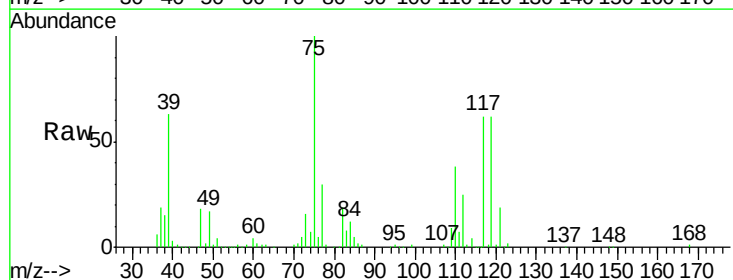
Manual Integrations
 APPROVED

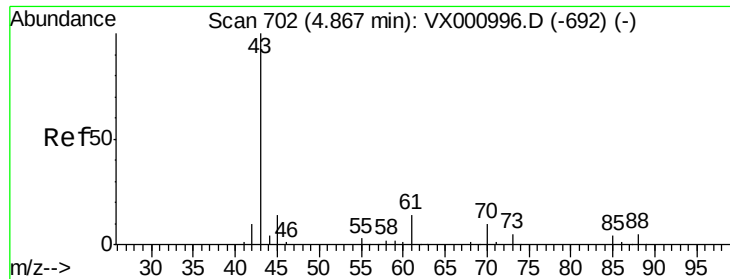
MMDadoda
 4/23/2018 1:27:47 PM



#36
 1,1-Dichloropropene
 Concen: 46.49 ug/l
 RT: 5.81 min Scan# 857
 Delta R.T. 0.01 min
 Lab File: VX001044.D
 Acq: 21 Apr 2018 07:06

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	166532		
110	36.9	18.7	56.1	
77	30.1	25.0	37.4	





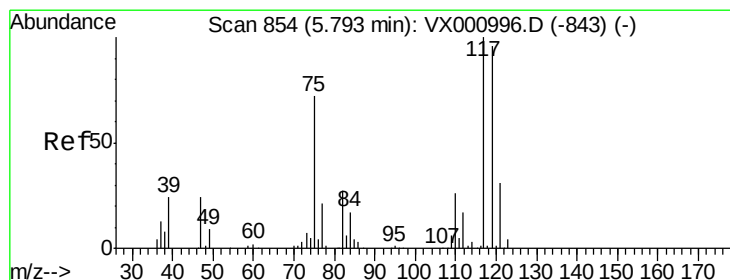
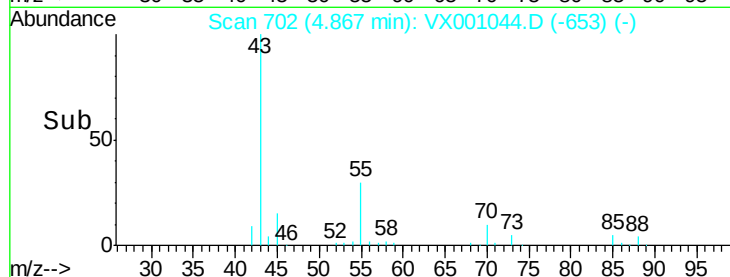
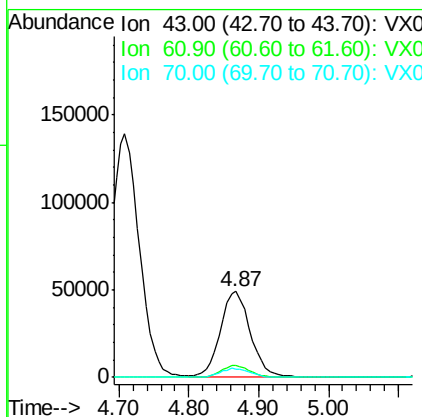
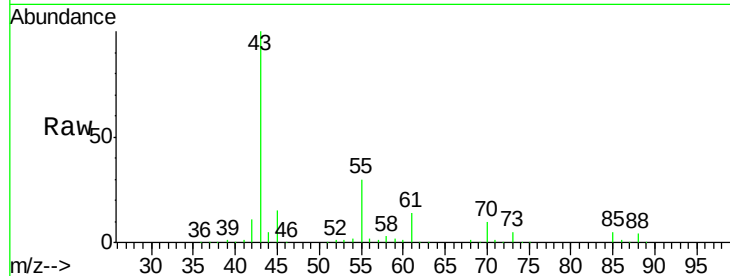
#37
Ethyl Acetate
Concen: 44.14 ug/l
RT: 4.87 min Scan# 702
Delta R.T. 0.00 min
Lab File: VX001044.D
Acq: 21 Apr 2018 07:06

Instrument :
MSVOA_X
ClientSampleId :
LF014MW005-180412MS

Tgt Ion: 43 Resp: 145022
Ion Ratio Lower Upper
43 100
61 13.5 10.7 16.1
70 10.2 8.3 12.5

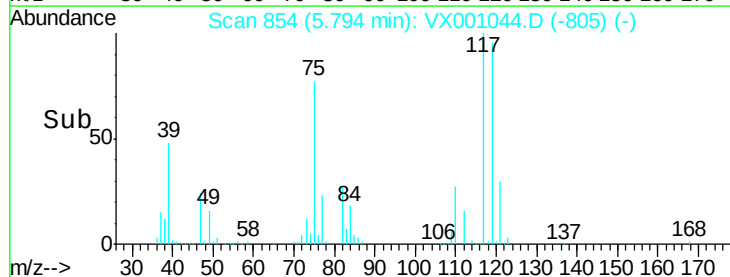
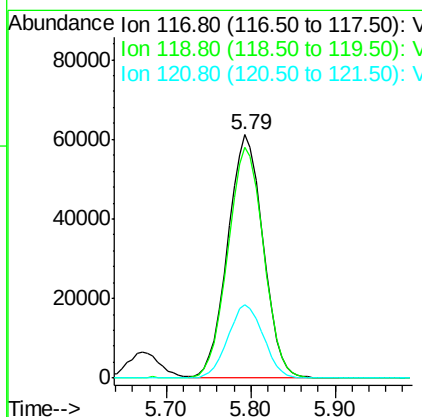
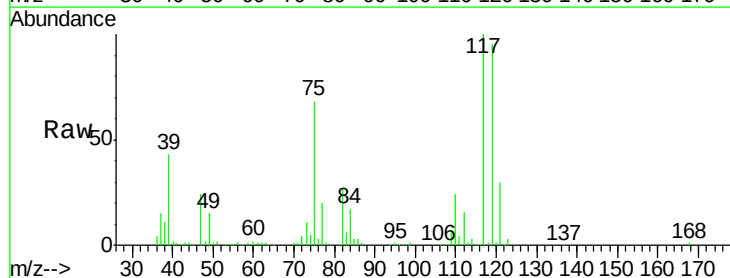
Manual Integrations
APPROVED

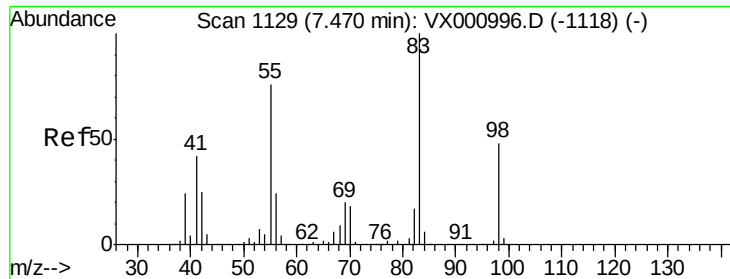
MMDadoda
4/23/2018 1:27:47 PM



#38
Carbon Tetrachloride
Concen: 48.08 ug/l
RT: 5.79 min Scan# 854
Delta R.T. 0.00 min
Lab File: VX001044.D
Acq: 21 Apr 2018 07:06

Tgt Ion: 117 Resp: 174370
Ion Ratio Lower Upper
117 100
119 94.8 76.5 114.7
121 30.2 24.5 36.7





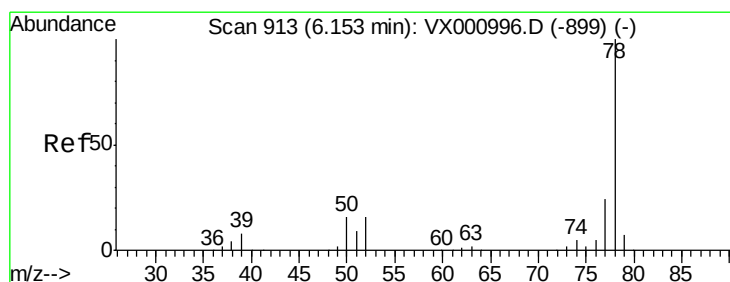
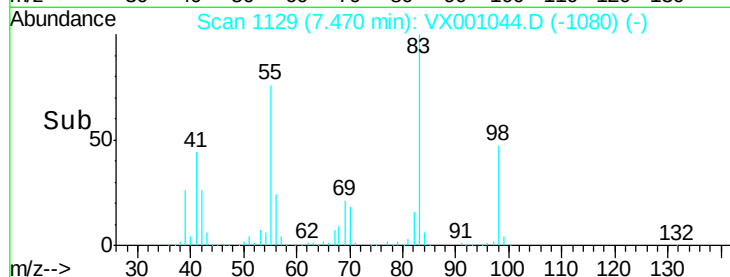
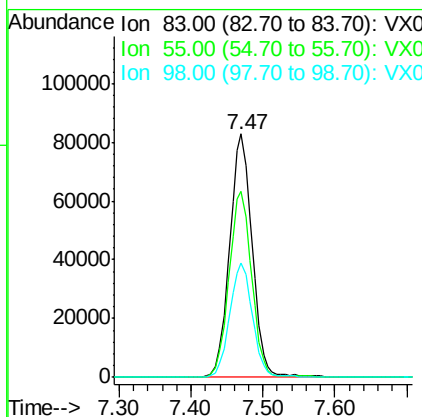
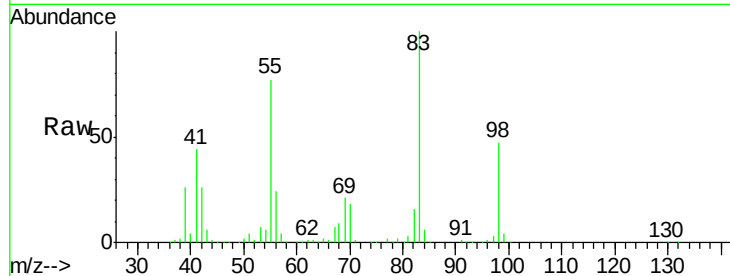
#39
Methylcyclohexane
Concen: 43.41 ug/l
RT: 7.47 min Scan# 1129
Delta R.T. 0.00 min
Lab File: VX001044.D
Acq: 21 Apr 2018 07:06

Instrument :
MSVOA_X
ClientSampleId :
LF014MW005-180412MS

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	180991		
55	76.5	60.6	91.0	
98	47.0	38.2	57.4	

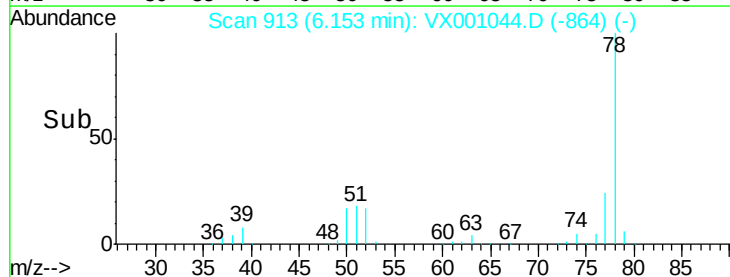
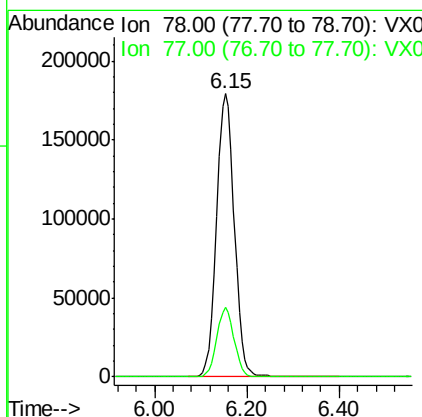
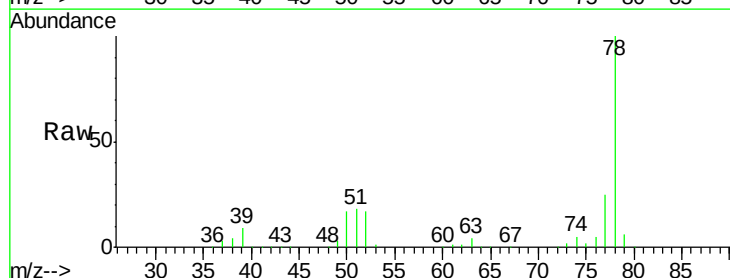
Manual Integrations
APPROVED

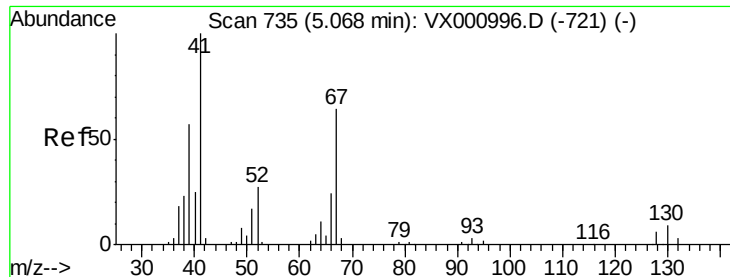
MMDadoda
4/23/2018 1:27:47 PM



#40
Benzene
Concen: 48.16 ug/l
RT: 6.15 min Scan# 913
Delta R.T. 0.00 min
Lab File: VX001044.D
Acq: 21 Apr 2018 07:06

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	479550		
77	24.5	18.9	28.3	





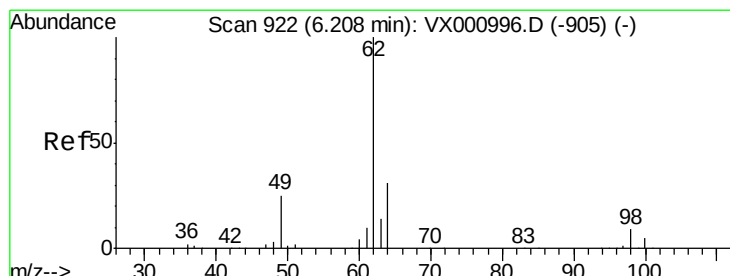
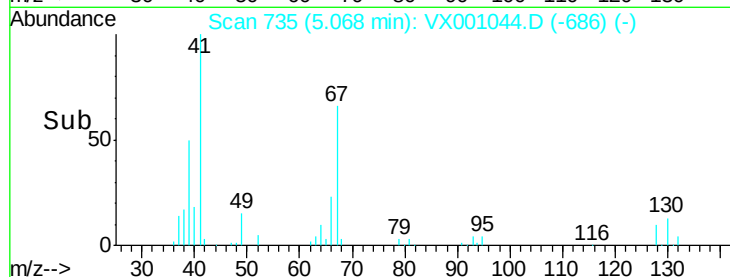
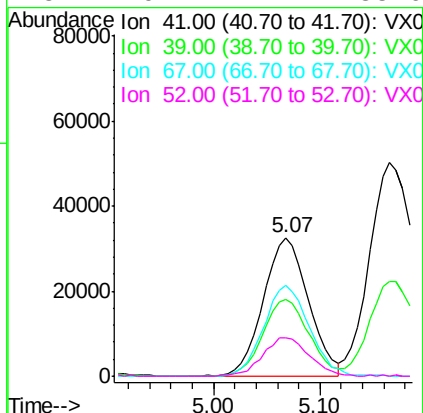
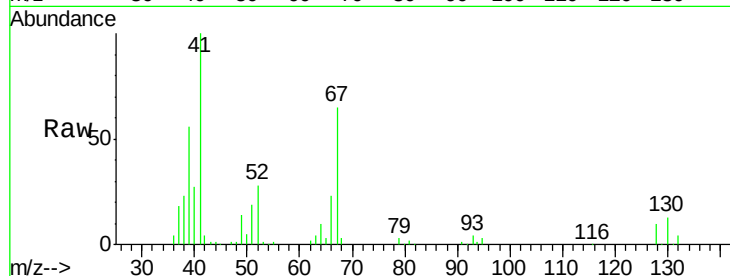
#41
Methacrylonitrile
Concen: 46.53 ug/l
RT: 5.07 min Scan# 735
Delta R.T. 0.00 min
Lab File: VX001044.D
Acq: 21 Apr 2018 07:06

Instrument :
MSVOA_X
ClientSampleId :
LF014MW005-180412MS

Tgt Ion	Ratio	Lower	Upper
41	100		
39	57.2	45.2	67.8
67	66.9	53.8	80.8
52	29.1	22.4	33.6

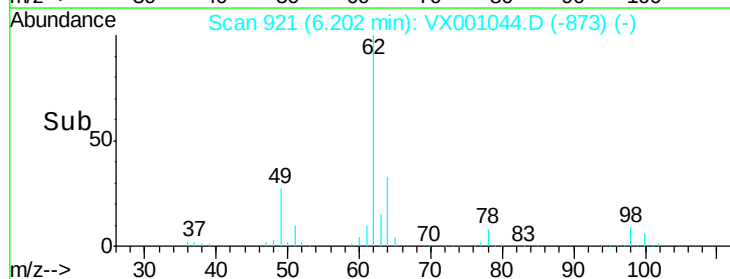
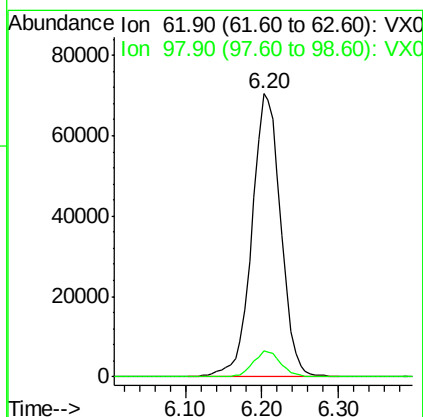
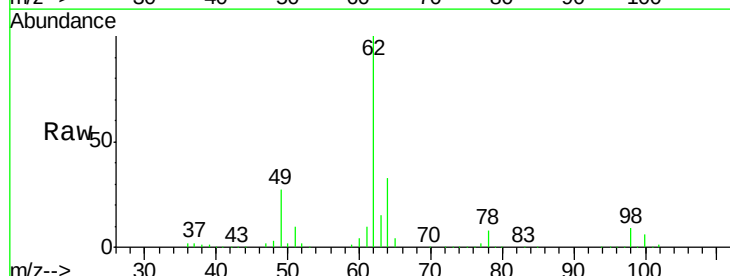
Manual Integrations
APPROVED

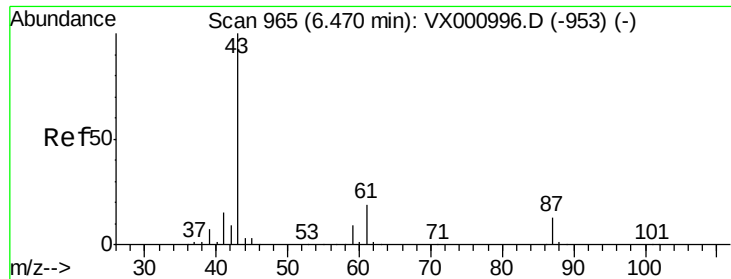
MMDadoda
4/23/2018 1:27:47 PM



#42
1,2-Dichloroethane
Concen: 48.57 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.01 min
Lab File: VX001044.D
Acq: 21 Apr 2018 07:06

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	17.6





#43

Isopropyl Acetate

Concen: 46.01 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.00 min

Lab File: VX001044.D

Acq: 21 Apr 2018 07:06

Instrument :

MSVOA_X

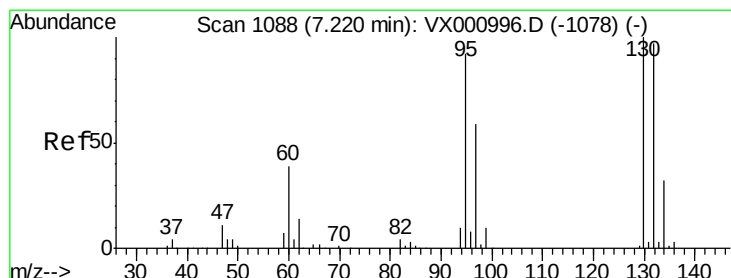
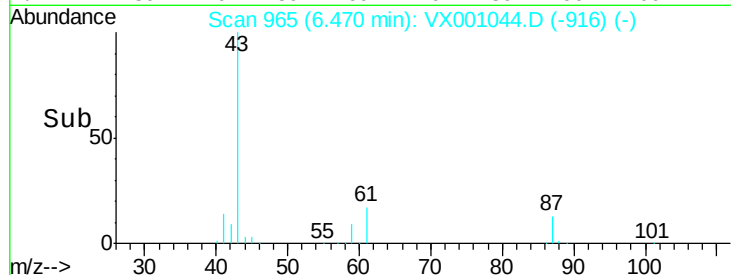
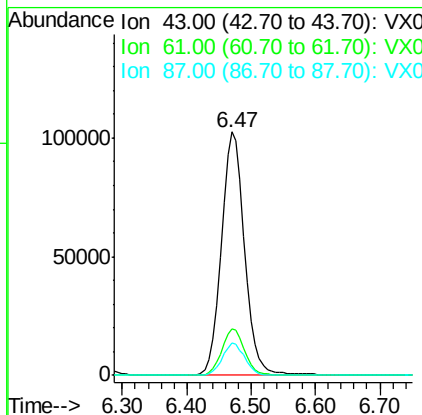
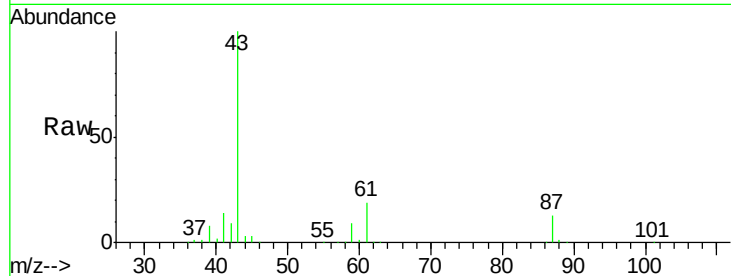
ClientSampleId :

