

Data File : VX001010.D
Acq On : 20 Apr 2018 15:52
Operator : JC/MD
Sample : VX0420MBSD01
Misc : 5.00g/10mL/100uL/5.0mL/MSVOA_X/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0420MBSD01

Manual Integrations
APPROVED

MMDadoda
4/23/2018 1:27:40 PM

Quant Time: Apr 21 05:58:22 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	232871	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	317997	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	301466	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	210184	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.08	65	142176	48.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.32%	
35) Dibromofluoromethane	5.51	113	116208	47.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.84%	
50) Toluene-d8	8.72	98	420183	46.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.72%	
62) 4-Bromofluorobenzene	11.14	95	175450	46.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.26%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.20	85	63142	21.86	ug/l 97
3) Chloromethane	1.32	50	53480	19.89	ug/l 98
4) Vinyl Chloride	1.41	62	56395	20.23	ug/l 98
5) Bromomethane	1.65	94	38462	21.74	ug/l 97
6) Chloroethane	1.73	64	32924	19.88	ug/l 96
7) Trichlorofluoromethane	1.93	101	84540	20.19	ug/l 99
8) Diethyl Ether	2.19	74	31267	20.22	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	48654	19.83	ug/l 100
10) Methyl Iodide	2.52	142	36772	20.48	ug/l 99
11) Tert butyl alcohol	3.07	59	45898	103.10	ug/l 99
12) 1,1-Dichloroethene	2.38	96	45452	20.03	ug/l 100
13) Acrolein	2.30	56	16384	123.90	ug/l 94
14) Allyl chloride	2.73	41	80859	19.69	ug/l 99
15) Acrylonitrile	3.15	53	117786	97.76	ug/l 99
16) Acetone	2.45	43	107516	96.72	ug/l 98
17) Carbon Disulfide	2.57	76	121861	18.85	ug/l 99
18) Methyl Acetate	2.78	43	72724	21.62	ug/l 100
19) Methyl tert-butyl Ether	3.21	73	153771	20.16	ug/l 97
20) Methylene Chloride	2.86	84	49174	20.07	ug/l 98
21) trans-1,2-Dichloroethene	3.17	96	49023	19.41	ug/l 100
22) Diisopropyl ether	3.88	45	159550	20.07	ug/l 98
23) Vinyl Acetate	3.83	43	652982	99.23	ug/l 100
24) 1,1-Dichloroethane	3.70	63	87917	19.72	ug/l 99
25) 2-Butanone	4.71	43	171259	98.70	ug/l 99
26) 2,2-Dichloropropane	4.59	77	74551	19.44	ug/l 100
27) cis-1,2-Dichloroethene	4.60	96	55926	19.88	ug/l 99
28) Bromochloromethane	5.03	49	33423	19.49	ug/l 98
29) Tetrahydrofuran	5.17	42	109211	99.60	ug/l 100
30) Chloroform	5.23	83	91250	19.76	ug/l 96
31) Cyclohexane	5.59	56	80480	19.34	ug/l 98
32) 1,1,1-Trichloroethane	5.50	97	82111	19.83	ug/l 99
36) 1,1-Dichloropropene	5.81	75	70481	18.86	ug/l 99
37) Ethyl Acetate	4.87	43	66882	19.51	ug/l 99
38) Carbon Tetrachloride	5.79	117	71893	19.00	ug/l 98

Data File : VX001010.D
Acq On : 20 Apr 2018 15:52
Operator : JC/MD
Sample : VX0420MBSD01
Misc : 5.00g/10mL/100uL/5.0mL/MSVOA_X/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleID :
VX0420MBSD01

Manual Integrations
APPROVED

MMDadoda
4/23/2018 1:27:40 PM

Quant Time: Apr 21 05:58:22 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	82346	18.93	ug/l	98
40) Benzene	6.15	78	201335	19.38	ug/l	99
41) Methacrylonitrile	5.07	41	39936	18.66	ug/l	99
42) 1,2-Dichloroethane	6.21	62	77430	19.42	ug/l	100
43) Isopropyl Acetate	6.48	43	114771	19.52	ug/l	99
44) Trichloroethene	7.22	130	61686	19.43	ug/l	100
45) 1,2-Dichloropropane	7.52	63	52279	20.01	ug/l	99
46) Dibromomethane	7.67	93	35580	19.49	ug/l	98
47) Bromodichloromethane	7.90	83	64682	19.13	ug/l	98
48) Methyl methacrylate	7.79	41	61367	19.38	ug/l	99
49) 1,4-Dioxane	7.76	88	18034	387.28	ug/l	95
51) 4-Methyl-2-Pentanone	8.66	43	355355	99.52	ug/l	98
52) Toluene	8.79	92	132719	19.57	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	78913	19.51	ug/l	100
54) cis-1,3-Dichloropropene	9.05	75	74296	19.48	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	52516	19.49	ug/l	99
56) Ethyl methacrylate	9.19	69	77888	19.68	ug/l	99
57) 1,3-Dichloropropane	9.38	76	85812	19.22	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	194004	100.42	ug/l	100
59) 2-Hexanone	9.51	43	267487	97.87	ug/l	99
60) Dibromochloromethane	9.59	129	54515	19.26	ug/l	100
61) 1,2-Dibromoethane	9.68	107	55939	19.67	ug/l	100
64) Tetrachloroethene	9.34	164	62836	19.63	ug/l	99
65) Chlorobenzene	10.15	112	155412	19.36	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	54149	19.65	ug/l	99
67) Ethyl Benzene	10.26	91	259374	19.46	ug/l	99
68) m/p-Xylenes	10.37	106	202907	38.62	ug/l	98
69) o-Xylene	10.71	106	98010	19.35	ug/l	98
70) Styrene	10.72	104	163123	19.55	ug/l	100
71) Bromoform	10.87	173	42432	18.37	ug/l #	100
73) Isopropylbenzene	11.02	105	266859	19.42	ug/l	100
74) N-amyl acetate	6.48	43	114771	19.53	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	76444	19.65	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	71032m	19.48	ug/l	
77) Bromobenzene	11.26	156	76030	19.06	ug/l	98
78) n-propylbenzene	11.37	91	305568	19.37	ug/l	100
79) 2-Chlorotoluene	11.43	91	180551	19.37	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	226533	19.45	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	18254	17.61	ug/l	93
82) 4-Chlorotoluene	11.52	91	215495	19.13	ug/l	100
83) tert-Butylbenzene	11.77	119	231304	19.68	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	233379	19.47	ug/l	99
85) sec-Butylbenzene	11.95	105	272272	19.41	ug/l	100
86) p-Isopropyltoluene	12.07	119	250274	19.29	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	141452	18.94	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	145951	19.04	ug/l	99
89) n-Butylbenzene	12.39	91	219779	19.04	ug/l	99
90) Hexachloroethane	12.60	117	34144	18.57	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	138494	19.16	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	16372	20.09	ug/l	94

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

Data File : VX001010.D
Acq On : 20 Apr 2018 15:52
Operator : JC/MD
Sample : VX0420MBSD01
Misc : 5.00g/10mL/100uL/5.0mL/MSVOA_X/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0420MBSD01

Manual Integrations
APPROVED

MMDadoda
4/23/2018 1:27:40 PM

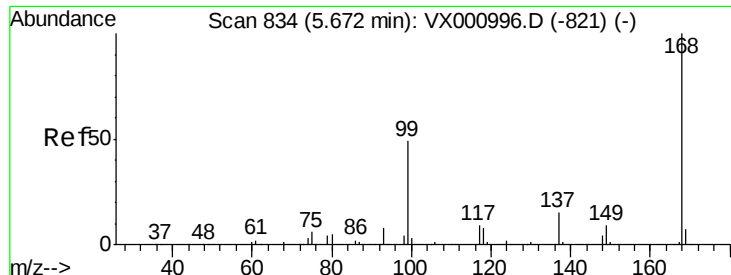
Quant Time: Apr 21 05:58:22 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041918W.M
Quant Title : SW846 8260
QLast Update : Fri Apr 20 05:03:28 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	114818	18.92	ug/l	99
94) Hexachlorobutadiene	13.79	225	50738	18.48	ug/l	98
95) Naphthalene	13.84	128	297069	19.91	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	111433	18.99	ug/l	100

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

MMDadoda
4/23/2018 1:27:40 PM

[illegible]



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX001010.D

Acq: 20 Apr 2018 15:52

Instrument :

MSVOA_X

ClientSampleId :

VX0420MBSD01

Tgt Ion: 168 Resp: 232871

Ion Ratio Lower Upper

168 100

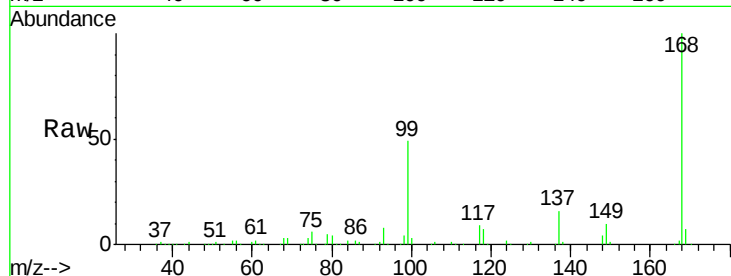
99 49.2 39.2 58.8

Manual Integrations

APPROVED

MMDadoda

4/23/2018 1:27:40 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

80000

60000

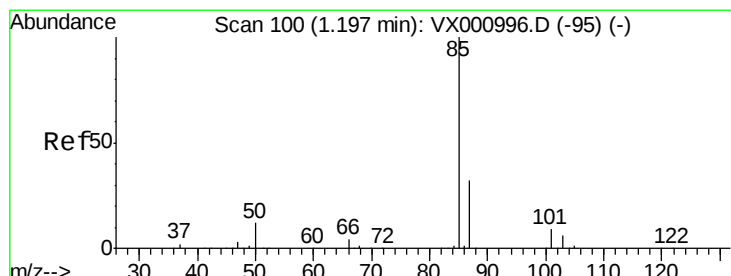
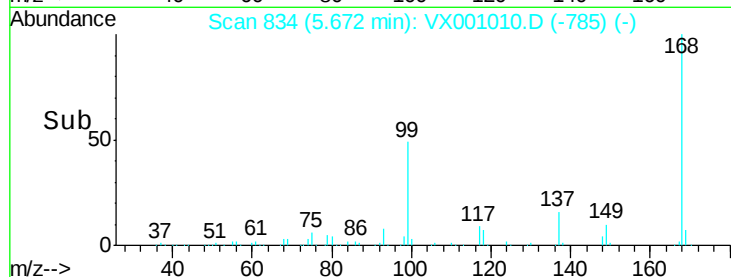
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 21.86 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX001010.D

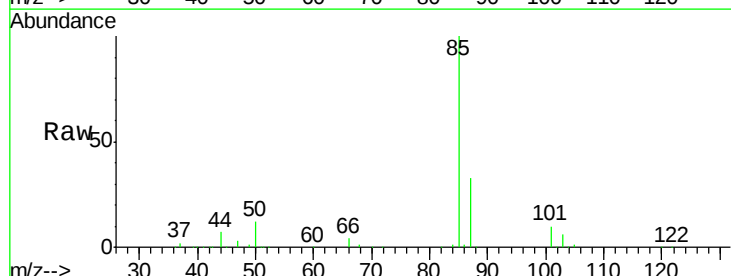
Acq: 20 Apr 2018 15:52

Tgt Ion: 85 Resp: 63142

Ion Ratio Lower Upper

85 100

87 33.0 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

60000

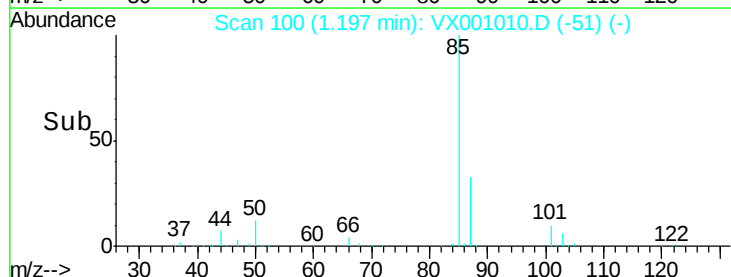
40000

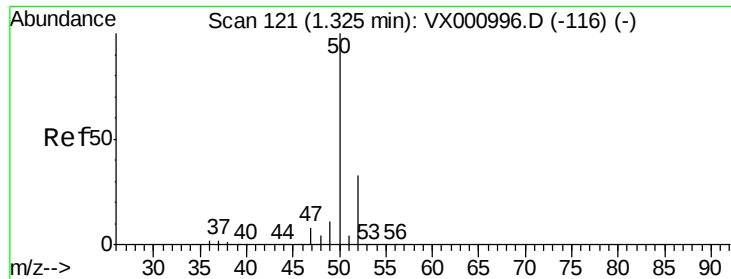
20000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 19.89 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX001010.D

Acq: 20 Apr 2018 15:52

Instrument :

MSVOA_X

ClientSampleId :

VX0420MBSD01

Tgt Ion: 50 Resp: 53480

Ion Ratio Lower Upper

50 100

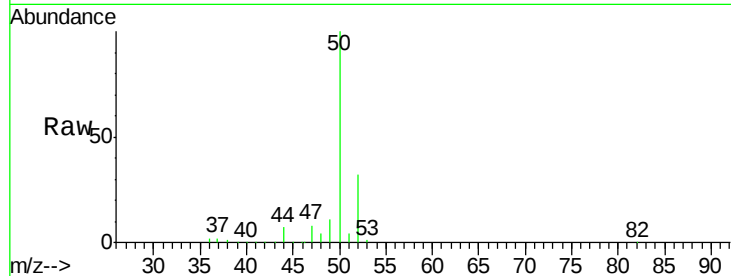
52 31.7 26.3 39.5

Manual Integrations

APPROVED

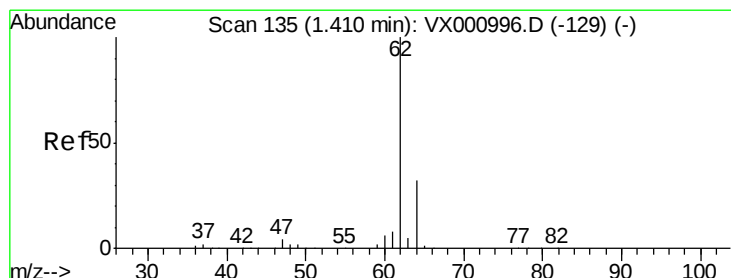
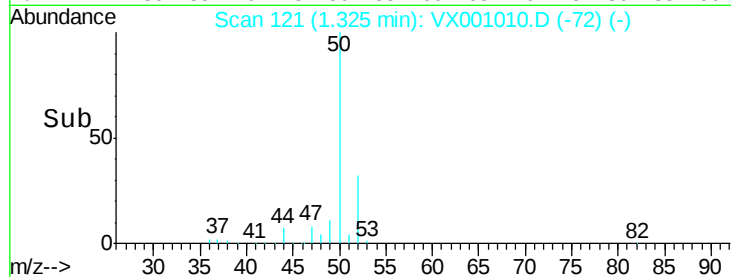
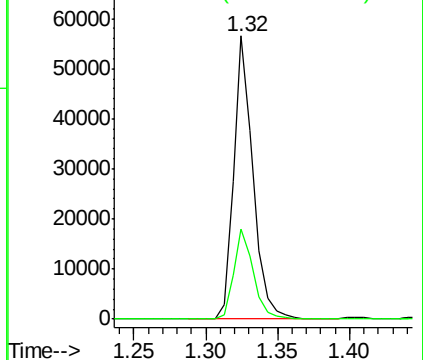
MMDadoda

4/23/2018 1:27:40 PM



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 20.23 ug/l

RT: 1.41 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX001010.D

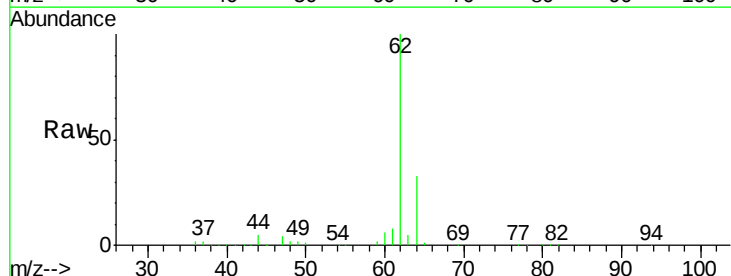
Acq: 20 Apr 2018 15:52

Tgt Ion: 62 Resp: 56395

Ion Ratio Lower Upper

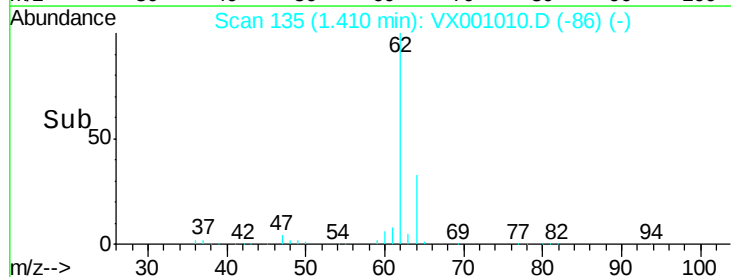
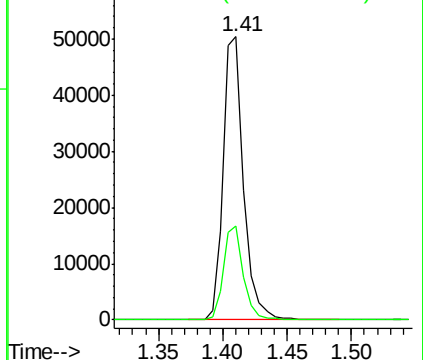
62 100

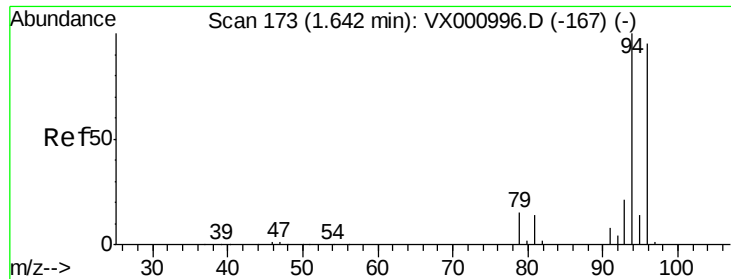
64 33.1 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 21.74 ug/l

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX001010.D

Acq: 20 Apr 2018 15:52

Instrument :

MSVOA_X

ClientSampleId :

VX0420MBSD01

Tgt Ion: 94 Resp: 38462

Ion Ratio Lower Upper

94 100

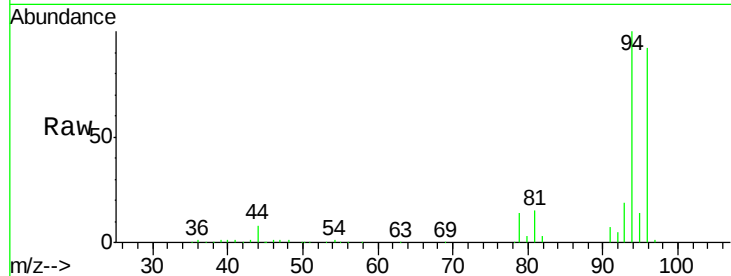
96 92.4 76.0 114.0

Manual Integrations

APPROVED

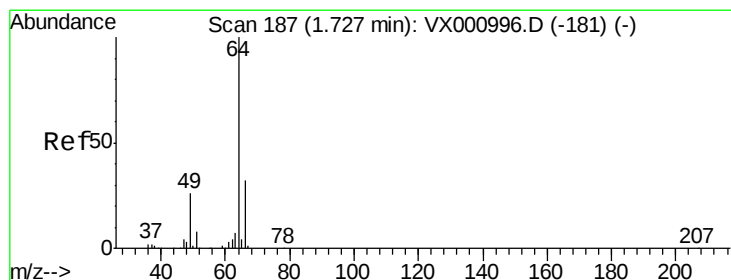
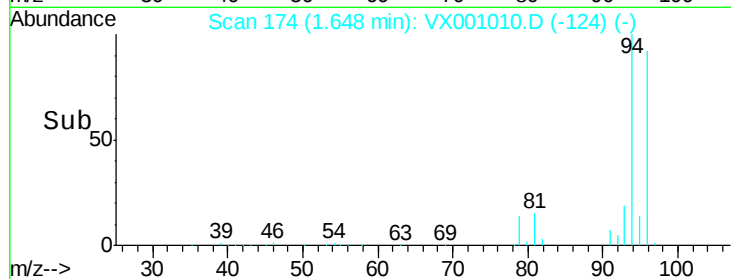
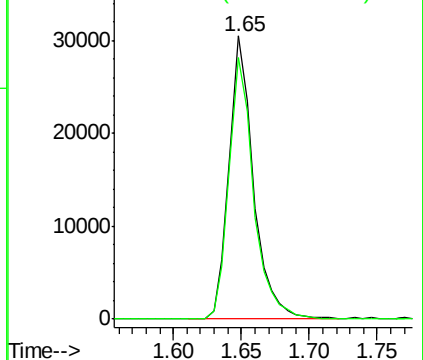
MMDadoda

4/23/2018 1:27:40 PM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 19.88 ug/l

RT: 1.73 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX001010.D

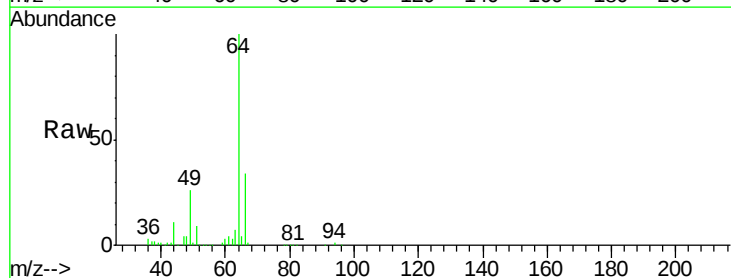
Acq: 20 Apr 2018 15:52

Tgt Ion: 64 Resp: 32924

Ion Ratio Lower Upper

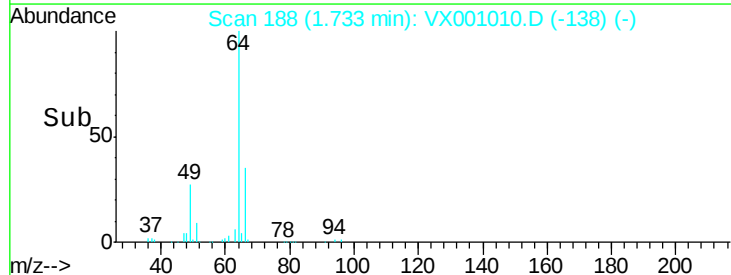
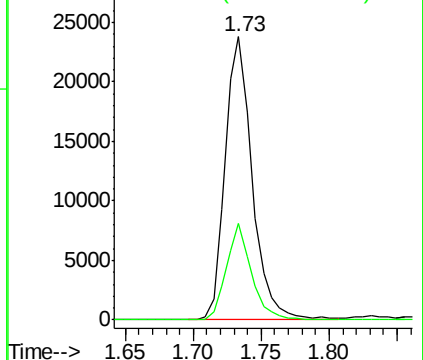
64 100

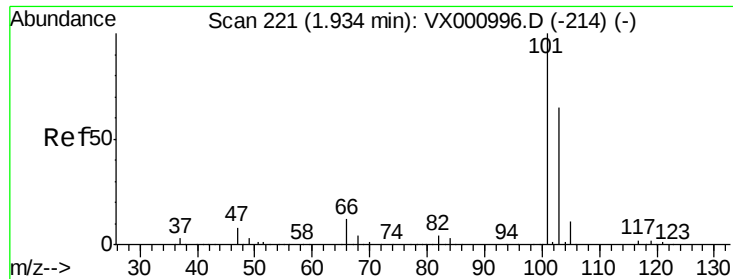
66 33.9 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

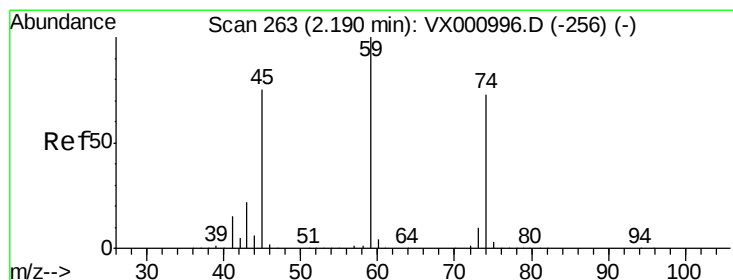
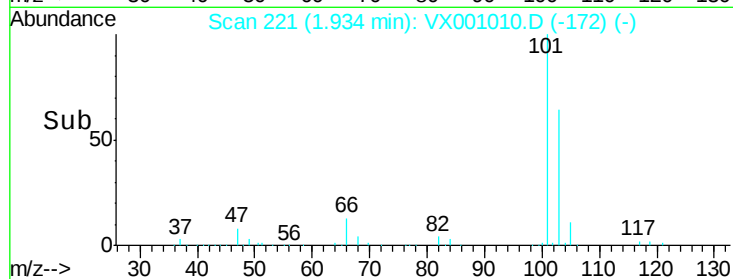
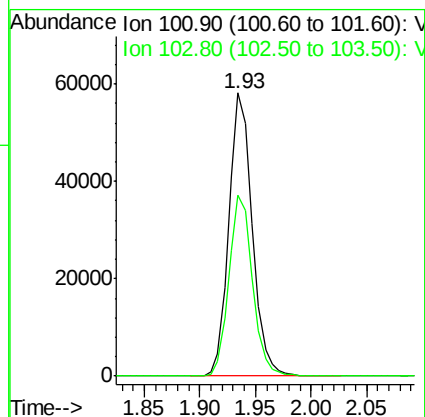
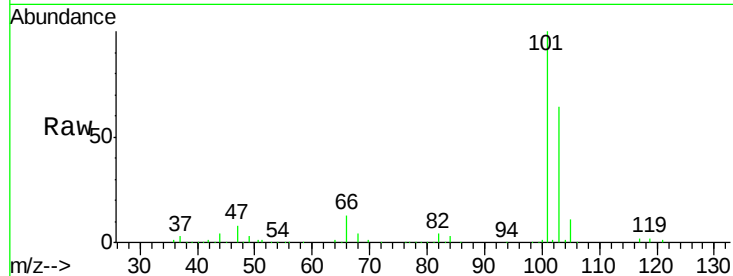
Trichlorofluoromethane
 Concen: 20.19 ug/l
 RT: 1.93 min Scan# 221
 Delta R.T. 0.00 min
 Lab File: VX001010.D
 Acq: 20 Apr 2018 15:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0420MBSD01

Tgt Ion: 101 Resp: 84540
 Ion Ratio Lower Upper
 101 100
 103 64.0 51.8 77.8

Manual Integrations
 APPROVED

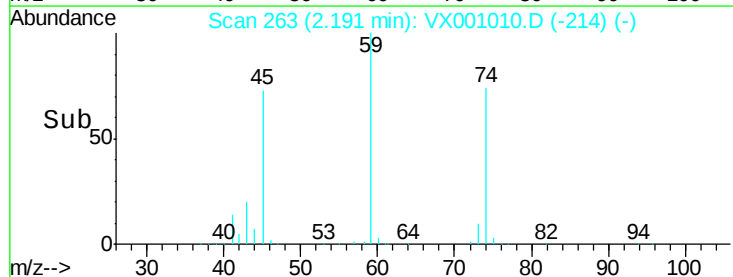
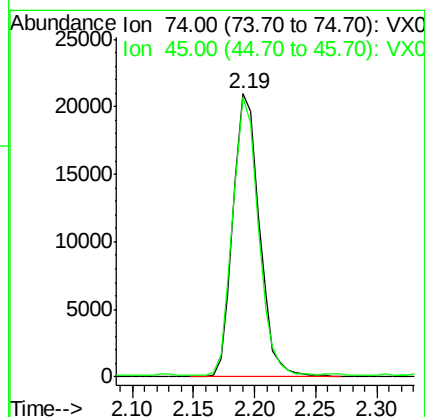
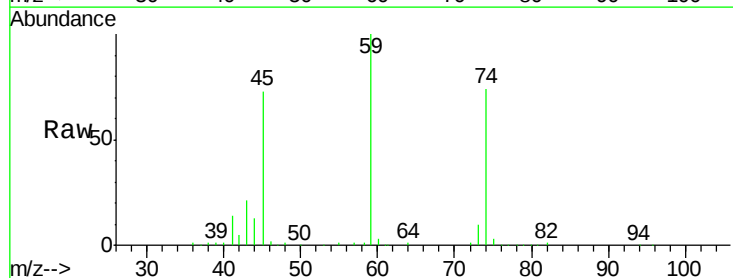
MMDadoda
 4/23/2018 1:27:40 PM

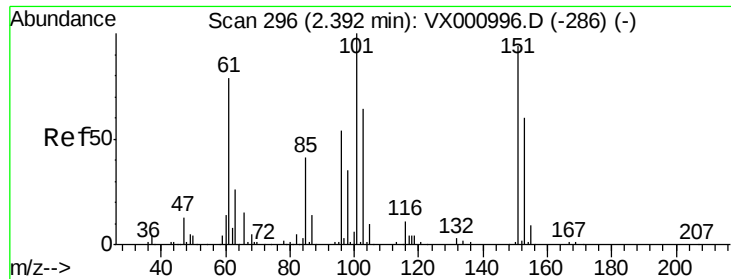


#8

Diethyl Ether
 Concen: 20.22 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.00 min
 Lab File: VX001010.D
 Acq: 20 Apr 2018 15:52

Tgt Ion: 74 Resp: 31267
 Ion Ratio Lower Upper
 74 100
 45 95.8 49.0 147.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.83 ug/l

RT: 2.39 min Scan# 296

Delta R.T. 0.00 min

Lab File: VX001010.D

Acq: 20 Apr 2018 15:52

Instrument :

MSVOA_X

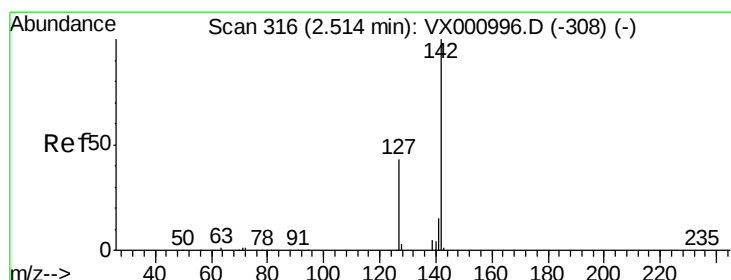
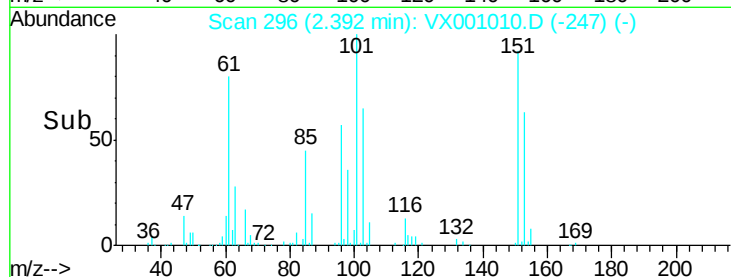
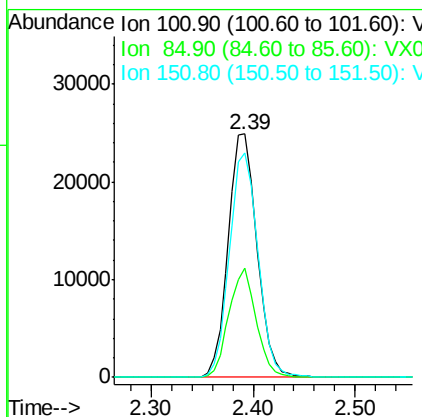
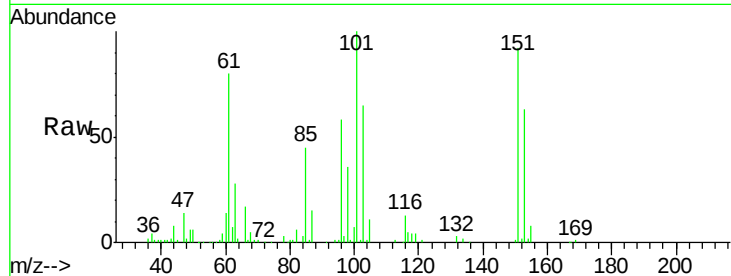
ClientSampleId :

VX0420MBSD01

Tgt Ion:	101	Resp:	48654
Ion Ratio	Lower	Upper	
101	100		
85	42.3	33.9	50.9
151	91.4	73.5	110.3

Manual Integrations
APPROVED

MMDadoda
4/23/2018 1:27:40 PM



#10

Methyl Iodide

Concen: 20.48 ug/l

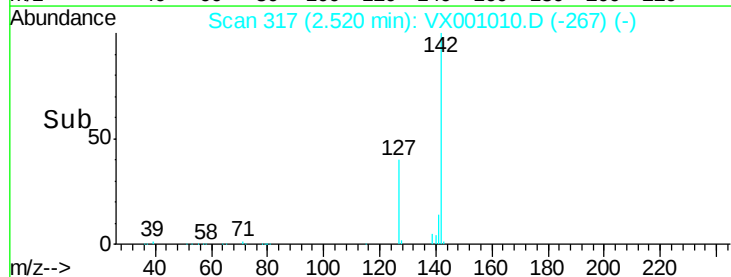
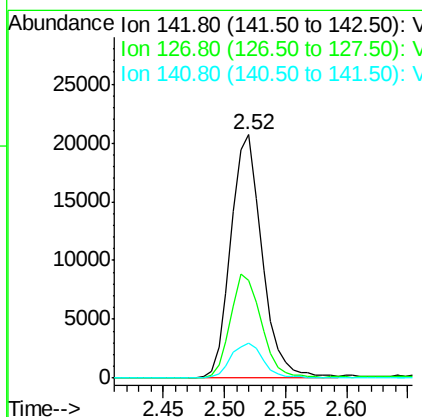
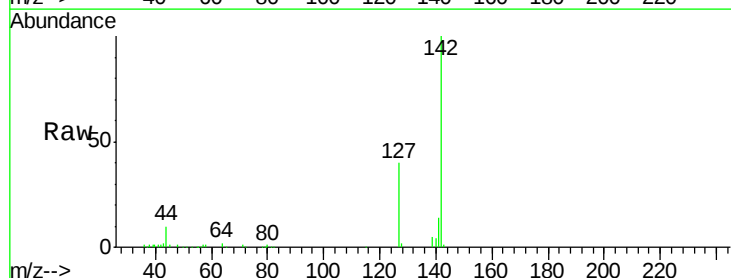
RT: 2.52 min Scan# 317