LF014MW005-180412MS

Tgt Ion:	43	Resp:	259387
Ion	Ratio	Lower	Upper
43	100		
61	19.0	15.4	23.2
87	13.0	10.6	15.8

Manual Integrations
APPROVED

MMDadoda
4/23/2018 1:27:47 PM



#44

Trichloroethene

Concen: 46.61 ug/l

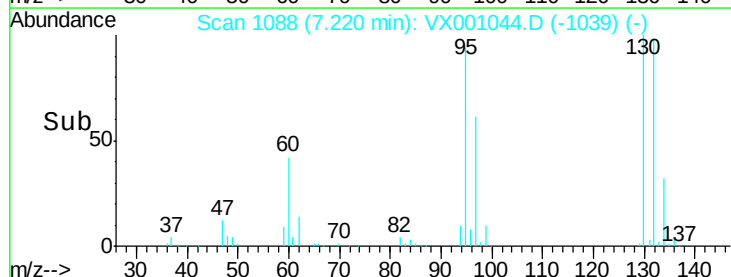
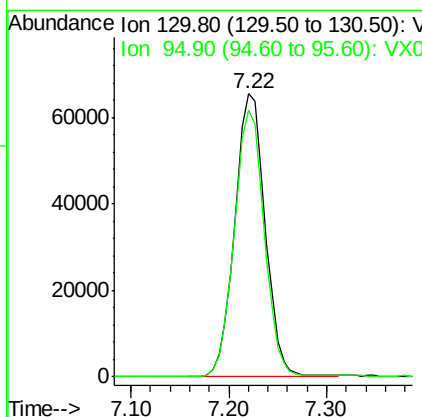
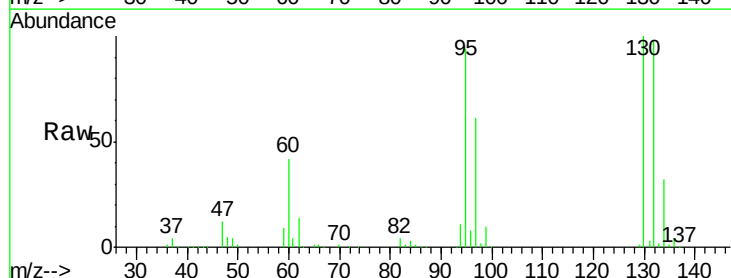
RT: 7.22 min Scan# 1088

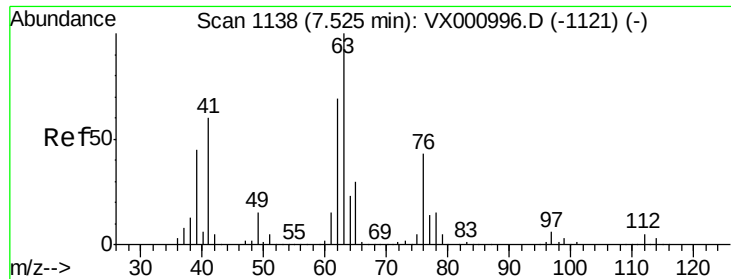
Delta R.T. 0.00 min

Lab File: VX001044.D

Acq: 21 Apr 2018 07:06

Tgt Ion:	130	Resp:	141819
Ion	Ratio	Lower	Upper
130	100		
95	94.4	0.0	184.2





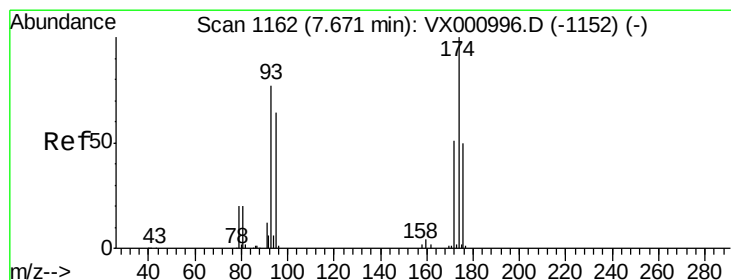
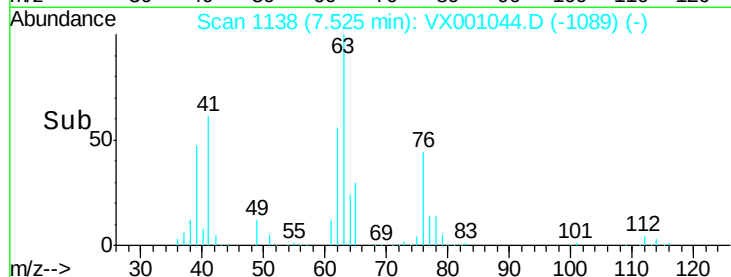
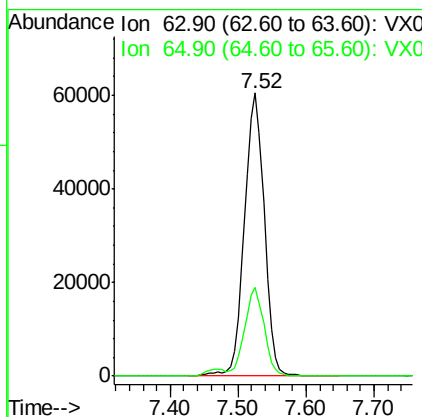
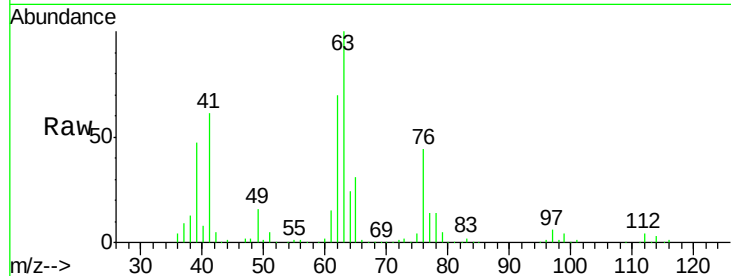
#45
 1,2-Dichloropropane
 Concen: 49.25 ug/l
 RT: 7.52 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VX001044.D
 Acq: 21 Apr 2018 07:06

Instrument :
 MSVOA_X
 ClientSampleId :
 LF014MW005-180412MS

Tgt Ion	Ratio	Lower	Upper
63	100		
65	31.3	24.4	36.6

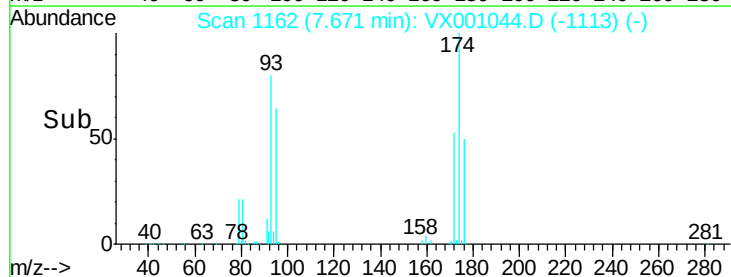
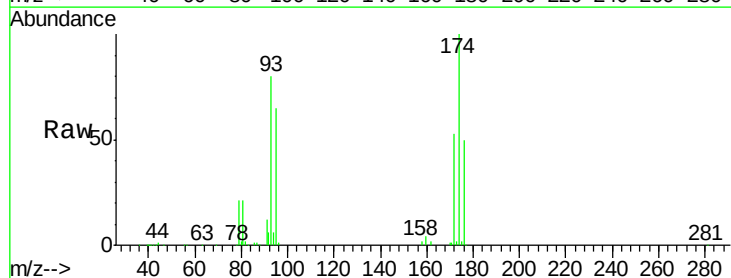
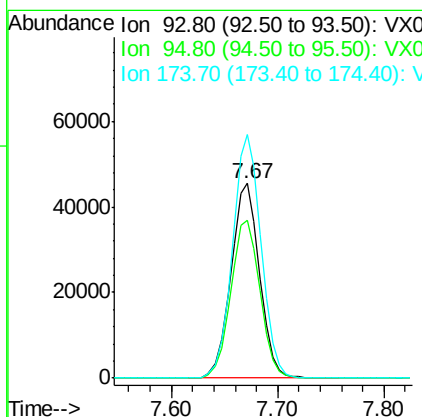
Manual Integrations
 APPROVED

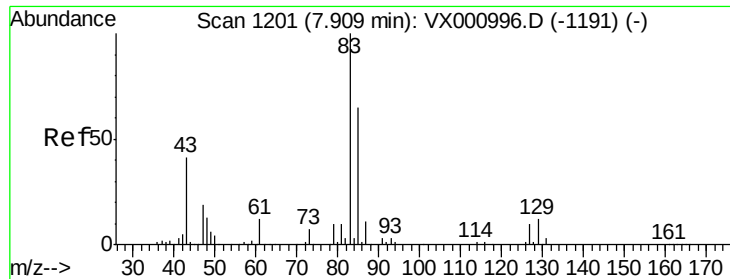
MMDadoda
 4/23/2018 1:27:47 PM



#46
 Dibromomethane
 Concen: 48.88 ug/l
 RT: 7.67 min Scan# 1162
 Delta R.T. 0.00 min
 Lab File: VX001044.D
 Acq: 21 Apr 2018 07:06

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.9	66.7	100.1
174	125.2	101.8	152.6





#47

Bromodichloromethane

Concen: 50.37 ug/l

RT: 7.91 min Scan# 1201

Delta R.T. 0.00 min

Lab File: VX001044.D

Acq: 21 Apr 2018 07:06

Instrument :

MSVOA_X

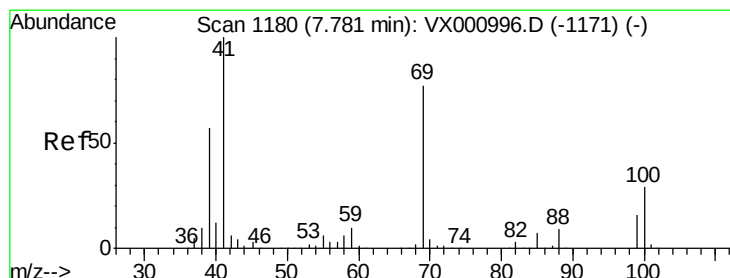
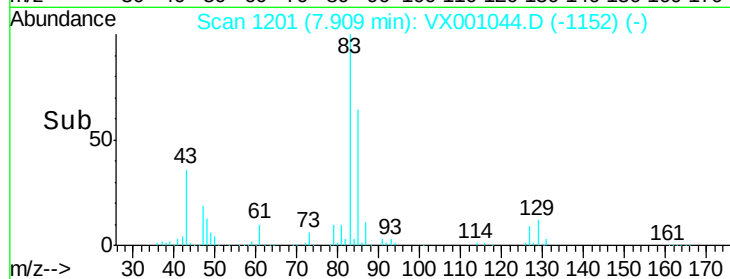
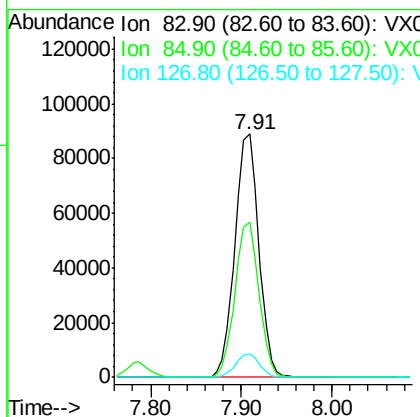
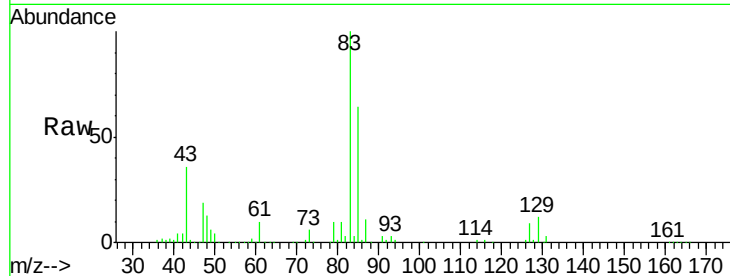
ClientSampleId :

LF014MW005-180412MS

Tgt Ion:	83	Resp:	163270
Ion	Ratio	Lower	Upper
83	100		
85	63.8	52.3	78.5
127	9.4	7.8	11.6

Manual Integrations
APPROVED

MMDadoda
4/23/2018 1:27:47 PM



#48

Methyl methacrylate

Concen: 48.55 ug/l

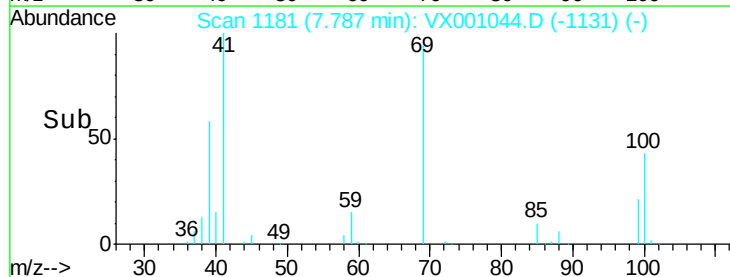
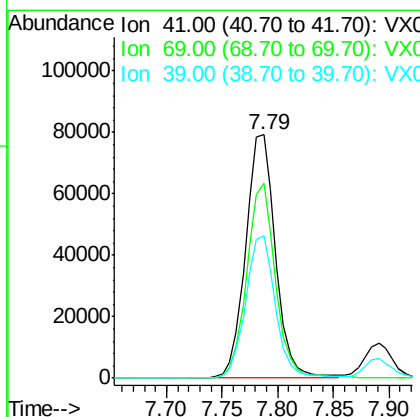
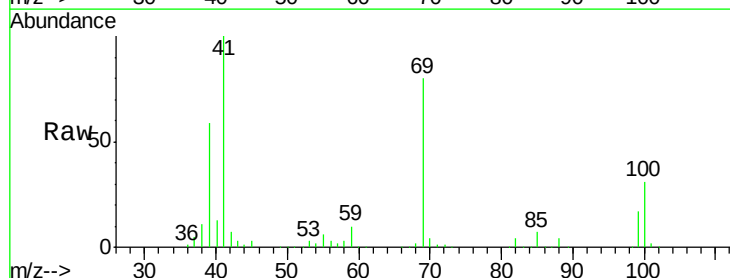
RT: 7.79 min Scan# 1181

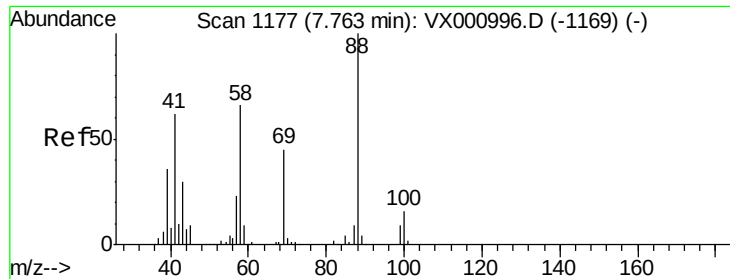
Delta R.T. 0.01 min

Lab File: VX001044.D

Acq: 21 Apr 2018 07:06

Tgt Ion:	41	Resp:	147378
Ion	Ratio	Lower	Upper
41	100		
69	77.5	62.6	94.0
39	58.5	45.3	67.9





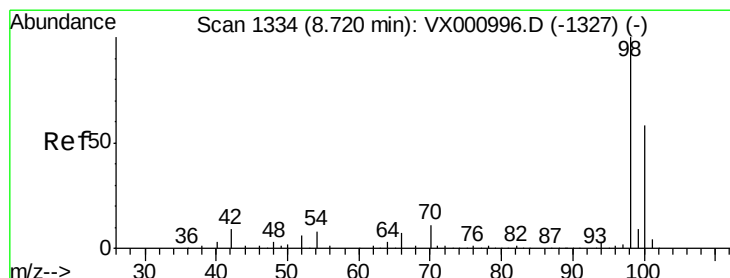
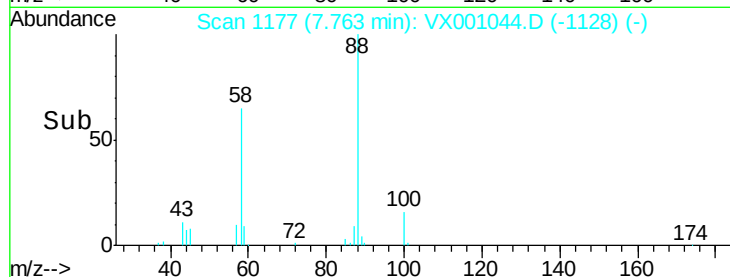
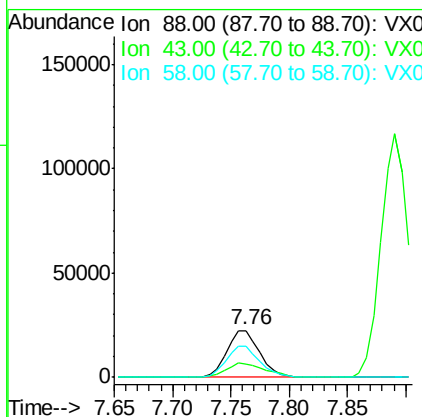
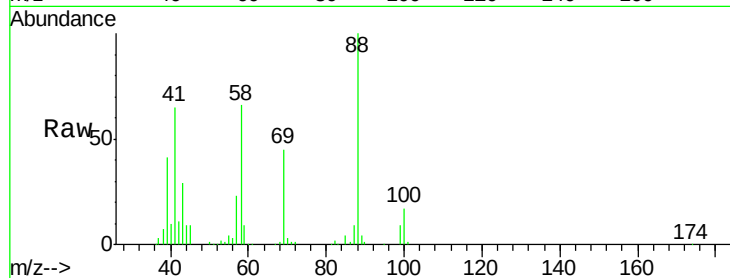
#49
1,4-Dioxane
Concen: 980.04 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VX001044.D
Acq: 21 Apr 2018 07:06

Instrument :
MSVOA_X
ClientSampleId :
LF014MW005-180412MS

Tgt Ion	Ratio	Lower	Upper
88	100		
43	37.2	29.2	43.8
58	69.1	55.0	82.6

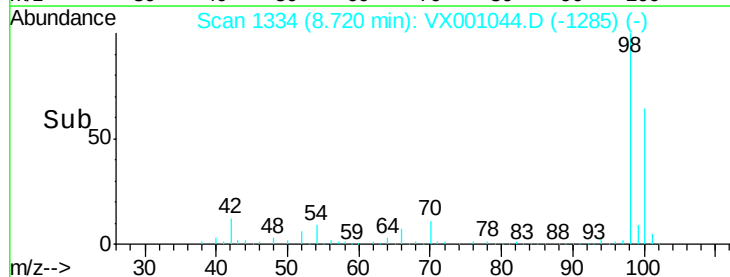
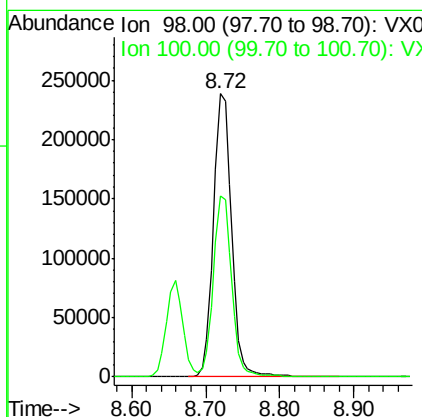
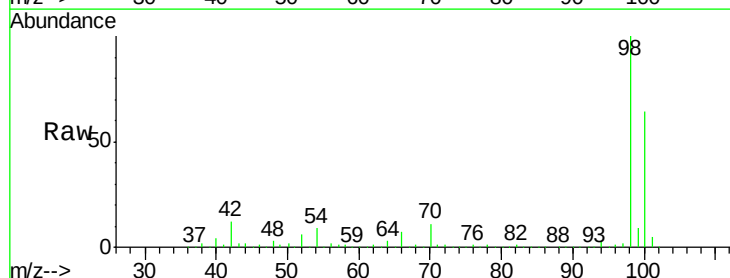
Manual Integrations
APPROVED

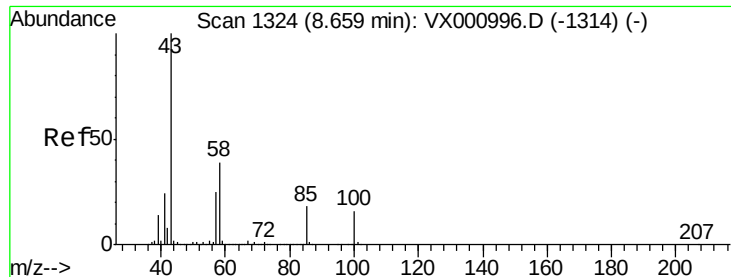
MMDadoda
4/23/2018 1:27:47 PM



#50
Toluene-d8
Concen: 46.43 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX001044.D
Acq: 21 Apr 2018 07:06

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.9	77.9





#51

4-Methyl-2-Pentanone

Concen: 250.21 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. 0.00 min

Lab File: VX001044.D

Acq: 21 Apr 2018 07:06

Instrument :

MSVOA_X

ClientSampleId :

LF014MW005-180412MS

Tgt Ion: 43 Resp: 856395

Ion Ratio Lower Upper

43 100

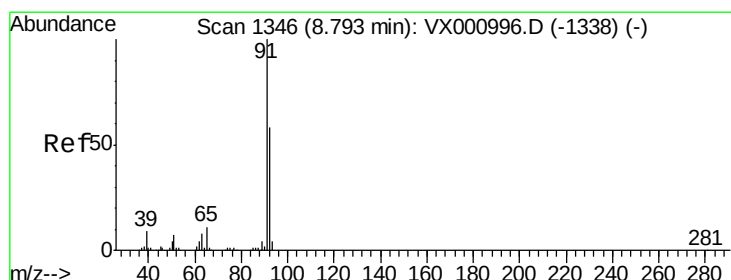
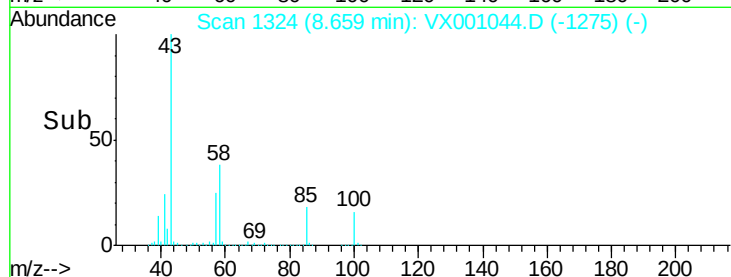
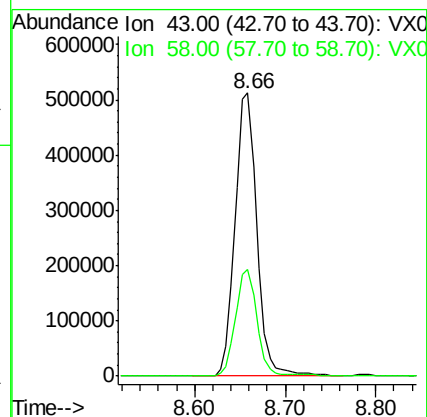
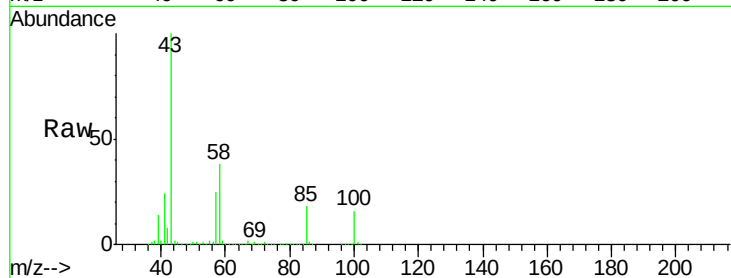
58 38.1 30.2 45.4

Manual Integrations

APPROVED

MMDadoda

4/23/2018 1:27:47 PM



#52

Toluene

Concen: 48.46 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VX001044.D

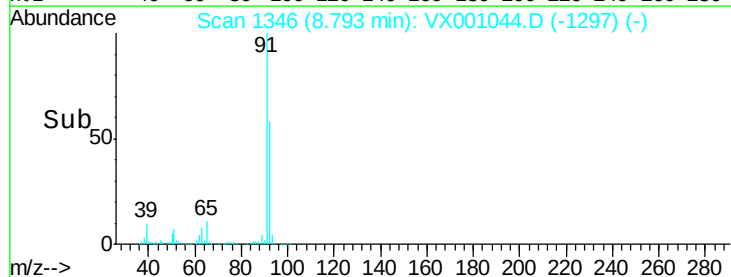
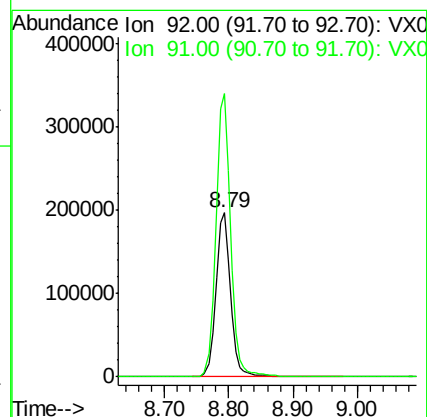
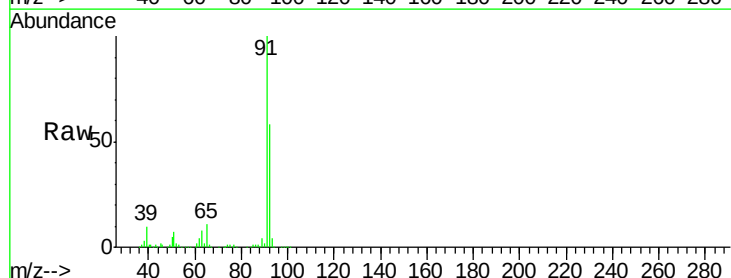
Acq: 21 Apr 2018 07:06

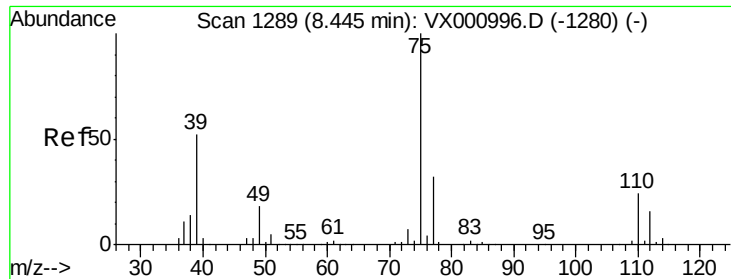
Tgt Ion: 92 Resp: 314952

Ion Ratio Lower Upper

92 100

91 173.6 138.2 207.4





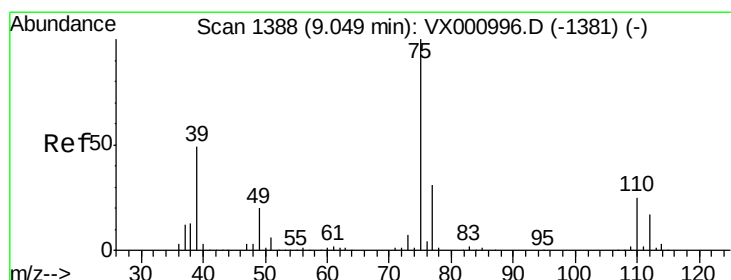
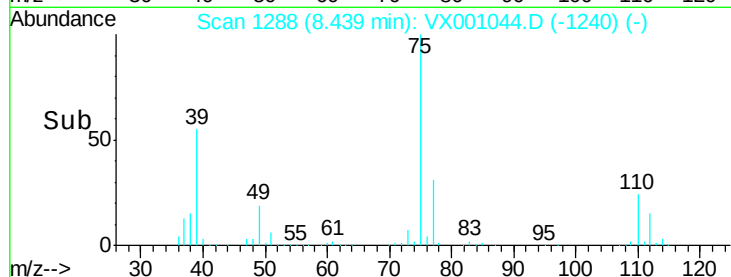
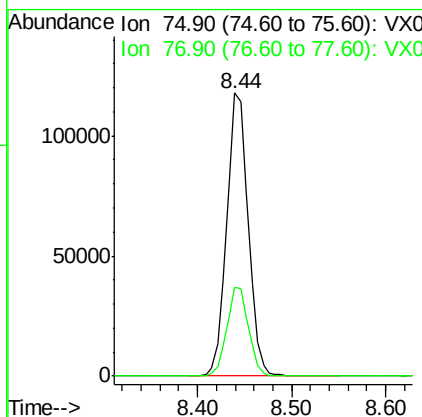
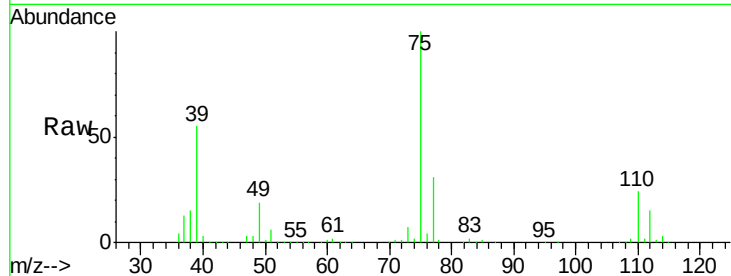
#53
t-1,3-Dichloropropene
Concen: 48.13 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. -0.01 min
Lab File: VX001044.D
Acq: 21 Apr 2018 07:06

Instrument :
MSVOA_X
ClientSampleId :
LF014MW005-180412MS

Tgt Ion: 75 Resp: 186560
Ion Ratio Lower Upper
75 100
77 31.2 25.8 38.6

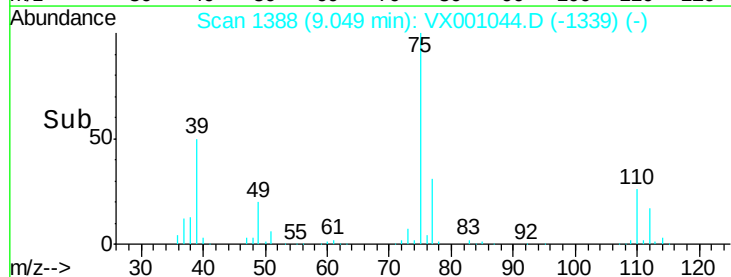
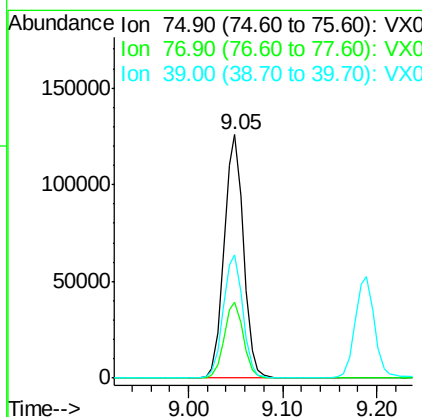
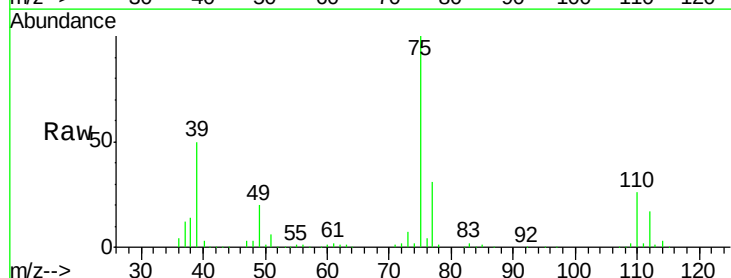
Manual Integrations
APPROVED

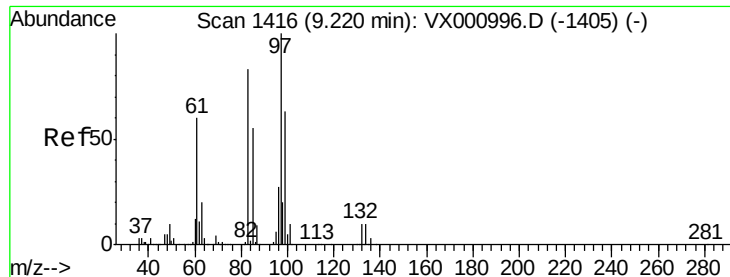
MMDadoda
4/23/2018 1:27:47 PM



#54
cis-1,3-Dichloropropene
Concen: 48.73 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. 0.00 min
Lab File: VX001044.D
Acq: 21 Apr 2018 07:06

Tgt Ion: 75 Resp: 178122
Ion Ratio Lower Upper
75 100
77 31.1 25.0 37.6
39 50.4 39.2 58.8





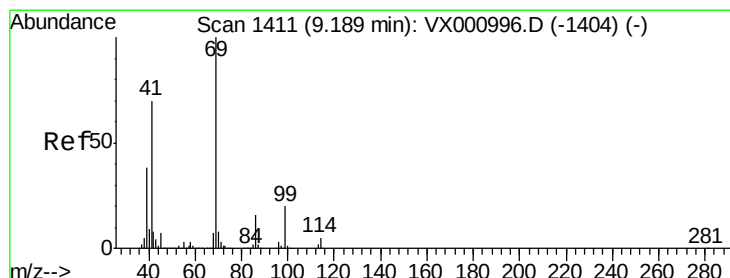
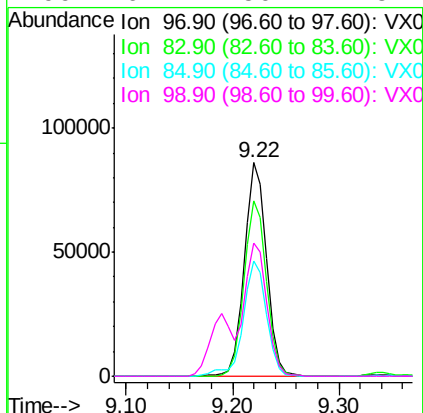
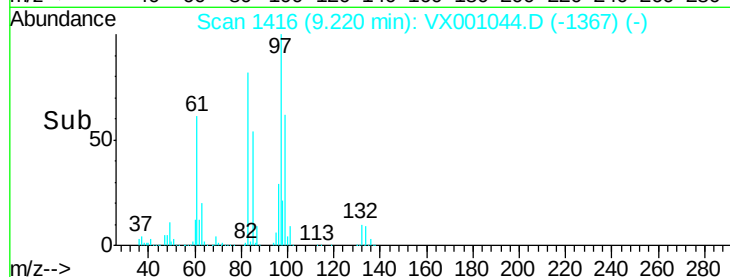
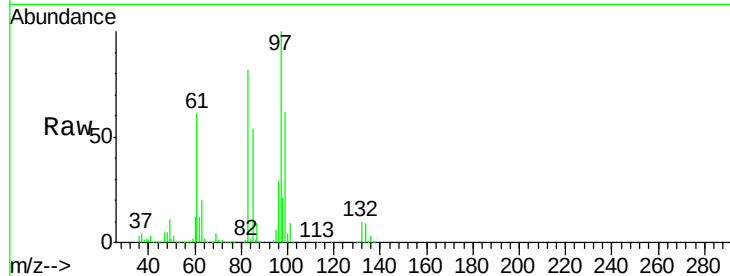
#55
 1,1,2-Trichloroethane
 Concen: 48.79 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX001044.D
 Acq: 21 Apr 2018 07:06

Instrument :
 MSVOA_X
 ClientSampleId :
 LF014MW005-180412MS

Tgt Ion	Ratio	Lower	Upper
97	100		
83	82.3	66.2	99.4
85	53.8	44.2	66.4
99	62.2	50.2	75.4

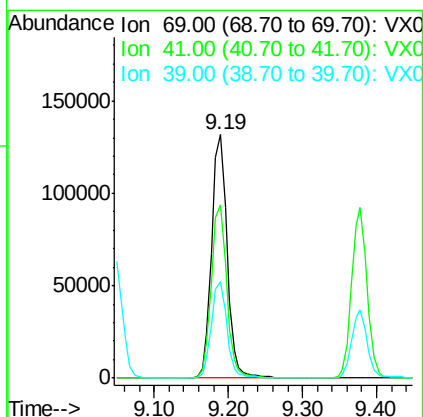
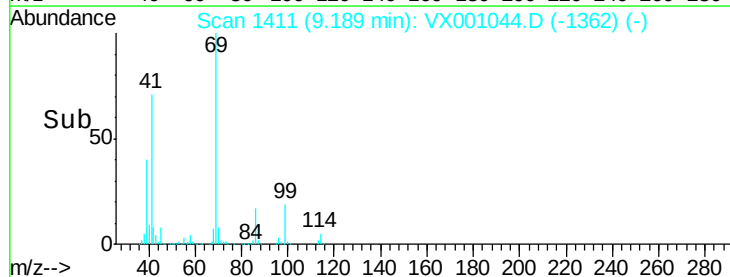
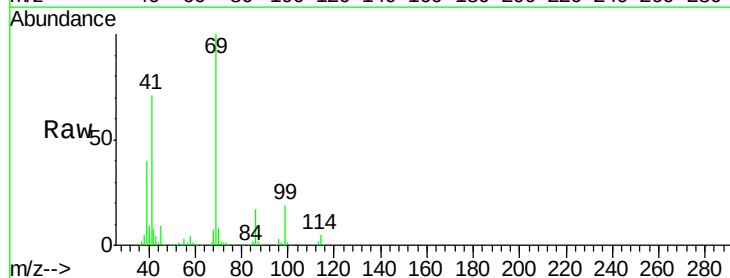
Manual Integrations
 APPROVED

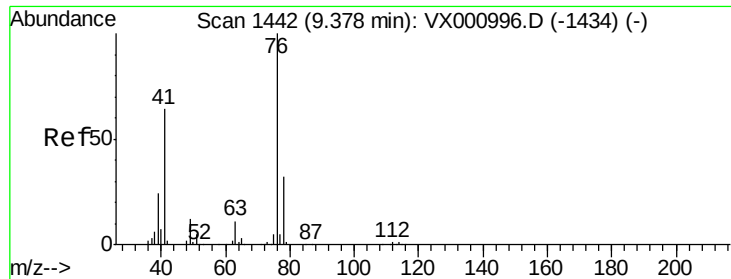
MMDadoda
 4/23/2018 1:27:47 PM



#56
 Ethyl methacrylate
 Concen: 49.60 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. 0.00 min
 Lab File: VX001044.D
 Acq: 21 Apr 2018 07:06

Tgt Ion	Ratio	Lower	Upper
69	100		
41	71.0	56.3	84.5
39	39.8	30.4	45.6





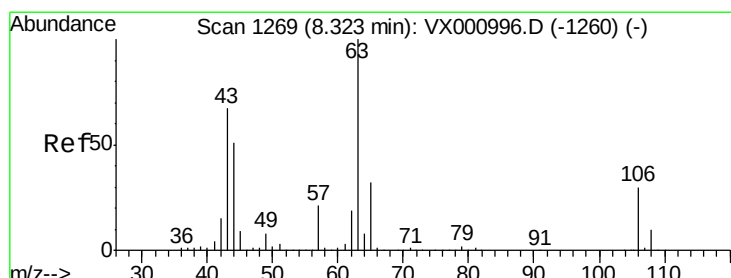
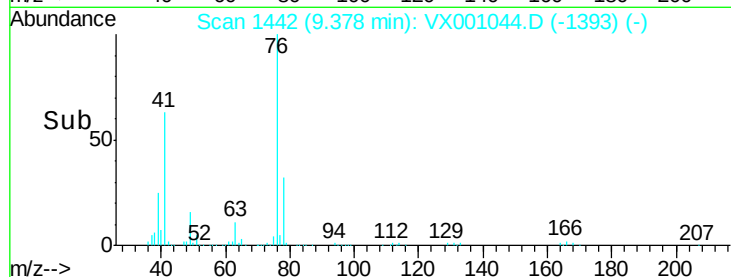
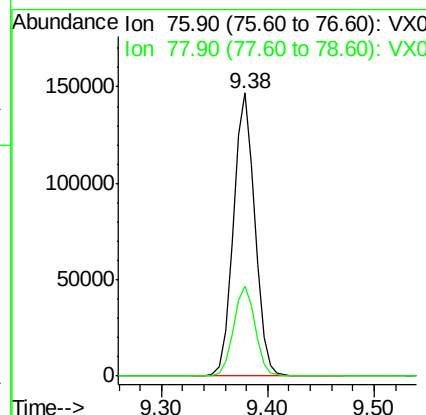
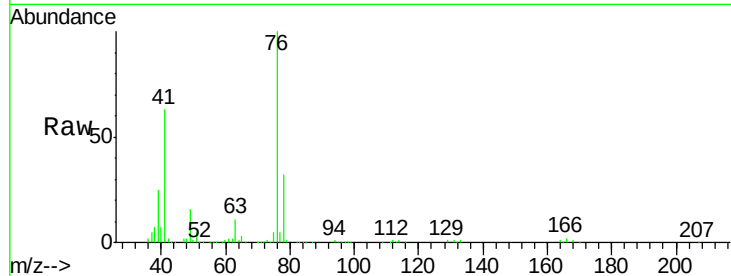
#57
 1,3-Dichloropropane
 Concen: 48.56 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: VX001044.D
 Acq: 21 Apr 2018 07:06

Instrument :
 MSVOA_X
 ClientSampleId :
 LF014MW005-180412MS

Tgt Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.8	38.6

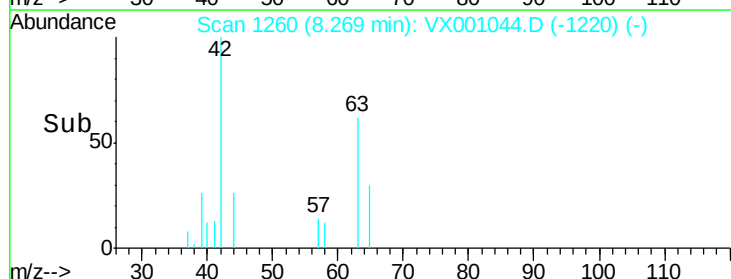
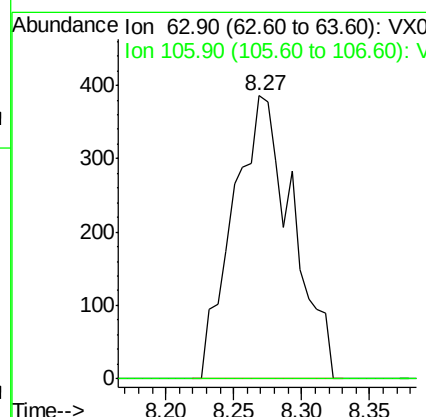
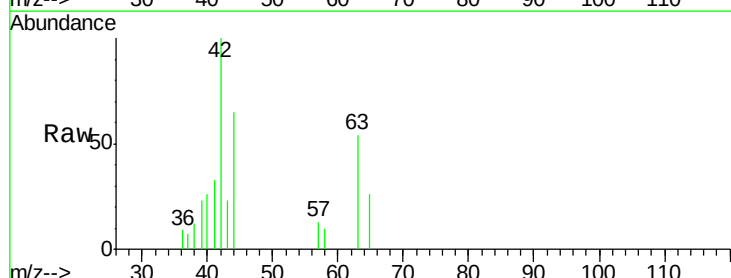
Manual Integrations
 APPROVED