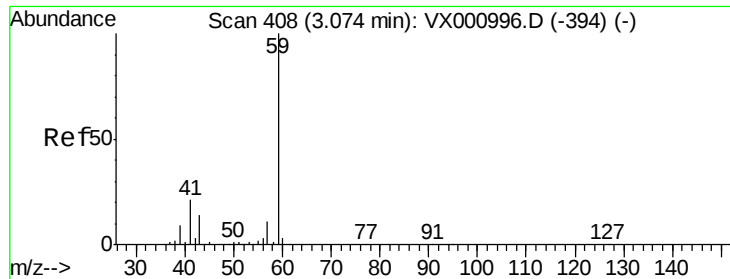
Delta R.T. 0.01 min

Lab File: VX001010.D

Acq: 20 Apr 2018 15:52

Tgt Ion:	142	Resp:	36772
Ion Ratio	Lower	Upper	
142	100		
127	42.3	34.0	51.0
141	14.9	11.4	17.2





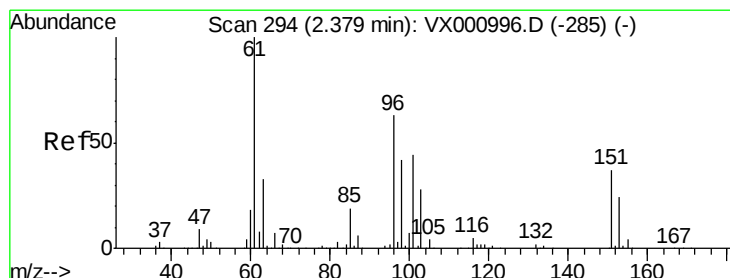
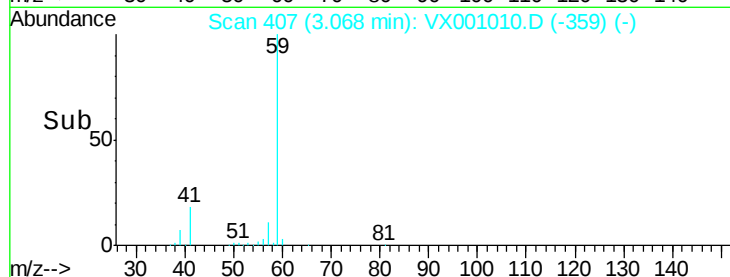
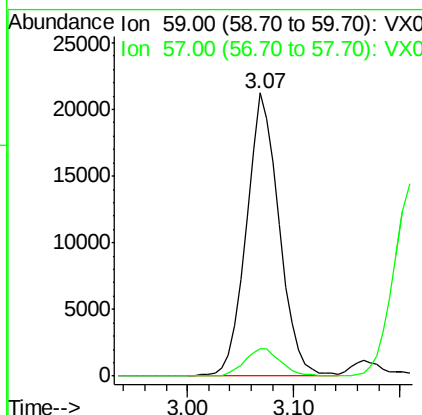
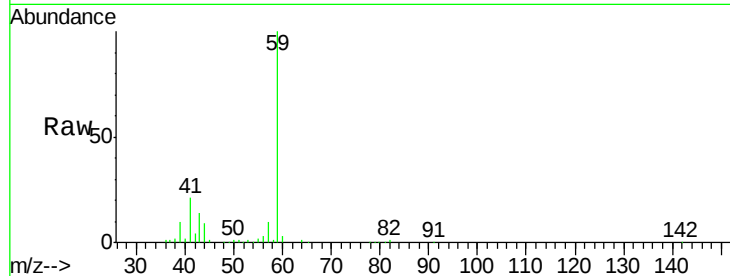
#11
Tert butyl alcohol
Concen: 103.10 ug/l
RT: 3.07 min Scan# 407
Delta R.T. -0.01 min
Lab File: VX001010.D
Acq: 20 Apr 2018 15:52

Instrument :
MSVOA_X
ClientSampleId :
VX0420MBSD01

Tgt Ion: 59 Resp: 45898
Ion Ratio Lower Upper
59 100
57 10.6 8.3 12.5

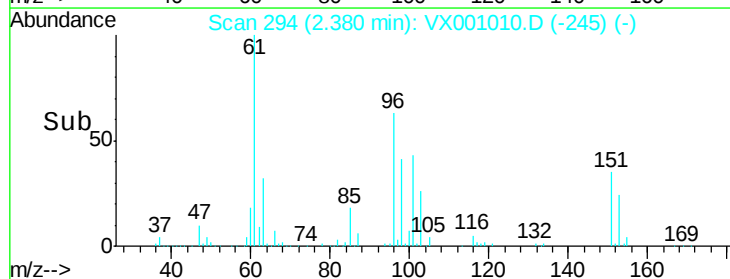
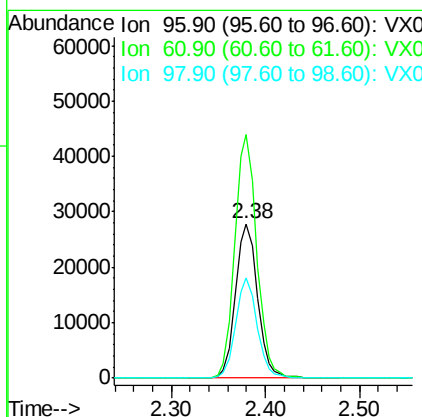
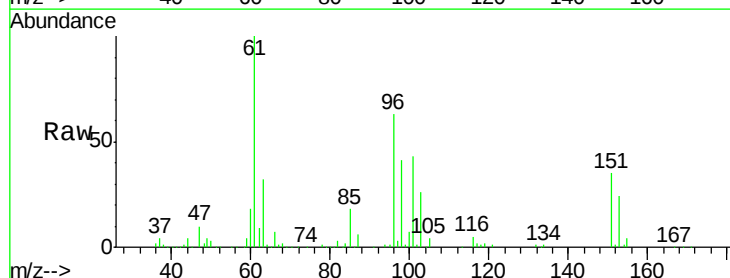
Manual Integrations
APPROVED

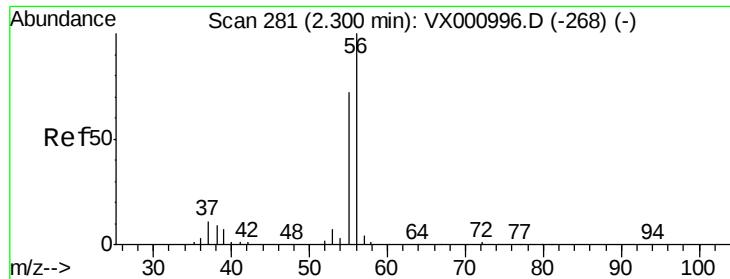
MMDadoda
4/23/2018 1:27:40 PM



#12
1,1-Dichloroethene
Concen: 20.03 ug/l
RT: 2.38 min Scan# 294
Delta R.T. 0.00 min
Lab File: VX001010.D
Acq: 20 Apr 2018 15:52

Tgt Ion: 96 Resp: 45452
Ion Ratio Lower Upper
96 100
61 157.6 126.4 189.6
98 65.1 52.6 78.8





#13

Acrolein

Concen: 123.90 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.00 min

Lab File: VX001010.D

Acq: 20 Apr 2018 15:52

Instrument :

MSVOA_X

ClientSampleId :

VX0420MBSD01

Tgt Ion: 56 Resp: 16384

Ion Ratio Lower Upper

56 100

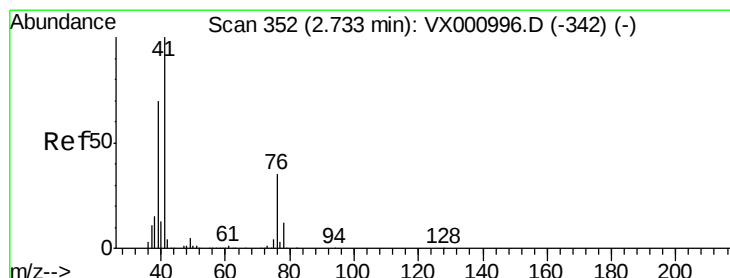
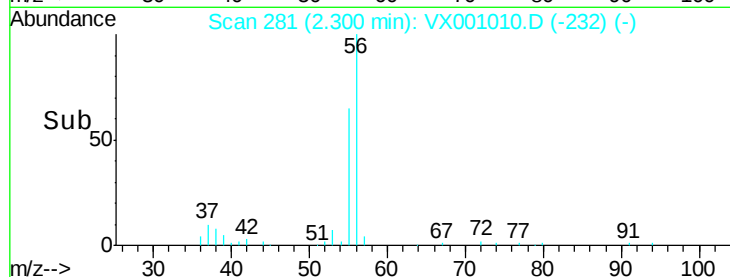
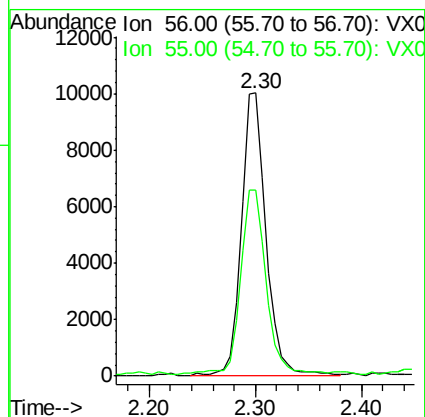
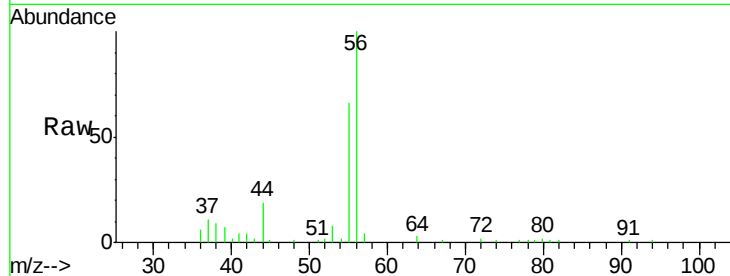
55 66.5 57.4 86.2

Manual Integrations

APPROVED

MMDadoda

4/23/2018 1:27:40 PM



#14

Allyl chloride

Concen: 19.69 ug/l

RT: 2.73 min Scan# 352

Delta R.T. 0.00 min

Lab File: VX001010.D

Acq: 20 Apr 2018 15:52

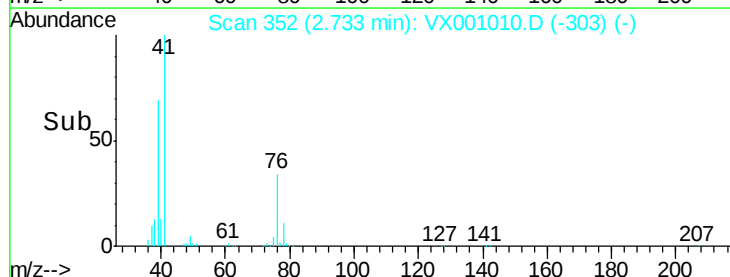
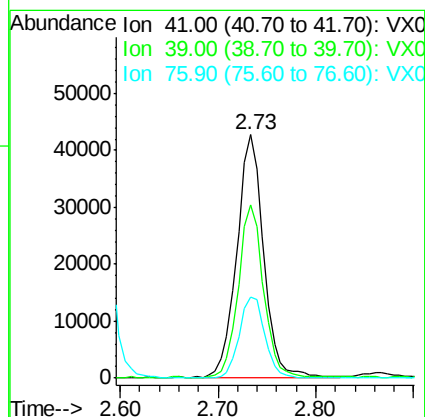
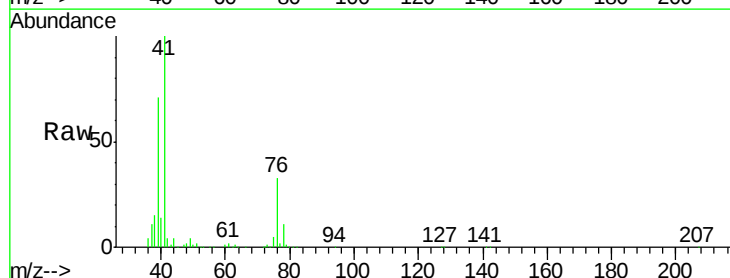
Tgt Ion: 41 Resp: 80859

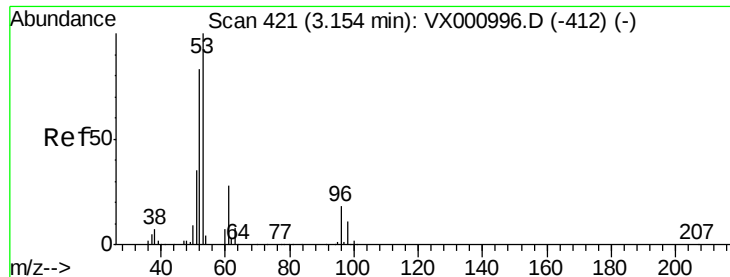
Ion Ratio Lower Upper

41 100

39 67.0 53.0 79.6

76 32.3 25.9 38.9





#15

Acrylonitrile

Concen: 97.76 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX001010.D

Acq: 20 Apr 2018 15:52

Instrument :

MSVOA_X

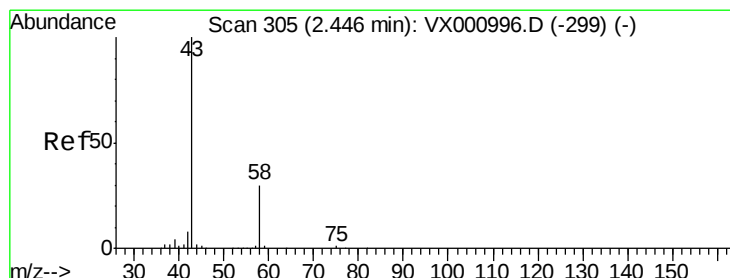
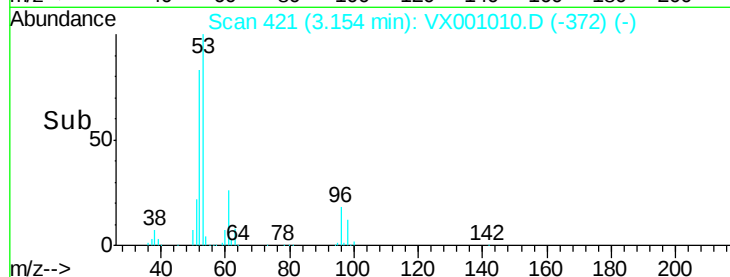
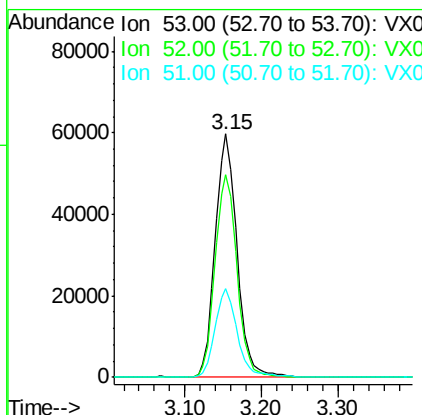
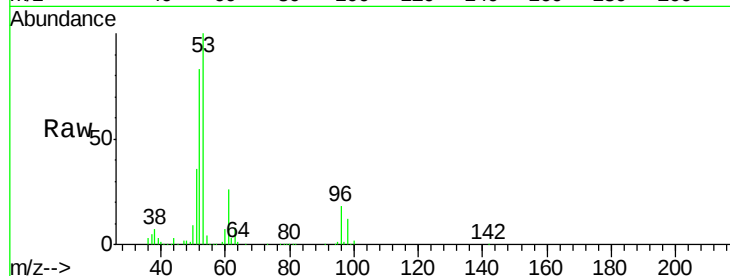
ClientSampleId :

VX0420MBSD01

Tgt Ion:	53	Resp:	117786
Ion	Ratio	Lower	Upper
53	100		
52	84.0	66.4	99.6
51	36.7	29.0	43.6

Manual Integrations
APPROVED

MMDadoda
4/23/2018 1:27:40 PM



#16

Acetone

Concen: 96.72 ug/l

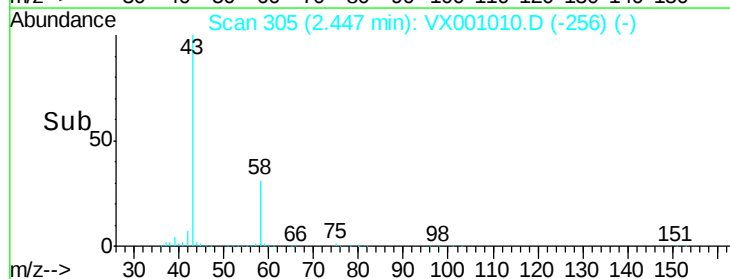
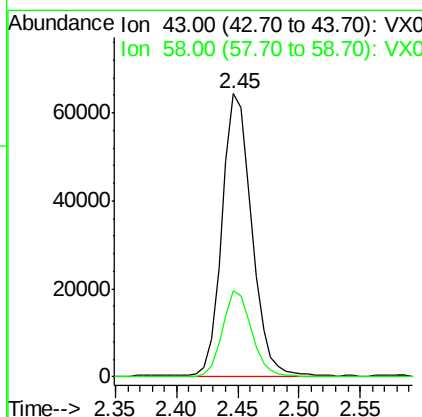
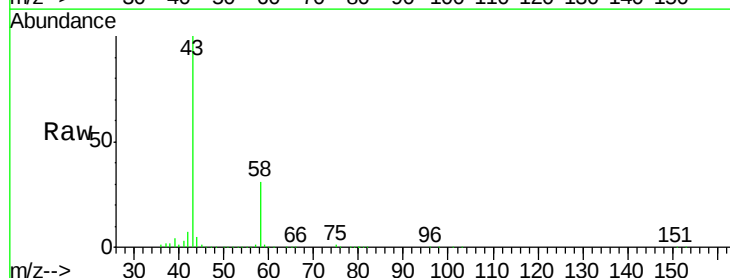
RT: 2.45 min Scan# 305

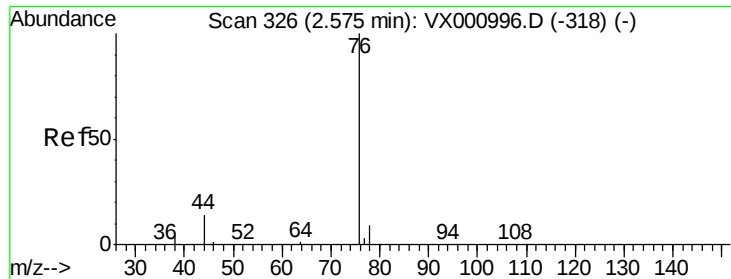
Delta R.T. 0.00 min

Lab File: VX001010.D

Acq: 20 Apr 2018 15:52

Tgt Ion:	43	Resp:	107516
Ion	Ratio	Lower	Upper
43	100		
58	30.6	23.7	35.5





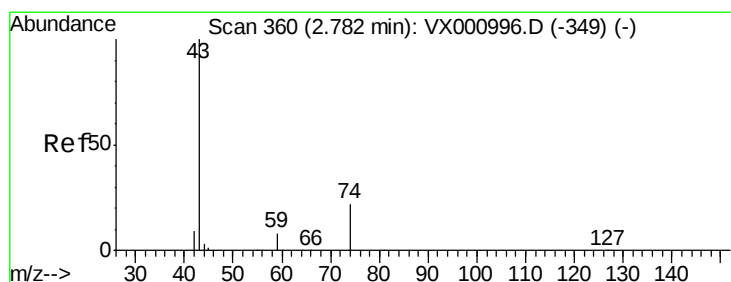
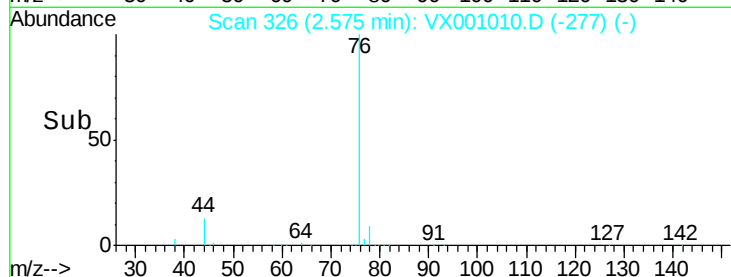
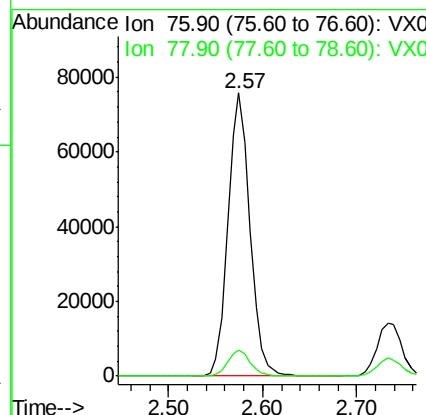
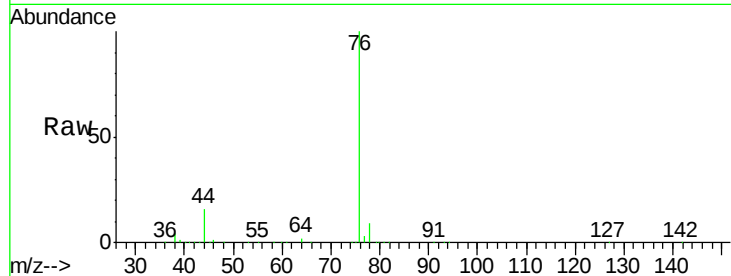
#17
Carbon Disulfide
Concen: 18.85 ug/l
RT: 2.57 min Scan# 326
Delta R.T. 0.00 min
Lab File: VX001010.D
Acq: 20 Apr 2018 15:52

Instrument :
MSVOA_X
ClientSampleId :
VX0420MBSD01

Tgt Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.3	10.9

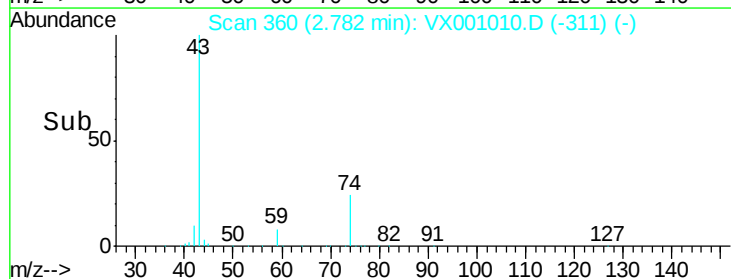
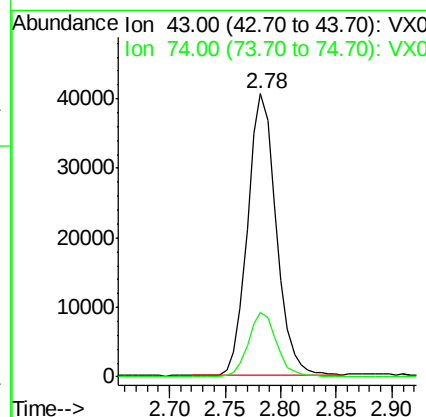
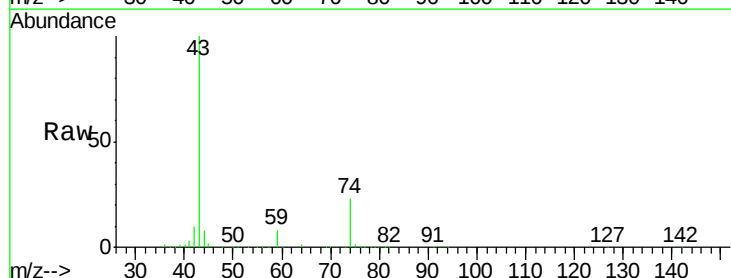
Manual Integrations
APPROVED

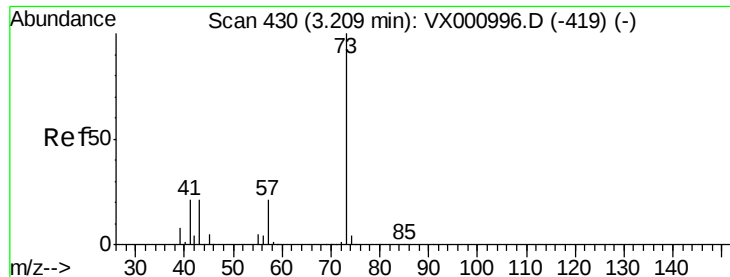
MMDadoda
4/23/2018 1:27:40 PM



#18
Methyl Acetate
Concen: 21.62 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX001010.D
Acq: 20 Apr 2018 15:52

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.8	18.3	27.5





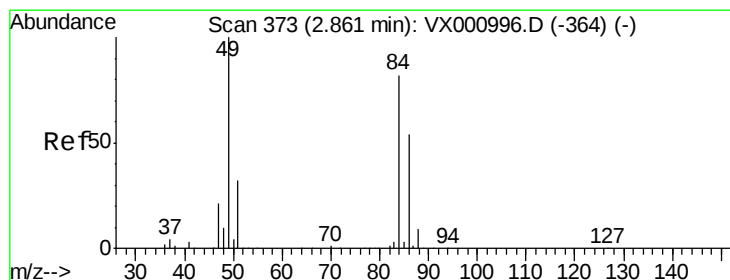
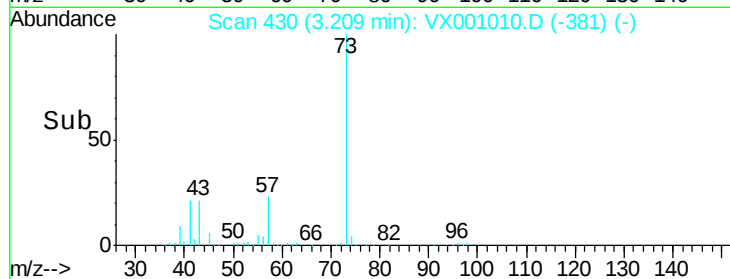
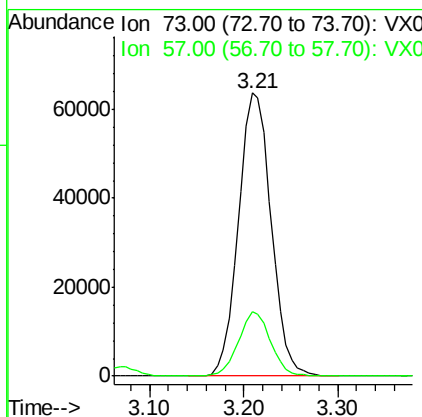
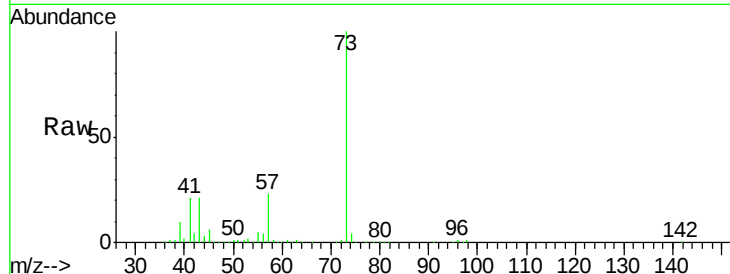
#19
Methyl tert-butyl Ether
Concen: 20.16 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX001010.D
Acq: 20 Apr 2018 15:52

Instrument :
MSVOA_X
ClientSampleId :
VX0420MBSD01

Tgt Ion: 73 Resp: 153771
Ion Ratio Lower Upper
73 100
57 22.6 17.1 25.7

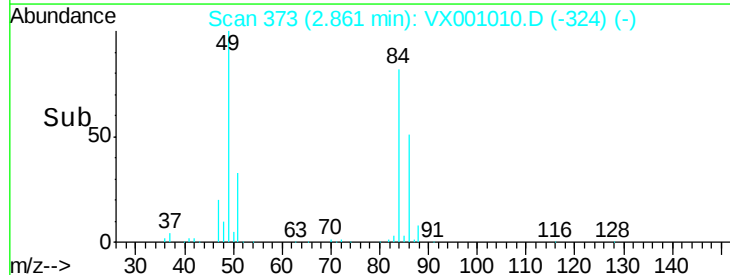
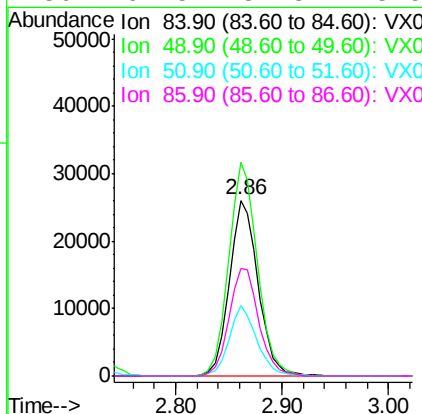
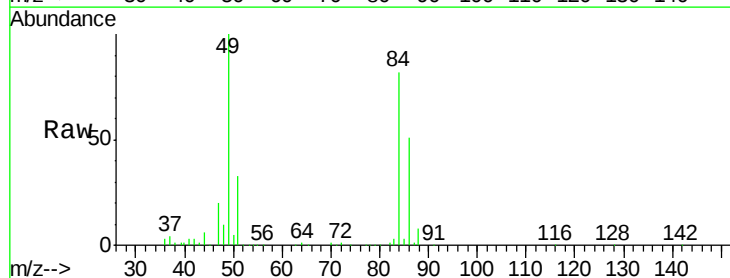
Manual Integrations
APPROVED

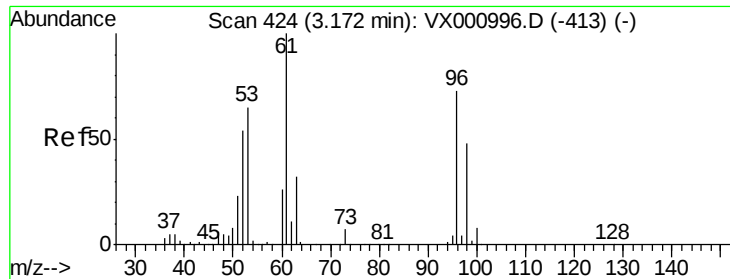
MMDadoda
4/23/2018 1:27:40 PM



#20
Methylene Chloride
Concen: 20.07 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX001010.D
Acq: 20 Apr 2018 15:52

Tgt Ion: 84 Resp: 49174
Ion Ratio Lower Upper
84 100
49 121.5 97.1 145.7
51 39.9 30.8 46.2
86 61.5 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 19.41 ug/l

RT: 3.17 min Scan# 424

Delta R.T. 0.00 min

Lab File: VX001010.D

Acq: 20 Apr 2018 15:52

Instrument :

MSVOA_X

ClientSampleId :

VX0420MBSD01

Tgt Ion: 96 Resp: 49023

Ion Ratio Lower Upper

96 100

61 136.9 109.4 164.2

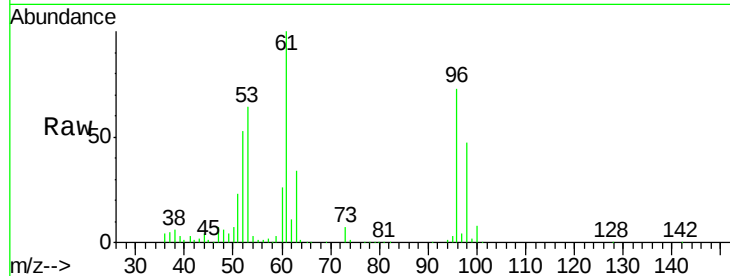
98 65.0 52.6 78.8

Manual Integrations

APPROVED

MMDadoda

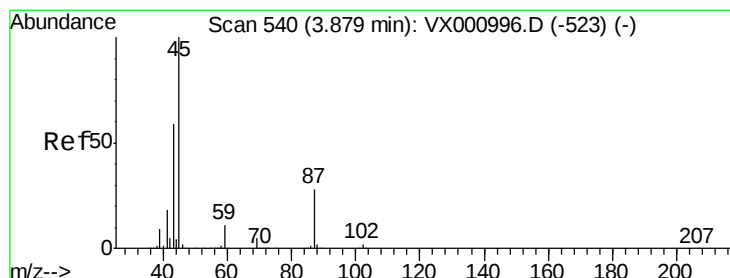
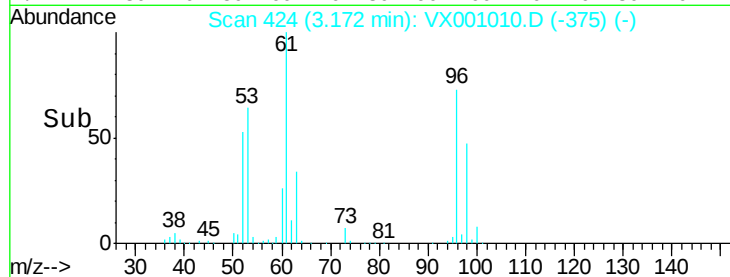
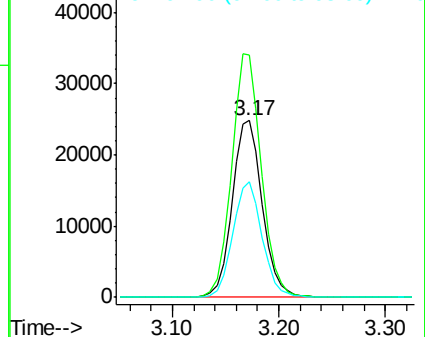
4/23/2018 1:27:40 PM



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 20.07 ug/l

RT: 3.88 min Scan# 540

Delta R.T. 0.00 min

Lab File: VX001010.D

Acq: 20 Apr 2018 15:52

Tgt Ion: 45 Resp: 159550

Ion Ratio Lower Upper

45 100

43 60.3 47.0 70.4

87 27.1 22.5 33.7

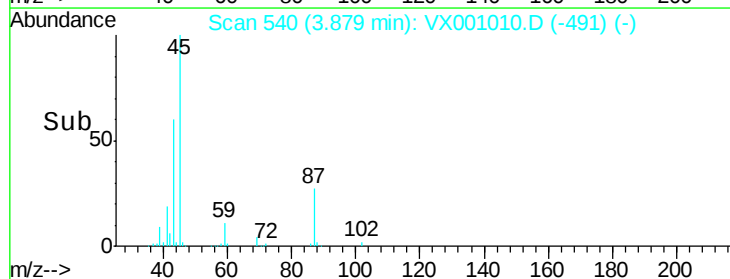
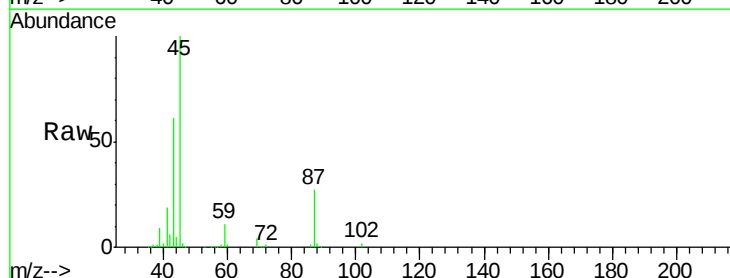
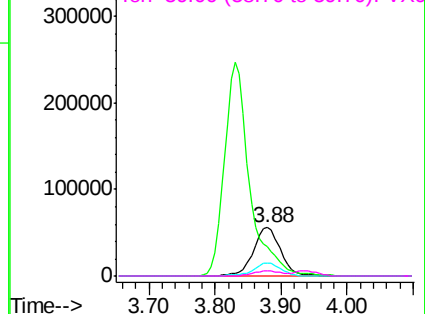
59 10.7 8.8 13.2