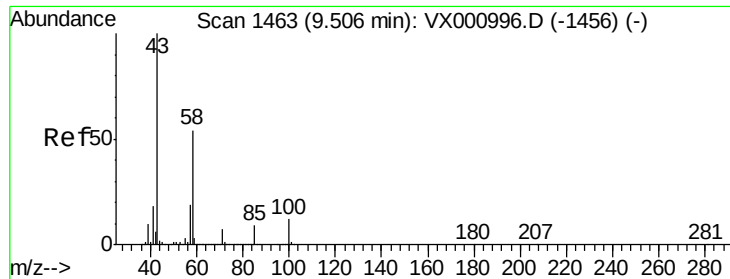
MMDadoda
 4/23/2018 1:27:47 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 0.63 ug/l
 RT: 8.27 min Scan# 1260
 Delta R.T. -0.05 min
 Lab File: VX001044.D
 Acq: 21 Apr 2018 07:06

Tgt Ion	Ratio	Lower	Upper
63	100		
106	0.0	23.8	35.6#





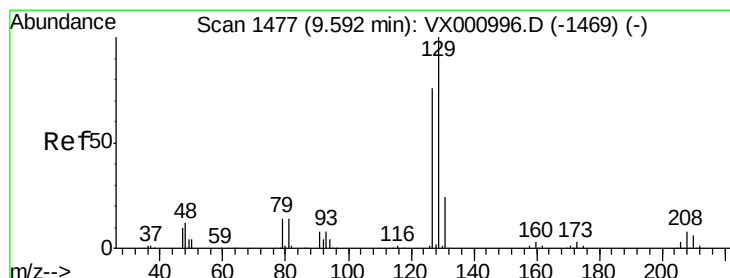
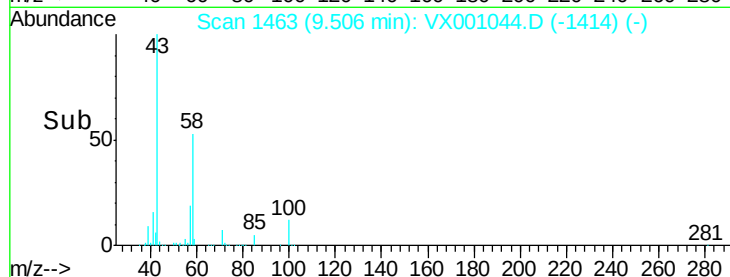
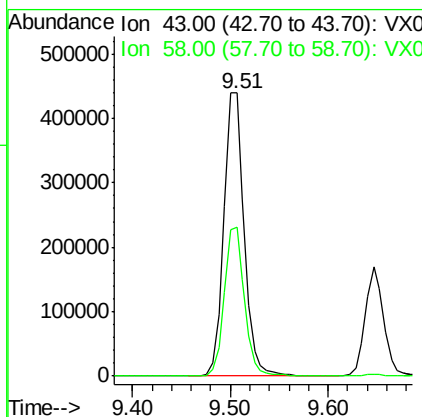
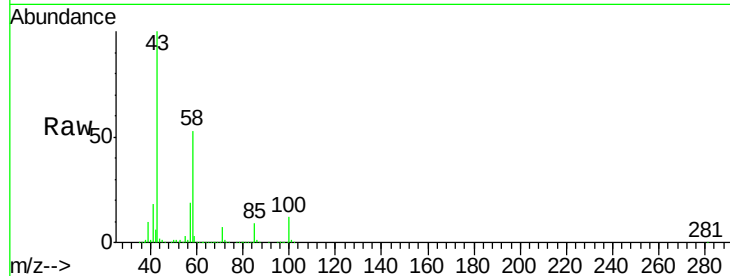
#59
2-Hexanone
Concen: 242.41 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. 0.00 min
Lab File: VX001044.D
Acq: 21 Apr 2018 07:06

Instrument :
MSVOA_X
ClientSampleId :
LF014MW005-180412MS

Tgt Ion: 43 Resp: 635060
Ion Ratio Lower Upper
43 100
58 52.2 26.3 78.9

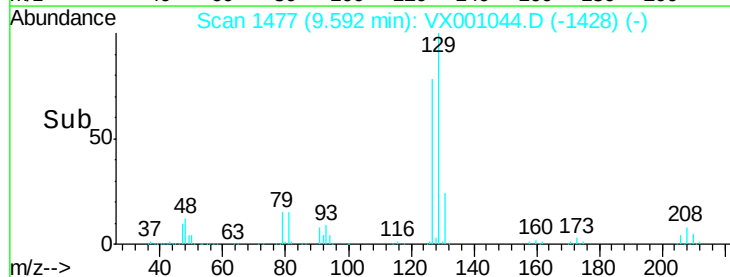
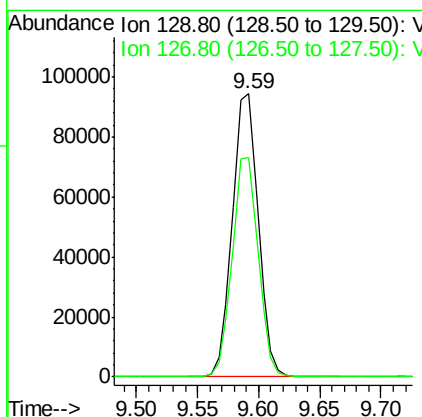
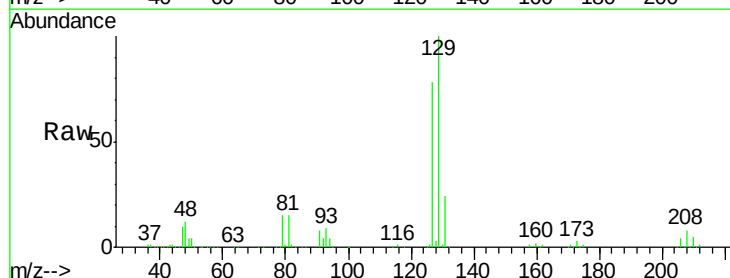
Manual Integrations
APPROVED

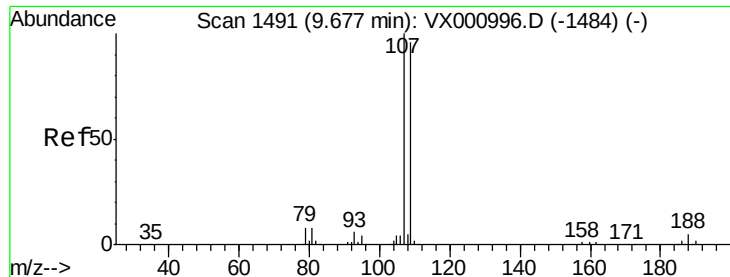
MMDadoda
4/23/2018 1:27:47 PM



#60
Dibromochloromethane
Concen: 50.93 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. 0.00 min
Lab File: VX001044.D
Acq: 21 Apr 2018 07:06

Tgt Ion: 129 Resp: 138179
Ion Ratio Lower Upper
129 100
127 77.8 38.6 115.8





#61

1,2-Dibromoethane

Concen: 49.96 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX001044.D

Acq: 21 Apr 2018 07:06

Instrument :

MSVOA_X

ClientSampleId :

LF014MW005-180412MS

Tgt Ion: 107 Resp: 136199

Ion Ratio Lower Upper

107 100

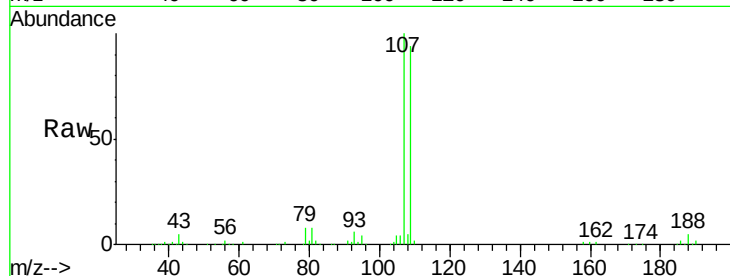
109 93.5 76.0 114.0

Manual Integrations

APPROVED

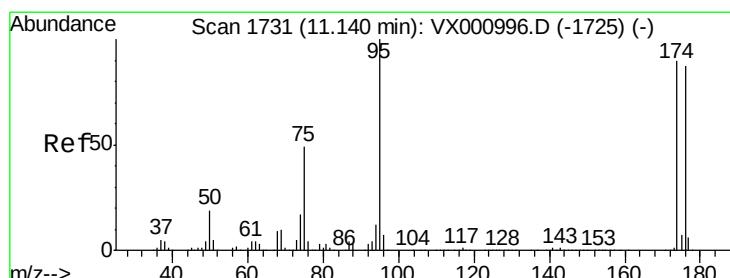
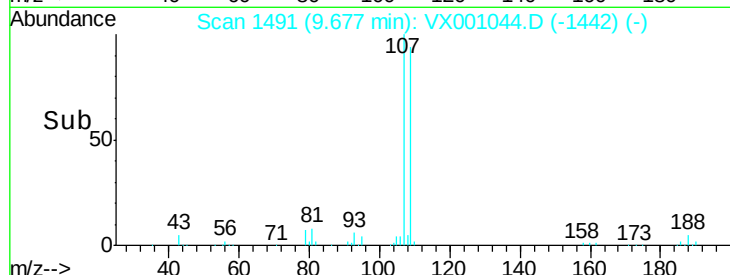
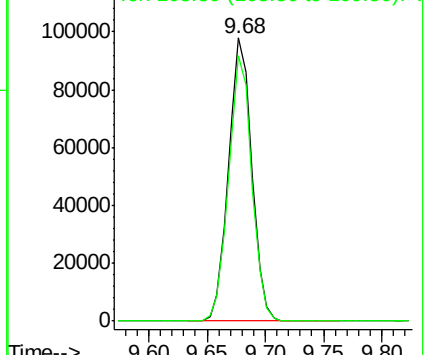
MMDadoda

4/23/2018 1:27:47 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 46.46 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX001044.D

Acq: 21 Apr 2018 07:06

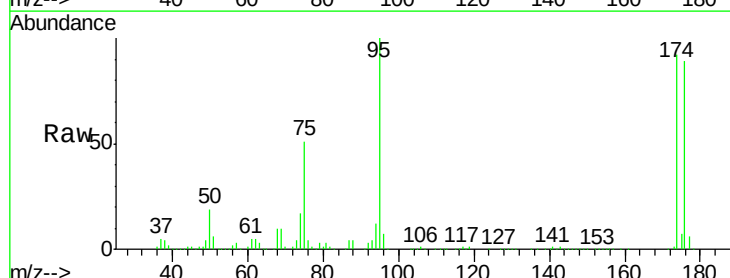
Tgt Ion: 95 Resp: 167577

Ion Ratio Lower Upper

95 100

174 98.2 0.0 198.4

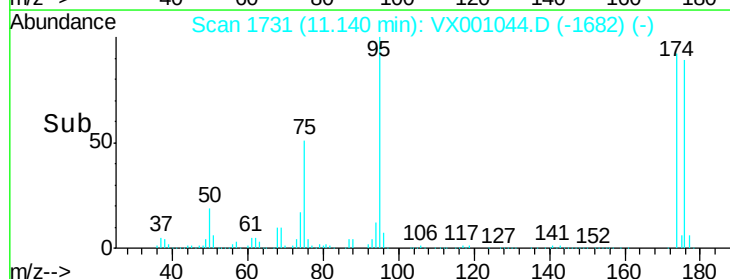
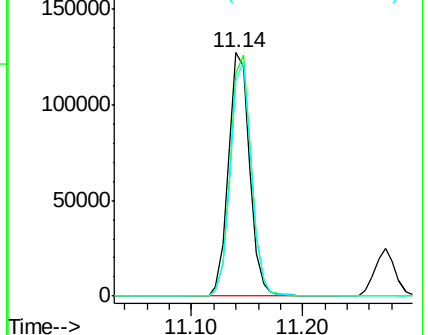
176 95.6 0.0 192.0

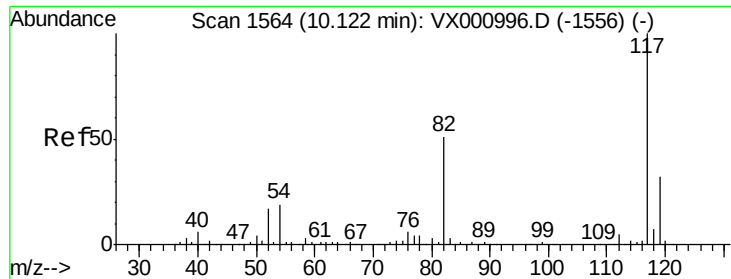


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





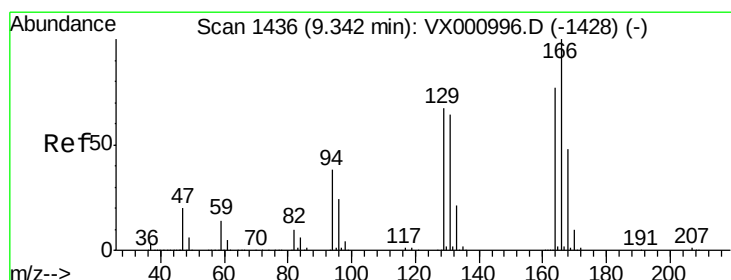
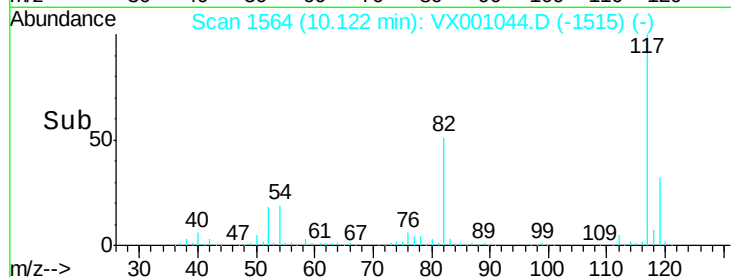
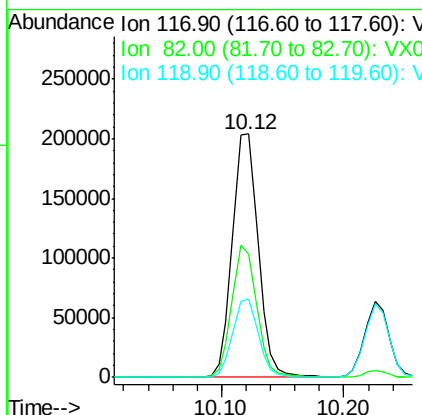
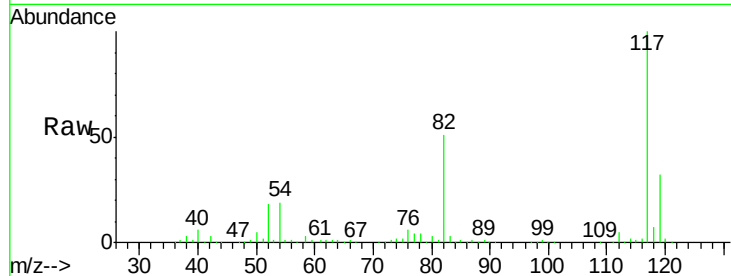
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX001044.D
Acq: 21 Apr 2018 07:06

Instrument :
MSVOA_X
ClientSampleId :
LF014MW005-180412MS

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	299550		
82	50.5	40.6	60.8	
119	32.2	26.0	39.0	

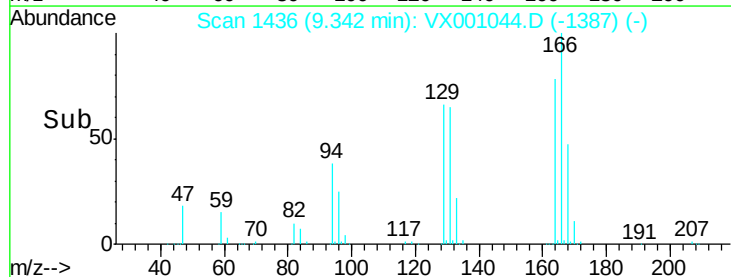
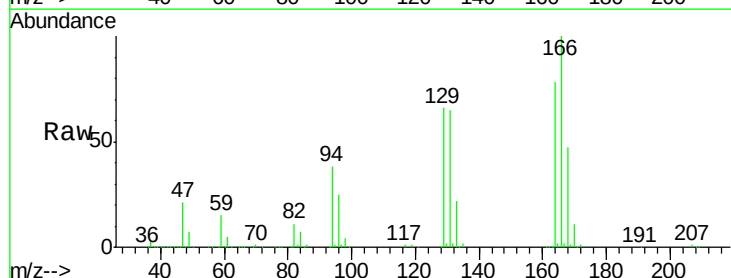
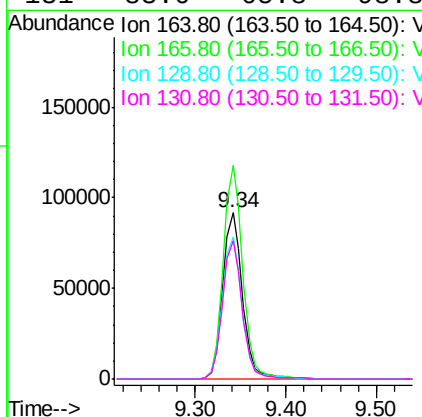
Manual Integrations
APPROVED

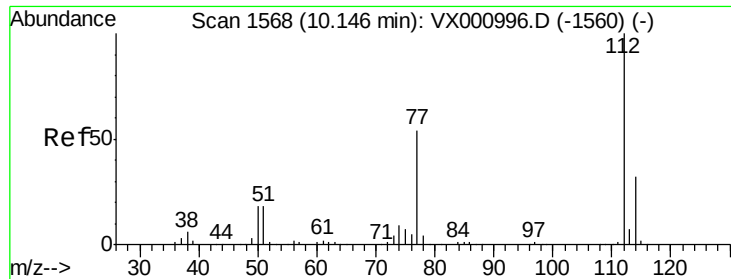
MMDadoda
4/23/2018 1:27:47 PM



#64
Tetrachloroethene
Concen: 43.84 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX001044.D
Acq: 21 Apr 2018 07:06

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	139450		
166	128.6	103.5	155.3	
129	85.3	69.6	104.4	
131	83.0	65.8	98.8	





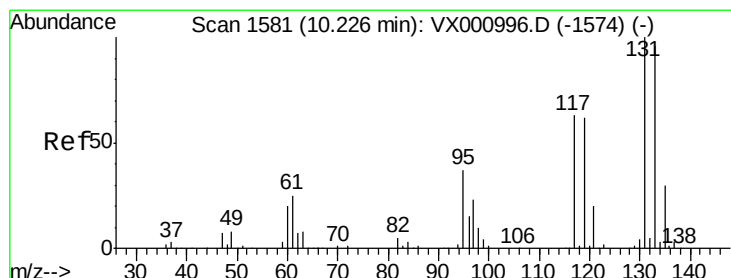
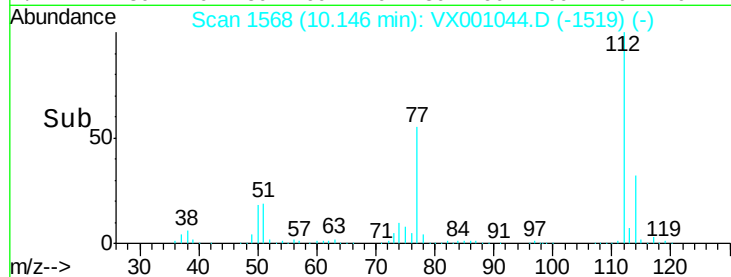
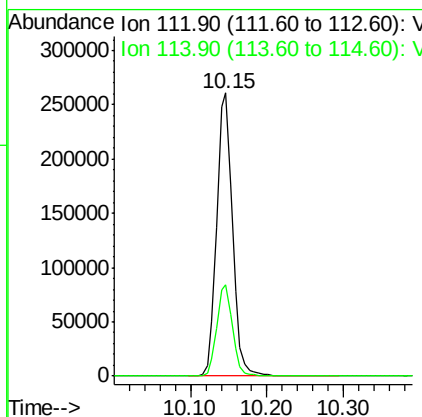
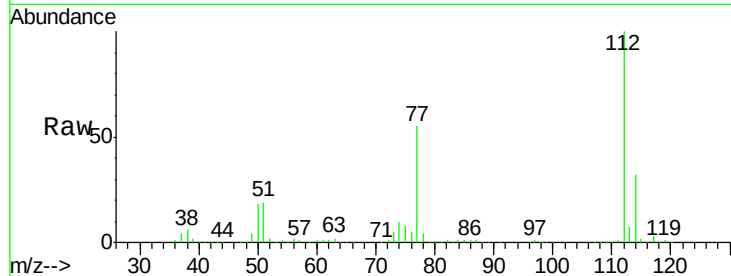
#65
Chlorobenzene
Concen: 46.78 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX001044.D
Acq: 21 Apr 2018 07:06