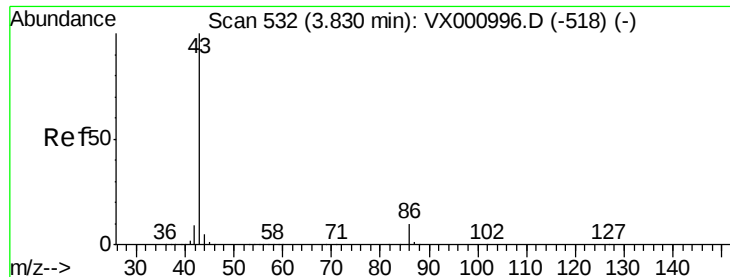
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 99.23 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.00 min

Lab File: VX001010.D

Acq: 20 Apr 2018 15:52

Instrument :

MSVOA_X

ClientSampleId :

VX0420MBS01

Tgt Ion: 43 Resp: 652982

Ion Ratio Lower Upper

43 100

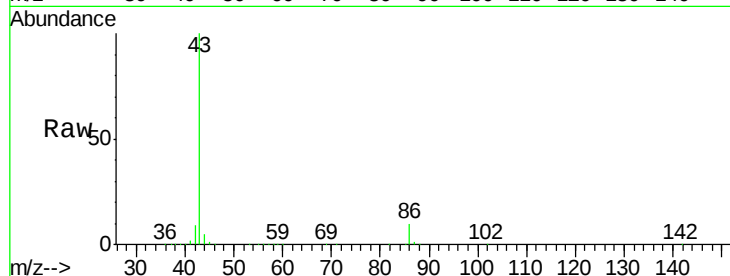
86 10.0 8.1 12.1

Manual Integrations

APPROVED

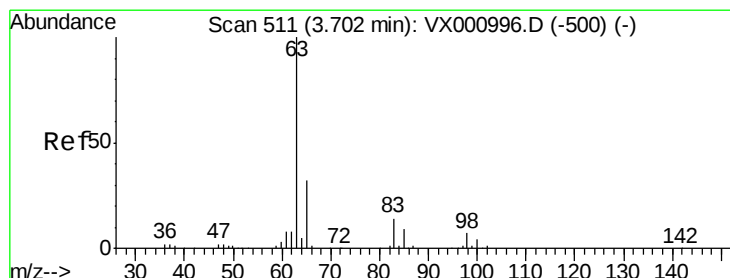
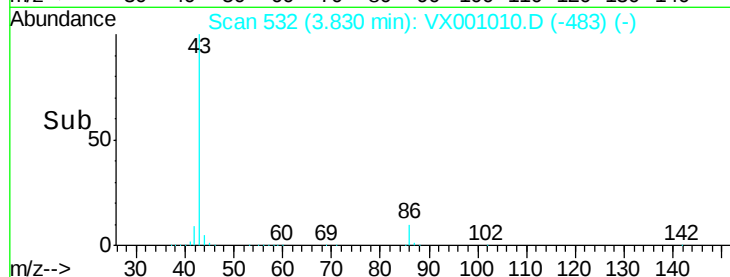
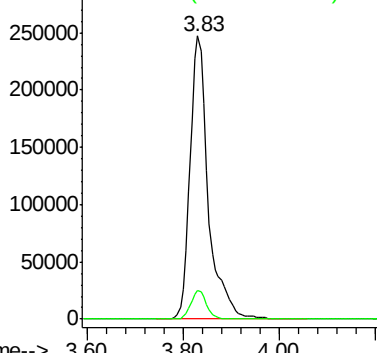
MMDadoda

4/23/2018 1:27:40 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 19.72 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.00 min

Lab File: VX001010.D

Acq: 20 Apr 2018 15:52

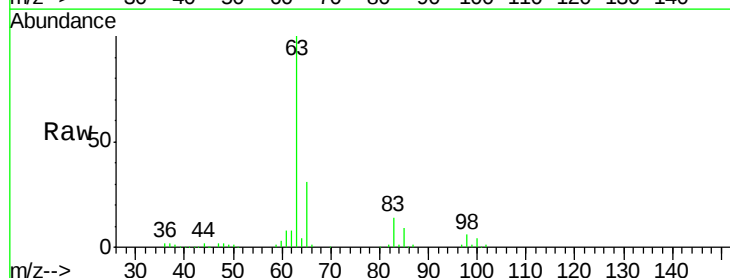
Tgt Ion: 63 Resp: 87917

Ion Ratio Lower Upper

63 100

98 6.3 3.4 10.1

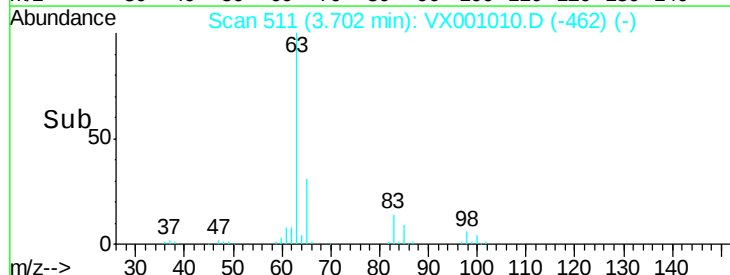
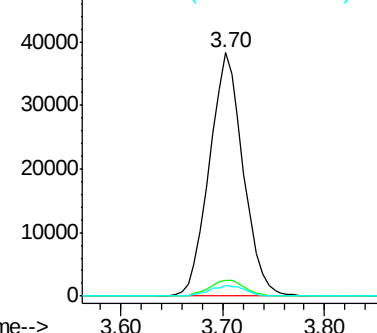
100 4.4 2.1 6.3

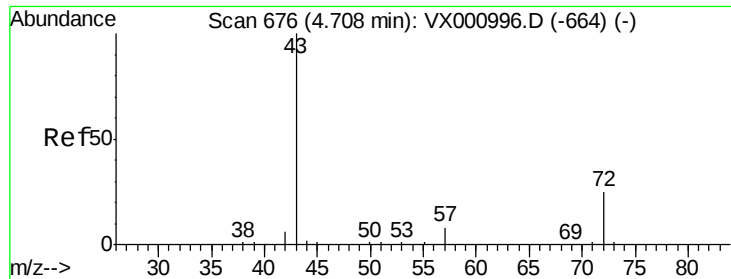


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 98.70 ug/l

RT: 4.71 min Scan# 676

Delta R.T. 0.00 min

Lab File: VX001010.D

Acq: 20 Apr 2018 15:52

Instrument :

MSVOA_X

ClientSampleId :

VX0420MBSD01

Tgt Ion: 43 Resp: 171259

Ion Ratio Lower Upper

43 100

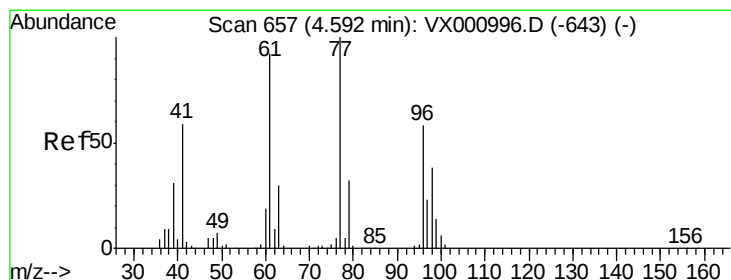
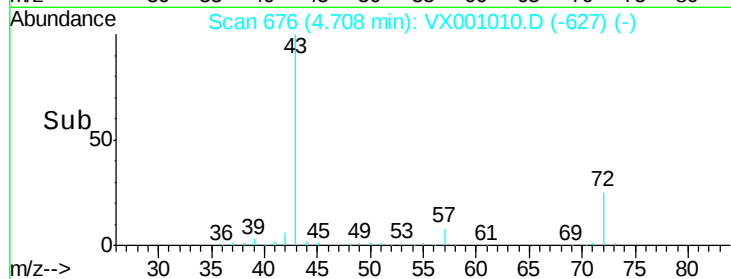
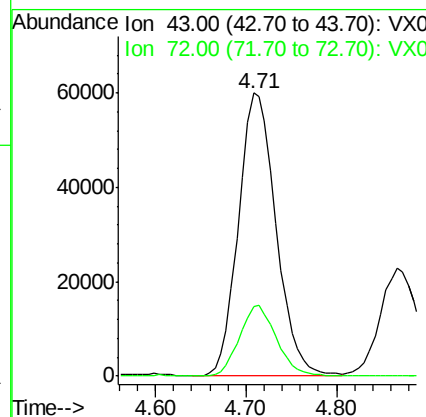
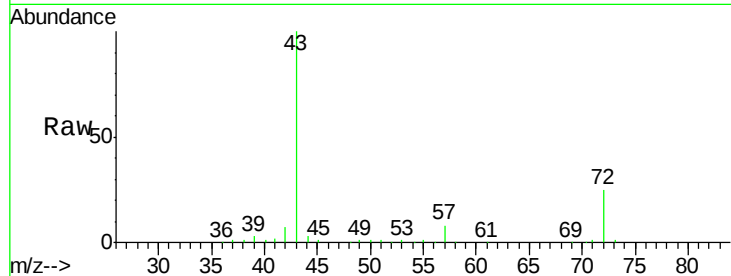
72 24.6 19.9 29.9

Manual Integrations

APPROVED

MMDadoda

4/23/2018 1:27:40 PM



#26

2,2-Dichloropropane

Concen: 19.44 ug/l

RT: 4.59 min Scan# 657

Delta R.T. 0.00 min

Lab File: VX001010.D

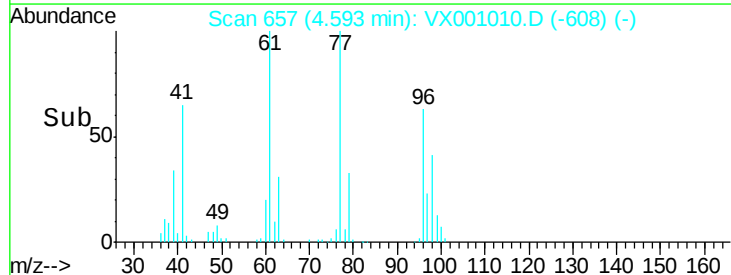
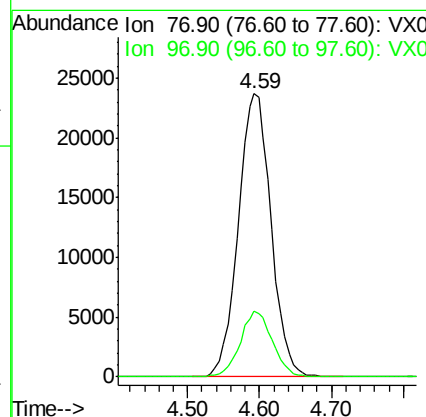
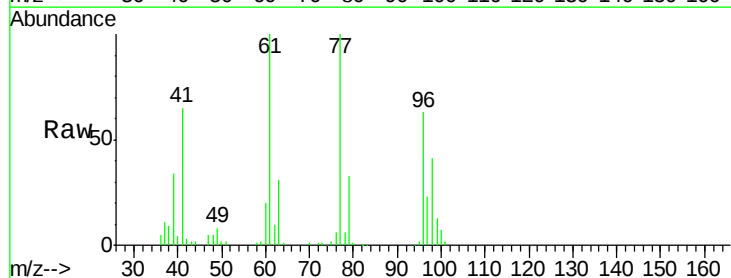
Acq: 20 Apr 2018 15:52

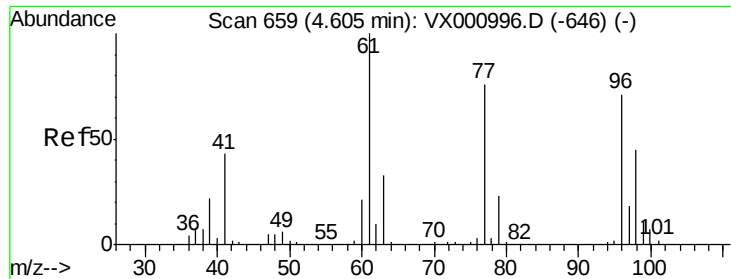
Tgt Ion: 77 Resp: 74551

Ion Ratio Lower Upper

77 100

97 22.8 11.5 34.4





#27

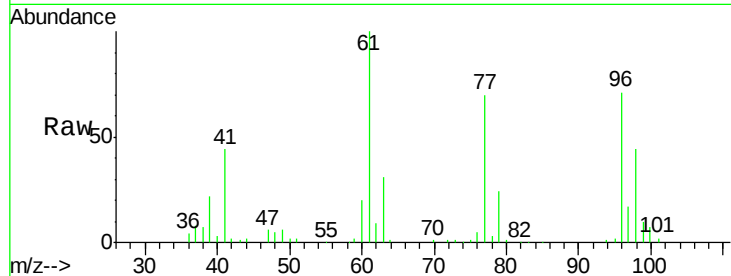
cis-1,2-Dichloroethene
Concen: 19.88 ug/l
RT: 4.60 min Scan# 659
Delta R.T. 0.00 min
Lab File: VX001010.D
Acq: 20 Apr 2018 15:52

Instrument :
MSVOA_X
ClientSampleId :
VX0420MBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	55926		
61	146.6	0.0	297.0	
98	64.5	0.0	130.0	

Manual Integrations
APPROVED

MMDadoda
4/23/2018 1:27:40 PM

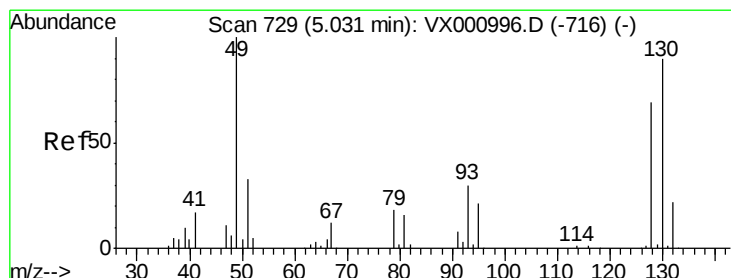
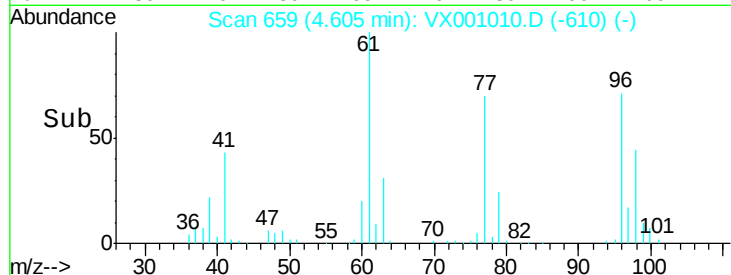
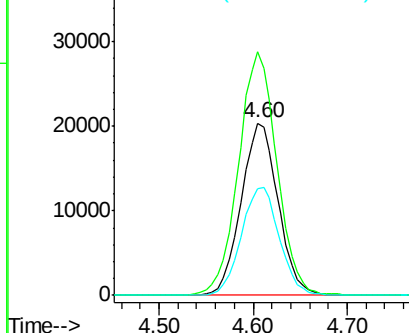


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

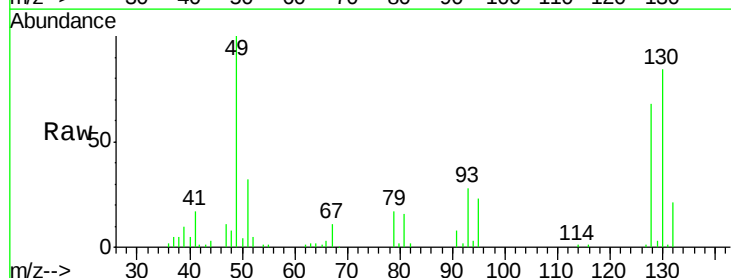
Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane
Concen: 19.49 ug/l
RT: 5.03 min Scan# 729
Delta R.T. 0.00 min
Lab File: VX001010.D
Acq: 20 Apr 2018 15:52

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	33423		
129	2.4	0.0	4.8	
130	86.4	70.6	105.8	

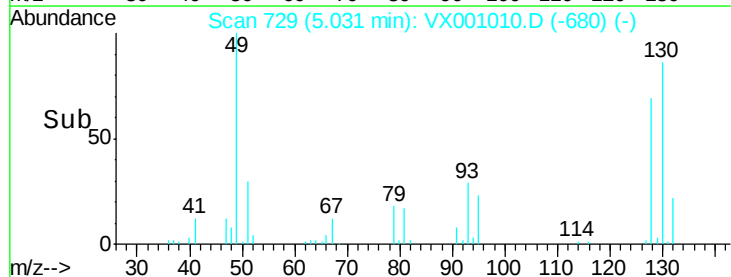
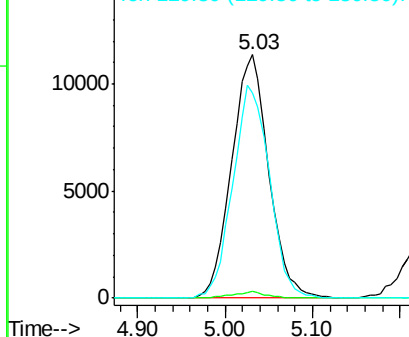


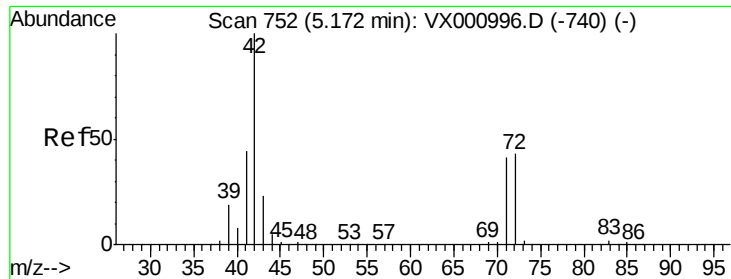
Abundance

Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





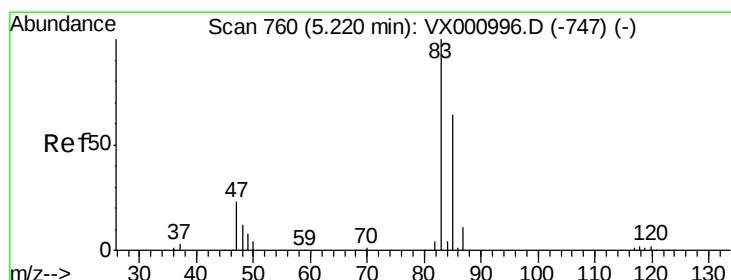
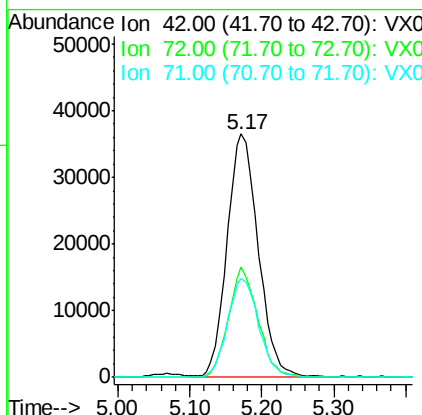
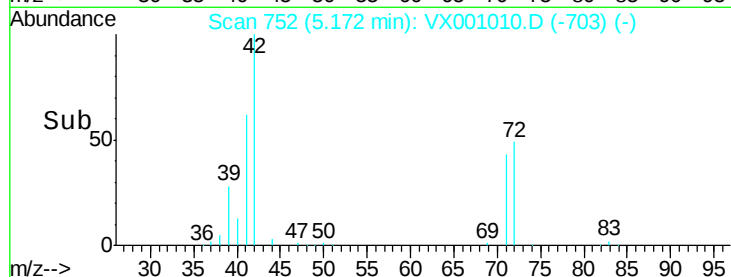
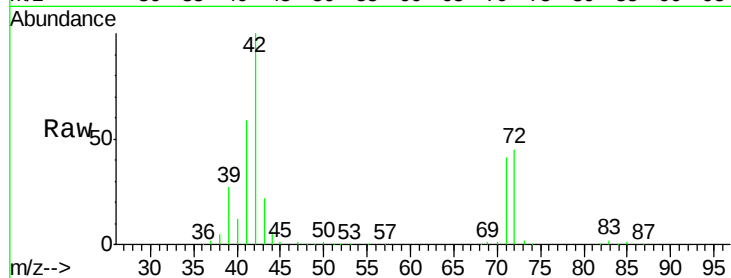
#29
Tetrahydrofuran
Concen: 99.60 ug/l
RT: 5.17 min Scan# 752
Delta R.T. 0.00 min
Lab File: VX001010.D
Acq: 20 Apr 2018 15:52

Instrument :
MSVOA_X
ClientSampleId :
VX0420MBSD01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	43.2	34.6	52.0
71	40.9	32.6	49.0

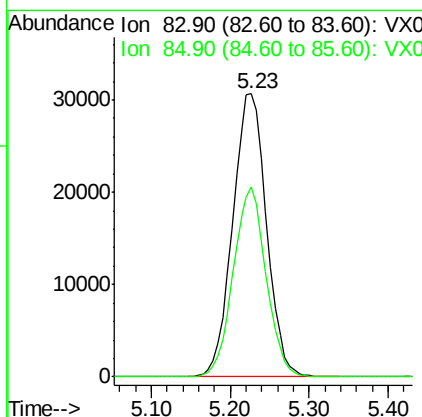
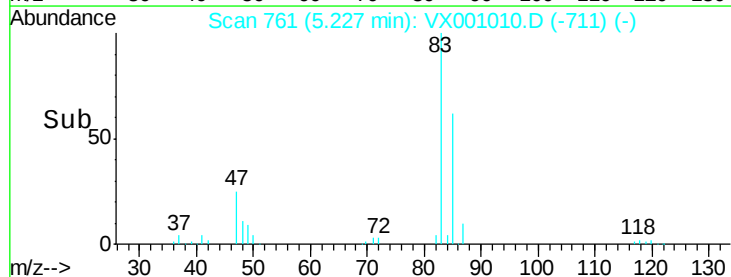
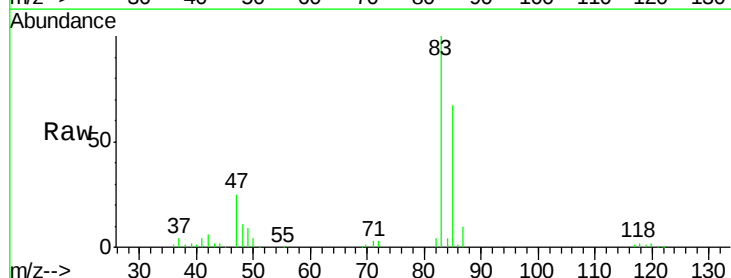
Manual Integrations
APPROVED

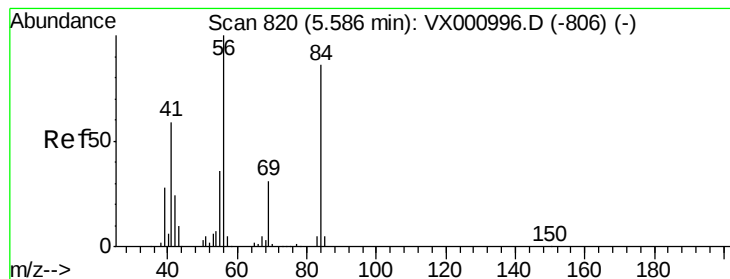
MMDadoda
4/23/2018 1:27:40 PM



#30
Chloroform
Concen: 19.76 ug/l
RT: 5.23 min Scan# 761
Delta R.T. 0.01 min
Lab File: VX001010.D
Acq: 20 Apr 2018 15:52

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.1	51.3	76.9





#31

Cyclohexane

Concen: 19.34 ug/l

RT: 5.59 min Scan# 820

Delta R.T. 0.00 min

Lab File: VX001010.D

Acq: 20 Apr 2018 15:52

Instrument :

MSVOA_X

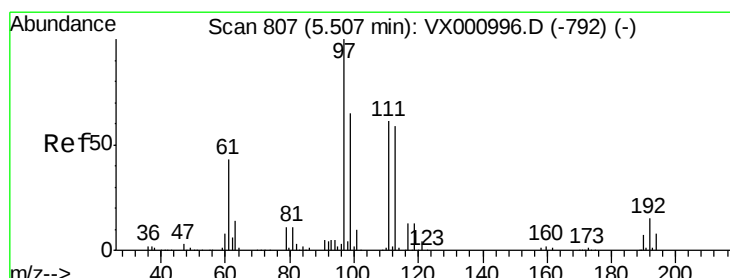
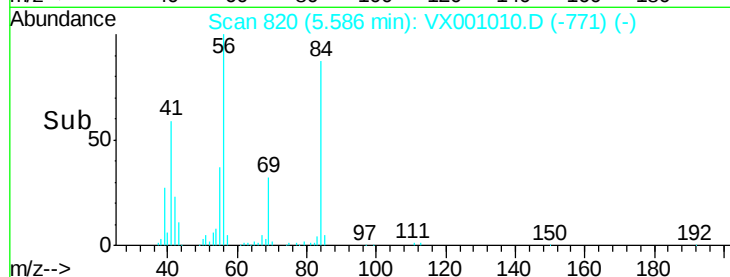
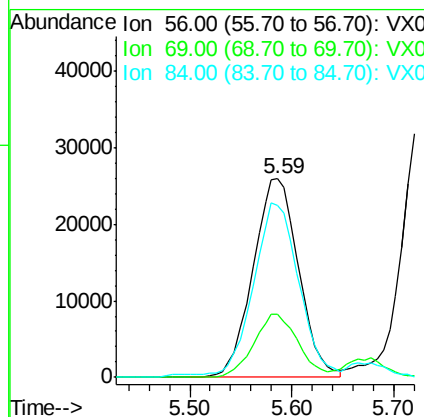
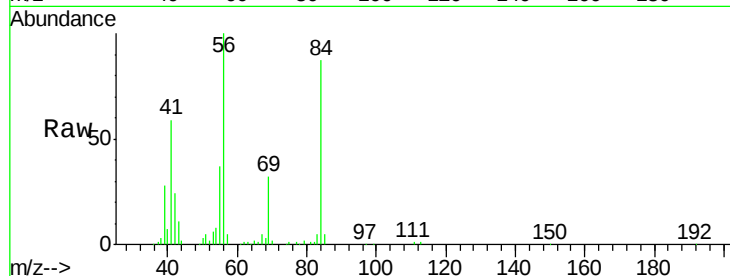
ClientSampleId :

VX0420MBSD01

Tgt Ion:	56	Resp:	80480
Ion	Ratio	Lower	Upper
56	100		
69	31.6	24.6	36.8
84	84.8	69.0	103.6

Manual Integrations
APPROVED

MMDadoda
4/23/2018 1:27:40 PM



#32

1,1,1-Trichloroethane

Concen: 19.83 ug/l

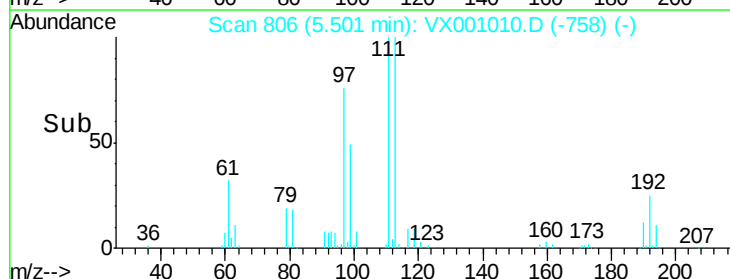
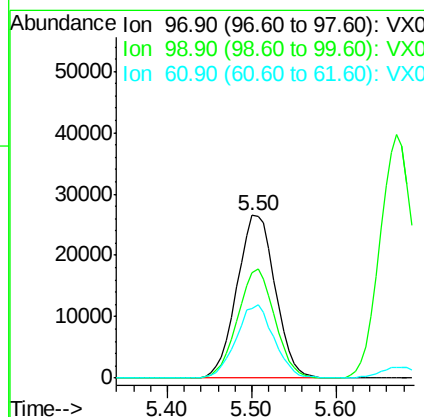
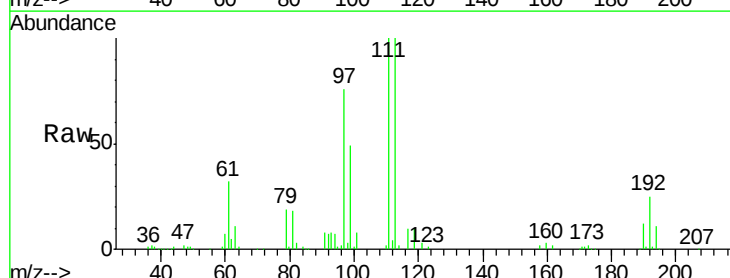
RT: 5.50 min Scan# 806

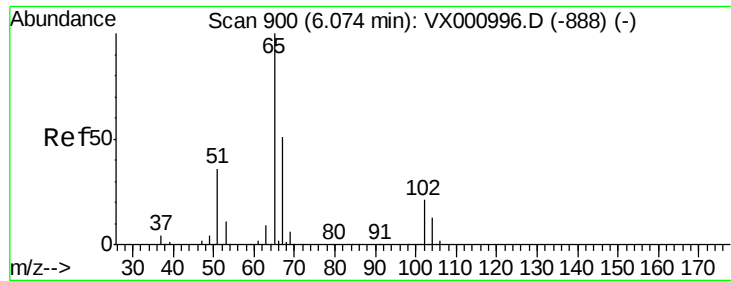
Delta R.T. -0.01 min

Lab File: VX001010.D

Acq: 20 Apr 2018 15:52

Tgt Ion:	97	Resp:	82111
Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.1	76.7
61	44.2	34.4	51.6





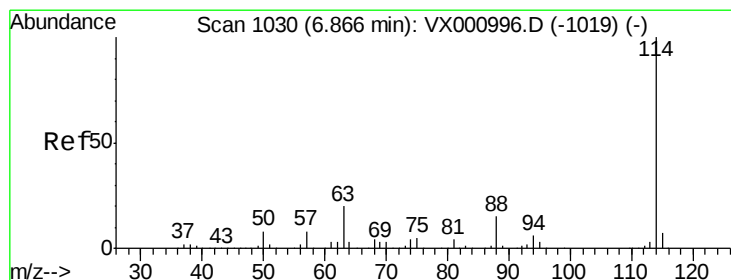
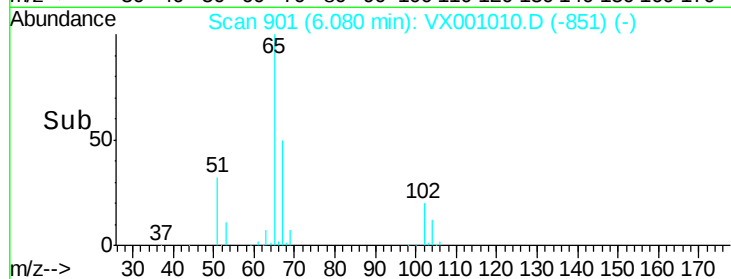
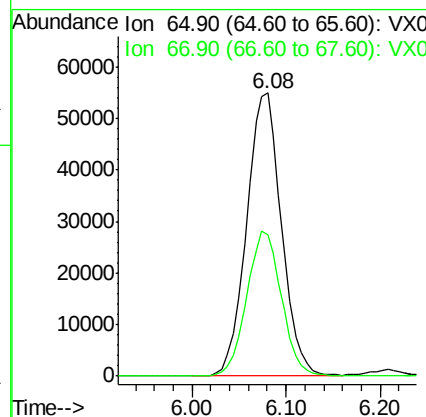
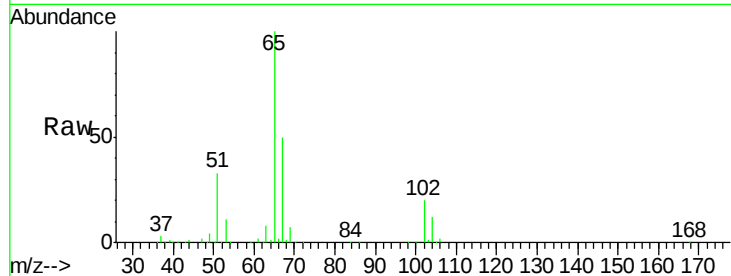
#33
 1,2-Dichloroethane-d4
 Concen: 48.16 ug/l
 RT: 6.08 min Scan# 901
 Delta R.T. 0.01 min
 Lab File: VX001010.D
 Acq: 20 Apr 2018 15:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0420MBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	142176		
67	51.1	0.0	102.6	

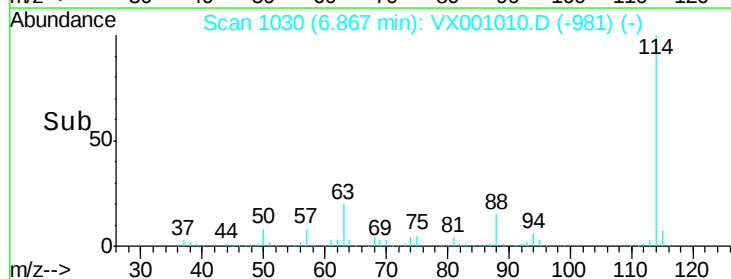
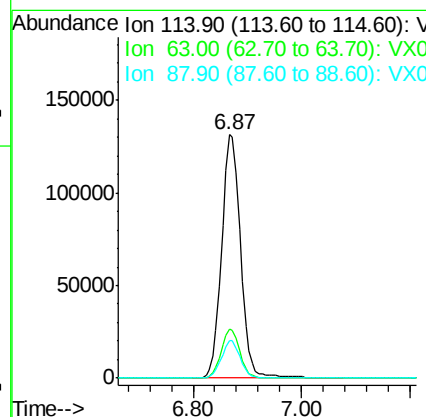
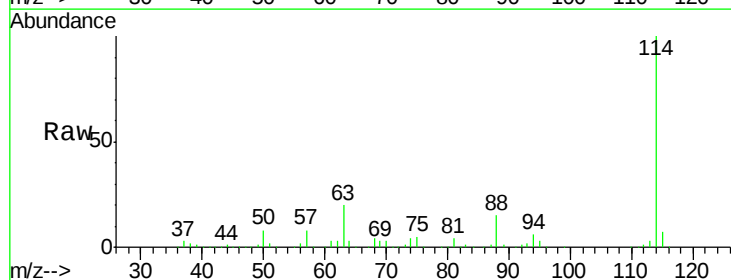
Manual Integrations
 APPROVED