Instrument :
MSVOA_X
ClientSampleId :
LF014MW005-180412MS

Tgt Ion:112 Resp: 373108
Ion Ratio Lower Upper
112 100
114 32.1 25.5 38.3

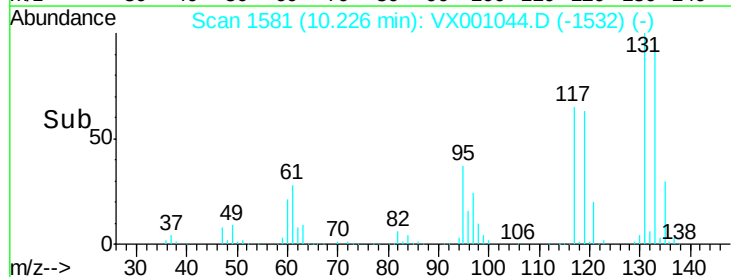
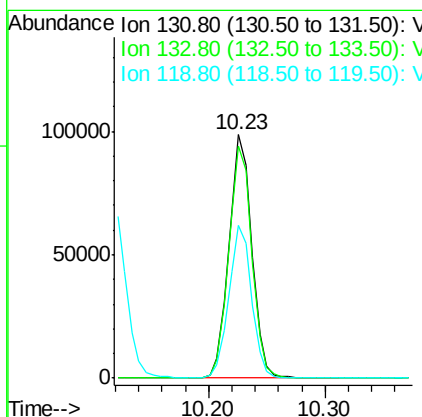
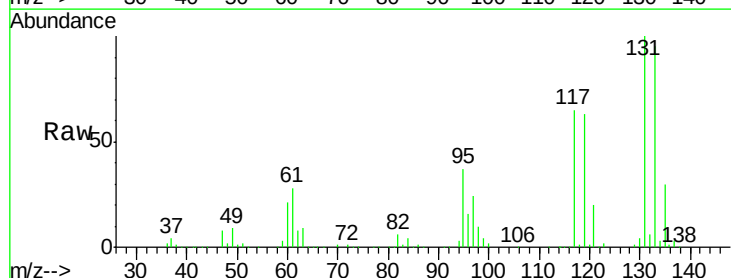
Manual Integrations
APPROVED

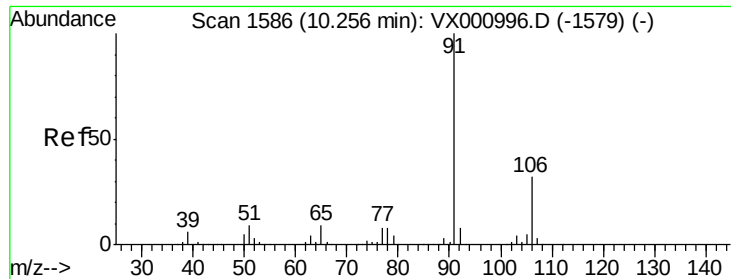
MMDadoda
4/23/2018 1:27:47 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 49.10 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX001044.D
Acq: 21 Apr 2018 07:06

Tgt Ion:131 Resp: 134428
Ion Ratio Lower Upper
131 100
133 96.4 47.6 142.8
119 62.8 31.1 93.2





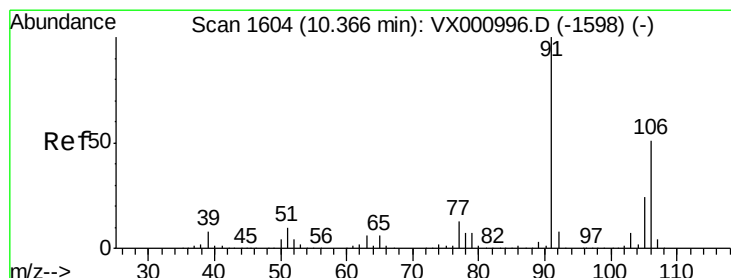
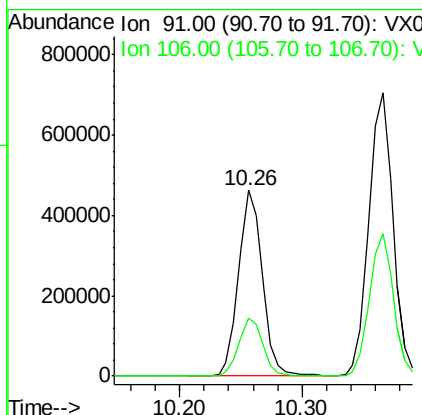
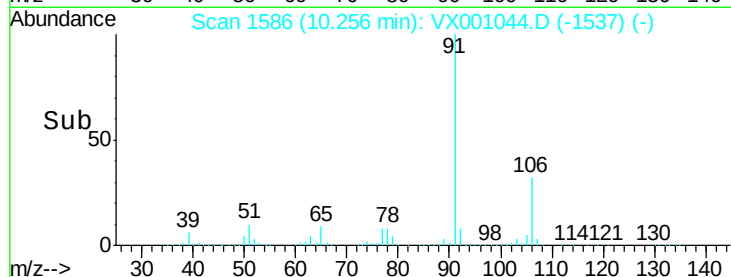
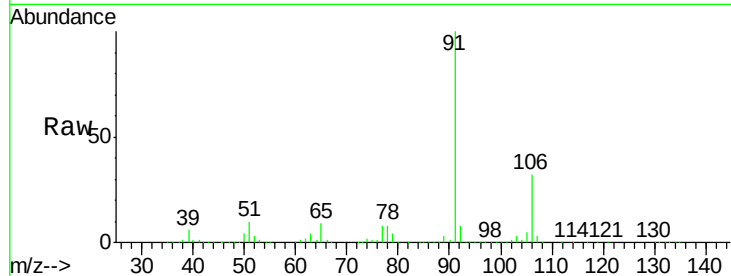
#67
Ethyl Benzene
Concen: 47.03 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX001044.D
Acq: 21 Apr 2018 07:06

Instrument :
MSVOA_X
ClientSampleId :
LF014MW005-180412MS

Tgt Ion: 91 Resp: 622894
Ion Ratio Lower Upper
91 100
106 31.5 25.7 38.5

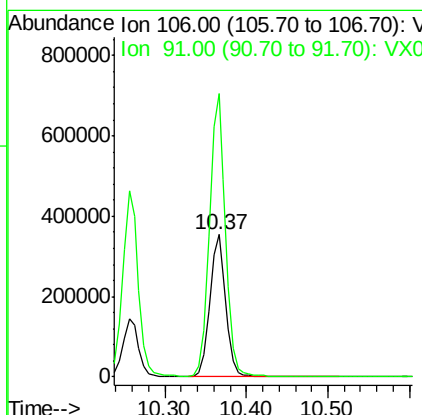
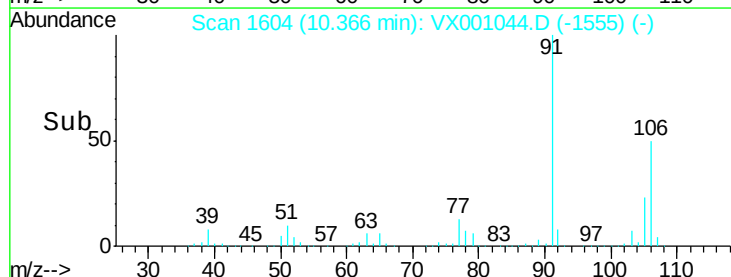
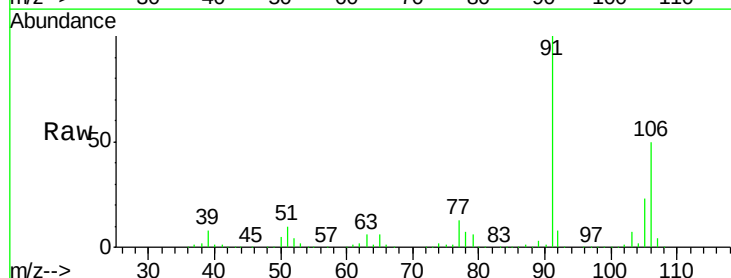
Manual Integrations
APPROVED

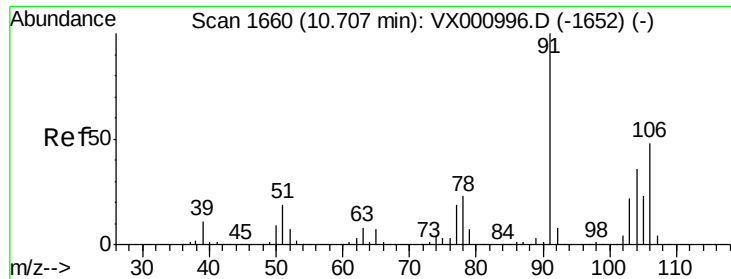
MMDadoda
4/23/2018 1:27:47 PM



#68
m/p-Xylenes
Concen: 93.53 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VX001044.D
Acq: 21 Apr 2018 07:06

Tgt Ion: 106 Resp: 488271
Ion Ratio Lower Upper
106 100
91 200.4 159.3 238.9





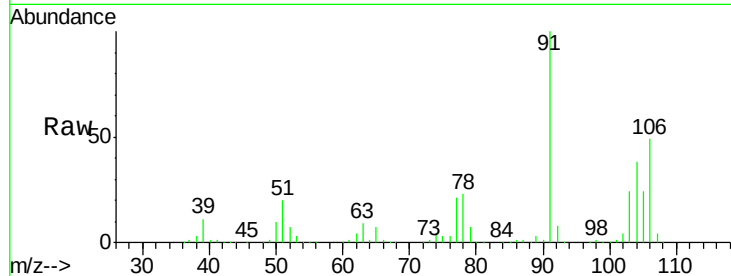
#69
o-Xylene
Concen: 47.41 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. 0.00 min
Lab File: VX001044.D
Acq: 21 Apr 2018 07:06

Instrument :
MSVOA_X
ClientSampleId :
LF014MW005-180412MS

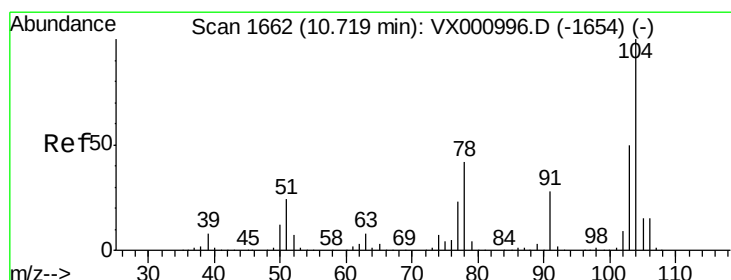
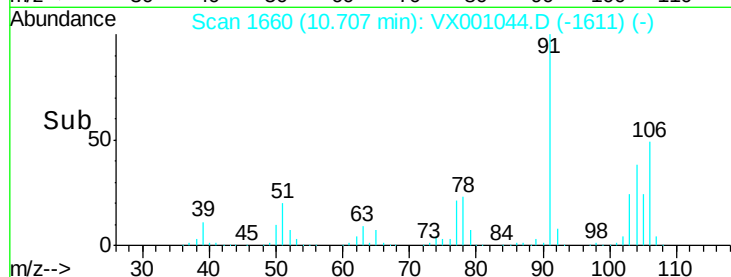
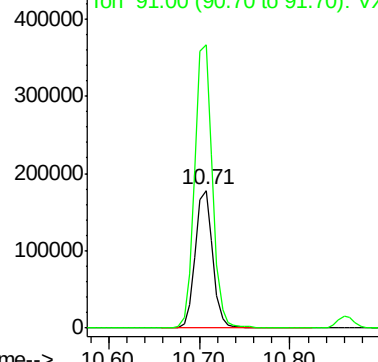
Tgt Ion:106 Resp: 238616
Ion Ratio Lower Upper
106 100
91 209.5 105.1 315.1

Manual Integrations
APPROVED

MMDadoda
4/23/2018 1:27:47 PM

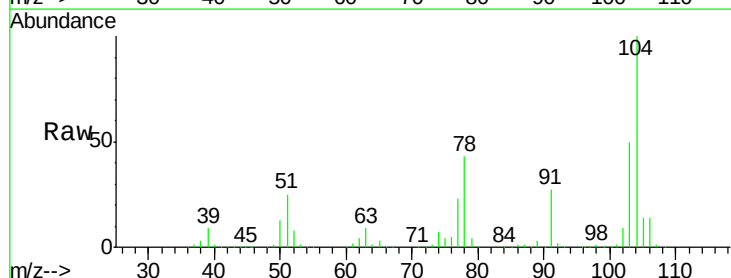


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

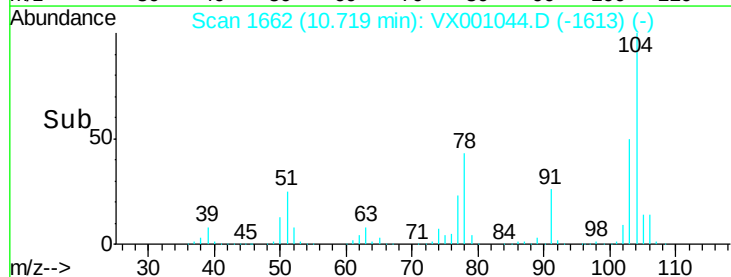
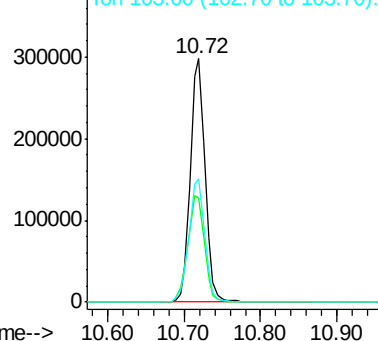


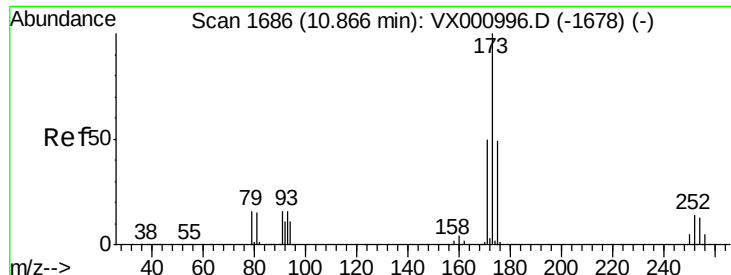
#70
Styrene
Concen: 48.15 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VX001044.D
Acq: 21 Apr 2018 07:06

Tgt Ion:104 Resp: 399099
Ion Ratio Lower Upper
104 100
78 49.5 39.4 59.2
103 54.8 44.2 66.2



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 43.93 ug/l

RT: 10.87 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VX001044.D

Acq: 21 Apr 2018 07:06

Instrument :

MSVOA_X

ClientSampleId :

LF014MW005-180412MS

Tgt Ion:173 Resp: 111085

Ion Ratio Lower Upper

173 100

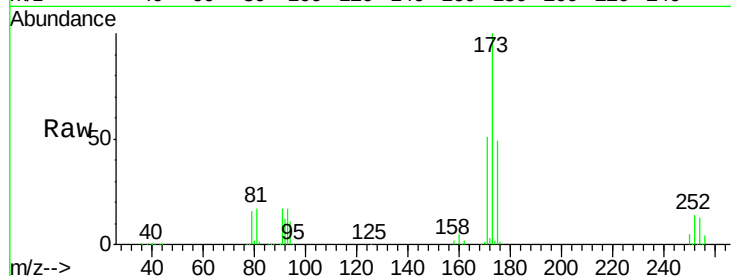
175 49.0 24.8 74.3

254 0.2 0.2 0.2

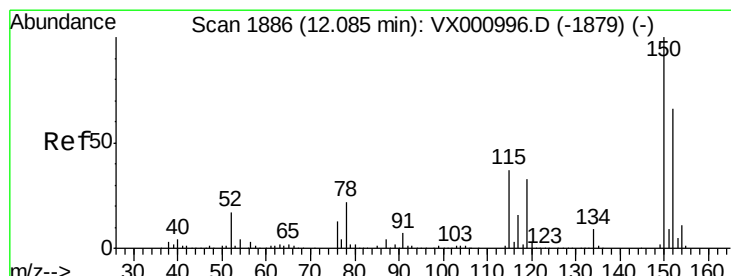
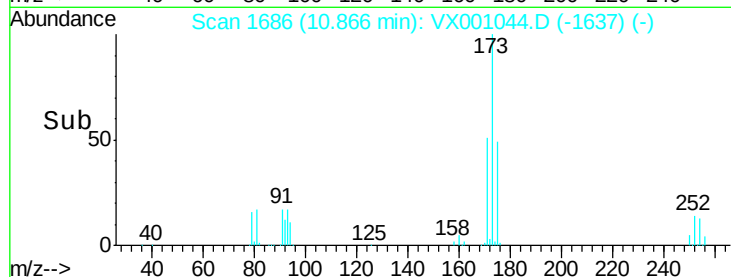
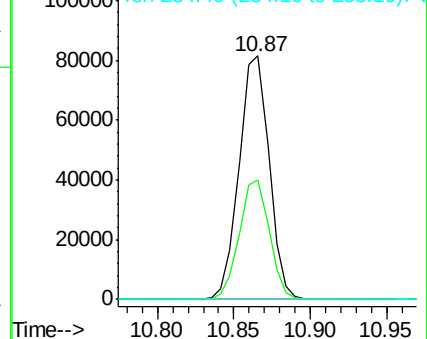
Manual Integrations
APPROVED

MMDadoda

4/23/2018 1:27:47 PM



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX001044.D

Acq: 21 Apr 2018 07:06

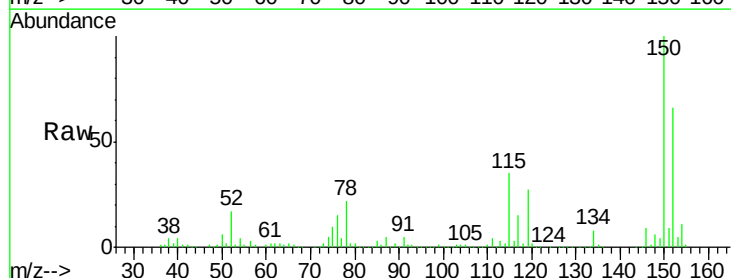
Tgt Ion:152 Resp: 206697

Ion Ratio Lower Upper

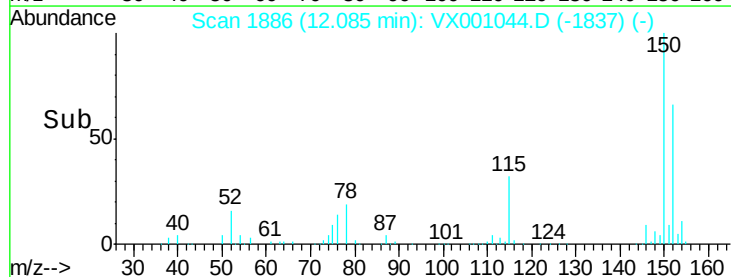
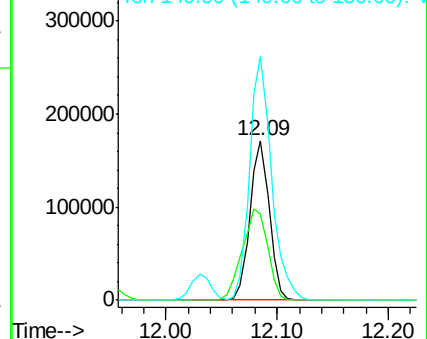
152 100

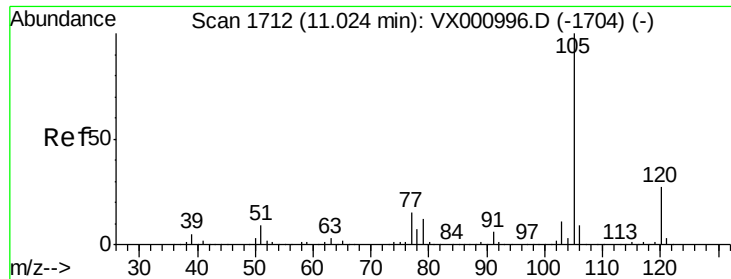
115 74.9 38.2 114.6

150 173.2 0.0 350.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 47.19 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX001044.D

Acq: 21 Apr 2018 07:06

Instrument :

MSVOA_X

ClientSampleId :

LF014MW005-180412MS

Tgt Ion: 105 Resp: 637675

Ion Ratio Lower Upper

105 100

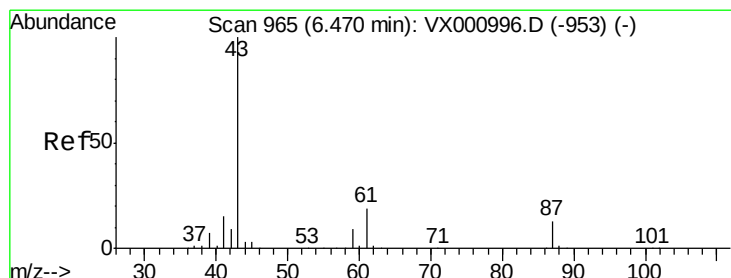
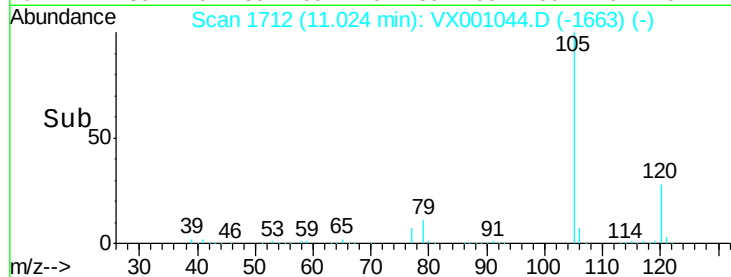
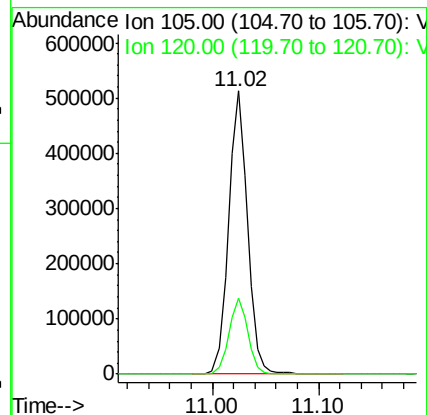
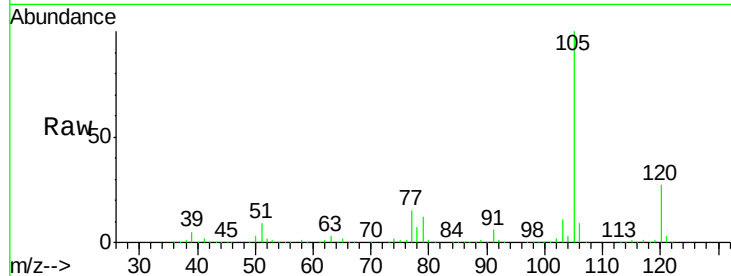
120 27.0 13.4 40.2