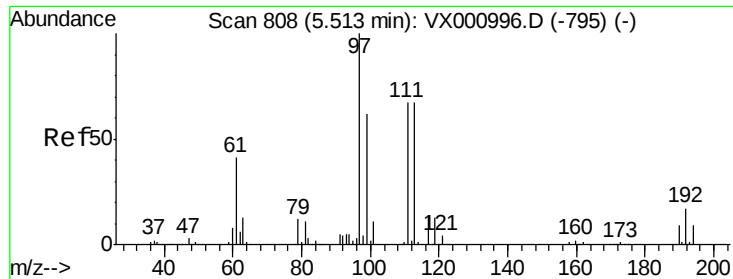
MMDadoda
 4/23/2018 1:27:40 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX001010.D
 Acq: 20 Apr 2018 15:52

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	317997		
63	20.2	0.0	39.4	
88	15.4	0.0	29.8	





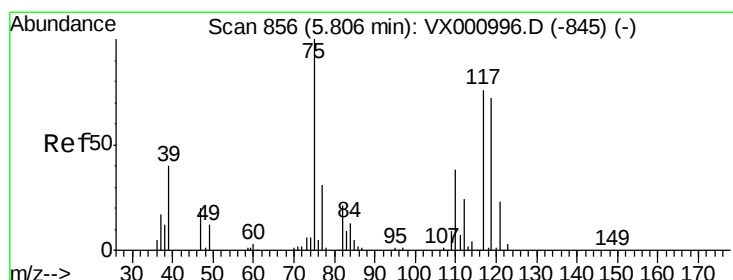
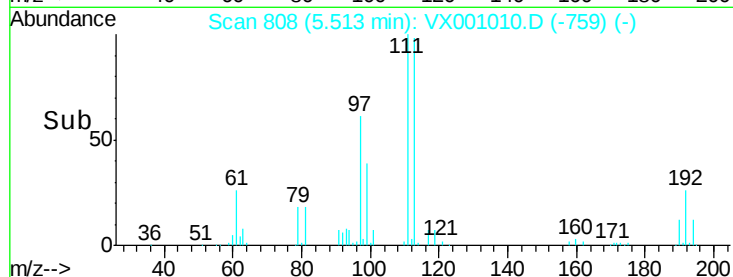
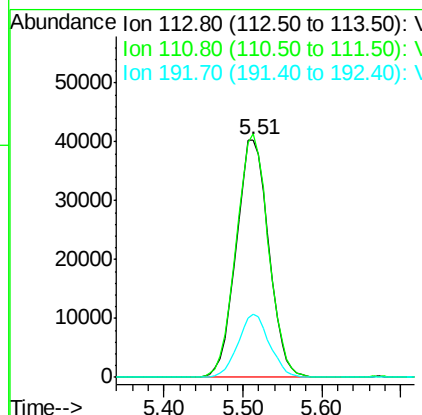
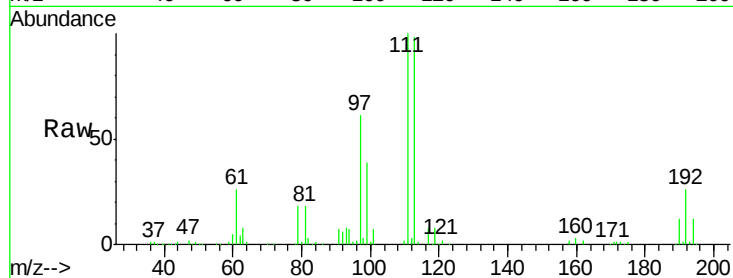
#35
Dibromofluoromethane
Concen: 47.92 ug/l
RT: 5.51 min Scan# 808
Delta R.T. 0.00 min
Lab File: VX001010.D
Acq: 20 Apr 2018 15:52

Instrument :
MSVOA_X
ClientSampleId :
VX0420MBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	116208		
111	101.4	81.4	122.2	
192	25.6	20.4	30.6	

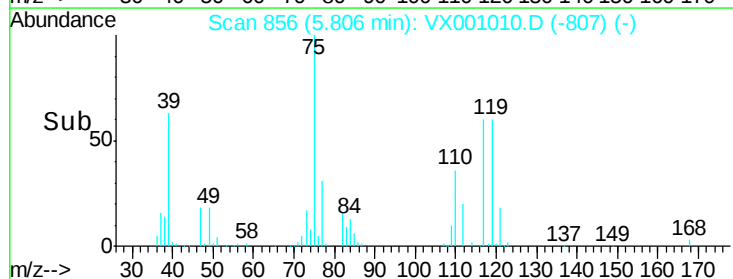
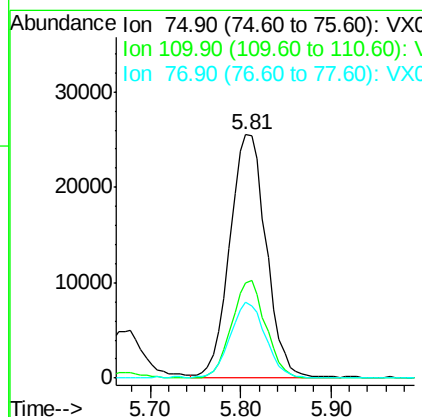
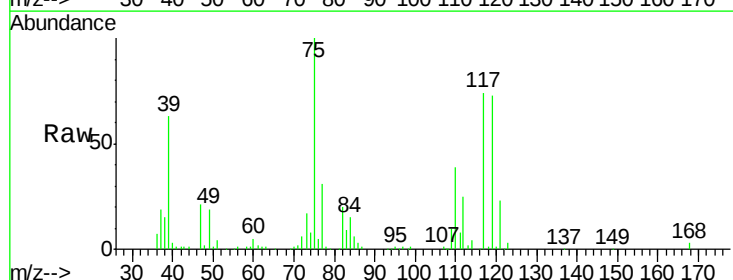
Manual Integrations
APPROVED

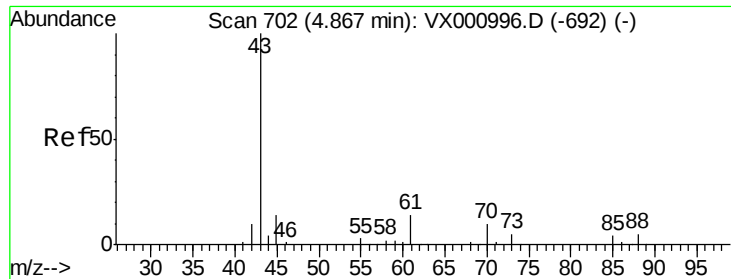
MMDadoda
4/23/2018 1:27:40 PM



#36
1,1-Dichloropropene
Concen: 18.86 ug/l
RT: 5.81 min Scan# 856
Delta R.T. 0.00 min
Lab File: VX001010.D
Acq: 20 Apr 2018 15:52

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	70481		
110	38.1	18.7	56.1	
77	30.3	25.0	37.4	





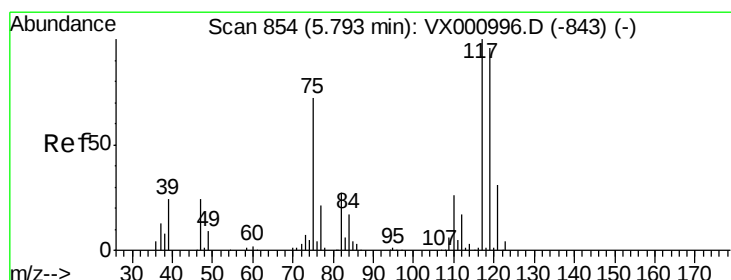
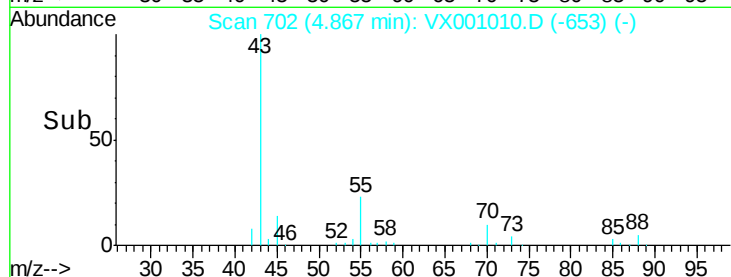
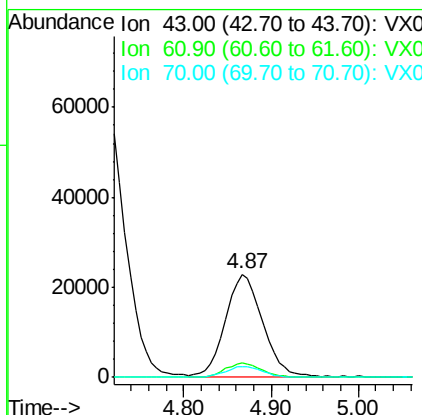
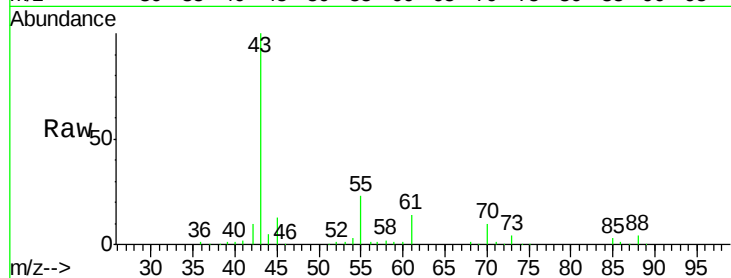
#37
Ethyl Acetate
Concen: 19.51 ug/l
RT: 4.87 min Scan# 702
Delta R.T. 0.00 min
Lab File: VX001010.D
Acq: 20 Apr 2018 15:52

Instrument :
MSVOA_X
ClientSampleId :
VX0420MBSD01

Tgt Ion: 43 Resp: 66882
Ion Ratio Lower Upper
43 100
61 13.8 10.7 16.1
70 10.6 8.3 12.5

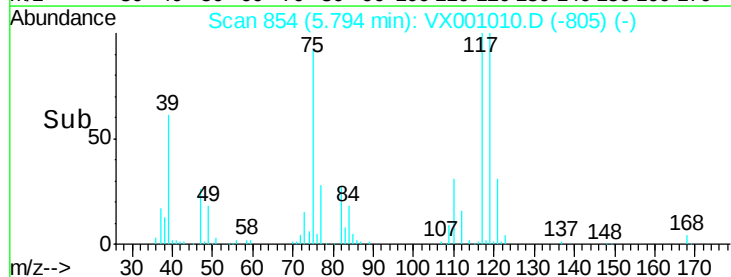
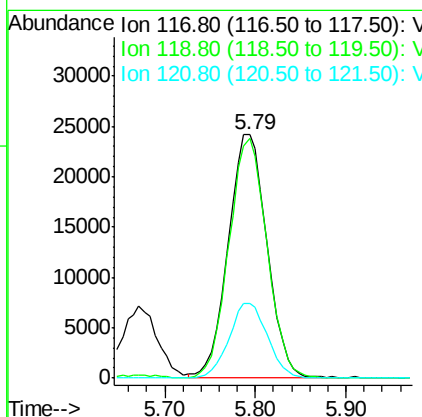
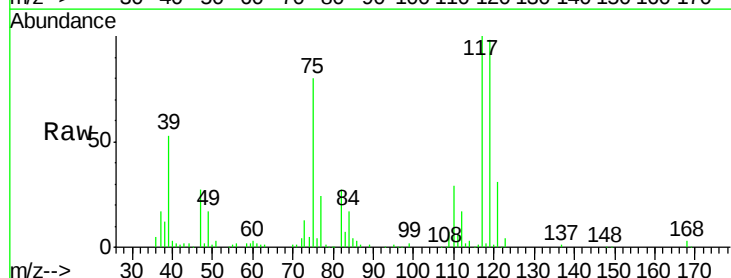
Manual Integrations
APPROVED

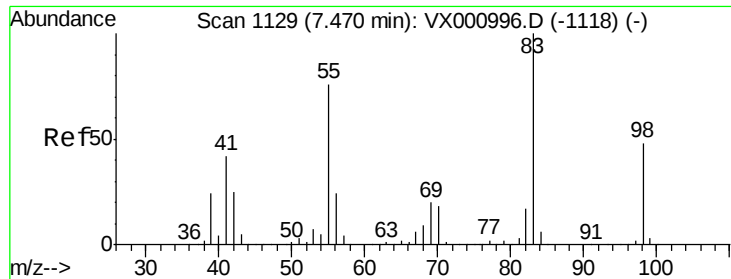
MMDadoda
4/23/2018 1:27:40 PM



#38
Carbon Tetrachloride
Concen: 19.00 ug/l
RT: 5.79 min Scan# 854
Delta R.T. 0.00 min
Lab File: VX001010.D
Acq: 20 Apr 2018 15:52

Tgt Ion: 117 Resp: 71893
Ion Ratio Lower Upper
117 100
119 98.5 76.5 114.7
121 30.9 24.5 36.7





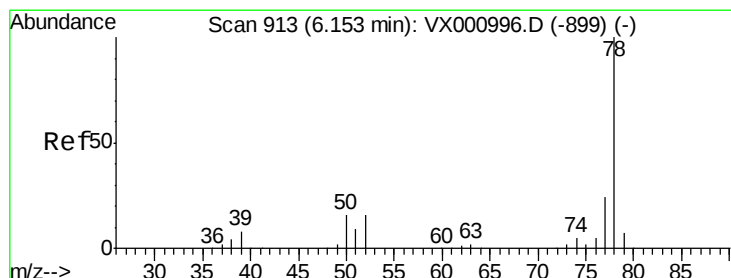
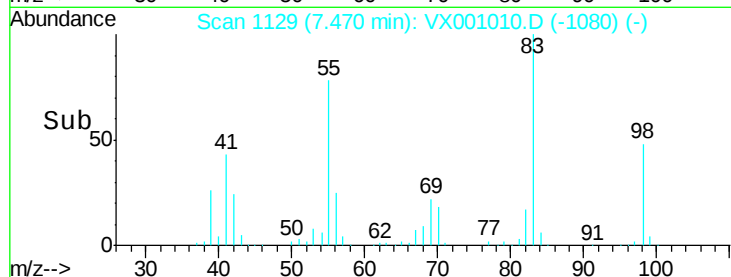
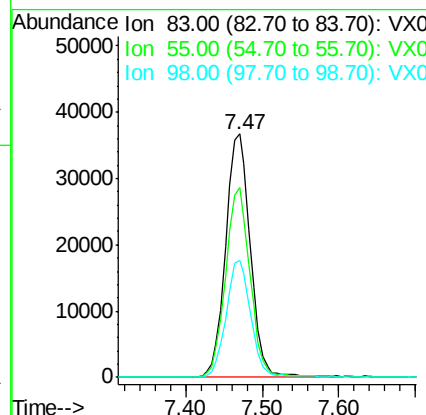
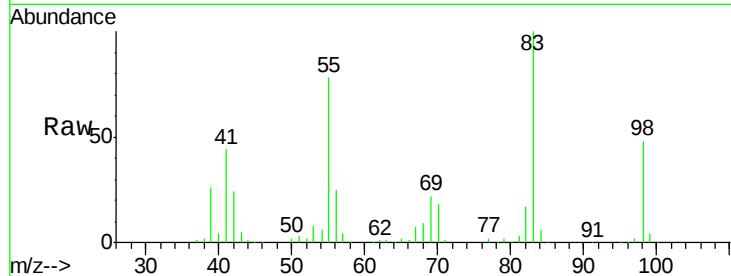
#39
Methylcyclohexane
Concen: 18.93 ug/l
RT: 7.47 min Scan# 1129
Delta R.T. 0.00 min
Lab File: VX001010.D
Acq: 20 Apr 2018 15:52

Instrument :
MSVOA_X
ClientSampleId :
VX0420MBSD01

Tgt Ion	Ratio	Lower	Upper
83	100		
55	78.1	60.6	91.0
98	48.0	38.2	57.4

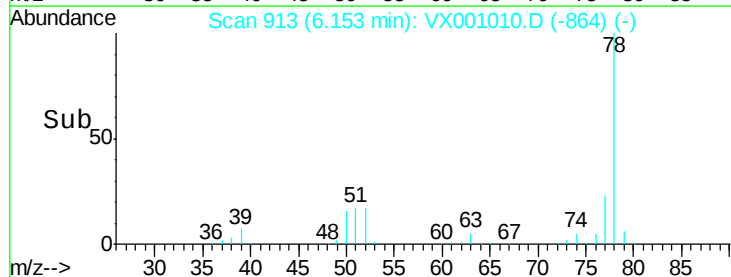
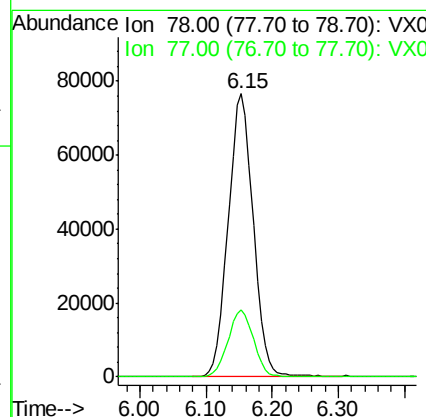
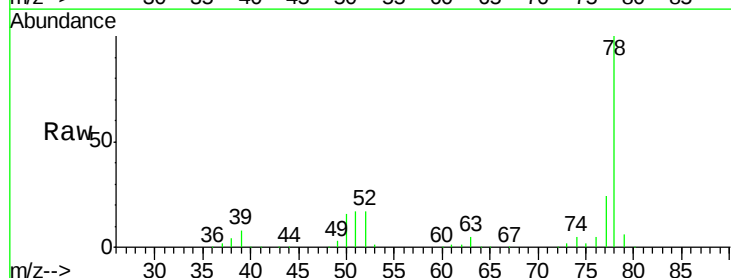
Manual Integrations
APPROVED

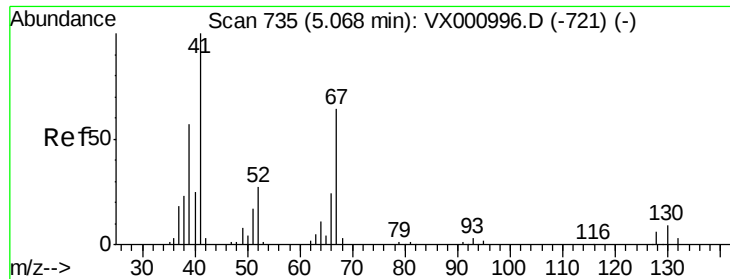
MMDadoda
4/23/2018 1:27:40 PM



#40
Benzene
Concen: 19.38 ug/l
RT: 6.15 min Scan# 913
Delta R.T. 0.00 min
Lab File: VX001010.D
Acq: 20 Apr 2018 15:52

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.9	28.3





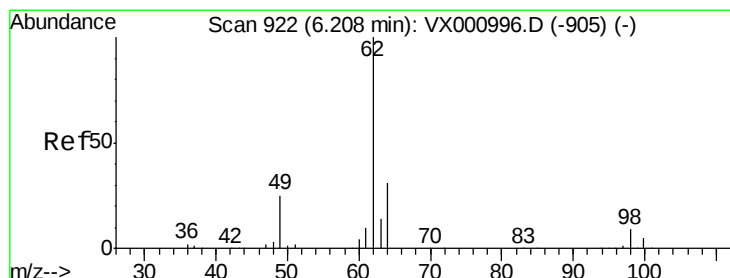
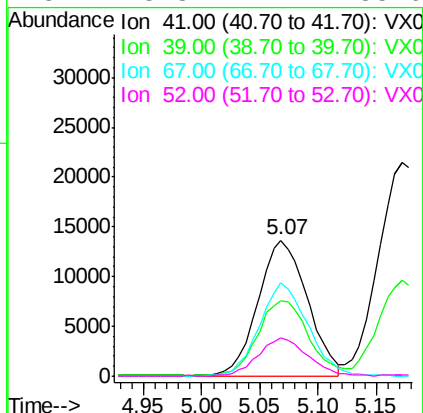
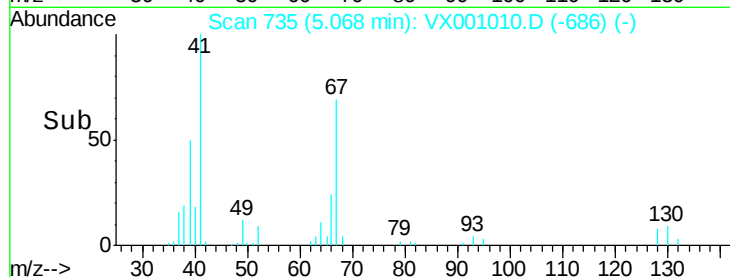
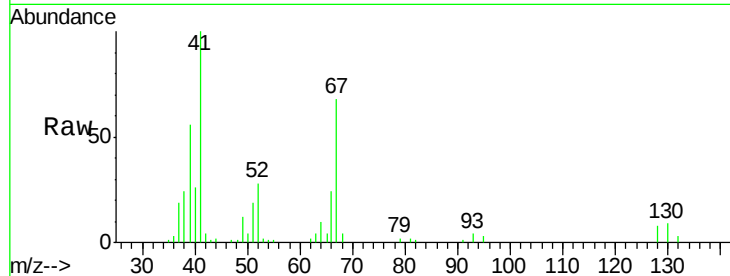
#41
Methacrylonitrile
Concen: 18.66 ug/l
RT: 5.07 min Scan# 735
Delta R.T. 0.00 min
Lab File: VX001010.D
Acq: 20 Apr 2018 15:52

Instrument :
MSVOA_X
ClientSampleId :
VX0420MBSD01

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	57.1	45.2	67.8	
67	67.7	53.8	80.8	
52	28.8	22.4	33.6	

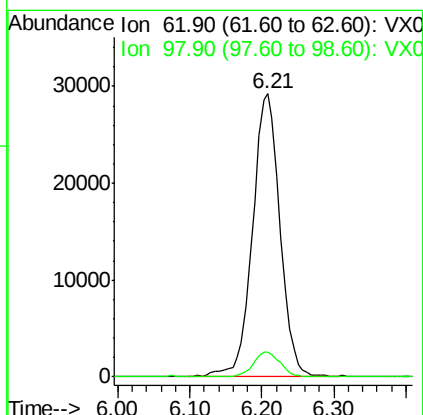
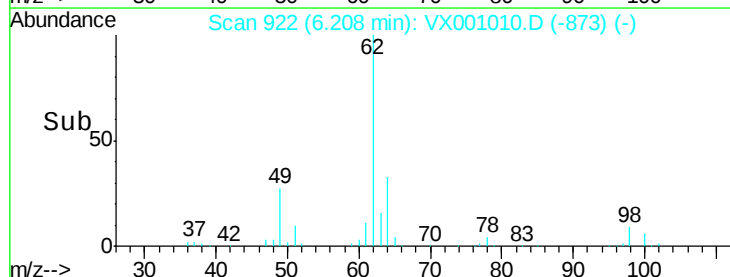
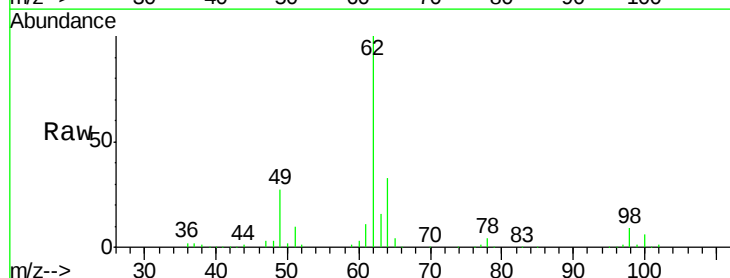
Manual Integrations
APPROVED

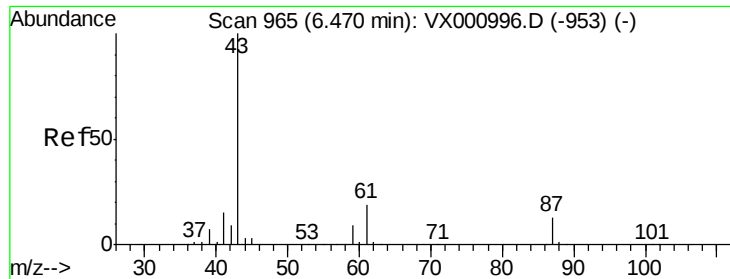
MMDadoda
4/23/2018 1:27:40 PM



#42
1,2-Dichloroethane
Concen: 19.42 ug/l
RT: 6.21 min Scan# 922
Delta R.T. 0.00 min
Lab File: VX001010.D
Acq: 20 Apr 2018 15:52

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.7	0.0	17.6	





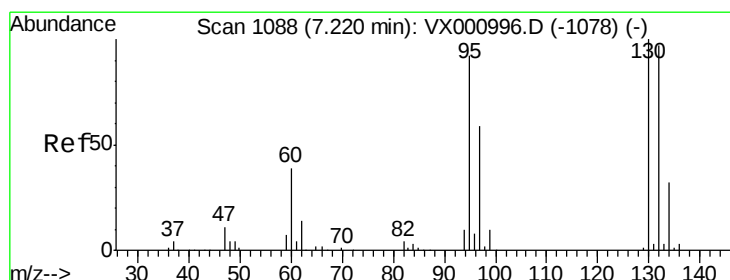
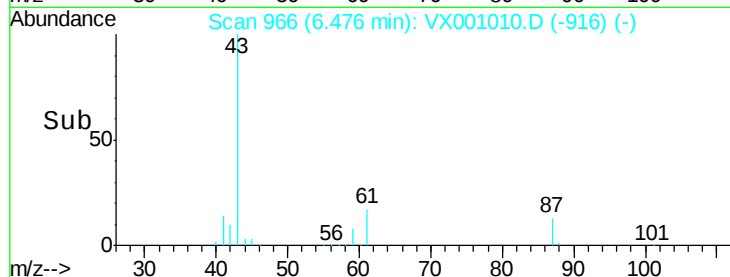
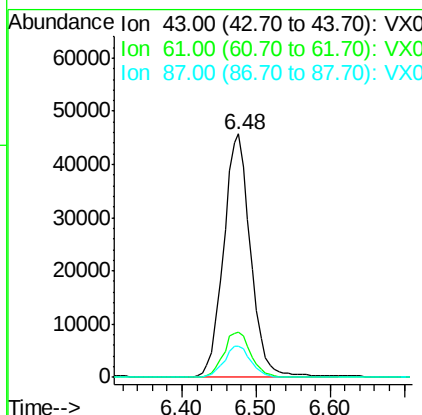
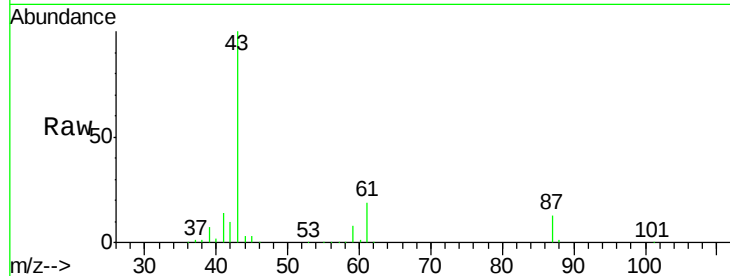
#43
Isopropyl Acetate
Concen: 19.52 ug/l
RT: 6.48 min Scan# 966
Delta R.T. 0.01 min
Lab File: VX001010.D
Acq: 20 Apr 2018 15:52

Instrument :
MSVOA_X
ClientSampleId :
VX0420MBSD01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	18.9	15.4	23.2
87	13.0	10.6	15.8

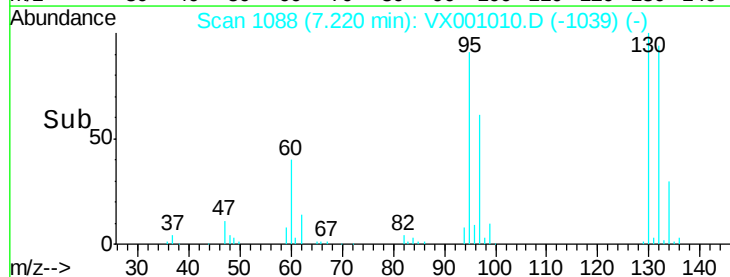
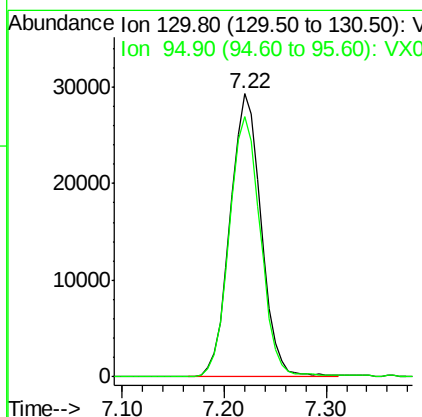
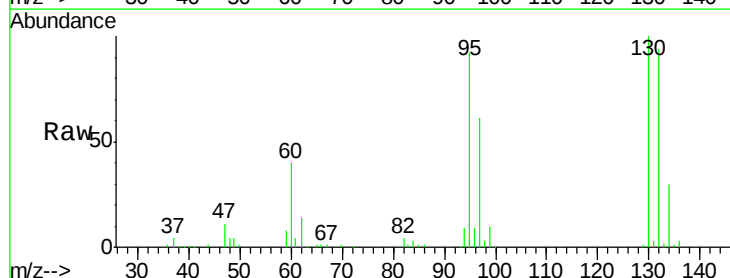
Manual Integrations
APPROVED

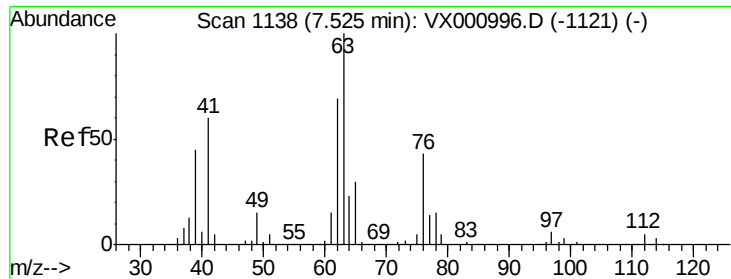
MMDadoda
4/23/2018 1:27:40 PM



#44
Trichloroethene
Concen: 19.43 ug/l
RT: 7.22 min Scan# 1088
Delta R.T. 0.00 min
Lab File: VX001010.D
Acq: 20 Apr 2018 15:52

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.9	0.0	184.2





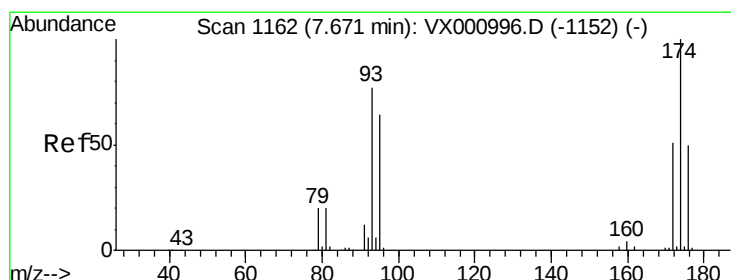
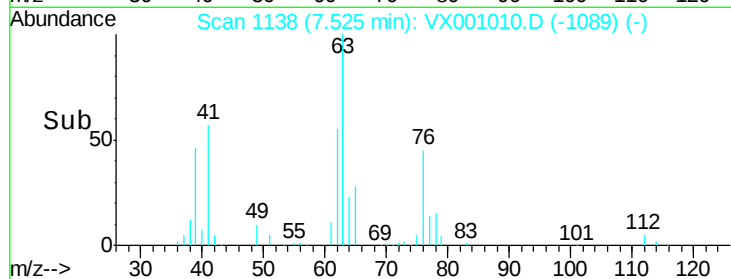
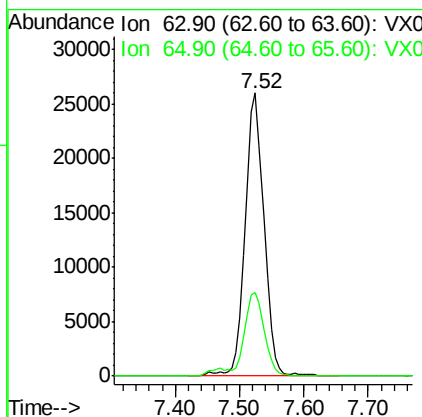
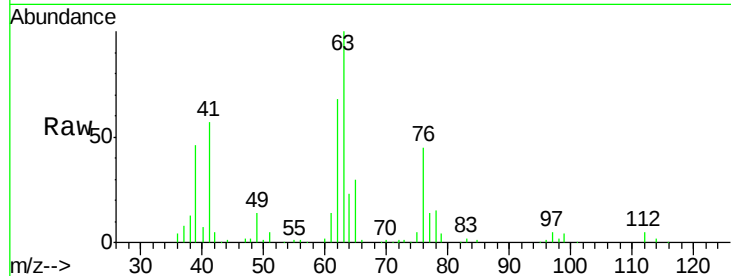
#45
 1,2-Dichloropropane
 Concen: 20.01 ug/l
 RT: 7.52 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VX001010.D
 Acq: 20 Apr 2018 15:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0420MBSD01

Tgt Ion: 63 Resp: 52279
 Ion Ratio Lower Upper
 63 100
 65 29.7 24.4 36.6

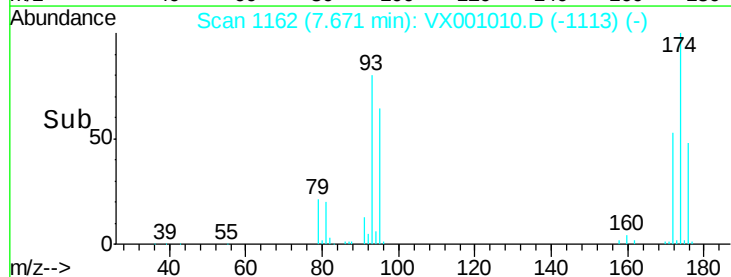
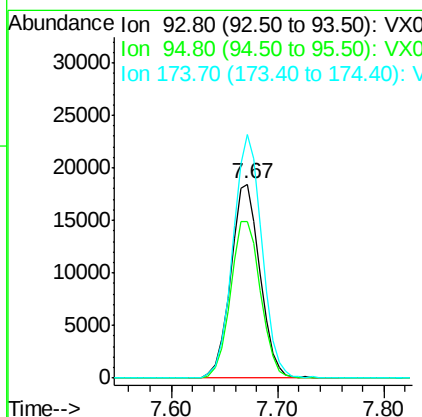
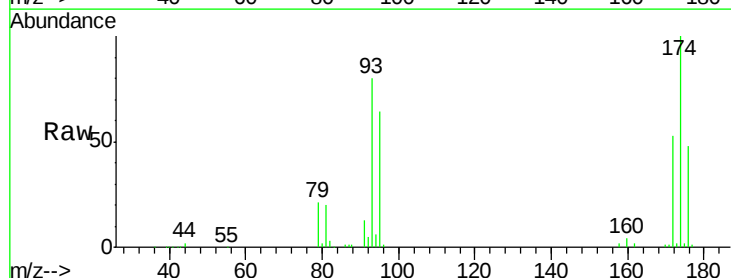
Manual Integrations
 APPROVED

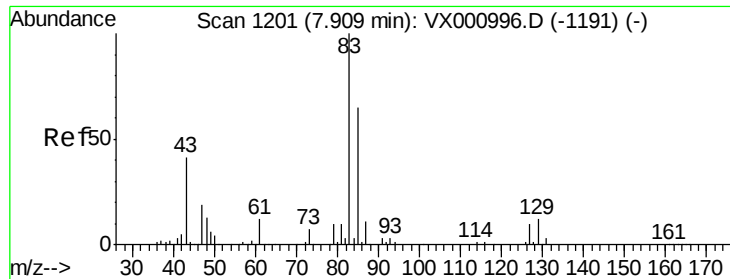
MMDadoda
 4/23/2018 1:27:40 PM



#46
 Dibromomethane
 Concen: 19.49 ug/l
 RT: 7.67 min Scan# 1162
 Delta R.T. 0.00 min
 Lab File: VX001010.D
 Acq: 20 Apr 2018 15:52

Tgt Ion: 93 Resp: 35580
 Ion Ratio Lower Upper
 93 100
 95 83.0 66.7 100.1
 174 124.2 101.8 152.6





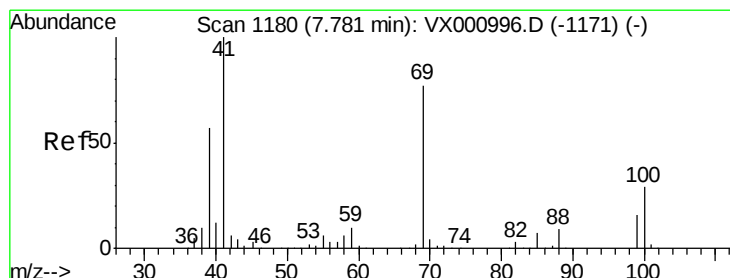
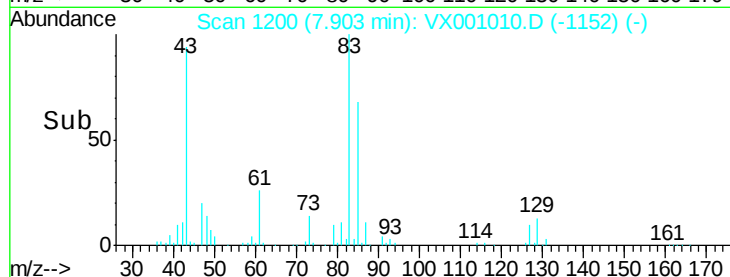
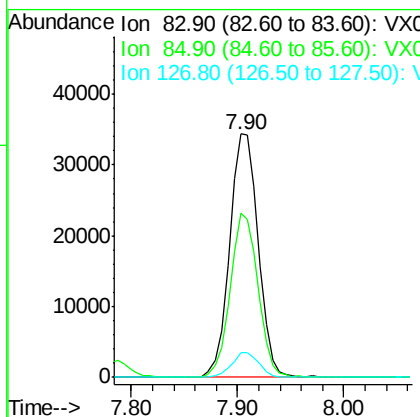
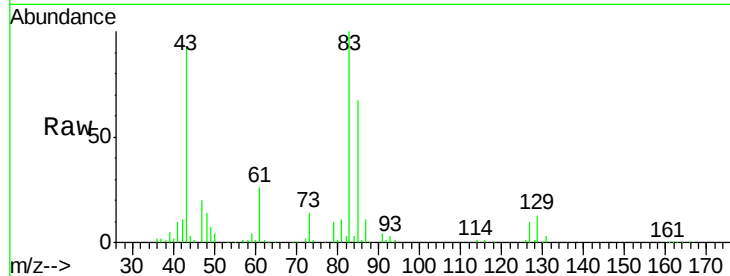
#47
Bromodichloromethane
Concen: 19.13 ug/l
RT: 7.90 min Scan# 1200
Delta R.T. -0.01 min
Lab File: VX001010.D
Acq: 20 Apr 2018 15:52

Instrument :
MSVOA_X
ClientSampleId :
VX0420MBSD01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.3	52.3	78.5
127	10.2	7.8	11.6

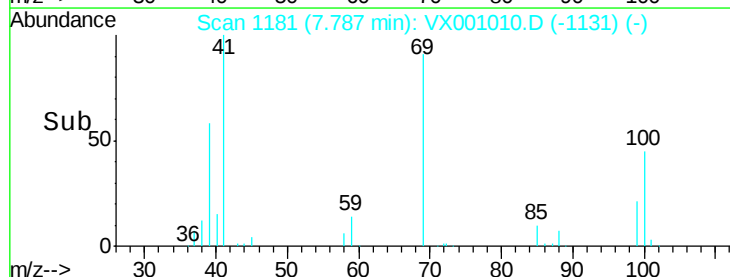
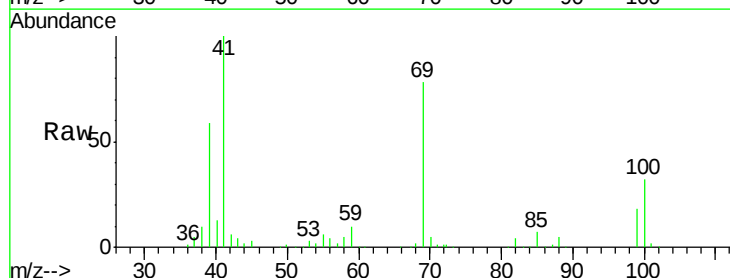
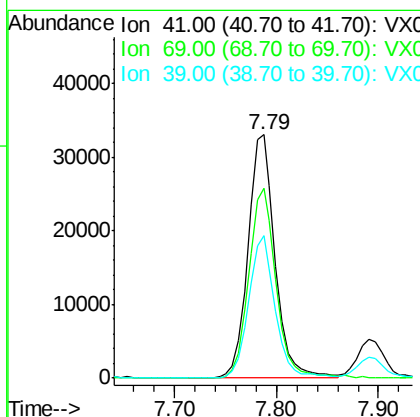
Manual Integrations
APPROVED

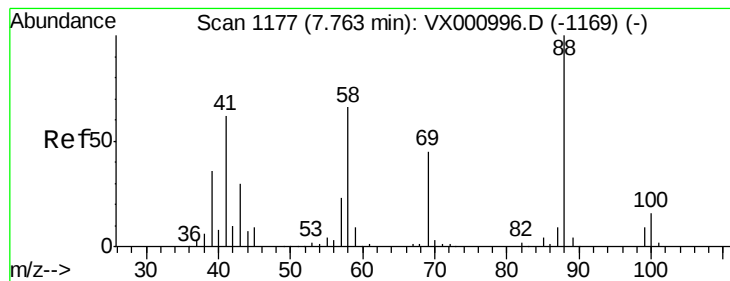
MMDadoda
4/23/2018 1:27:40 PM



#48
Methyl methacrylate
Concen: 19.38 ug/l
RT: 7.79 min Scan# 1181
Delta R.T. 0.01 min
Lab File: VX001010.D
Acq: 20 Apr 2018 15:52

Tgt Ion	Ratio	Lower	Upper
41	100		
69	78.1	62.6	94.0
39	57.4	45.3	67.9





#49

1,4-Dioxane

Concen: 387.28 ug/l

RT: 7.76 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VX001010.D

Acq: 20 Apr 2018 15:52

Instrument :

MSVOA_X

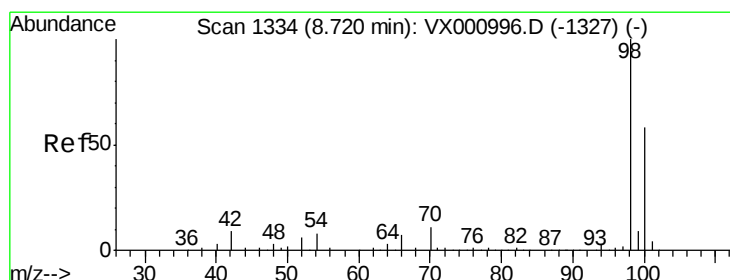
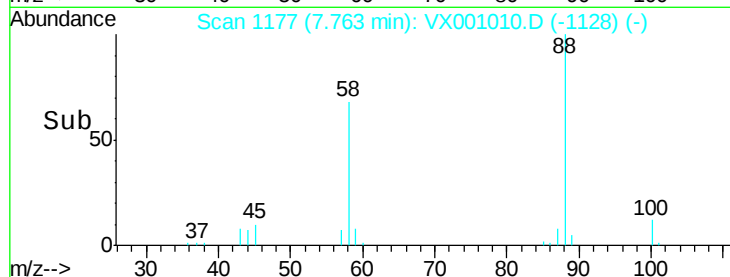
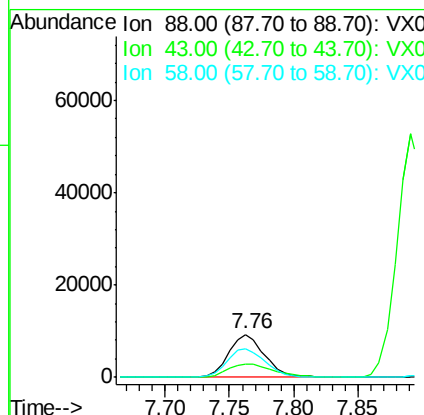
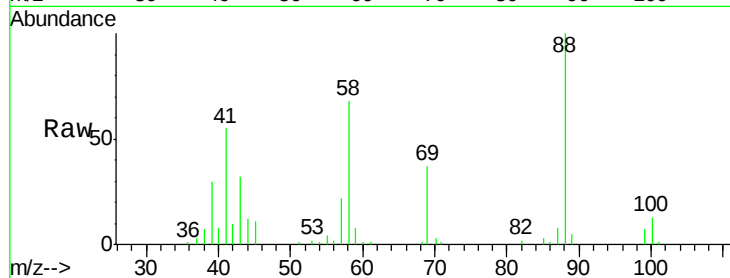
ClientSampleId :

VX0420MBSD01

Tgt Ion:	88	Resp:	18034
Ion	Ratio	Lower	Upper
88	100		
43	39.5	29.2	43.8
58	72.8	55.0	82.6

Manual Integrations
APPROVED

MMDadoda
4/23/2018 1:27:40 PM



#50

Toluene-d8

Concen: 46.86 ug/l

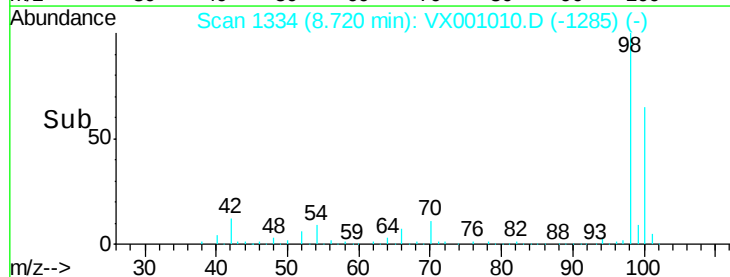
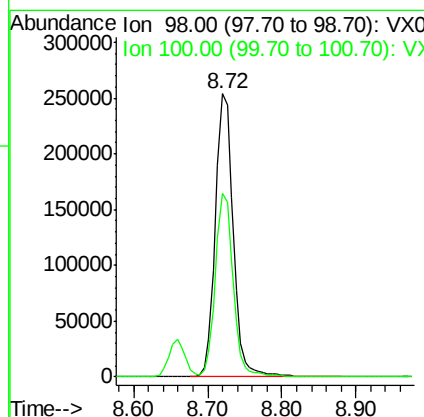
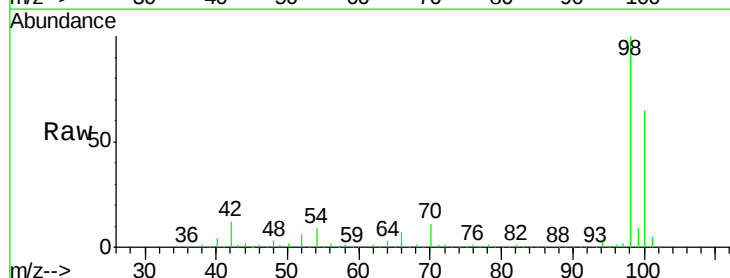
RT: 8.72 min Scan# 1334

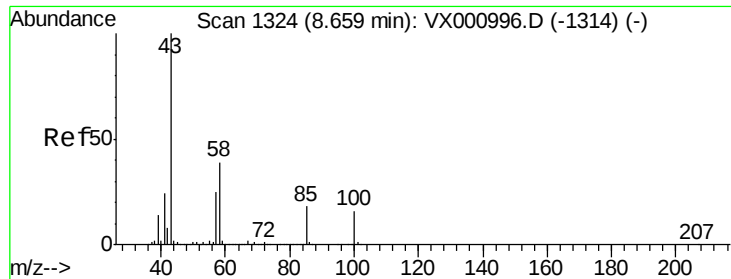
Delta R.T. 0.00 min

Lab File: VX001010.D

Acq: 20 Apr 2018 15:52

Tgt Ion:	98	Resp:	420183
Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.9	77.9





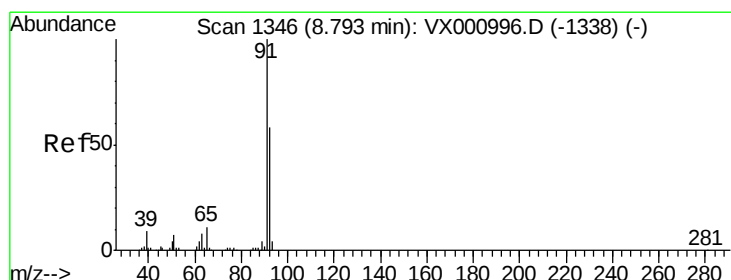
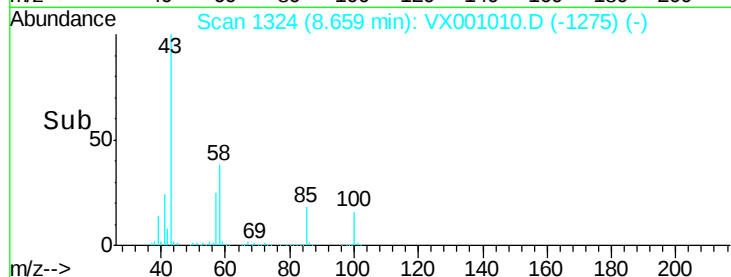
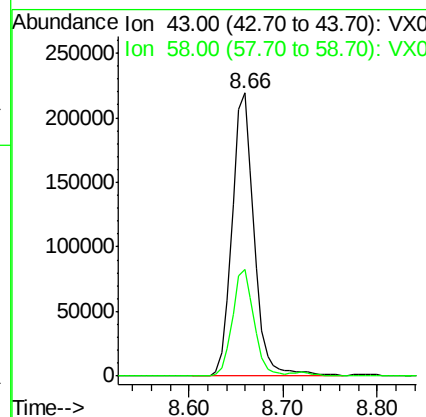
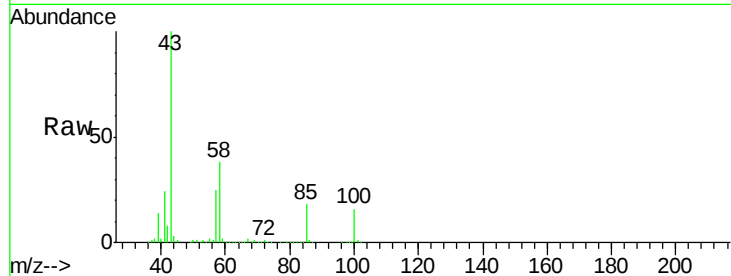
#51
 4-Methyl-2-Pentanone
 Concen: 99.52 ug/l
 RT: 8.66 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VX001010.D
 Acq: 20 Apr 2018 15:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0420MBSD01

Tgt Ion: 43 Resp: 355355
 Ion Ratio Lower Upper
 43 100
 58 36.9 30.2 45.4

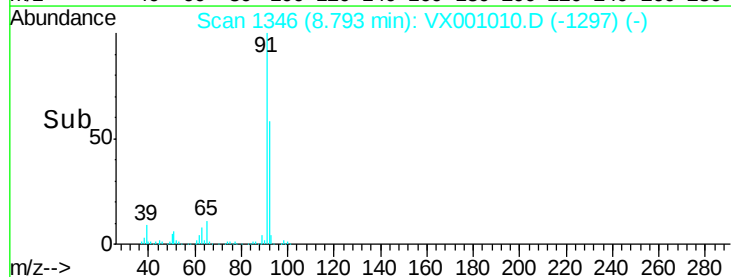
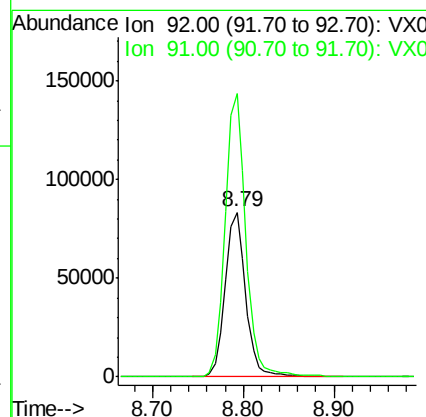
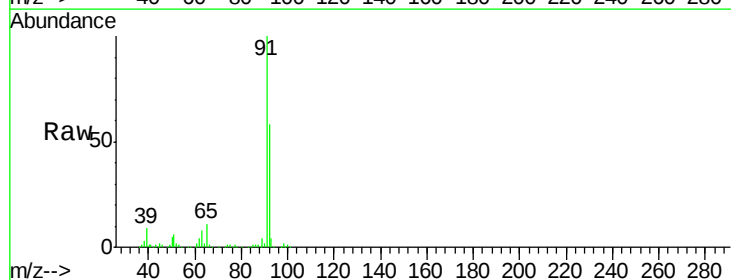
Manual Integrations
 APPROVED

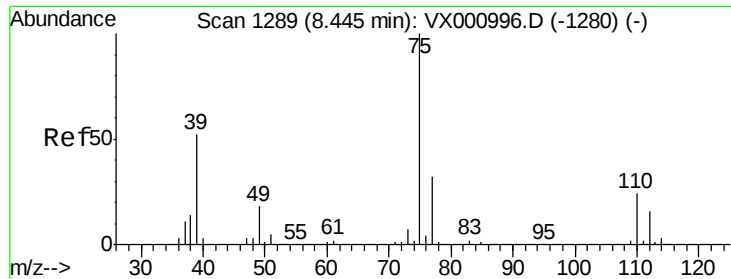
MMDadoda
 4/23/2018 1:27:40 PM



#52
 Toluene
 Concen: 19.57 ug/l
 RT: 8.79 min Scan# 1346
 Delta R.T. 0.00 min
 Lab File: VX001010.D
 Acq: 20 Apr 2018 15:52

Tgt Ion: 92 Resp: 132719
 Ion Ratio Lower Upper
 92 100
 91 172.4 138.2 207.4





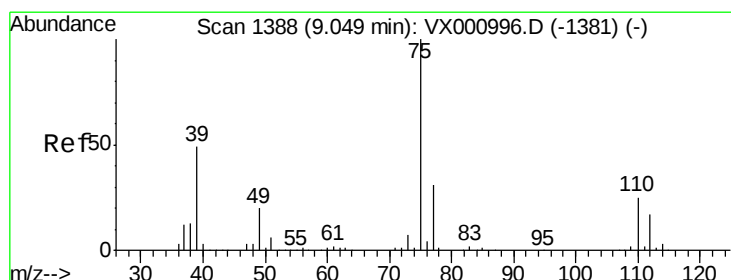
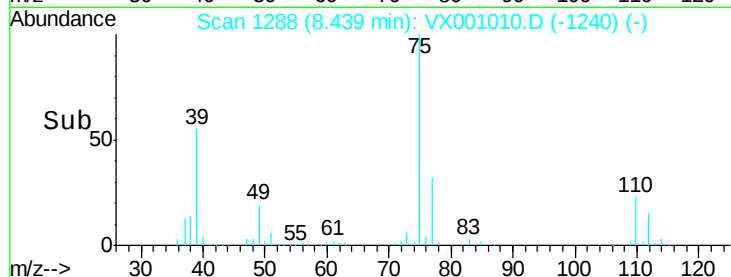
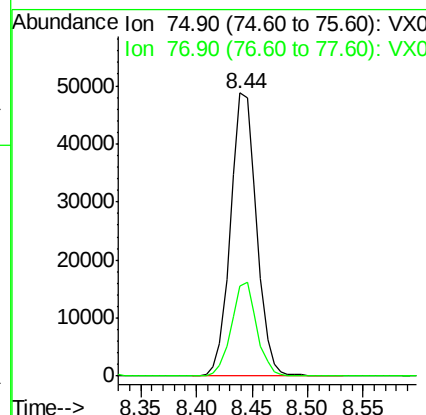
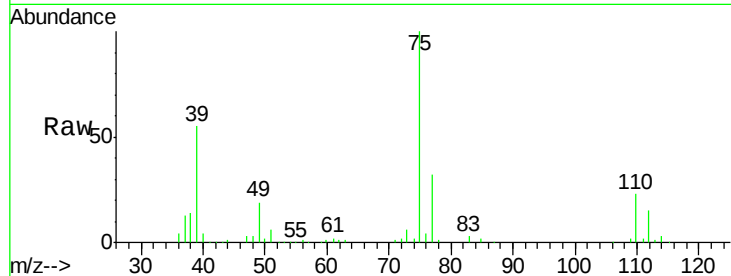
#53
t-1,3-Dichloropropene
Concen: 19.51 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. -0.01 min
Lab File: VX001010.D
Acq: 20 Apr 2018 15:52

Instrument :
MSVOA_X
ClientSampleId :
VX0420MBSD01

Tgt Ion: 75 Resp: 78913
Ion Ratio Lower Upper
75 100
77 32.0 25.8 38.6

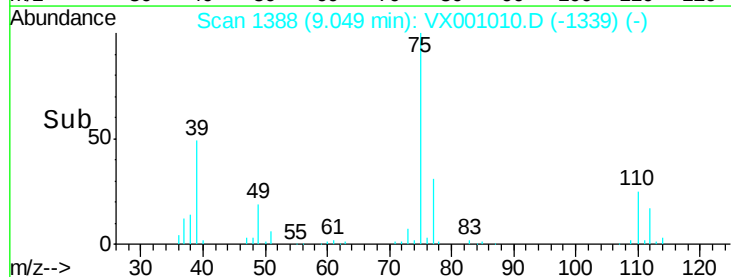
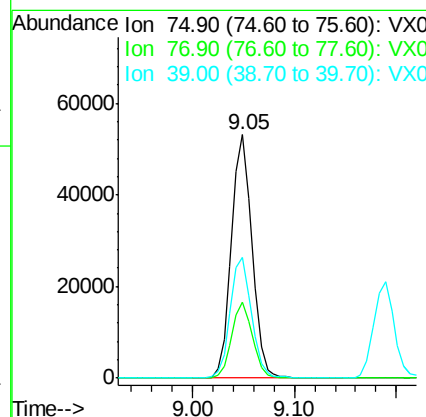
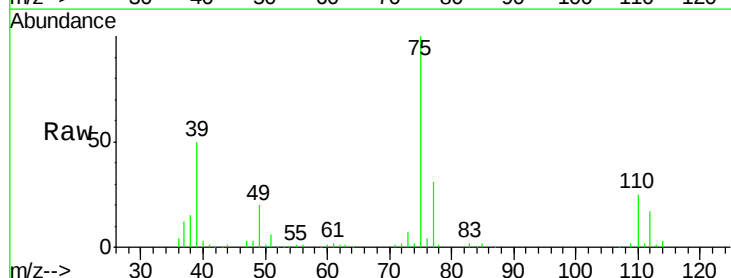
Manual Integrations
APPROVED

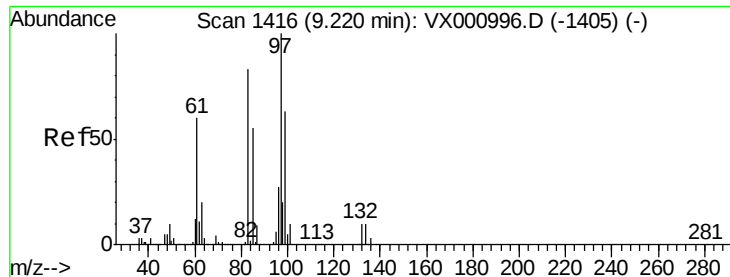
MMDadoda
4/23/2018 1:27:40 PM



#54
cis-1,3-Dichloropropene
Concen: 19.48 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. 0.00 min
Lab File: VX001010.D
Acq: 20 Apr 2018 15:52

Tgt Ion: 75 Resp: 74296
Ion Ratio Lower Upper
75 100
77 31.4 25.0 37.6
39 49.5 39.2 58.8





#55

1,1,2-Trichloroethane

Concen: 19.49 ug/l

RT: 9.22 min Scan# 1416

Delta R.T. 0.00 min

Lab File: VX001010.D

Acq: 20 Apr 2018 15:52

Instrument :

MSVOA_X

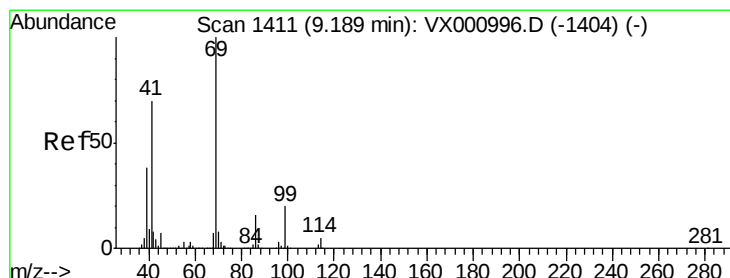
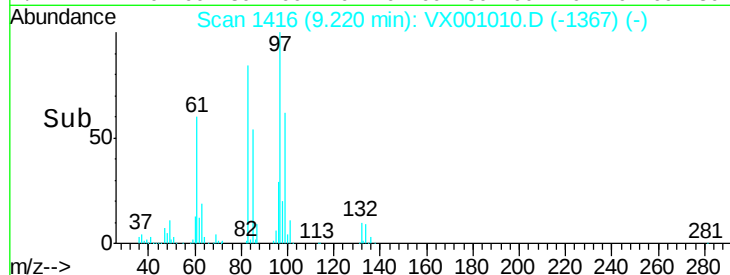
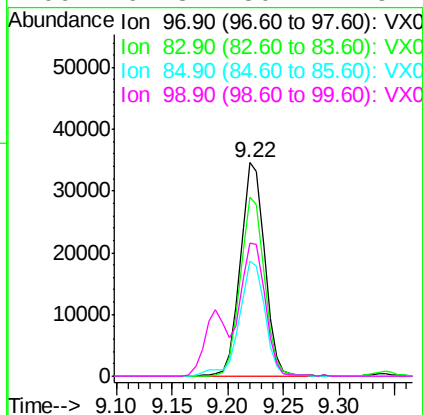
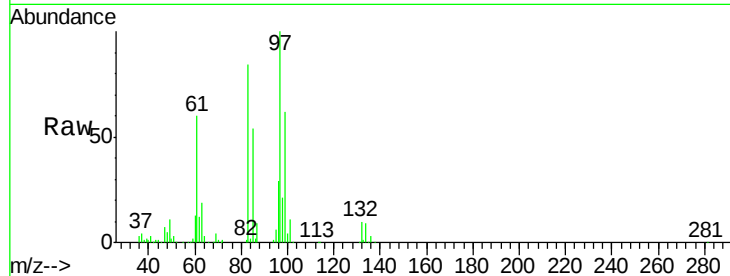
ClientSampleId :

VX0420MBS01

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	52516		
83	83.9	66.2	99.4	
85	53.8	44.2	66.4	
99	62.3	50.2	75.4	

Manual Integrations
APPROVED

MMDadoda
4/23/2018 1:27:40 PM



#56

Ethyl methacrylate

Concen: 19.68 ug/l

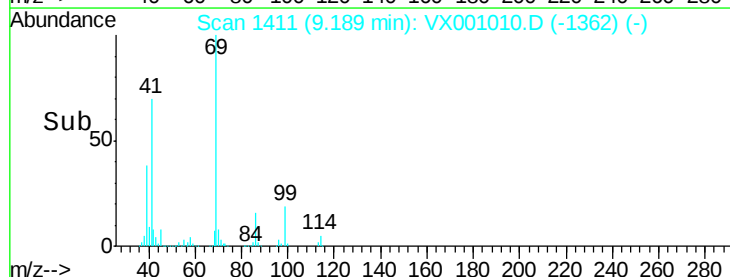
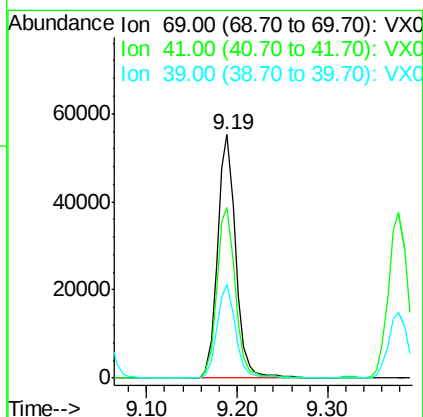
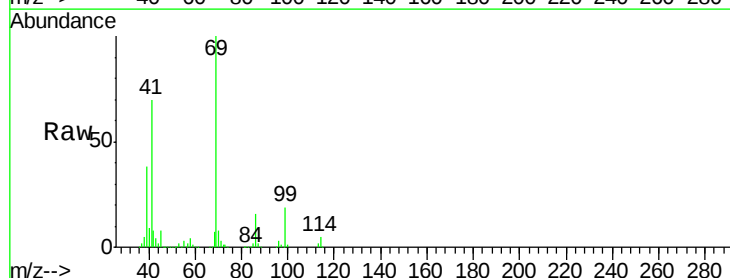
RT: 9.19 min Scan# 1411

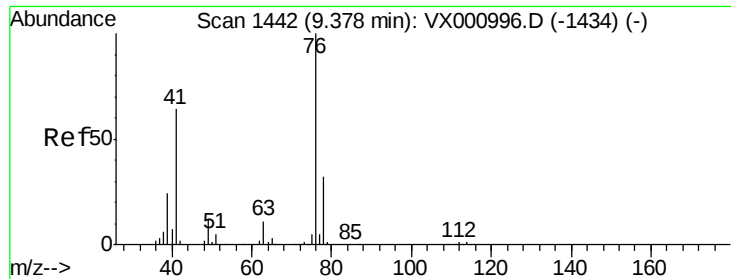
Delta R.T. 0.00 min

Lab File: VX001010.D

Acq: 20 Apr 2018 15:52

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	77888		
41	70.8	56.3	84.5	
39	38.8	30.4	45.6	





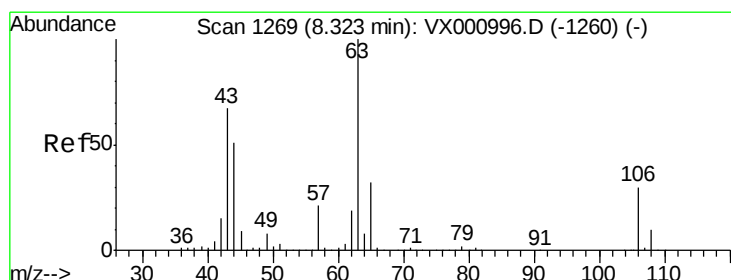
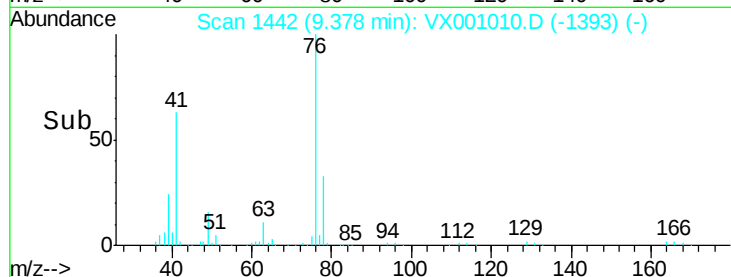
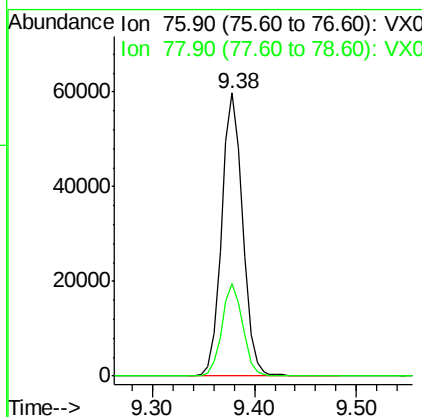
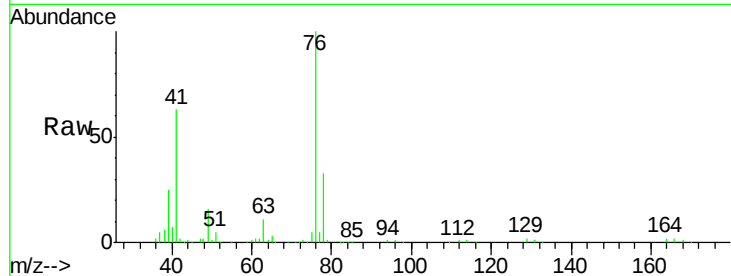
#57
 1,3-Dichloropropane
 Concen: 19.22 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: VX001010.D
 Acq: 20 Apr 2018 15:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0420MBSD01

Tgt Ion: 76 Resp: 85812
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.8 38.6