Manual Integrations

APPROVED

MMDadoda

4/23/2018 1:27:47 PM



#74

N-ethyl acetate

Concen: 44.87 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.00 min

Lab File: VX001044.D

Acq: 21 Apr 2018 07:06

Tgt Ion: 43 Resp: 259387

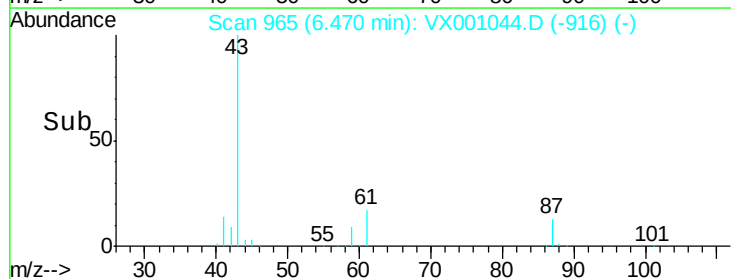
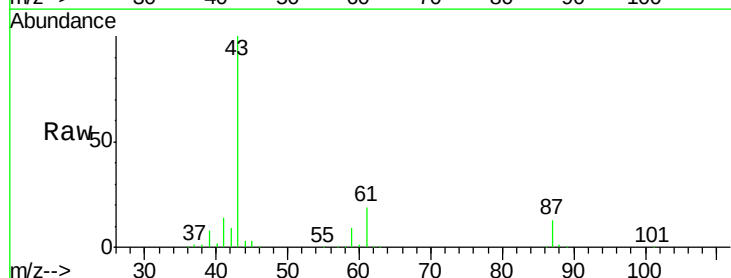
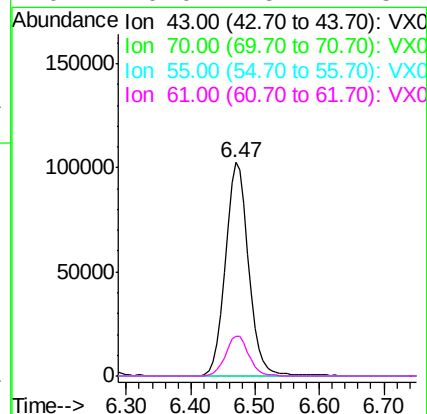
Ion Ratio Lower Upper

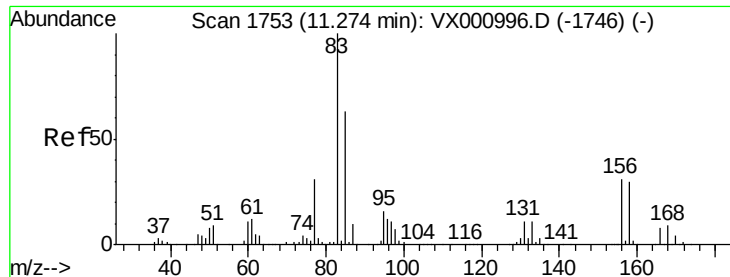
43 100

70 0.0 0.0 0.0

55 0.0 0.1 0.1#

61 19.0 15.4 23.2





#75

1,1,2,2-Tetrachloroethane

Concen: 49.14 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX001044.D

Acq: 21 Apr 2018 07:06

Instrument :

MSVOA_X

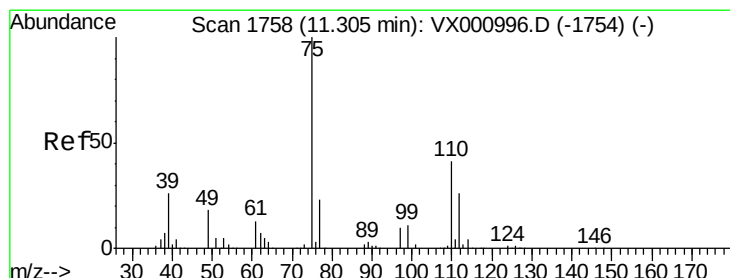
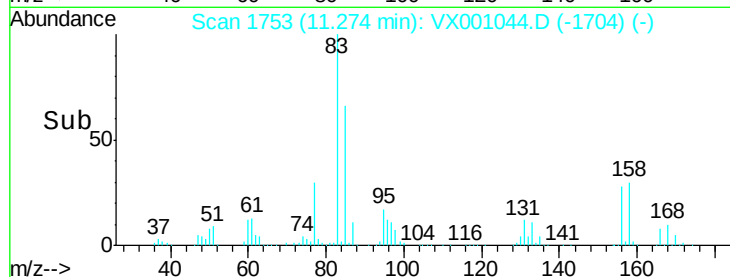
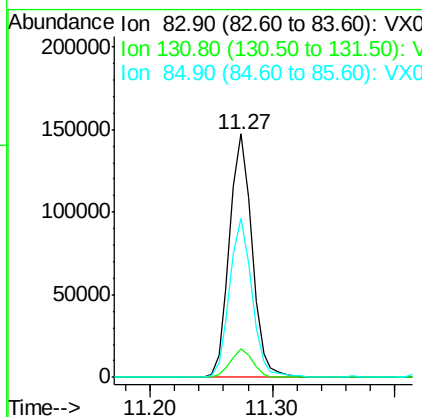
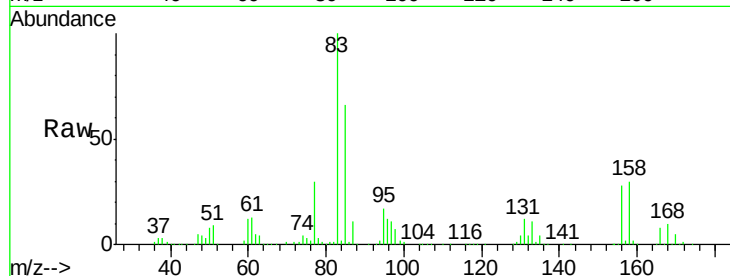
ClientSampleId :

LF014MW005-180412MS

Tgt Ion:	83	Resp:	187996
Ion Ratio	Lower	Upper	
83	100		
131	11.4	5.8	17.4
85	64.7	32.0	96.2

Manual Integrations
APPROVED

MMDadoda
4/23/2018 1:27:47 PM



#76

1,2,3-Trichloropropane

Concen: 48.57 ug/l m

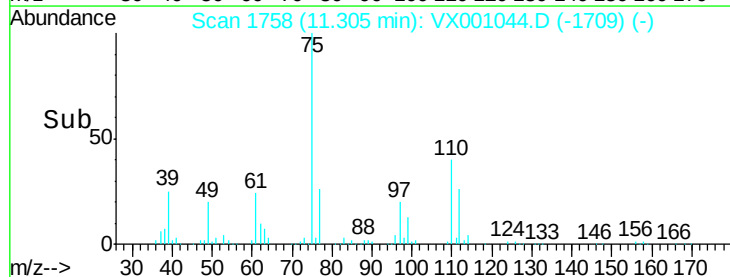
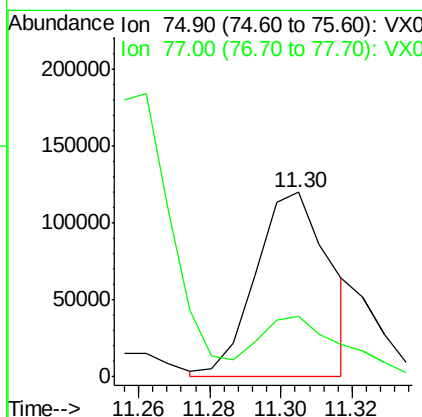
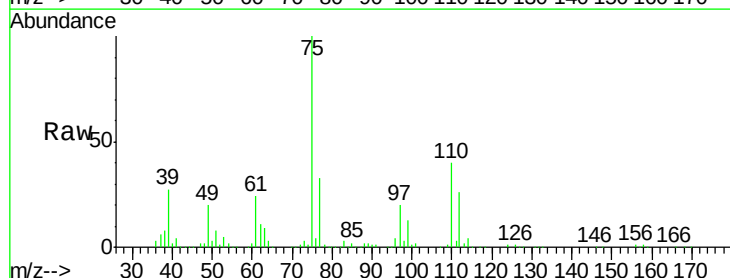
RT: 11.30 min Scan# 1758

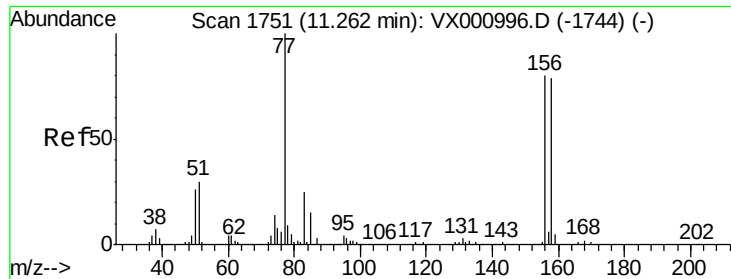
Delta R.T. 0.00 min

Lab File: VX001044.D

Acq: 21 Apr 2018 07:06

Tgt Ion:	75	Resp:	174171
Ion Ratio	Lower	Upper	
75	100		
77	37.3	19.6	58.7





#77

Bromobenzene

Concen: 47.01 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VX001044.D

Acq: 21 Apr 2018 07:06

Instrument :

MSVOA_X

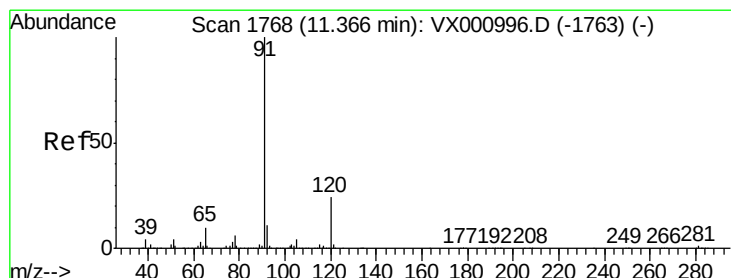
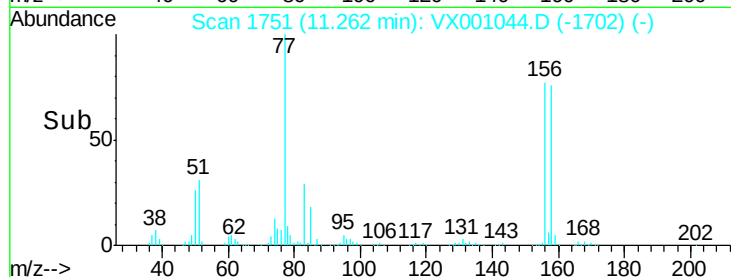
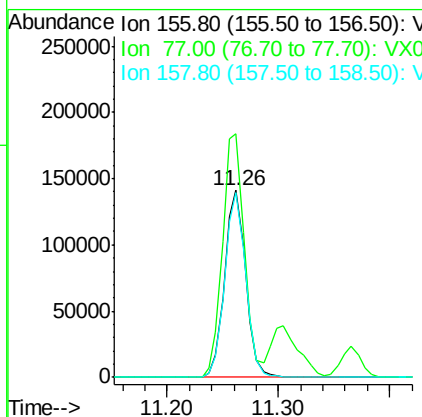
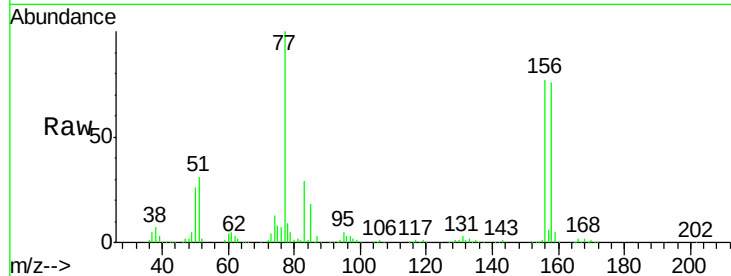
ClientSampleId :

LF014MW005-180412MS

Tgt Ion:	156	Resp:	184396
Ion Ratio	Lower	Upper	
156	100		
77	135.9	66.3	199.0
158	98.6	48.9	146.6

Manual Integrations
APPROVED

MMDadoda
4/23/2018 1:27:47 PM



#78

n-propylbenzene

Concen: 46.55 ug/l

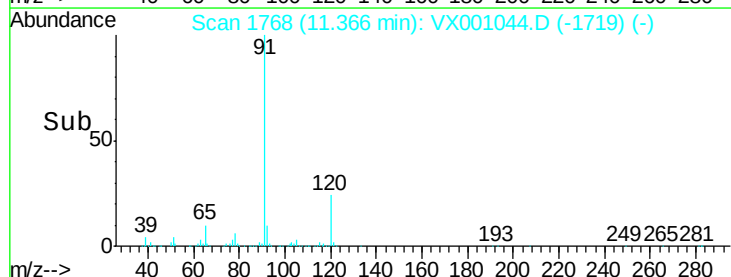
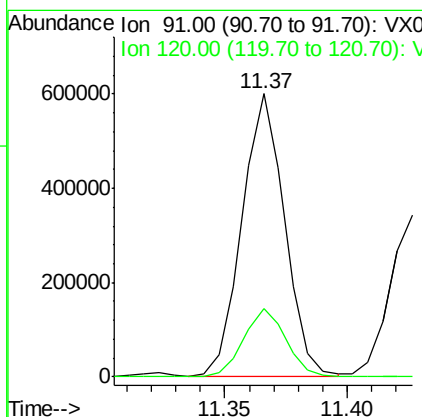
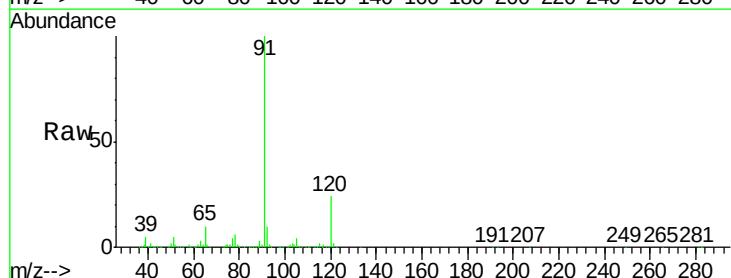
RT: 11.37 min Scan# 1768

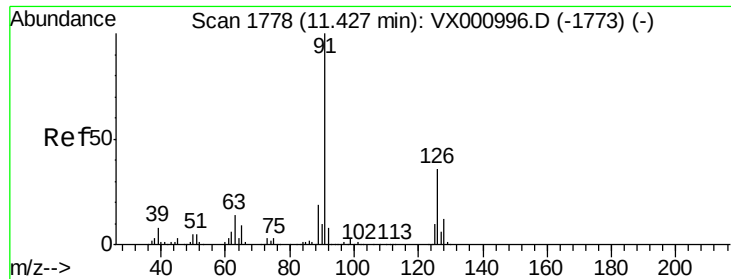
Delta R.T. 0.00 min

Lab File: VX001044.D

Acq: 21 Apr 2018 07:06

Tgt Ion:	91	Resp:	722194
Ion Ratio	Lower	Upper	
91	100		
120	24.6	12.4	37.0





#79

2-Chlorotoluene

Concen: 47.14 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX001044.D

Acq: 21 Apr 2018 07:06

Instrument :

MSVOA_X

ClientSampleId :

LF014MW005-180412MS

Tgt Ion: 91 Resp: 432153

Ion Ratio Lower Upper

91 100

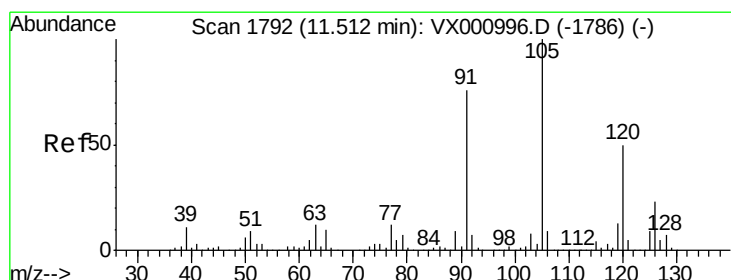
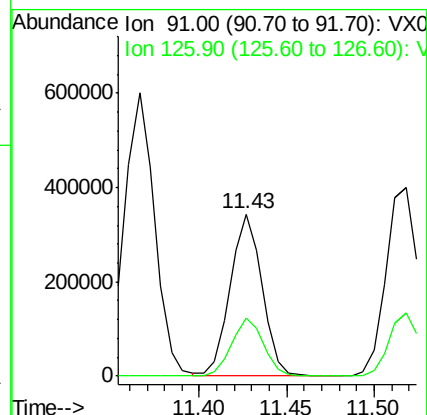
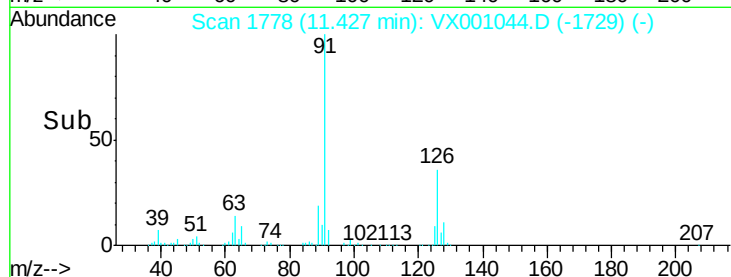
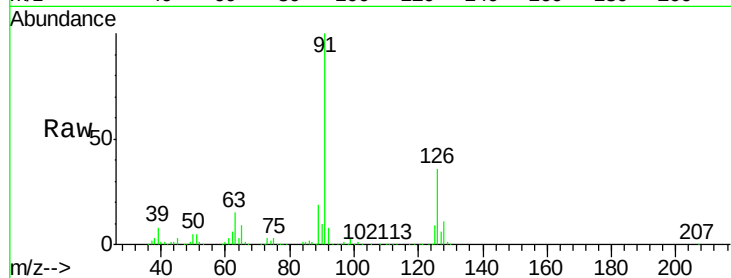
126 36.3 18.3 54.9

Manual Integrations

APPROVED

MMDadoda

4/23/2018 1:27:47 PM



#80

1,3,5-Trimethylbenzene

Concen: 47.54 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX001044.D

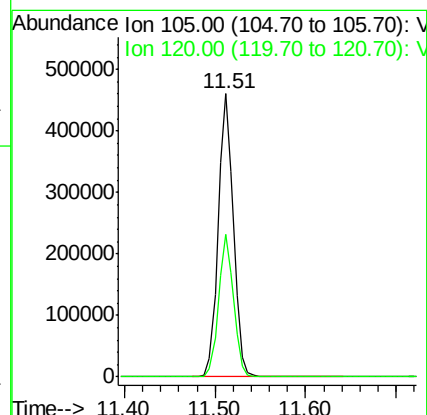
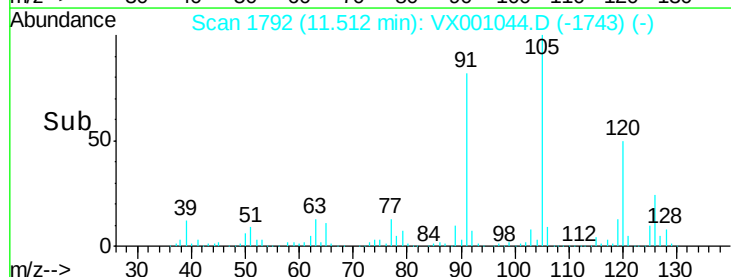
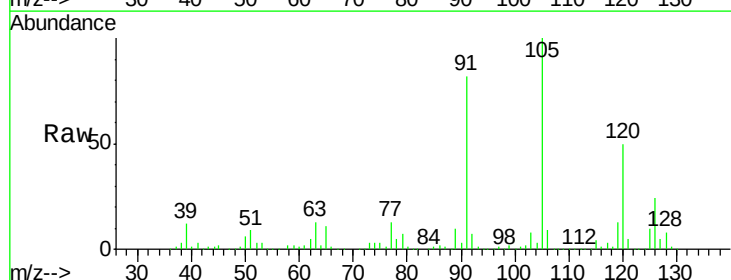
Acq: 21 Apr 2018 07:06

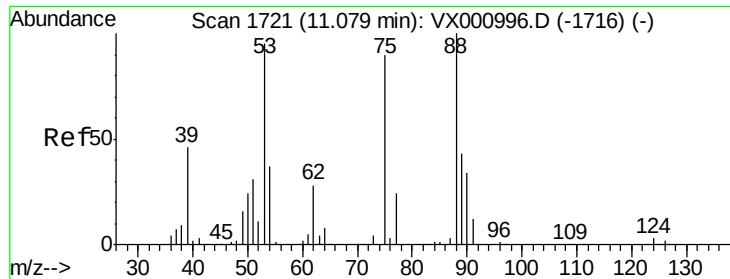
Tgt Ion: 105 Resp: 544509

Ion Ratio Lower Upper

105 100

120 49.7 25.0 75.0





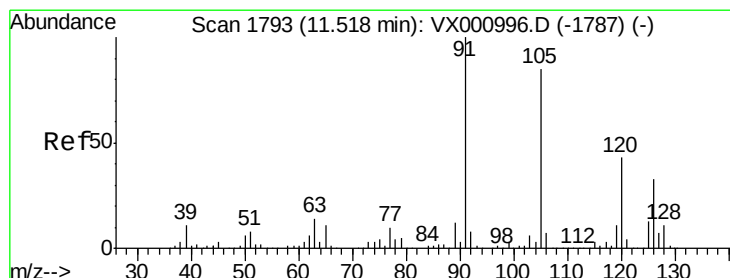
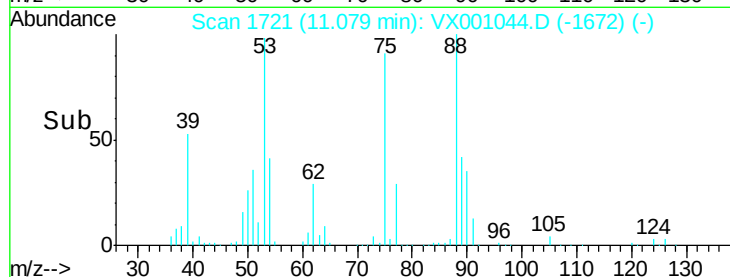
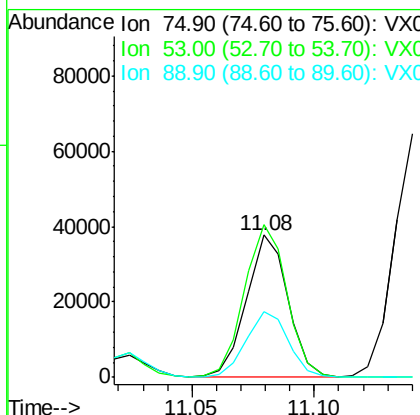
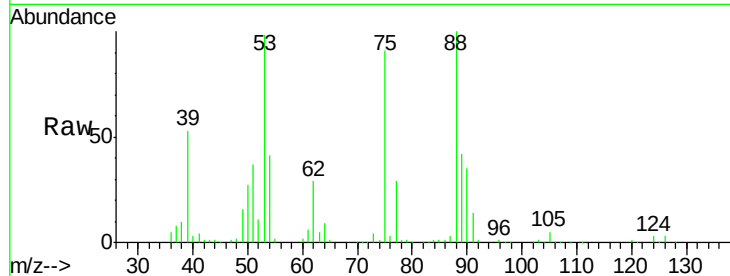
#81
trans-1,4-Dichloro-2-butene
Concen: 38.68 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VX001044.D
Acq: 21 Apr 2018 07:06

Instrument :
MSVOA_X
ClientSampleId :
LF014MW005-180412MS

Tgt Ion: 75 Resp: 44285
Ion Ratio Lower Upper
75 100
53 110.3 83.4 125.2
89 47.6 39.7 59.5

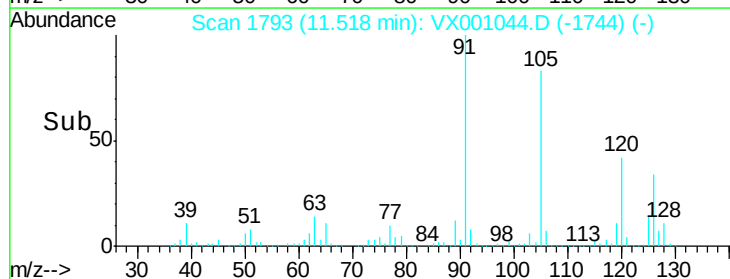
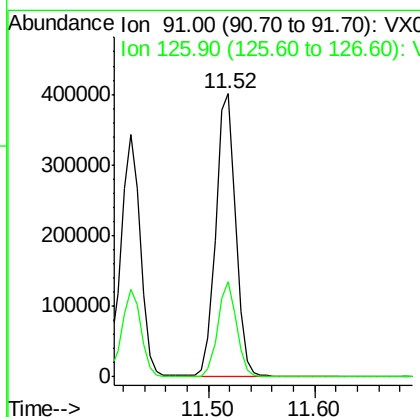
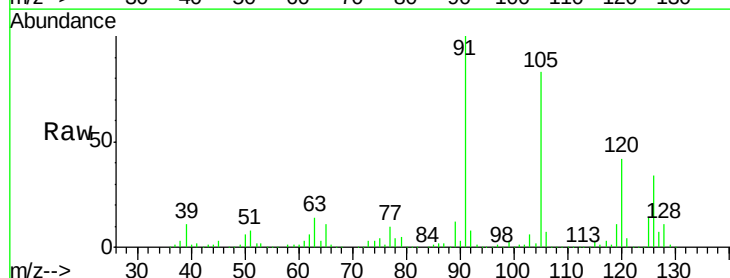
Manual Integrations
APPROVED

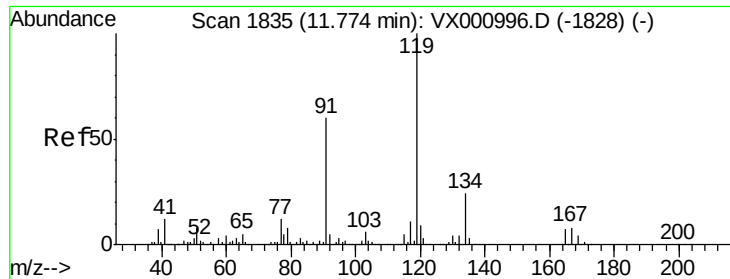
MMDadoda
4/23/2018 1:27:47 PM



#82
4-Chlorotoluene
Concen: 46.77 ug/l
RT: 11.52 min Scan# 1793
Delta R.T. 0.00 min
Lab File: VX001044.D
Acq: 21 Apr 2018 07:06

Tgt Ion: 91 Resp: 518043
Ion Ratio Lower Upper
91 100
126 31.9 16.2 48.5





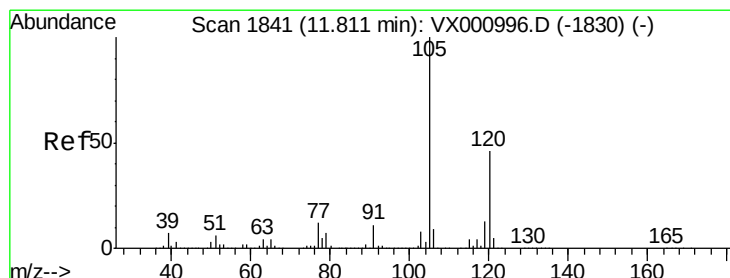
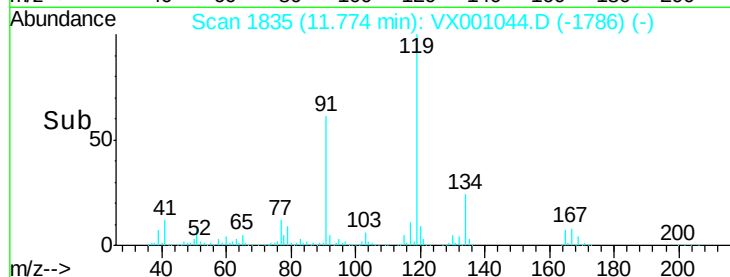
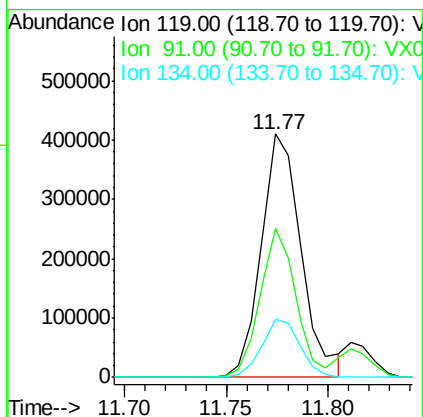
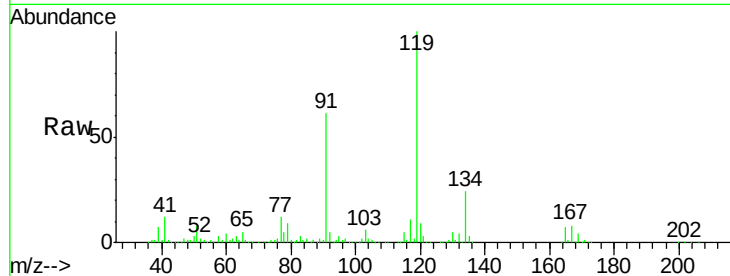
#83
 tert-Butylbenzene
 Concen: 48.43 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX001044.D
 Acq: 21 Apr 2018 07:06

Instrument :
 MSVOA_X
 ClientSampleId :
 LF014MW005-180412MS

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	559623		
91	55.0	27.0	81.0	
134	23.0	11.6	34.7	

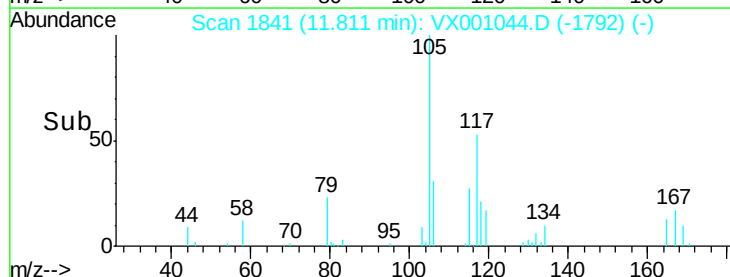
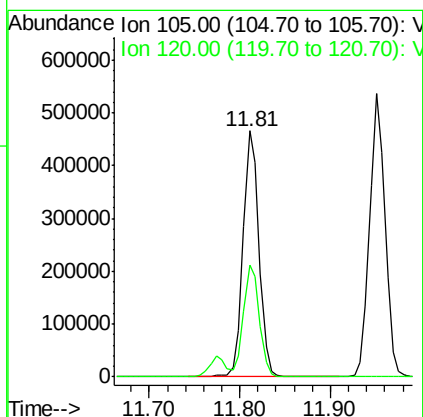
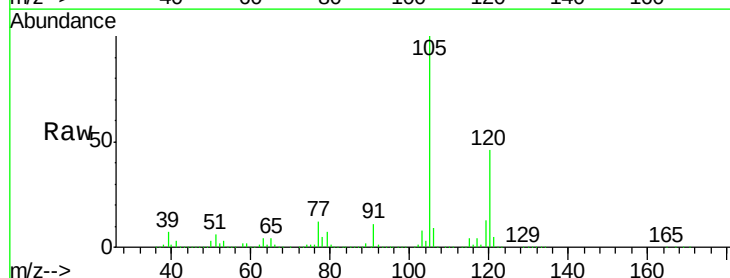
Manual Integrations
 APPROVED

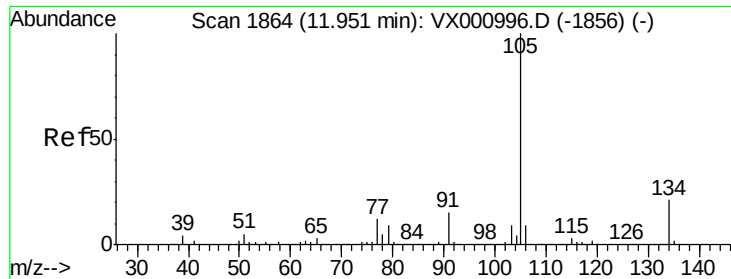
MMDadoda
 4/23/2018 1:27:47 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 47.82 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX001044.D
 Acq: 21 Apr 2018 07:06

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	563723		
120	45.3	23.0	69.0	





#85

sec-Butylbenzene

Concen: 46.20 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX001044.D

Acq: 21 Apr 2018 07:06

Instrument :

MSVOA_X

ClientSampleId :

LF014MW005-180412MS

Tgt Ion:105 Resp: 637243

Ion Ratio Lower Upper

105 100

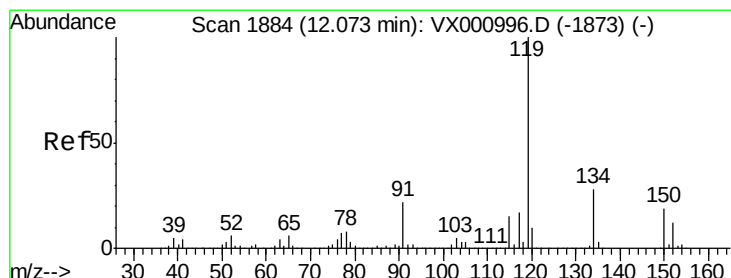
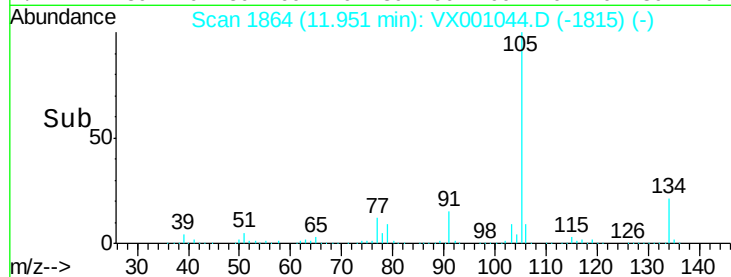
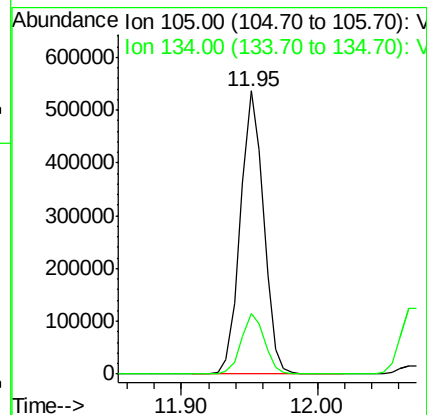
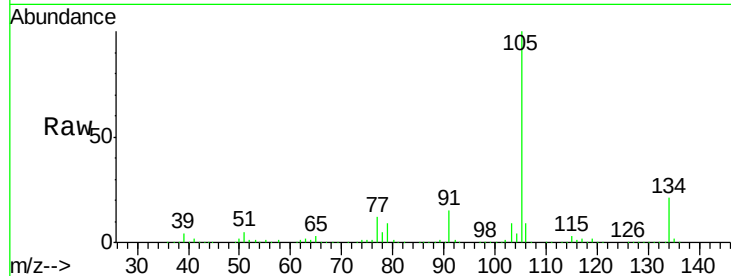
134 21.3 10.5 31.6

Manual Integrations

APPROVED

MMDadoda

4/23/2018 1:27:47 PM



#86

p-Isopropyltoluene

Concen: 46.06 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.01 min

Lab File: VX001044.D

Acq: 21 Apr 2018 07:06

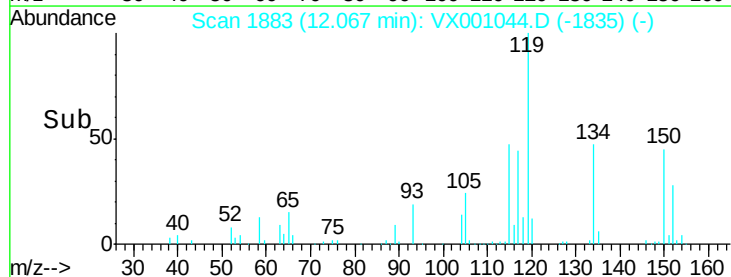
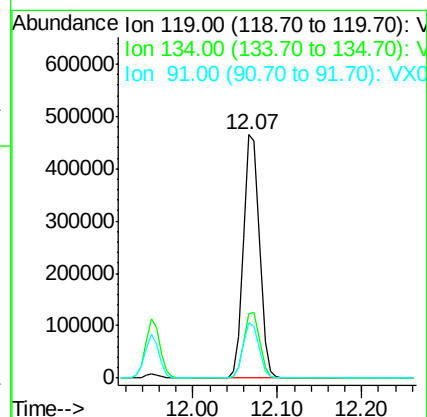
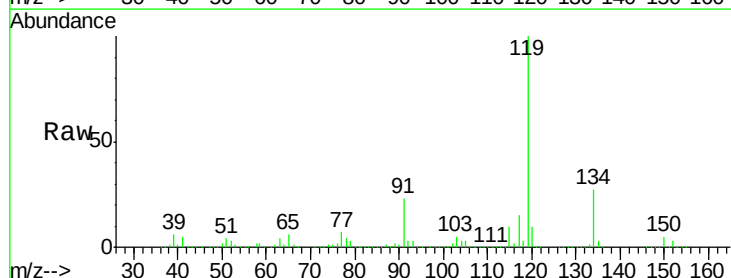
Tgt Ion:119 Resp: 587685

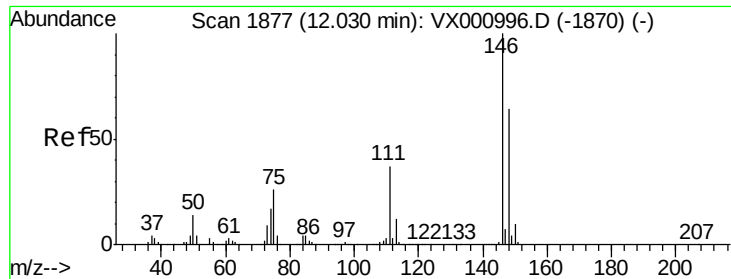
Ion Ratio Lower Upper

119 100

134 26.9 13.5 40.5

91 22.6 11.4 34.1





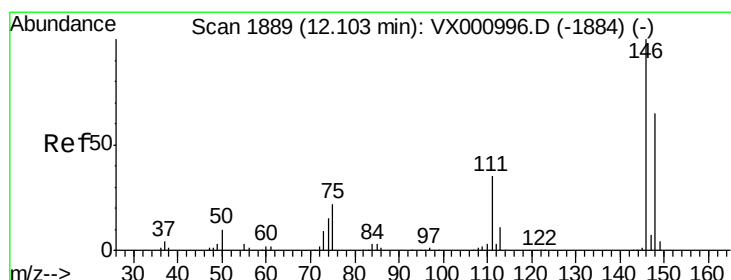
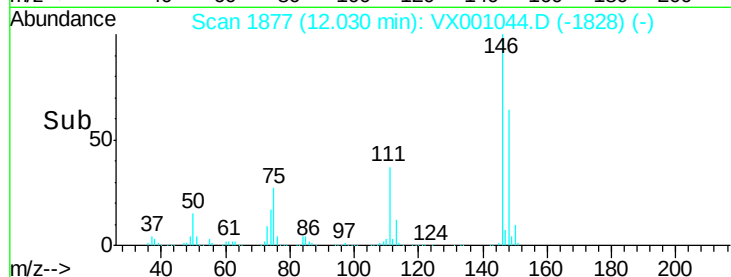
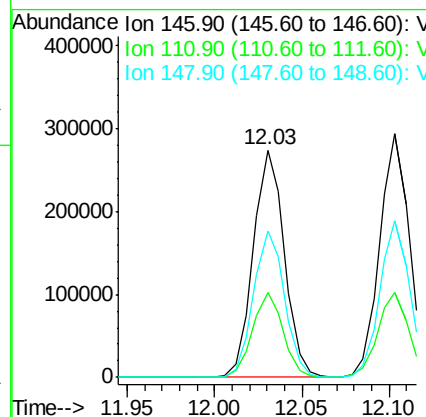
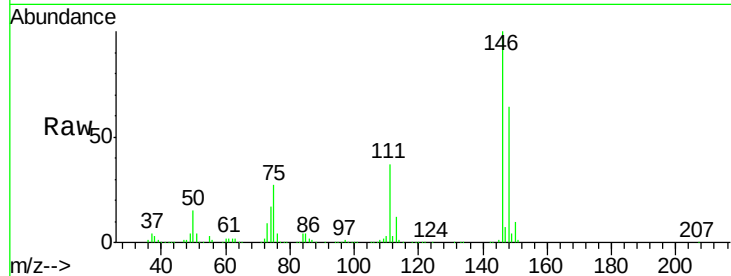
#87
 1,3-Dichlorobenzene
 Concen: 46.08 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX001044.D
 Acq: 21 Apr 2018 07:06

Instrument :
 MSVOA_X
 ClientSampleId :
 LF014MW005-180412MS

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	338344		
111	36.8	18.3	54.8	
148	64.6	32.2	96.6	

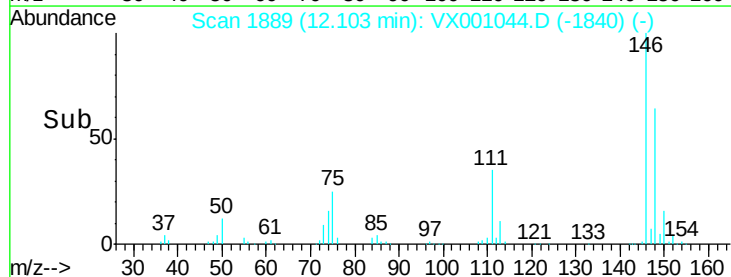
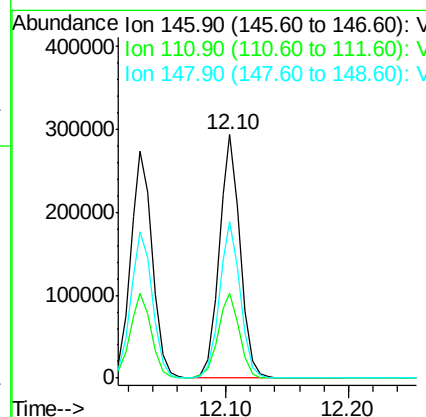
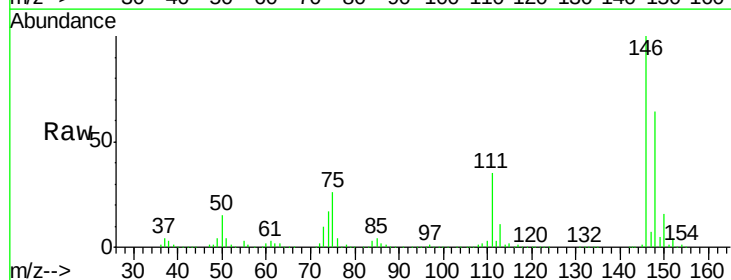
Manual Integrations
 APPROVED