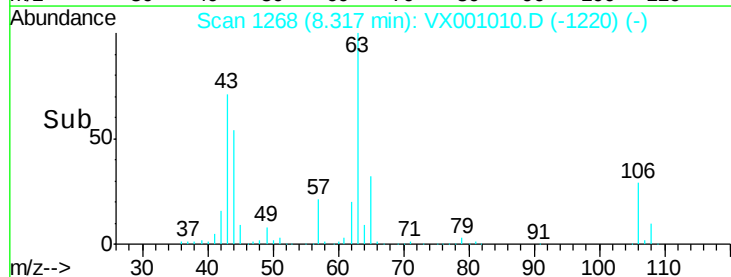
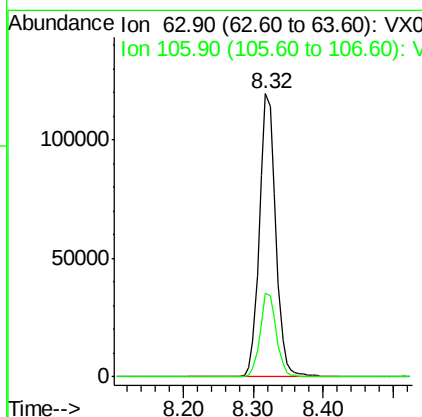
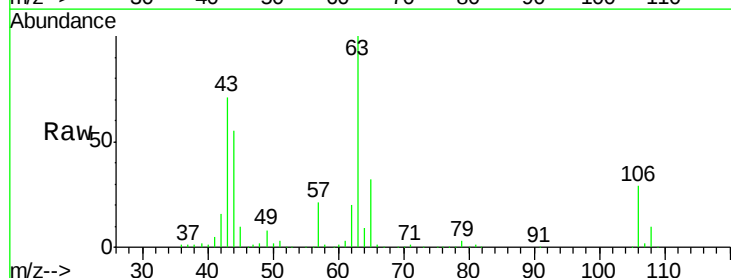
Manual Integrations
 APPROVED

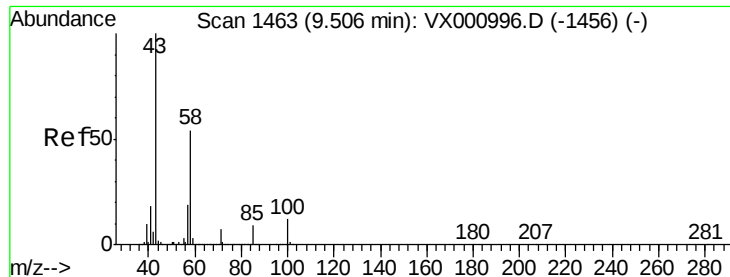
MMDadoda
 4/23/2018 1:27:40 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 100.42 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. -0.01 min
 Lab File: VX001010.D
 Acq: 20 Apr 2018 15:52

Tgt Ion: 63 Resp: 194004
 Ion Ratio Lower Upper
 63 100
 106 29.5 23.8 35.6





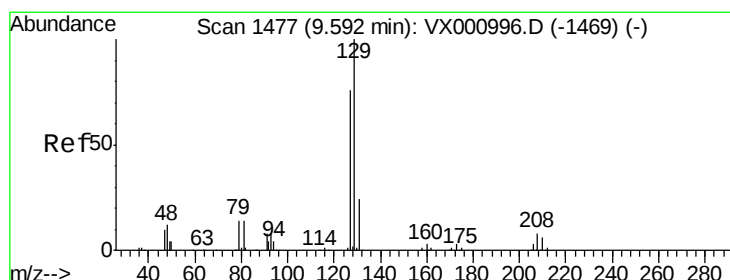
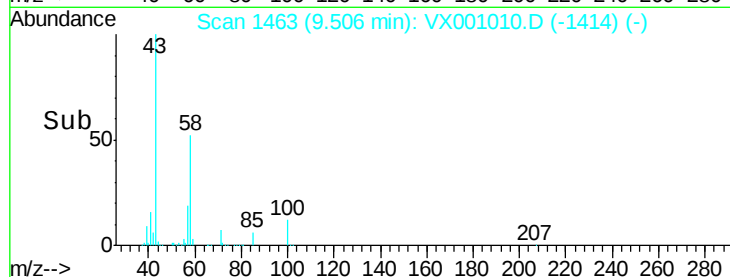
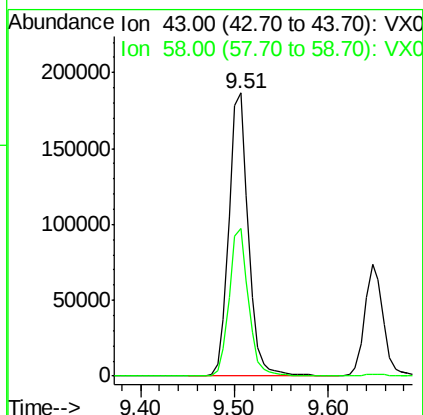
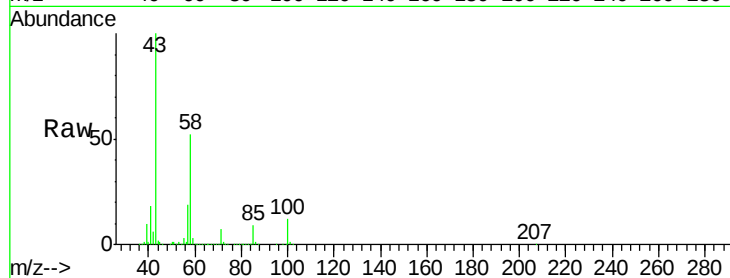
#59
2-Hexanone
Concen: 97.87 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. 0.00 min
Lab File: VX001010.D
Acq: 20 Apr 2018 15:52

Instrument :
MSVOA_X
ClientSampleId :
VX0420MBSD01

Tgt Ion: 43 Resp: 267487
Ion Ratio Lower Upper
43 100
58 51.6 26.3 78.9

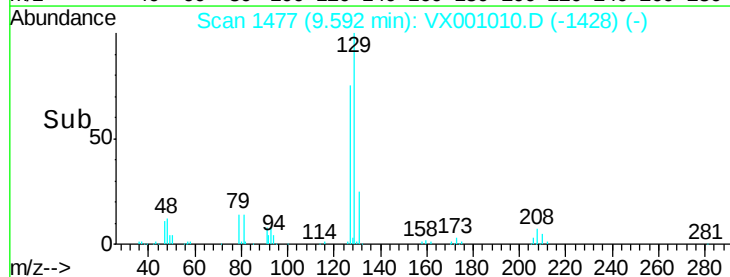
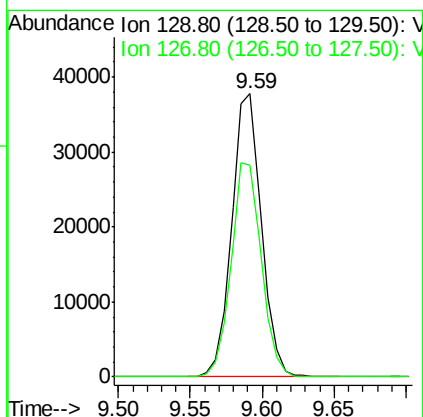
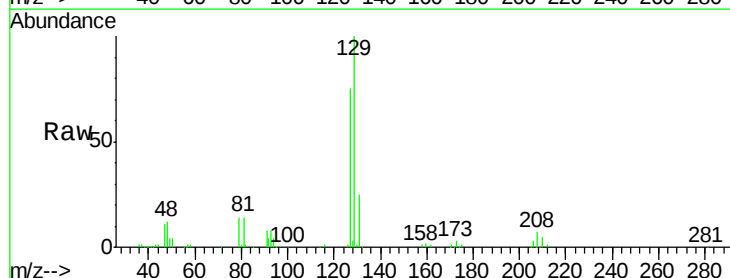
Manual Integrations
APPROVED

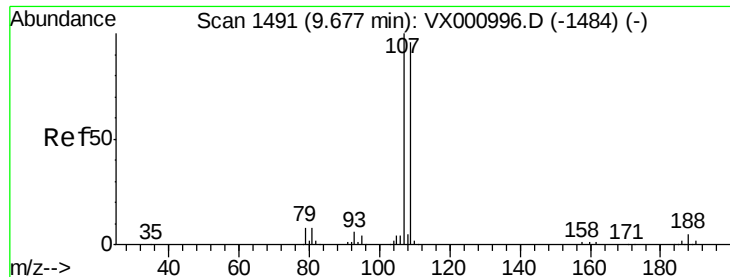
MMDadoda
4/23/2018 1:27:40 PM



#60
Dibromochloromethane
Concen: 19.26 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. 0.00 min
Lab File: VX001010.D
Acq: 20 Apr 2018 15:52

Tgt Ion: 129 Resp: 54515
Ion Ratio Lower Upper
129 100
127 76.8 38.6 115.8





#61

1,2-Dibromoethane

Concen: 19.67 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX001010.D

Acq: 20 Apr 2018 15:52

Instrument :

MSVOA_X

ClientSampleId :

VX0420MBSD01

Tgt Ion: 107 Resp: 55939

Ion Ratio Lower Upper

107 100

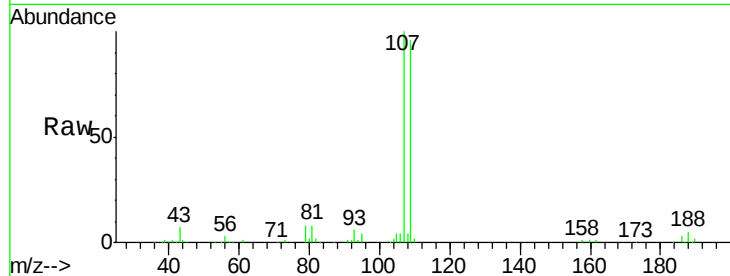
109 94.8 76.0 114.0

Manual Integrations

APPROVED

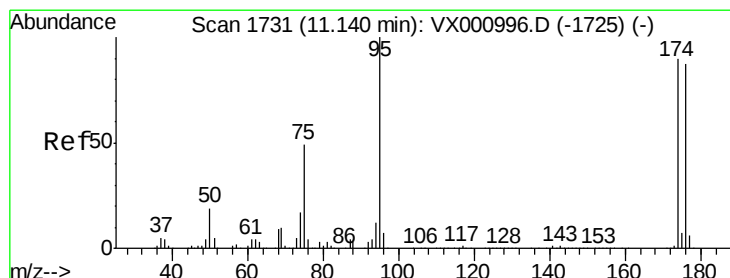
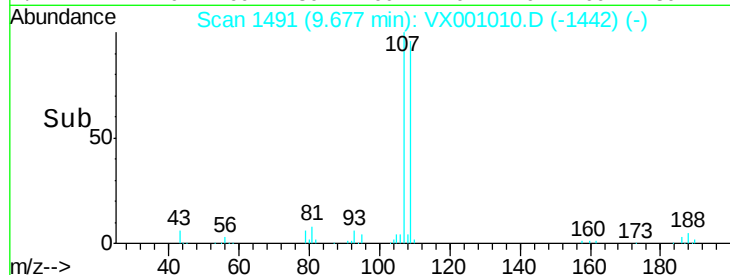
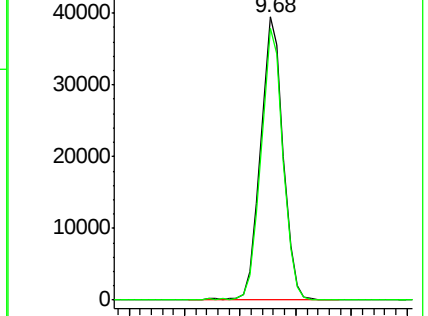
MMDadoda

4/23/2018 1:27:40 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 46.63 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX001010.D

Acq: 20 Apr 2018 15:52

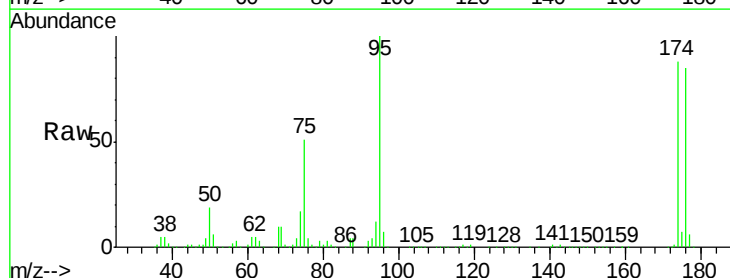
Tgt Ion: 95 Resp: 175450

Ion Ratio Lower Upper

95 100

174 97.4 0.0 198.4

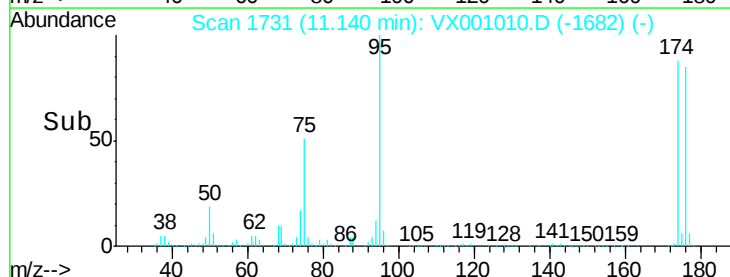
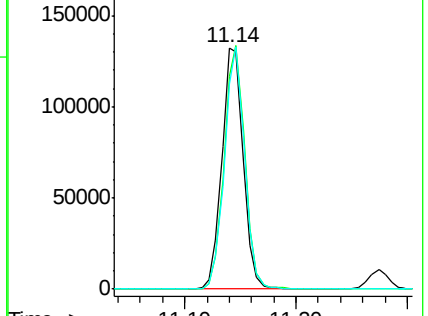
176 94.6 0.0 192.0

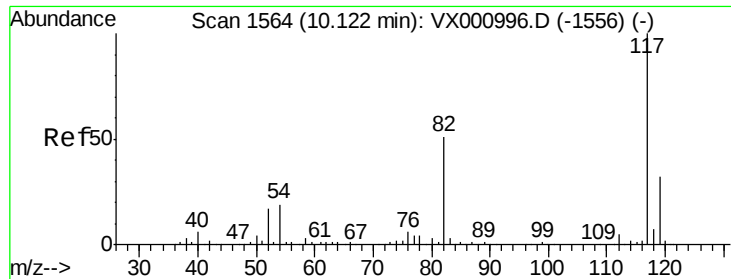


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





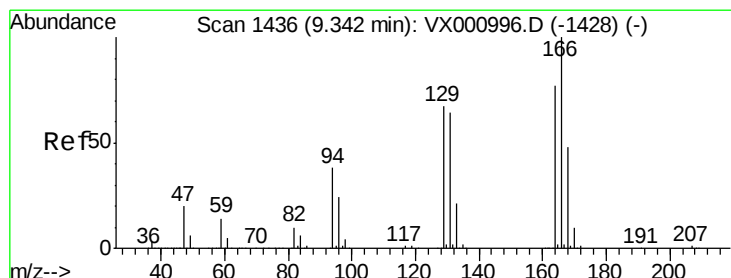
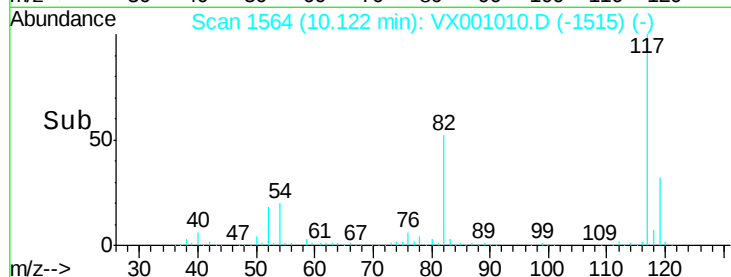
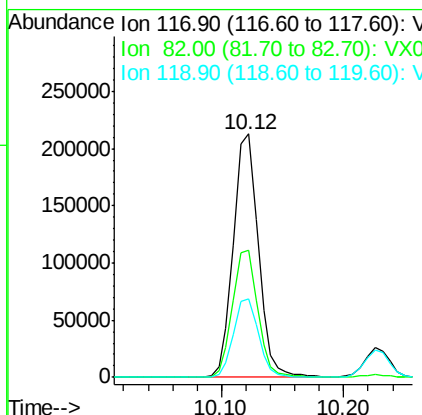
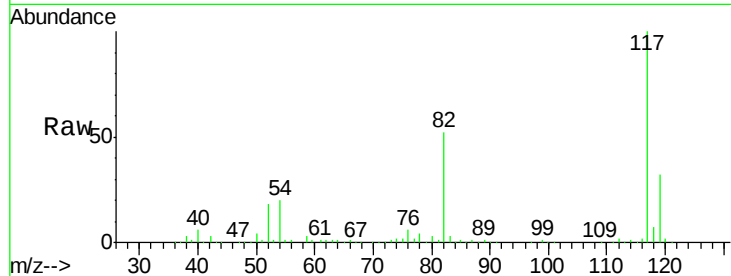
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX001010.D
Acq: 20 Apr 2018 15:52

Instrument :
MSVOA_X
ClientSampleId :
VX0420MBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	301466		
82	52.2	40.6	60.8	
119	32.4	26.0	39.0	

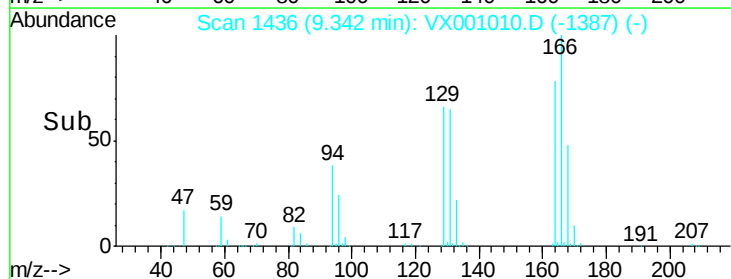
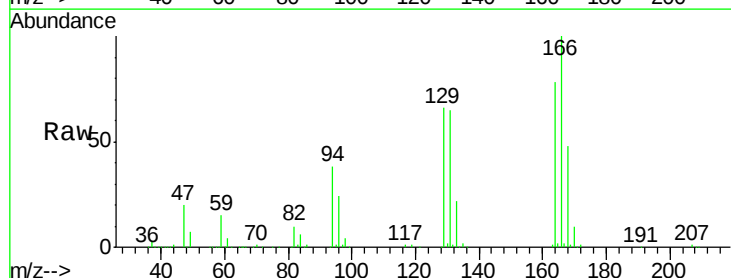
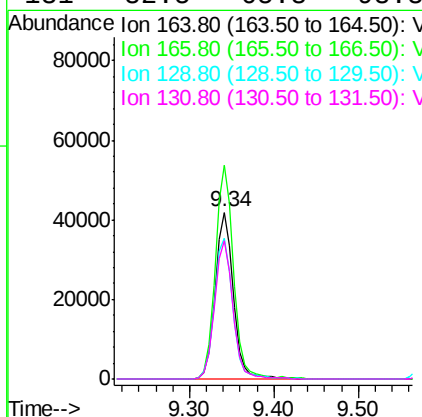
Manual Integrations
APPROVED

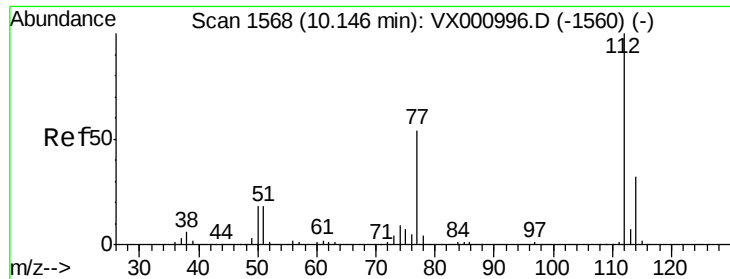
MMDadoda
4/23/2018 1:27:40 PM



#64
Tetrachloroethene
Concen: 19.63 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX001010.D
Acq: 20 Apr 2018 15:52

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	62836		
166	127.9	103.5	155.3	
129	84.3	69.6	104.4	
131	82.5	65.8	98.8	





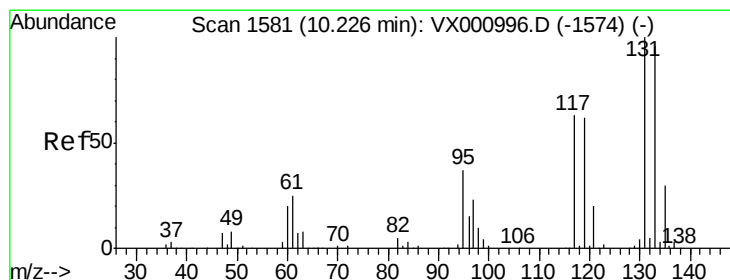
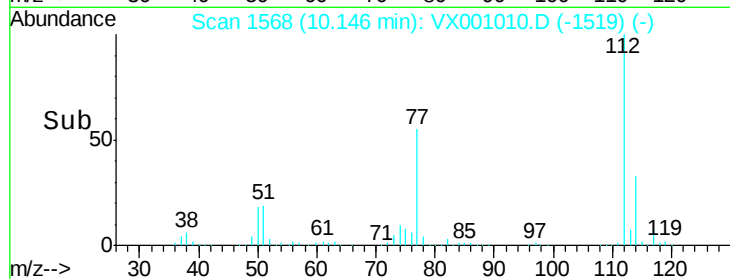
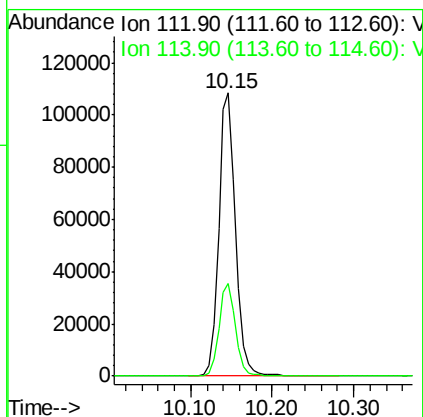
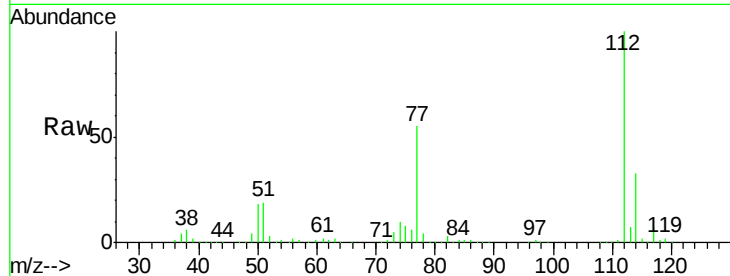
#65
Chlorobenzene
Concen: 19.36 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX001010.D
Acq: 20 Apr 2018 15:52

Instrument :
MSVOA_X
ClientSampleId :
VX0420MBS01

Tgt Ion:112 Resp: 155412
Ion Ratio Lower Upper
112 100
114 32.6 25.5 38.3

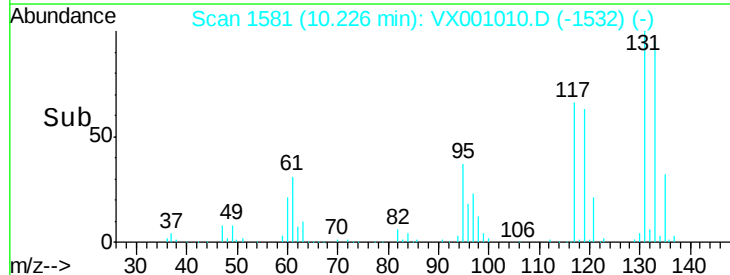
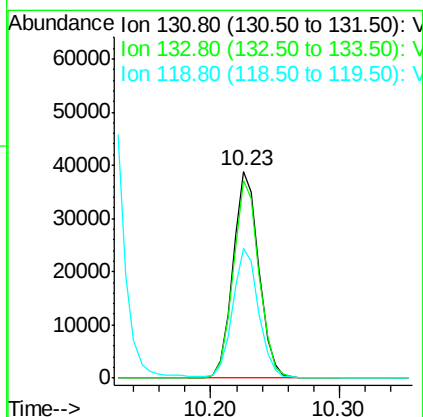
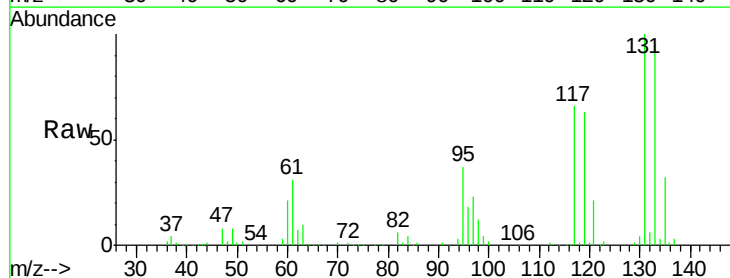
Manual Integrations
APPROVED

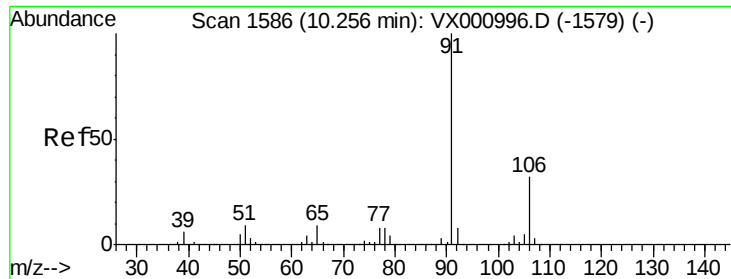
MMDadoda
4/23/2018 1:27:40 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.65 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX001010.D
Acq: 20 Apr 2018 15:52

Tgt Ion:131 Resp: 54149
Ion Ratio Lower Upper
131 100
133 95.7 47.6 142.8
119 63.4 31.1 93.2





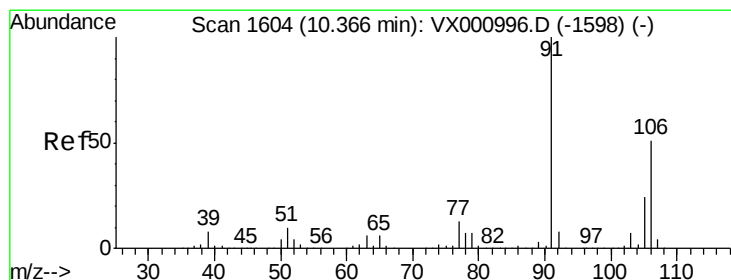
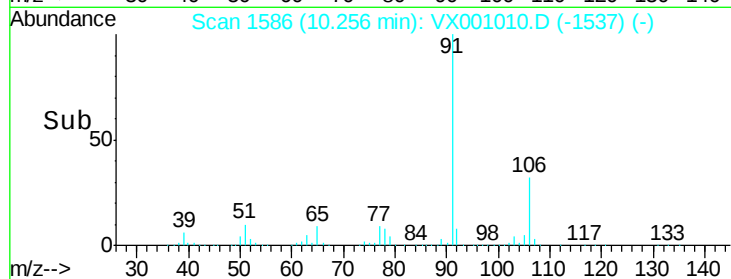
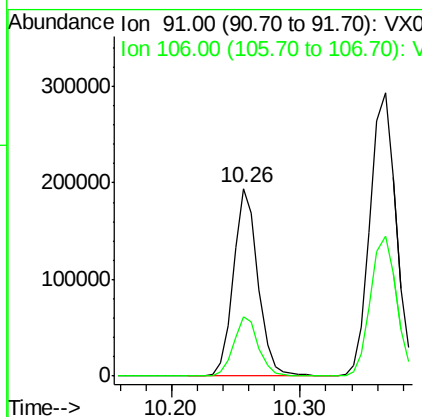
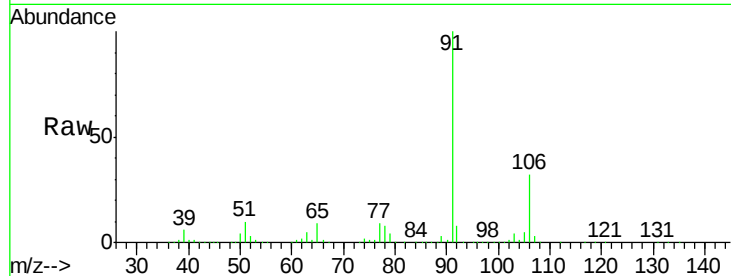
#67
Ethyl Benzene
Concen: 19.46 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX001010.D
Acq: 20 Apr 2018 15:52

Instrument :
MSVOA_X
ClientSampleId :
VX0420MBSD01

Tgt Ion: 91 Resp: 259374
Ion Ratio Lower Upper
91 100
106 31.7 25.7 38.5

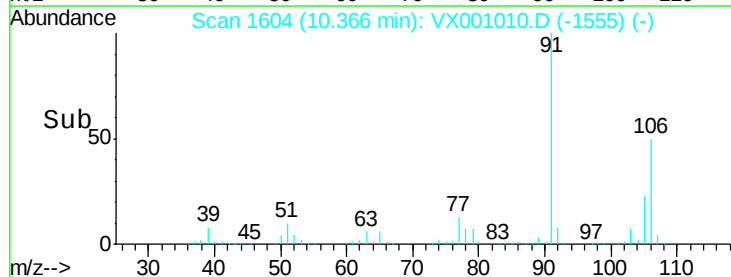
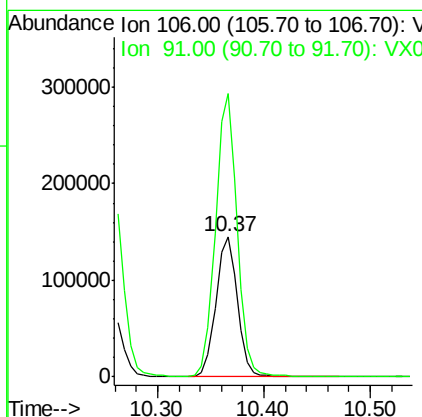
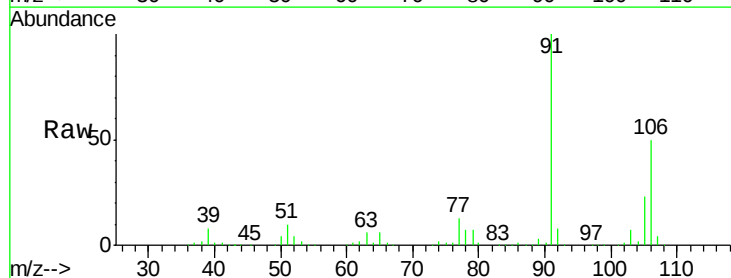
Manual Integrations
APPROVED

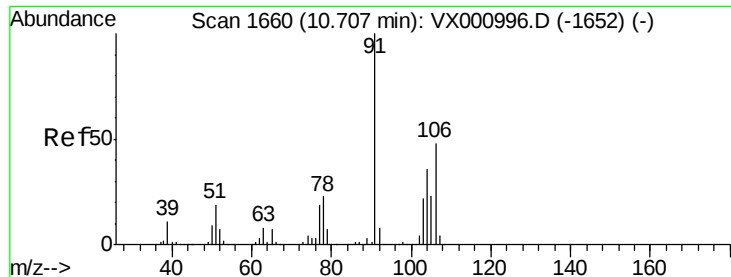
MMDadoda
4/23/2018 1:27:40 PM



#68
m/p-Xylenes
Concen: 38.62 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VX001010.D
Acq: 20 Apr 2018 15:52

Tgt Ion: 106 Resp: 202907
Ion Ratio Lower Upper
106 100
91 202.4 159.3 238.9





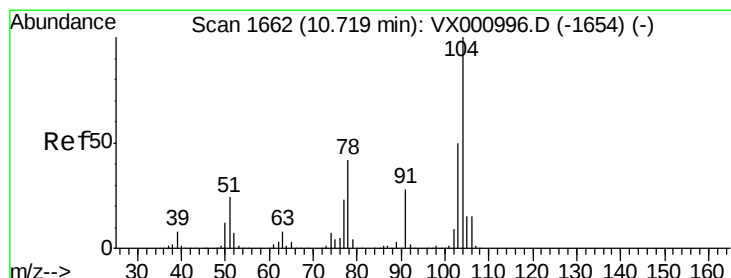
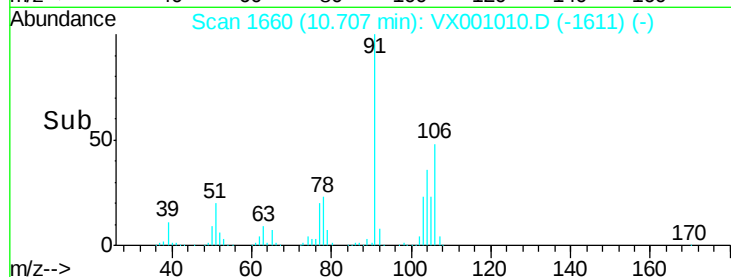
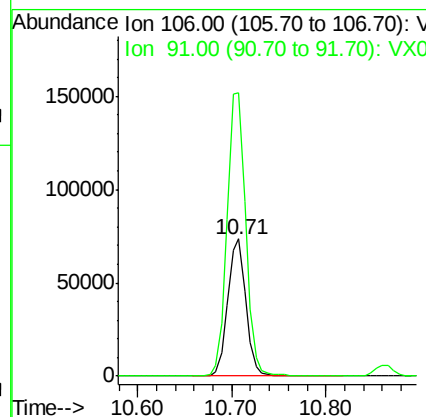
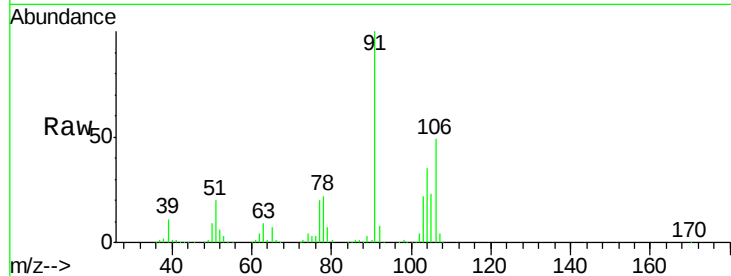
#69
o-Xylene
Concen: 19.35 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. 0.00 min
Lab File: VX001010.D
Acq: 20 Apr 2018 15:52