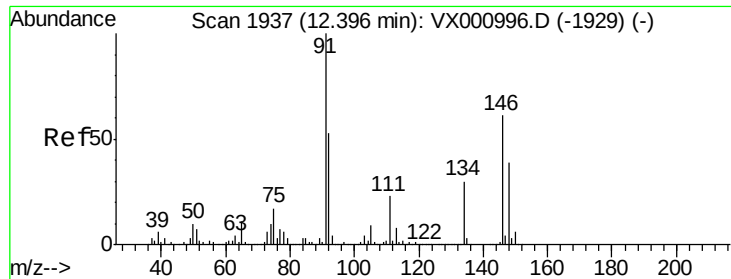
MMDadoda
 4/23/2018 1:27:47 PM



#88
 1,4-Dichlorobenzene
 Concen: 46.35 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VX001044.D
 Acq: 21 Apr 2018 07:06

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	349346		
111	35.7	18.0	54.0	
148	64.2	32.4	97.0	





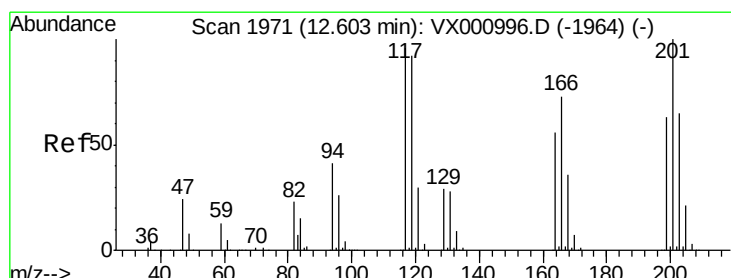
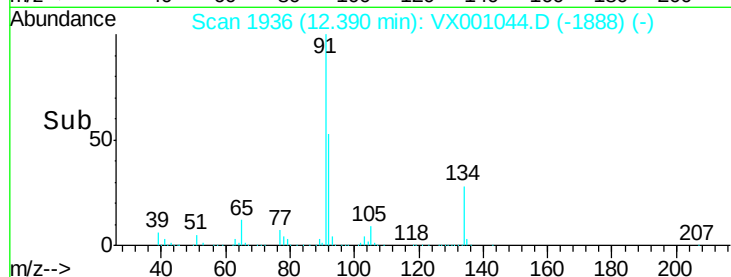
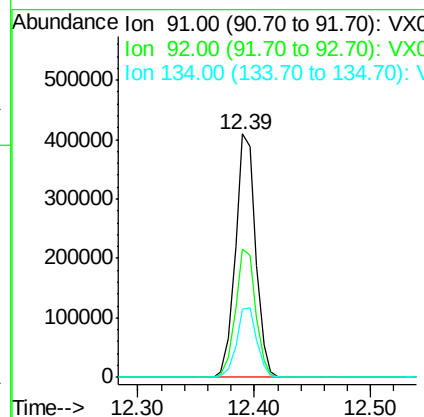
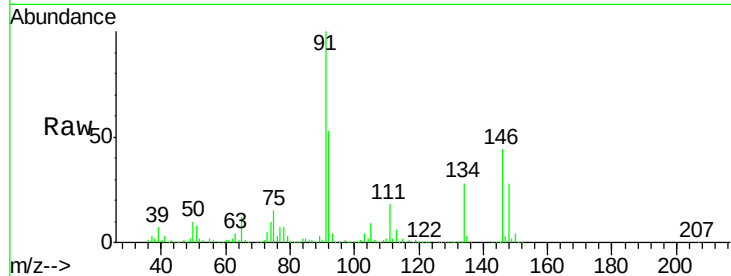
#89
n-Butylbenzene
Concen: 43.43 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.01 min
Lab File: VX001044.D
Acq: 21 Apr 2018 07:06

Instrument :
MSVOA_X
ClientSampleId :
LF014MW005-180412MS

Tgt Ion: 91 Resp: 493072
Ion Ratio Lower Upper
91 100
92 52.8 26.3 78.9
134 28.8 14.4 43.0

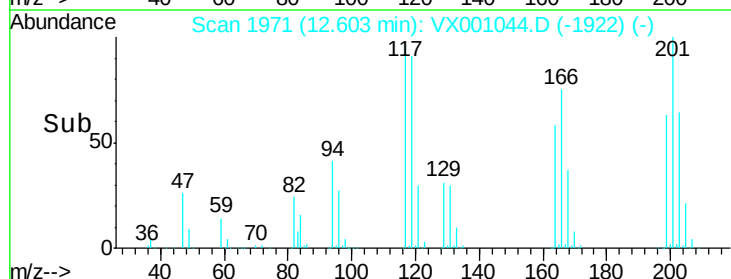
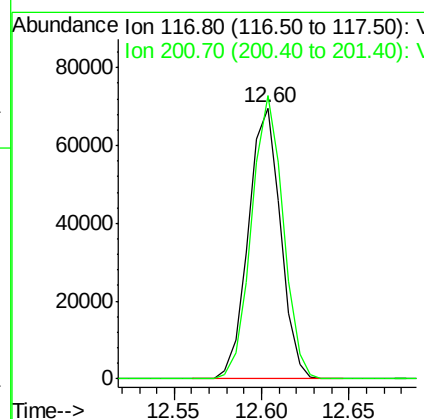
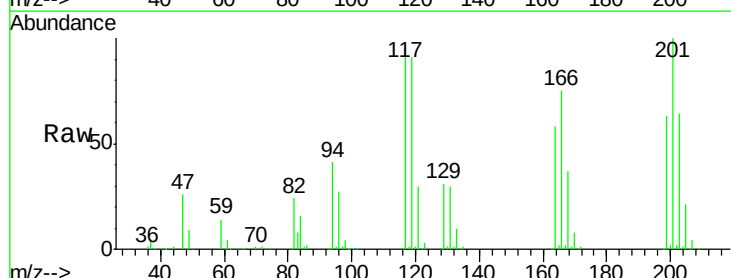
Manual Integrations
APPROVED

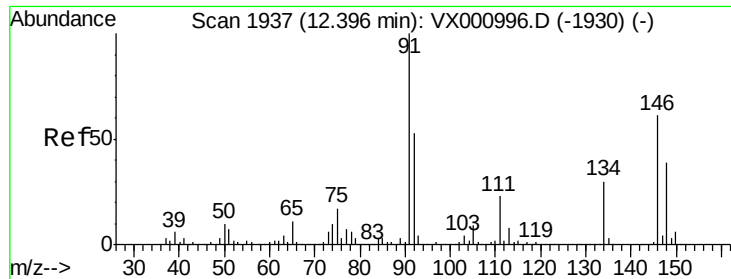
MMDadoda
4/23/2018 1:27:47 PM



#90
Hexachloroethane
Concen: 49.17 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VX001044.D
Acq: 21 Apr 2018 07:06

Tgt Ion: 117 Resp: 88905
Ion Ratio Lower Upper
117 100
201 102.9 52.3 157.1





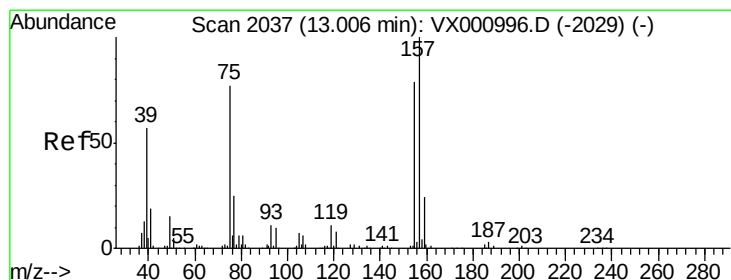
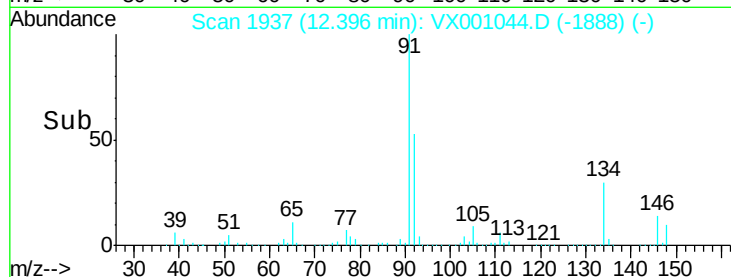
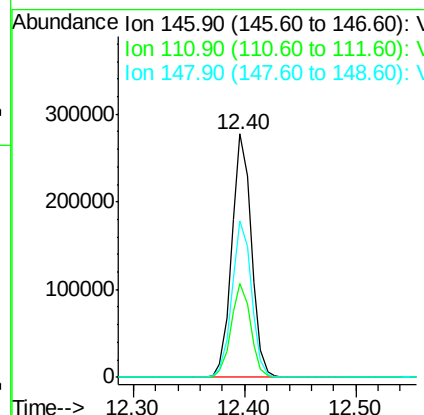
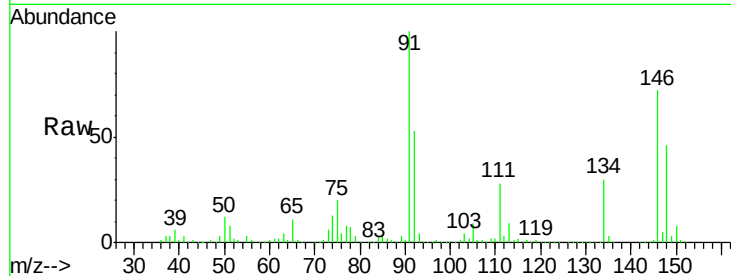
#91
 1,2-Dichlorobenzene
 Concen: 47.33 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX001044.D
 Acq: 21 Apr 2018 07:06

Instrument :
 MSVOA_X
 ClientSampleId :
 LF014MW005-180412MS

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.1	18.6	56.0
148	64.1	32.3	96.8

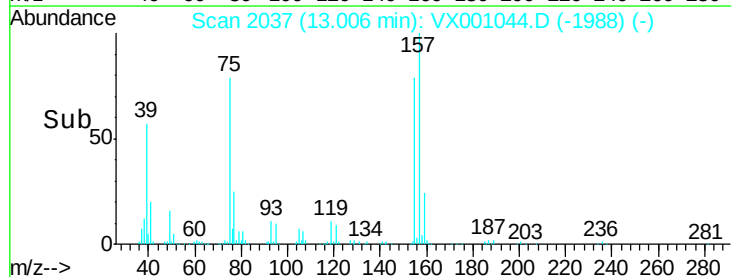
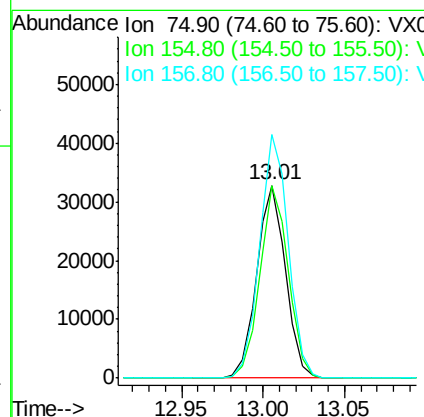
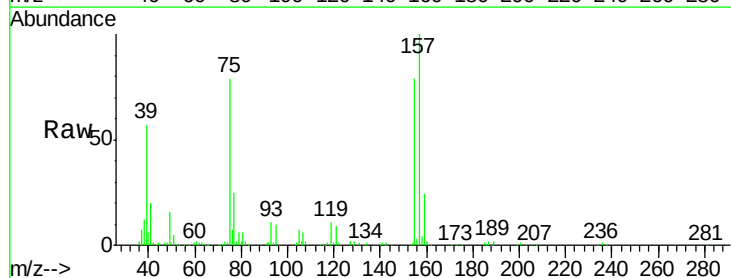
Manual Integrations
 APPROVED

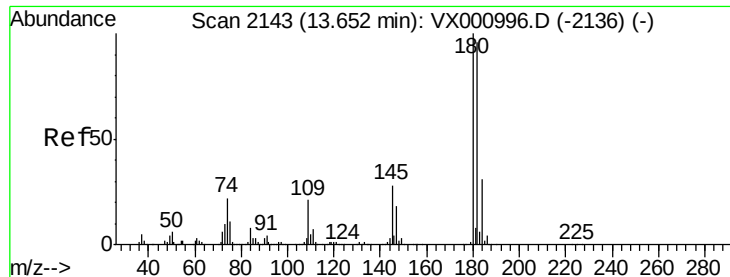
MMDadoda
 4/23/2018 1:27:47 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.20 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX001044.D
 Acq: 21 Apr 2018 07:06

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.8	51.0	153.0
157	125.8	64.9	194.7





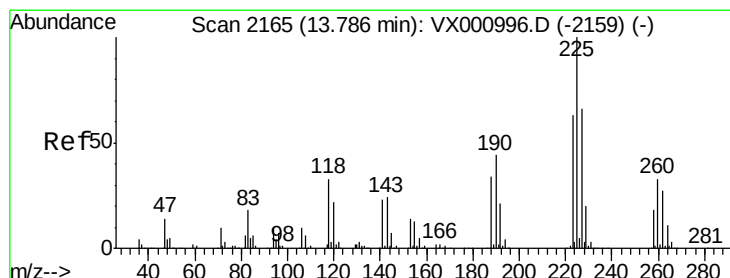
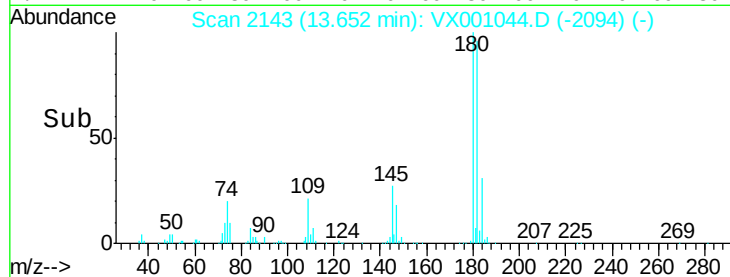
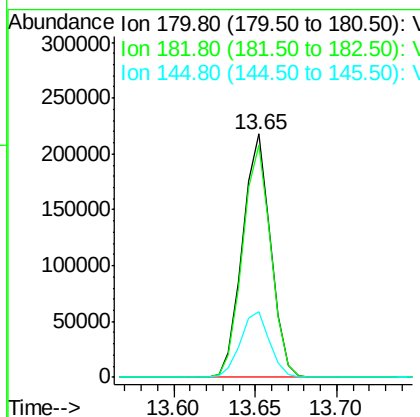
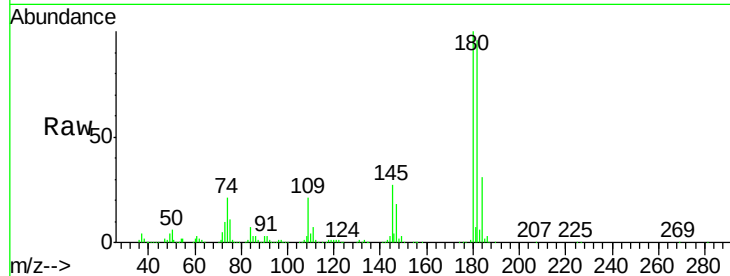
#93
 1,2,4-Trichlorobenzene
 Concen: 43.97 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX001044.D
 Acq: 21 Apr 2018 07:06

Instrument :
 MSVOA_X
 ClientSampleId :
 LF014MW005-180412MS

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	262363		
182	96.4	48.0	144.0	
145	27.8	13.9	41.7	

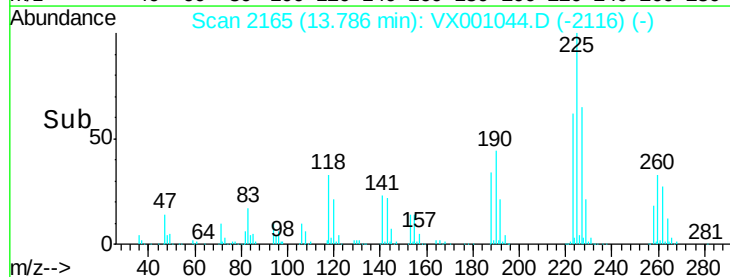
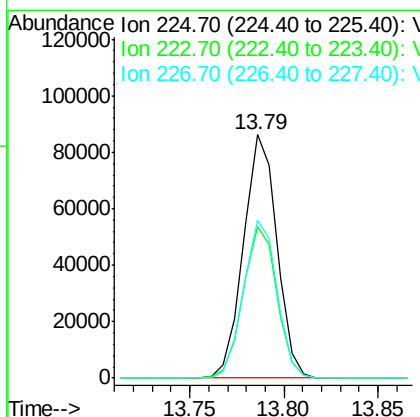
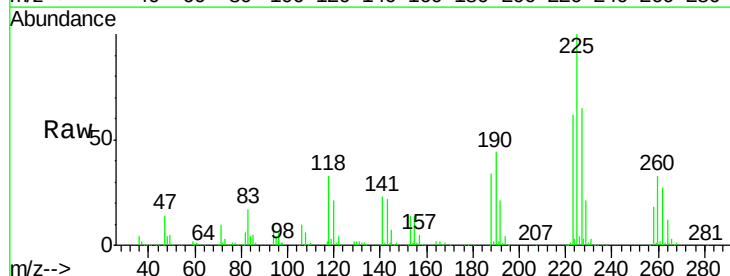
Manual Integrations
 APPROVED

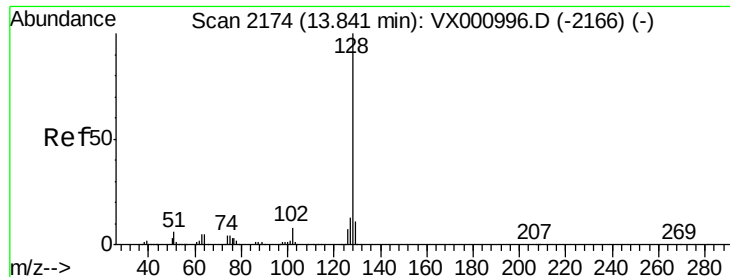
MMDadoda
 4/23/2018 1:27:47 PM



#94
 Hexachlorobutadiene
 Concen: 39.20 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX001044.D
 Acq: 21 Apr 2018 07:06

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	105838		
223	62.8	31.5	94.5	
227	64.9	32.6	97.8	





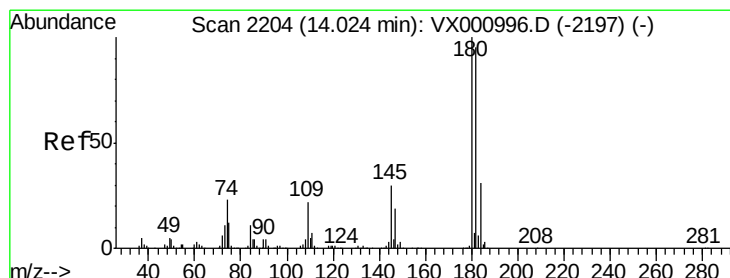
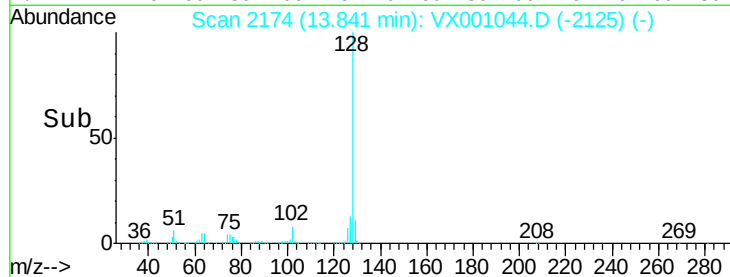
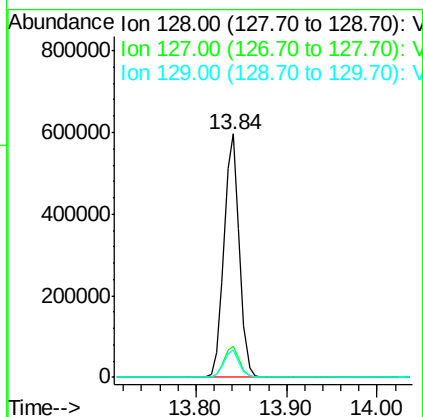
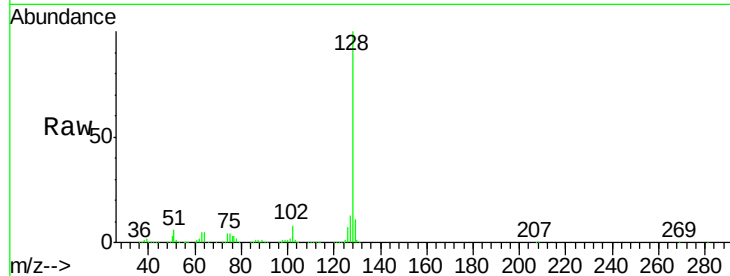
#95
Naphthalene
Concen: 48.21 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.00 min
Lab File: VX001044.D
Acq: 21 Apr 2018 07:06

Instrument :
MSVOA_X
ClientSampleId :
LF014MW005-180412MS

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	707505		
127	13.0		10.2	15.4
129	11.1		8.7	13.1

Manual Integrations
APPROVED

MMDadoda
4/23/2018 1:27:47 PM



#96
1,2,3-Trichlorobenzene
Concen: 45.17 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VX001044.D
Acq: 21 Apr 2018 07:06

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	260699		
182	95.5		47.9	143.7
145	29.4		14.5	43.6