Instrument :
MSVOA_X
ClientSampleId :
VX0420MBSD01

Tgt Ion:106 Resp: 98010
Ion Ratio Lower Upper
106 100
91 213.1 105.1 315.1

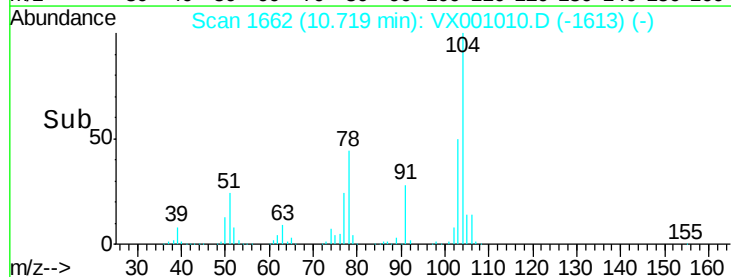
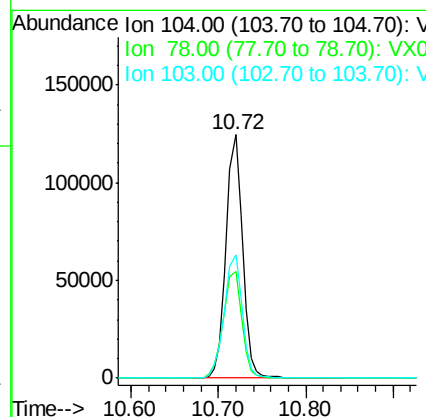
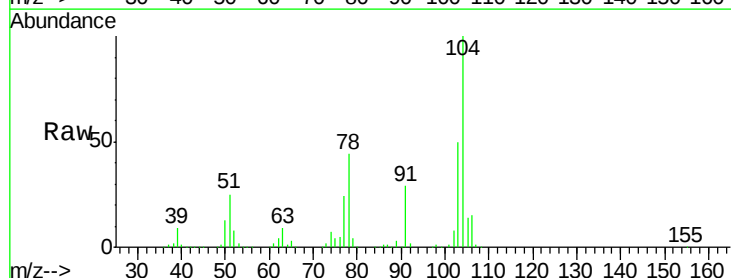
Manual Integrations
APPROVED

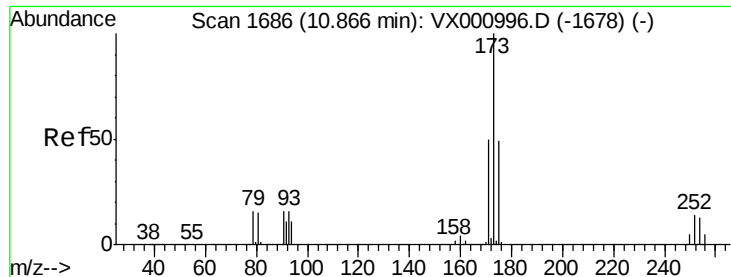
MMDadoda
4/23/2018 1:27:40 PM



#70
Styrene
Concen: 19.55 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VX001010.D
Acq: 20 Apr 2018 15:52

Tgt Ion:104 Resp: 163123
Ion Ratio Lower Upper
104 100
78 49.4 39.4 59.2
103 55.0 44.2 66.2





#71

Bromoform

Concen: 18.37 ug/l

RT: 10.87 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VX001010.D

Acq: 20 Apr 2018 15:52

Instrument :

MSVOA_X

ClientSampleId :

VX0420MBSD01

Tgt Ion:173 Resp: 42432

Ion Ratio Lower Upper

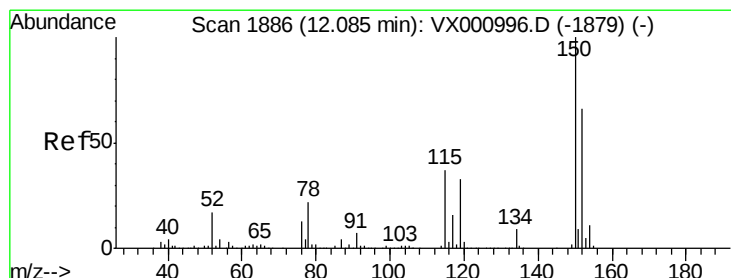
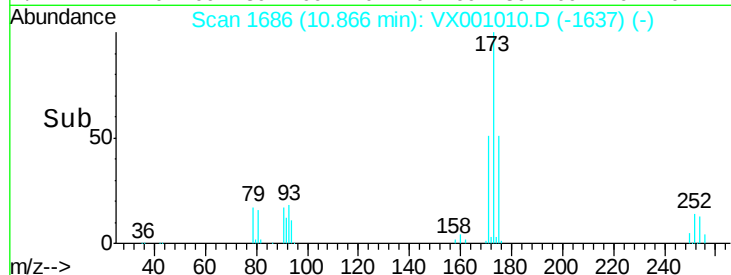
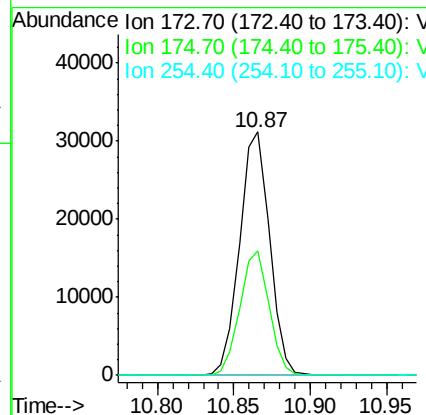
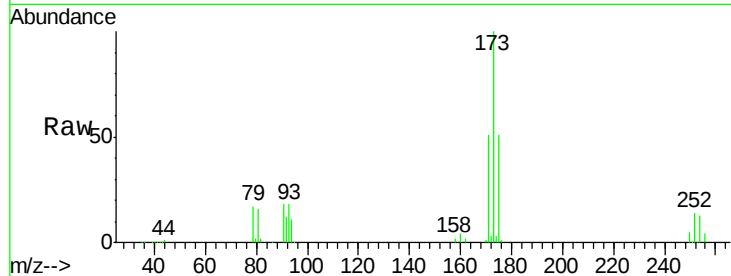
173 100

175 49.7 24.8 74.3

254 0.1 0.2 0.2#

Manual Integrations
APPROVED

MMDadoda
4/23/2018 1:27:40 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX001010.D

Acq: 20 Apr 2018 15:52

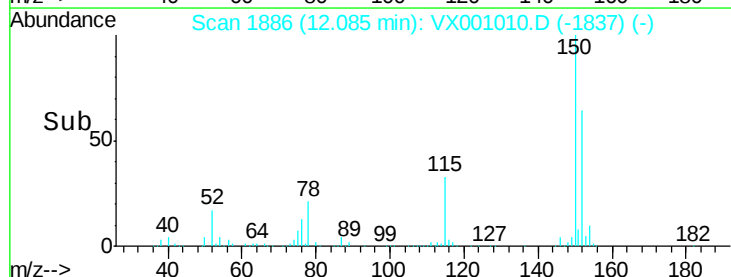
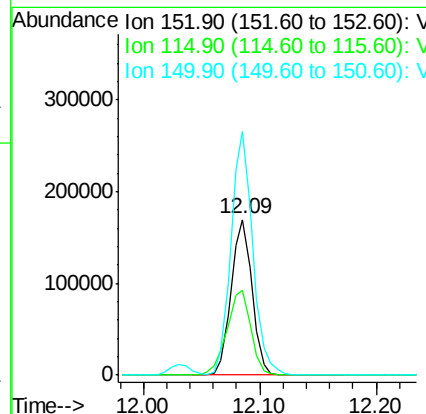
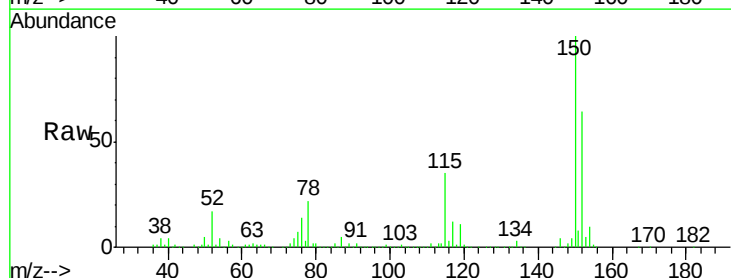
Tgt Ion:152 Resp: 210184

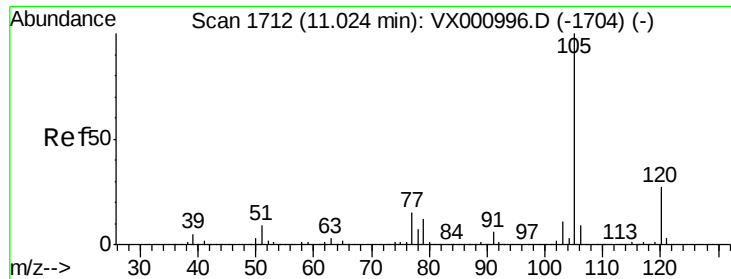
Ion Ratio Lower Upper

152 100

115 62.0 38.2 114.6

150 162.6 0.0 350.4





#73

Isopropylbenzene

Concen: 19.42 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX001010.D

Acq: 20 Apr 2018 15:52

Instrument :

MSVOA_X

ClientSampleId :

VX0420MBSD01

Tgt Ion: 105 Resp: 266859

Ion Ratio Lower Upper

105 100

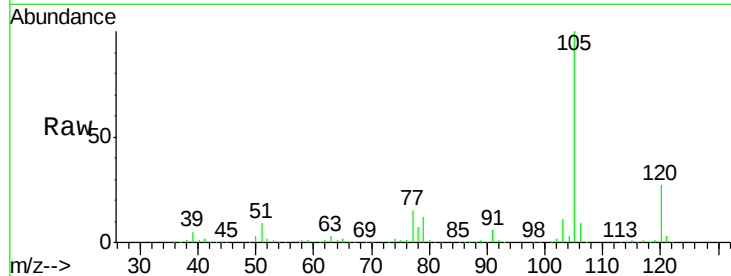
120 26.7 13.4 40.2

Manual Integrations

APPROVED

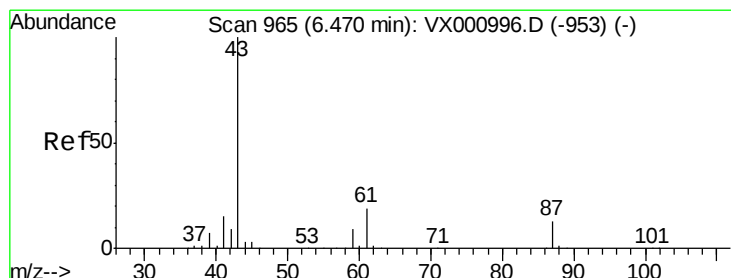
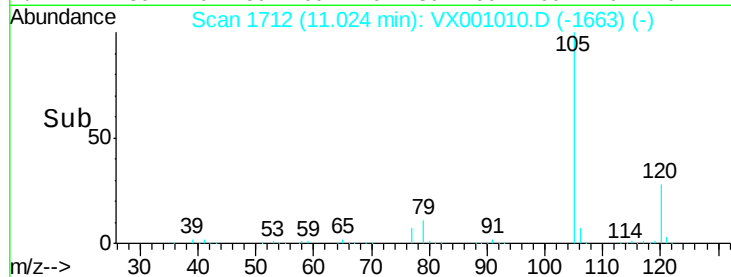
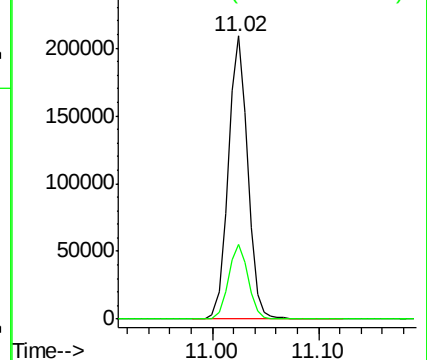
MMDadoda

4/23/2018 1:27:40 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.53 ug/l

RT: 6.48 min Scan# 966

Delta R.T. 0.01 min

Lab File: VX001010.D

Acq: 20 Apr 2018 15:52

Tgt Ion: 43 Resp: 114771

Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.1 0.1 0.1

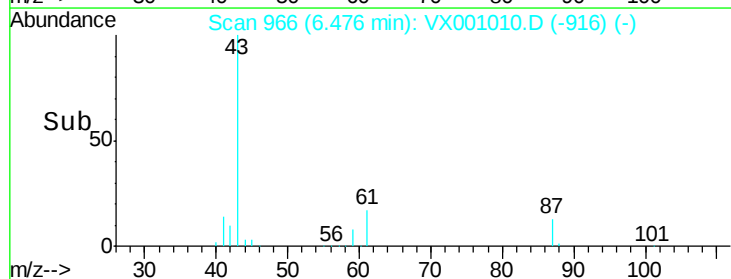
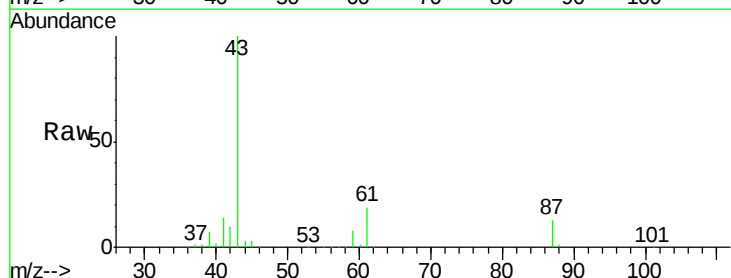
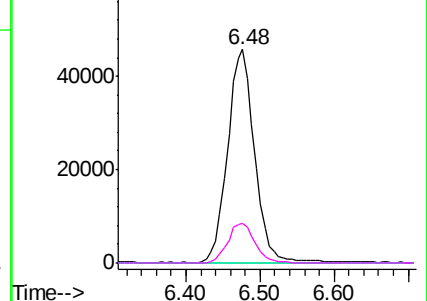
61 18.9 15.4 23.2

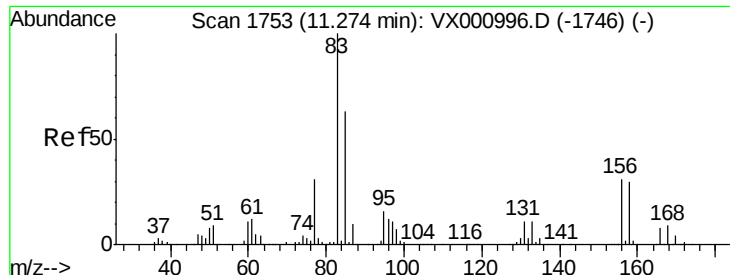
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.65 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX001010.D

Acq: 20 Apr 2018 15:52

Instrument :

MSVOA_X

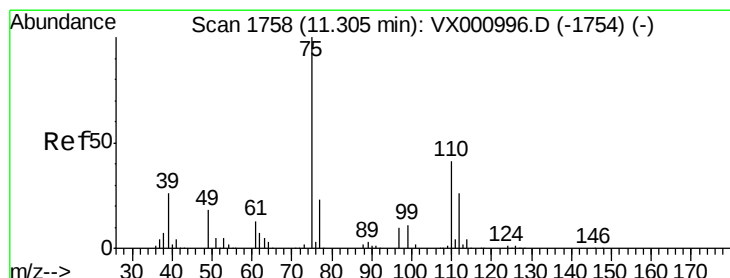
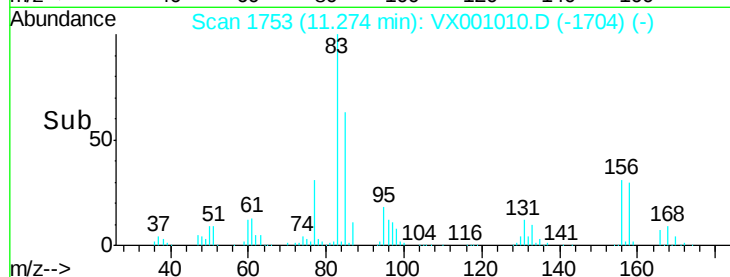
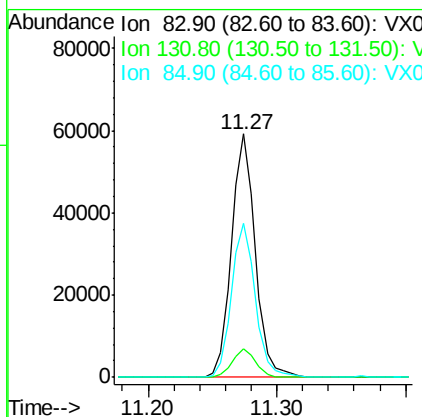
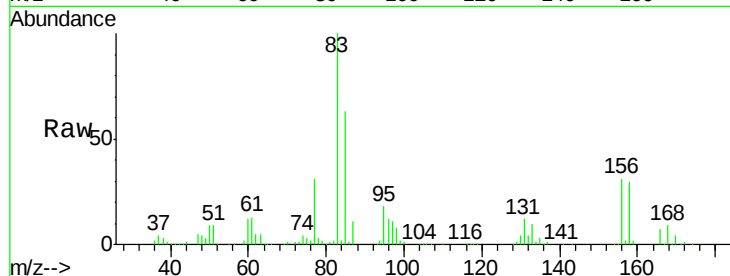
ClientSampleId :

VX0420MBSD01

Tgt Ion:	83	Resp:	76444
Ion Ratio	Lower	Upper	
83	100		
131	11.7	5.8	17.4
85	63.7	32.0	96.2

Manual Integrations
APPROVED

MMDadoda
4/23/2018 1:27:40 PM



#76

1,2,3-Trichloropropane

Concen: 19.48 ug/l m

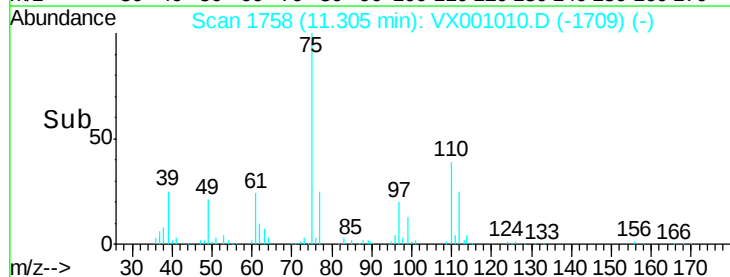
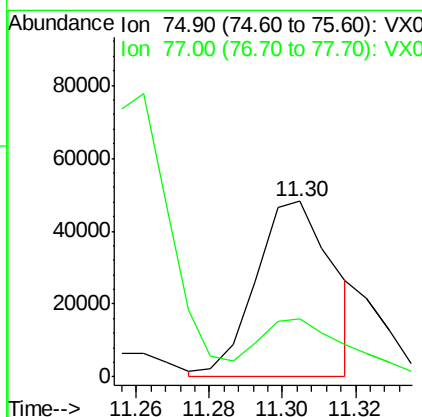
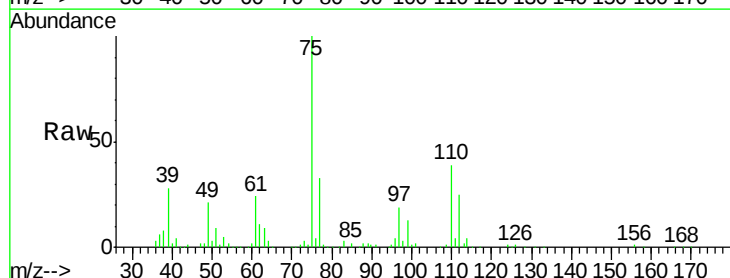
RT: 11.30 min Scan# 1758

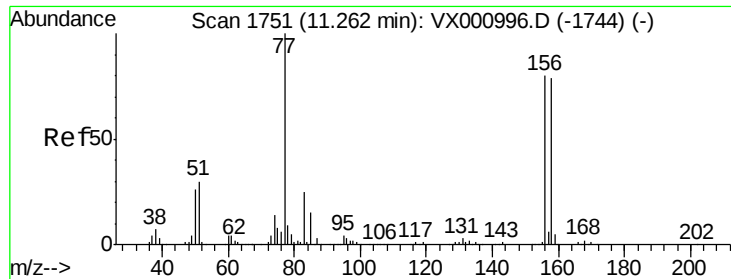
Delta R.T. 0.00 min

Lab File: VX001010.D

Acq: 20 Apr 2018 15:52

Tgt Ion:	75	Resp:	71032
Ion Ratio	Lower	Upper	
75	100		
77	37.9	19.6	58.7





#77

Bromobenzene

Concen: 19.06 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VX001010.D

Acq: 20 Apr 2018 15:52

Instrument :

MSVOA_X

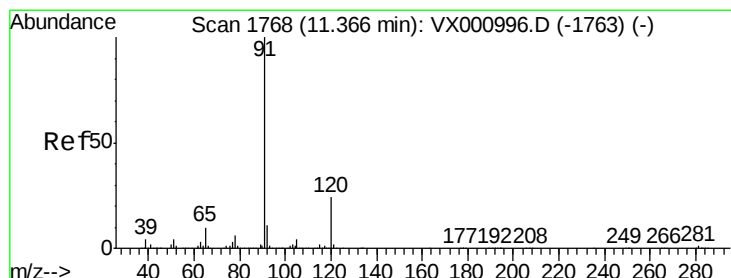
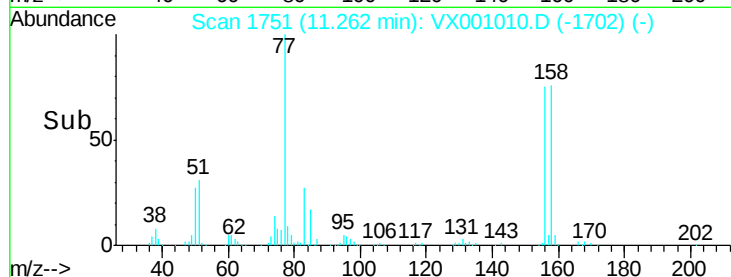
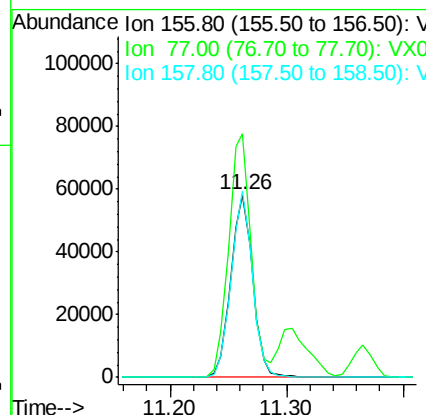
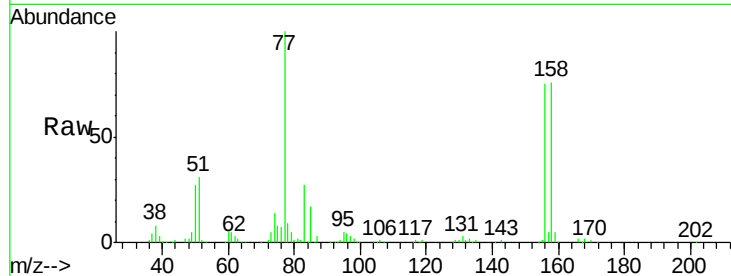
ClientSampleId :

VX0420MBSD01

Tgt Ion:	156	Resp:	76030
Ion Ratio	Lower	Upper	
156	100		
77	136.5	66.3	199.0
158	98.8	48.9	146.6

Manual Integrations
APPROVED

MMDadoda
4/23/2018 1:27:40 PM



#78

n-propylbenzene

Concen: 19.37 ug/l

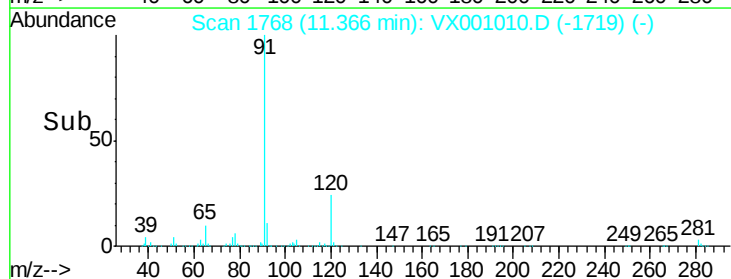
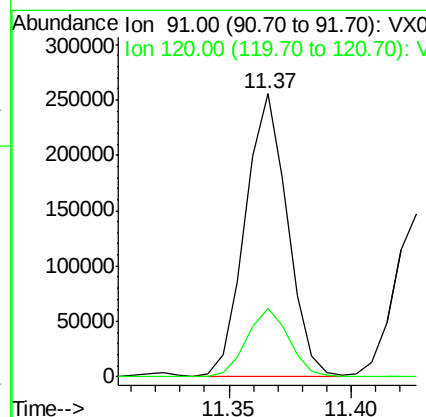
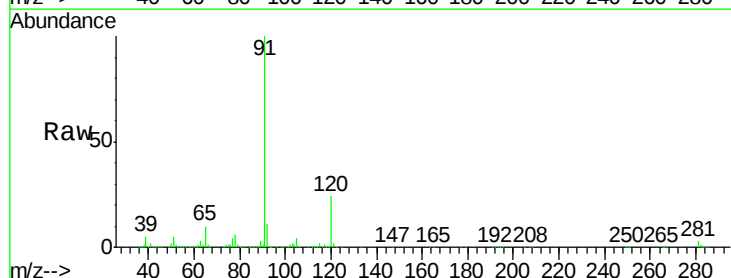
RT: 11.37 min Scan# 1768

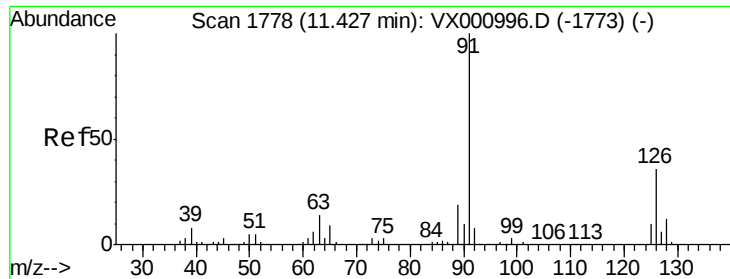
Delta R.T. 0.00 min

Lab File: VX001010.D

Acq: 20 Apr 2018 15:52

Tgt Ion:	91	Resp:	305568
Ion Ratio	Lower	Upper	
91	100		
120	24.5	12.4	37.0





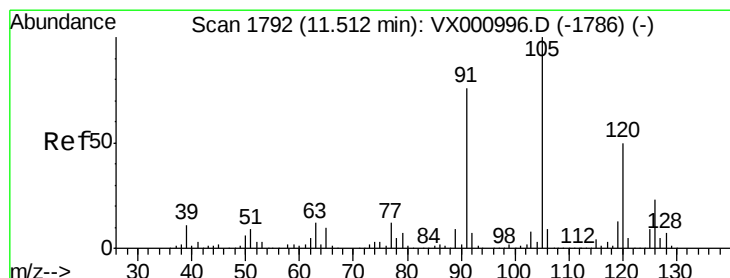
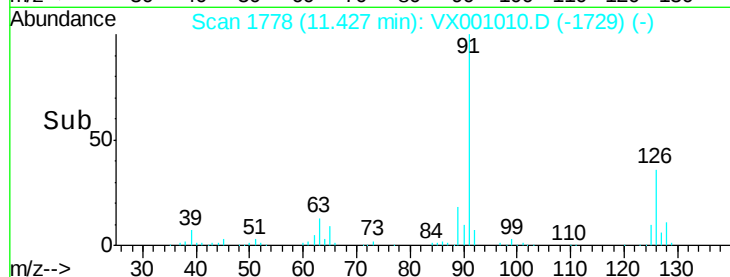
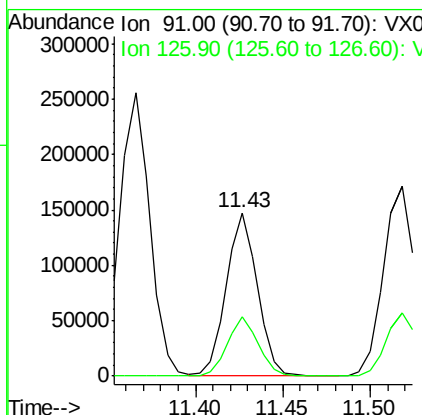
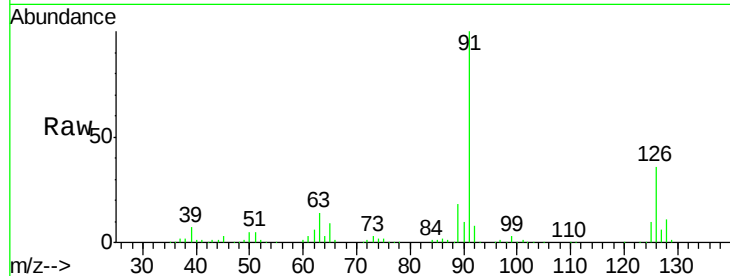
#79
 2-Chlorotoluene
 Concen: 19.37 ug/l
 RT: 11.43 min Scan# 1778
 Delta R.T. 0.00 min
 Lab File: VX001010.D
 Acq: 20 Apr 2018 15:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0420MBSD01

Tgt Ion: 91 Resp: 180551
 Ion Ratio Lower Upper
 91 100
 126 36.1 18.3 54.9

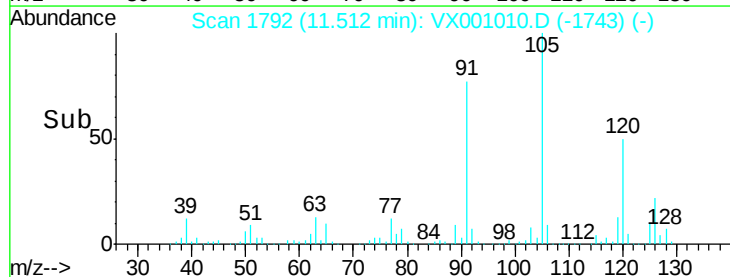
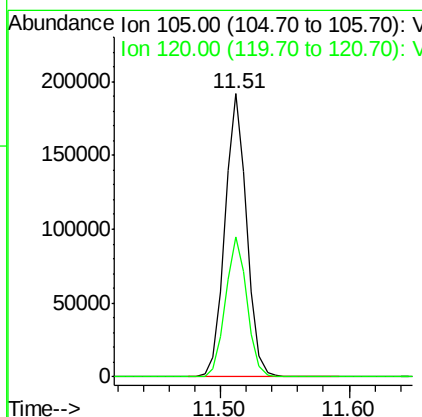
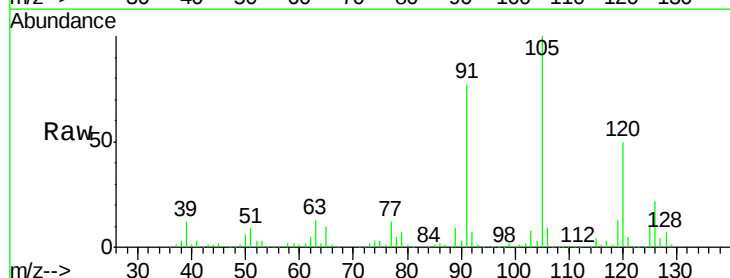
Manual Integrations
 APPROVED

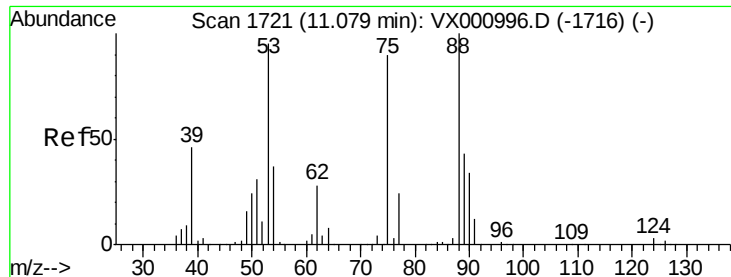
MMDadoda
 4/23/2018 1:27:40 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 19.45 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX001010.D
 Acq: 20 Apr 2018 15:52

Tgt Ion: 105 Resp: 226533
 Ion Ratio Lower Upper
 105 100
 120 49.3 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 17.61 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX001010.D

Acq: 20 Apr 2018 15:52

Instrument :

MSVOA_X

ClientSampleId :

VX0420MBSD01

Tgt Ion: 75 Resp: 18254

Ion Ratio Lower Upper

75 100

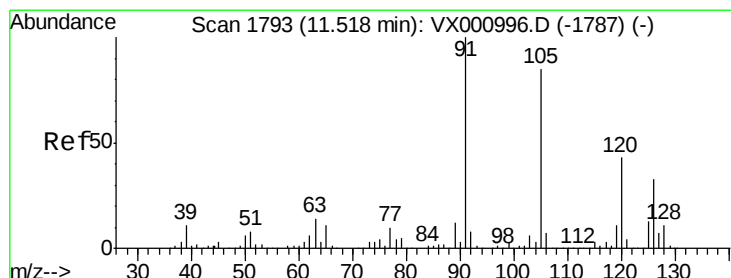
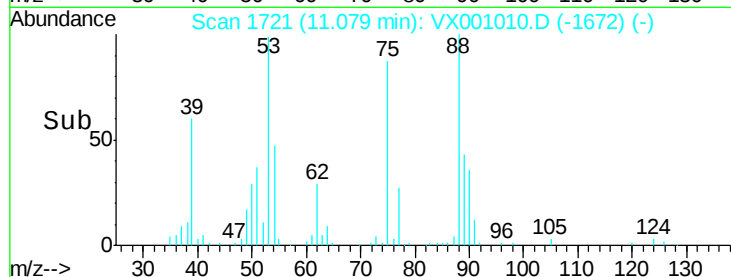
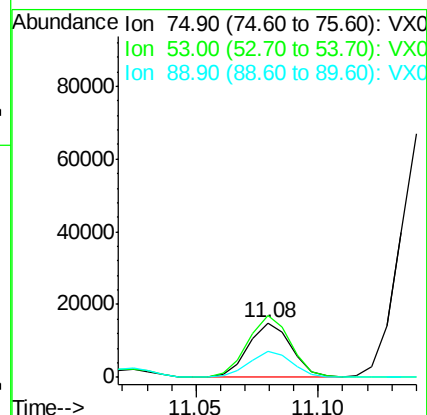
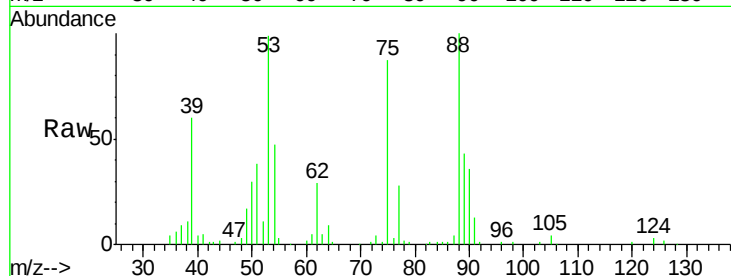
53 113.7 83.4 125.2

89 48.9 39.7 59.5

Manual Integrations
APPROVED

MMDadoda

4/23/2018 1:27:40 PM



#82

4-Chlorotoluene

Concen: 19.13 ug/l

RT: 11.52 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VX001010.D

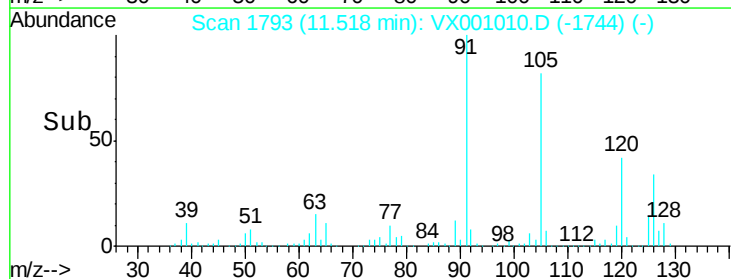
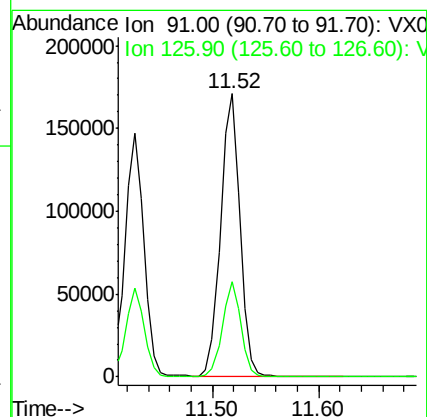
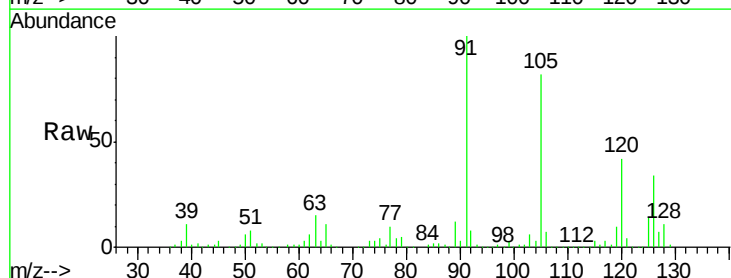
Acq: 20 Apr 2018 15:52

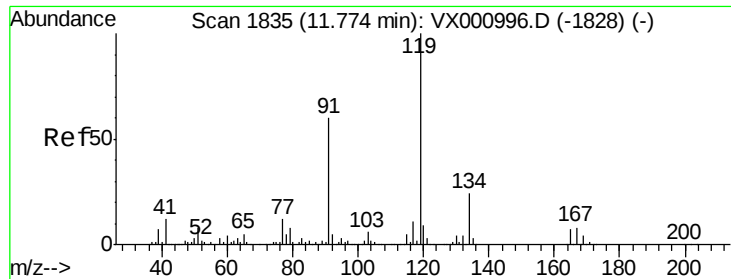
Tgt Ion: 91 Resp: 215495

Ion Ratio Lower Upper

91 100

126 32.2 16.2 48.5





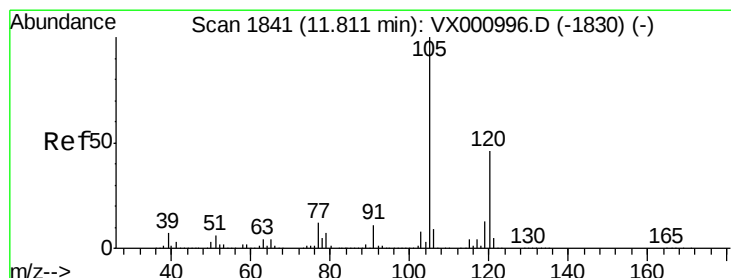
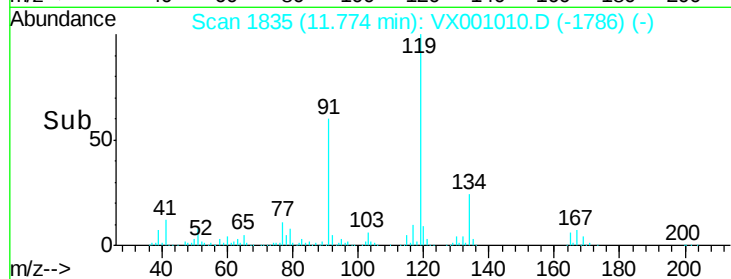
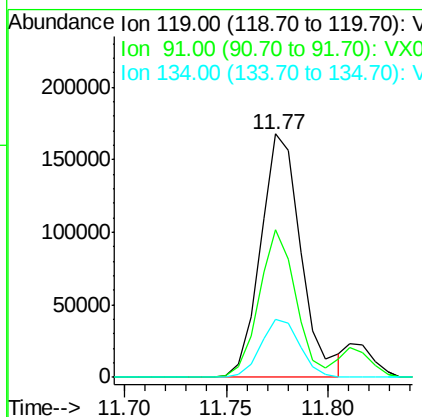
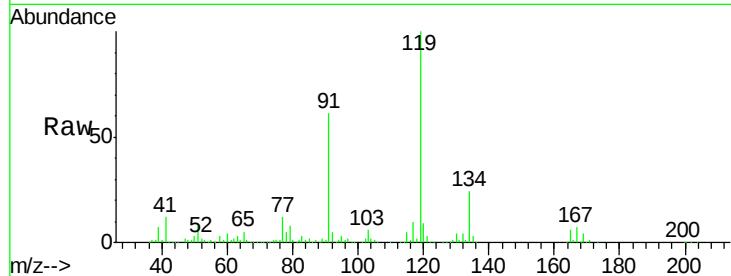
#83
 tert-Butylbenzene
 Concen: 19.68 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX001010.D
 Acq: 20 Apr 2018 15:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0420MBSD01

Tgt Ion	Ratio	Lower	Upper
119	100		
91	55.3	27.0	81.0
134	23.1	11.6	34.7

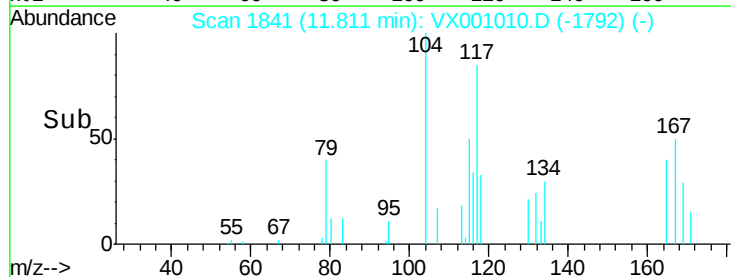
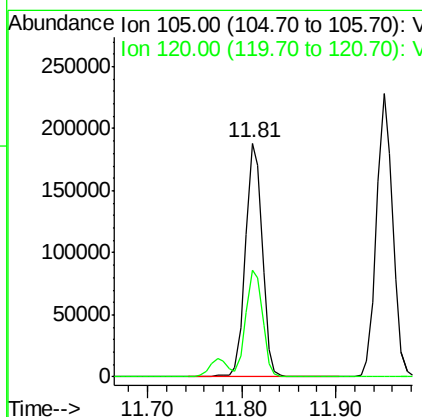
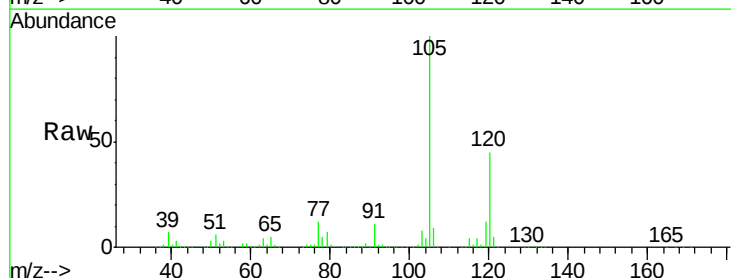
Manual Integrations
 APPROVED

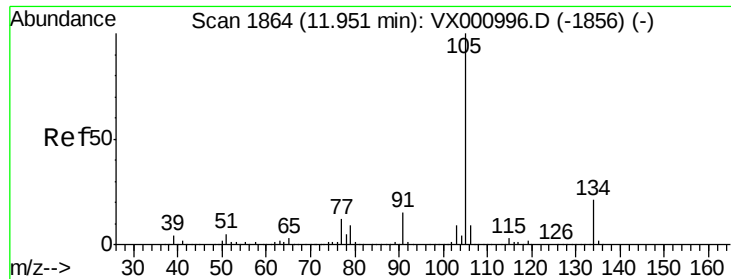
MMDadoda
 4/23/2018 1:27:40 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 19.47 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX001010.D
 Acq: 20 Apr 2018 15:52

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.6	23.0	69.0





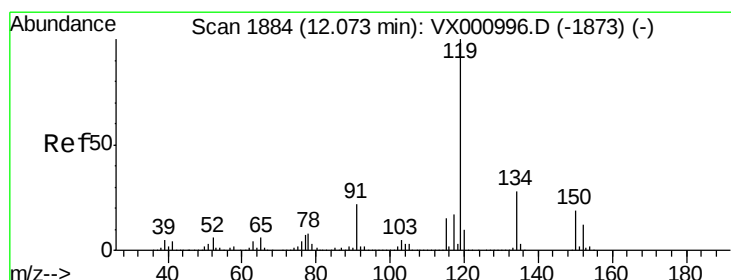
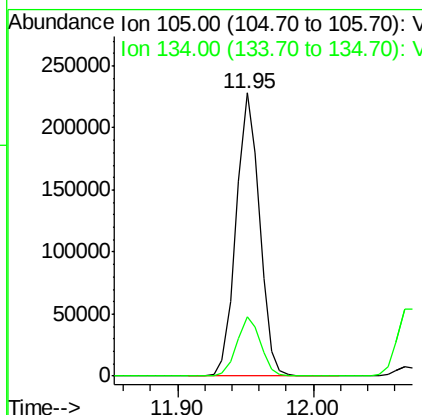
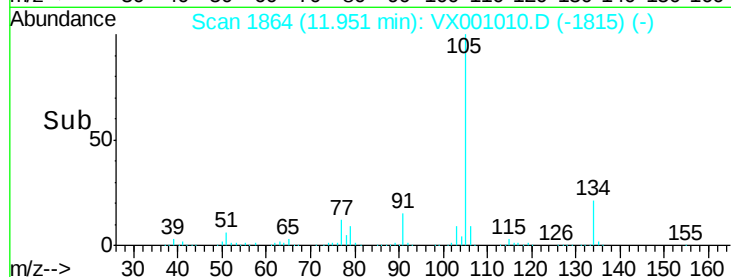
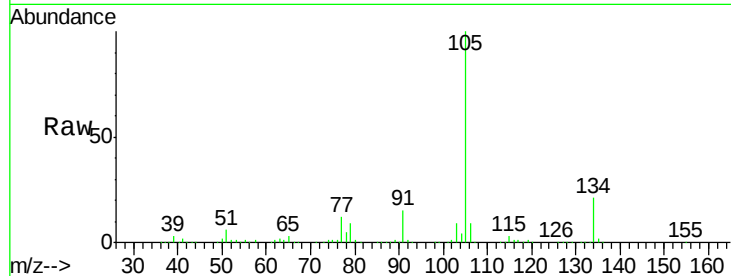
#85
 sec-Butylbenzene
 Concen: 19.41 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. 0.00 min
 Lab File: VX001010.D
 Acq: 20 Apr 2018 15:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0420MBSD01

Tgt Ion	Ratio	Lower	Upper
105	100		
134	21.2	10.5	31.6

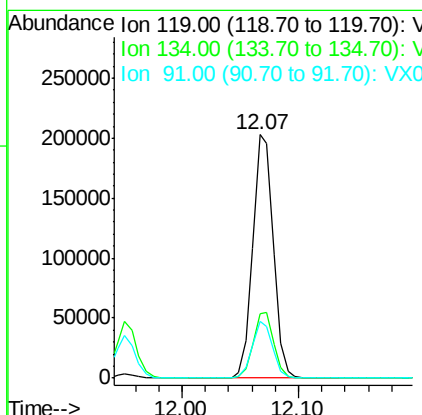
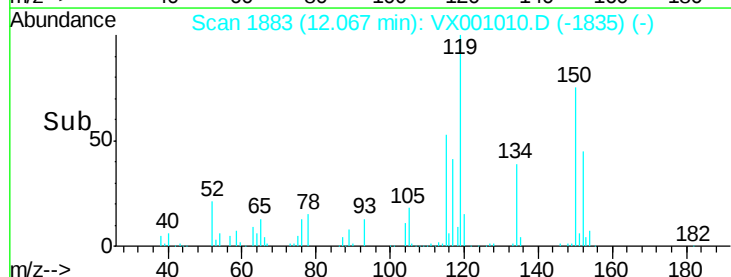
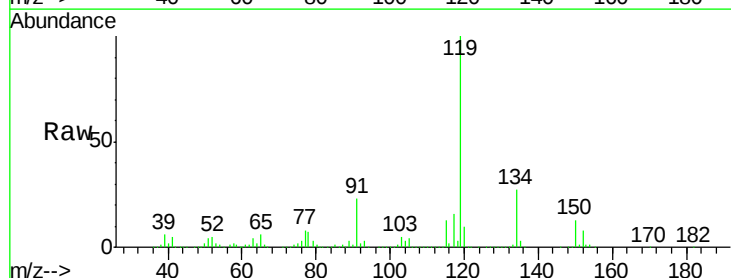
Manual Integrations
 APPROVED

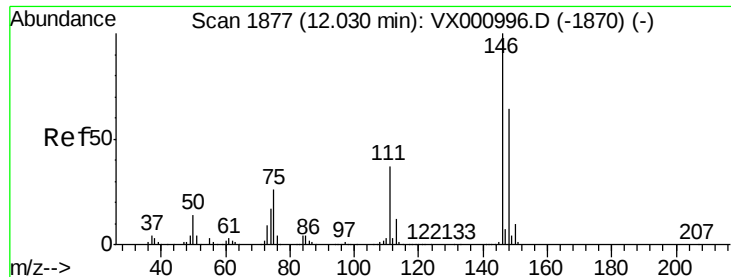
MMDadoda
 4/23/2018 1:27:40 PM



#86
 p-Isopropyltoluene
 Concen: 19.29 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. -0.01 min
 Lab File: VX001010.D
 Acq: 20 Apr 2018 15:52

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.0	13.5	40.5
91	23.1	11.4	34.1





#87

1,3-Dichlorobenzene

Concen: 18.94 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX001010.D

Acq: 20 Apr 2018 15:52

Instrument :

MSVOA_X

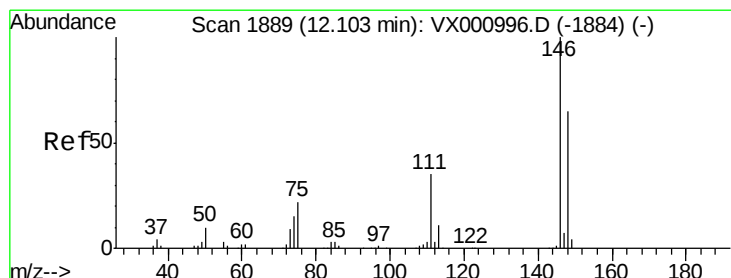
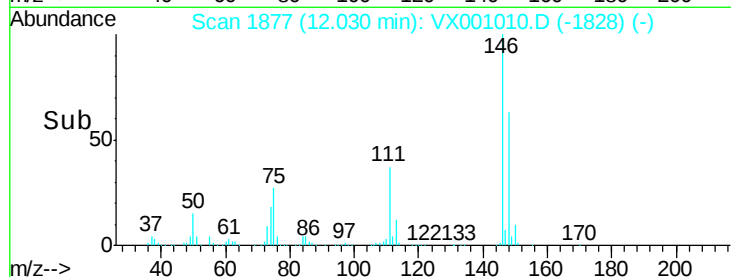
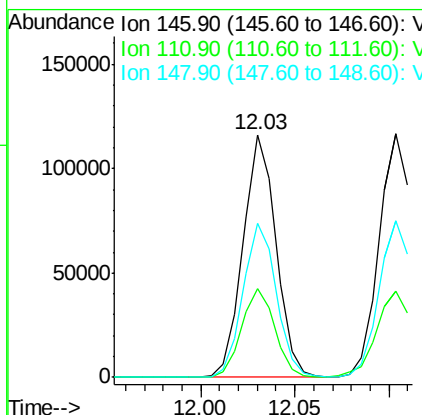
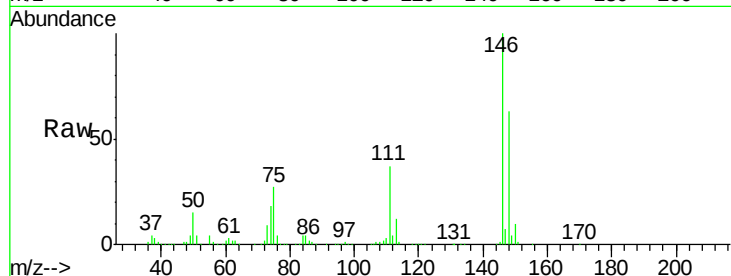
ClientSampleId :

VX0420MBS01

Tgt Ion:	146	Resp:	141452
Ion Ratio	Lower	Upper	
146	100		
111	36.9	18.3	54.8
148	64.1	32.2	96.6

Manual Integrations
APPROVED

MMDadoda
4/23/2018 1:27:40 PM



#88

1,4-Dichlorobenzene

Concen: 19.04 ug/l

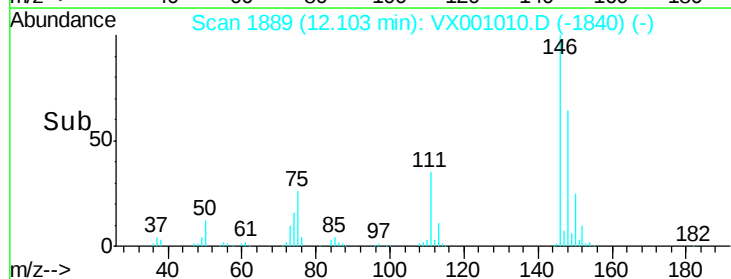
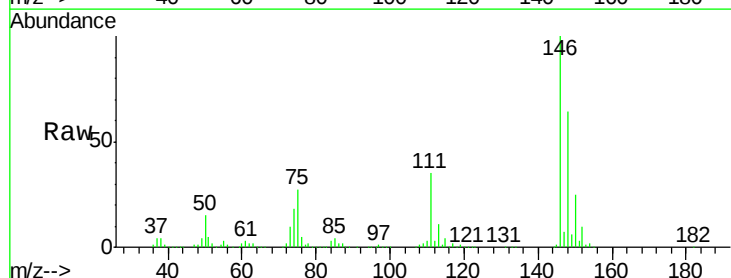
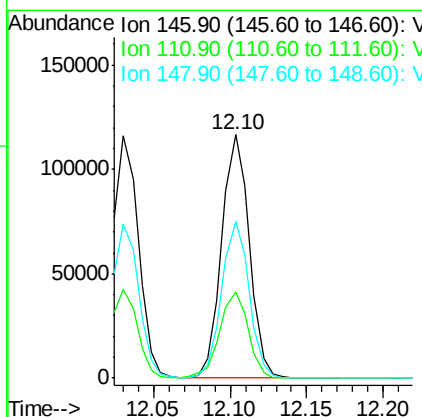
RT: 12.10 min Scan# 1889

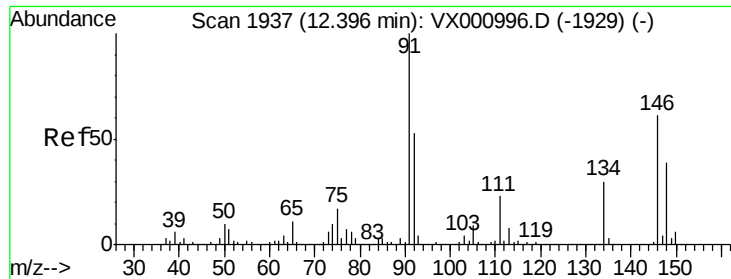
Delta R.T. 0.00 min

Lab File: VX001010.D

Acq: 20 Apr 2018 15:52

Tgt Ion:	146	Resp:	145951
Ion Ratio	Lower	Upper	
146	100		
111	36.7	18.0	54.0
148	64.1	32.4	97.0





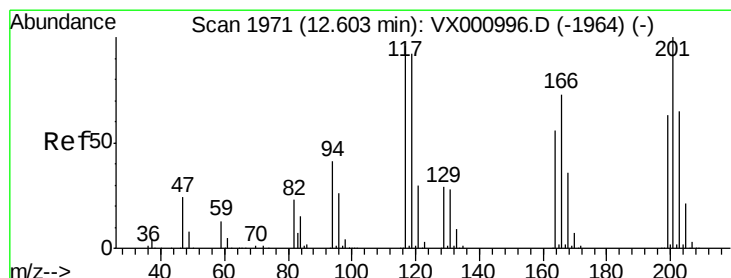
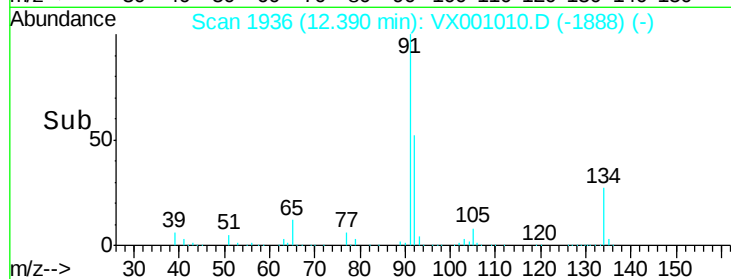
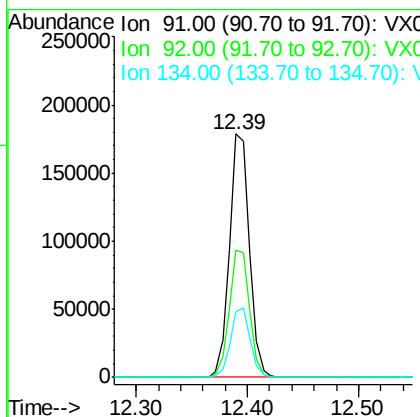
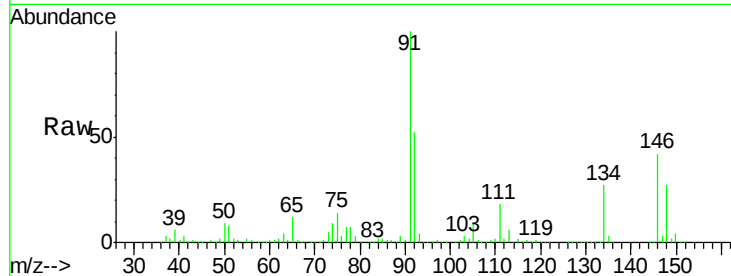
#89
n-Butylbenzene
Concen: 19.04 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.01 min
Lab File: VX001010.D
Acq: 20 Apr 2018 15:52

Instrument :
MSVOA_X
ClientSampleId :
VX0420MBSD01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.3	78.9
134	28.3	14.4	43.0

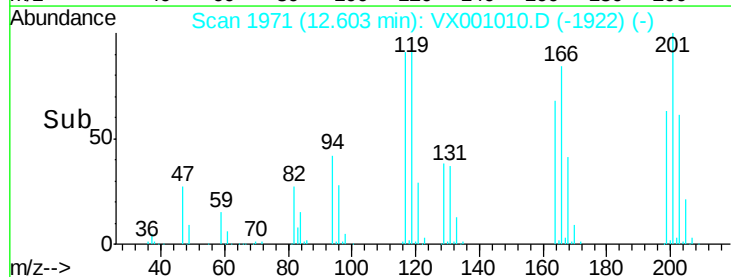
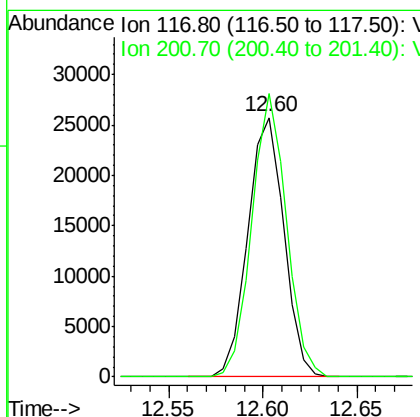
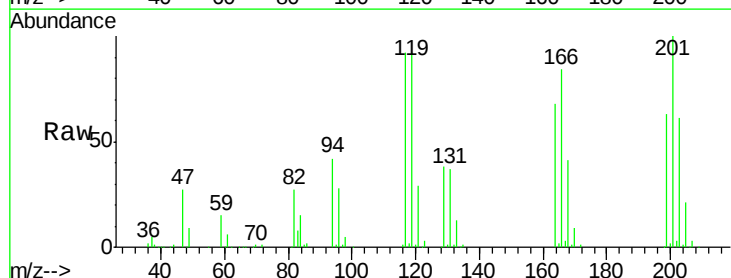
Manual Integrations
APPROVED

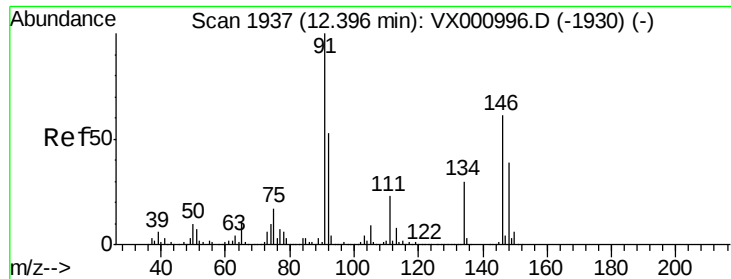
MMDadoda
4/23/2018 1:27:40 PM



#90
Hexachloroethane
Concen: 18.57 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VX001010.D
Acq: 20 Apr 2018 15:52

Tgt Ion	Ratio	Lower	Upper
117	100		
201	104.4	52.3	157.1





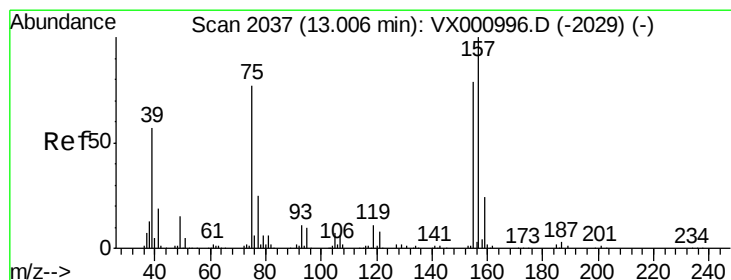
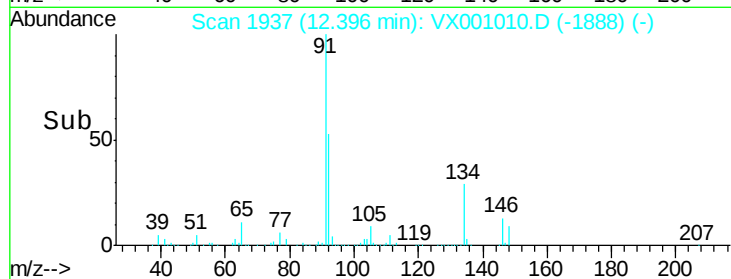
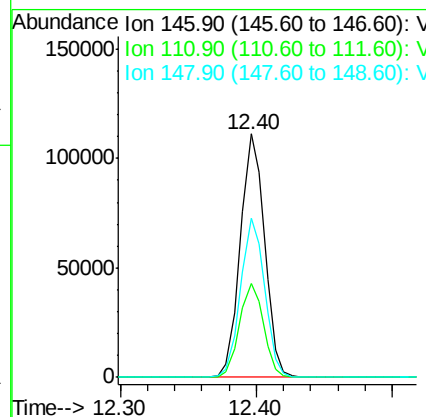
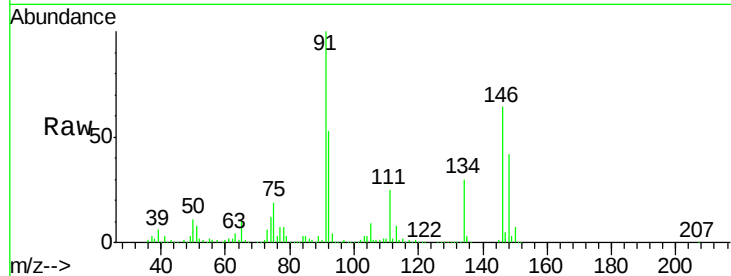
#91
 1,2-Dichlorobenzene
 Concen: 19.16 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX001010.D
 Acq: 20 Apr 2018 15:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0420MBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	138494		
111	38.3	18.6	56.0	
148	64.7	32.3	96.8	

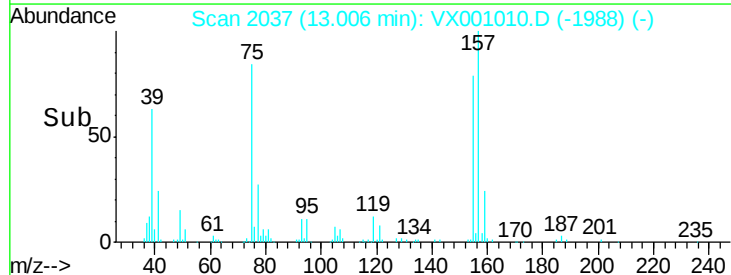
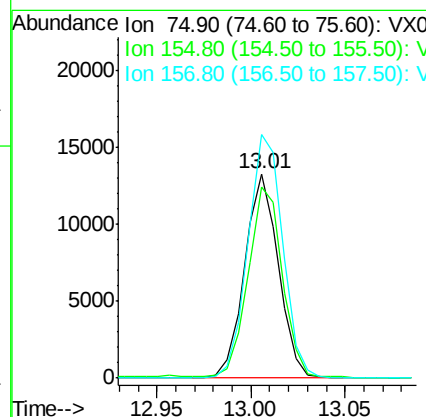
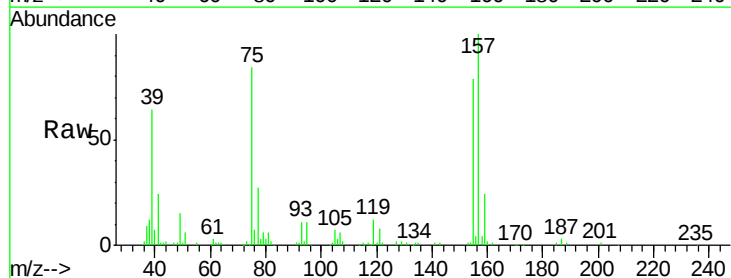
Manual Integrations
 APPROVED

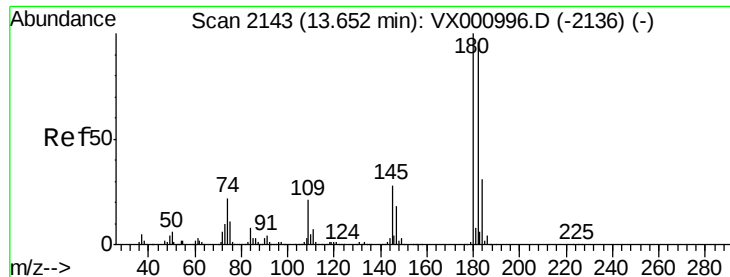
MMDadoda
 4/23/2018 1:27:40 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.09 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX001010.D
 Acq: 20 Apr 2018 15:52

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	16372		
155	96.0	51.0	153.0	
157	123.7	64.9	194.7	





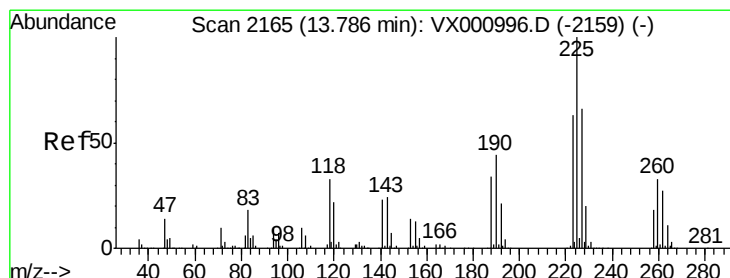
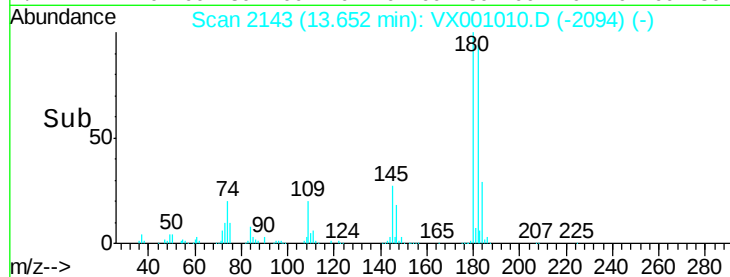
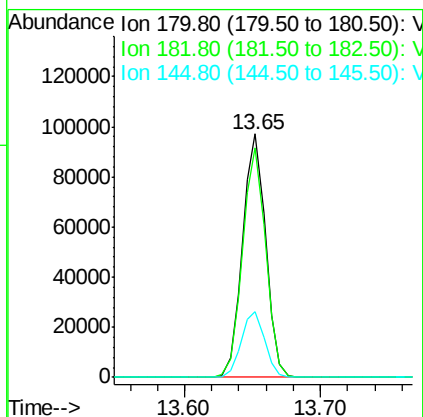
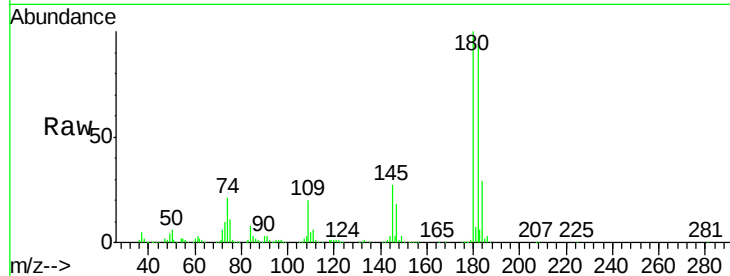
#93
 1,2,4-Trichlorobenzene
 Concen: 18.92 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX001010.D
 Acq: 20 Apr 2018 15:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0420MBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	114818		
182	94.4	48.0	144.0	
145	27.4	13.9	41.7	

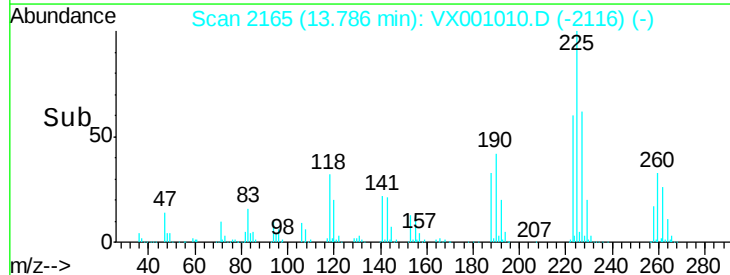
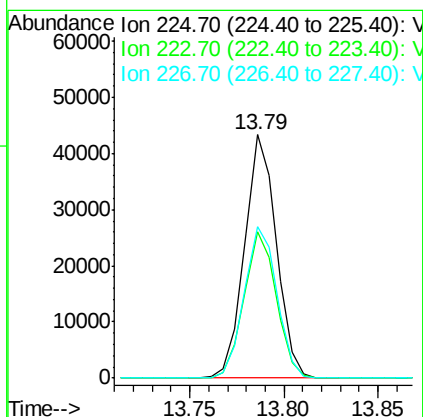
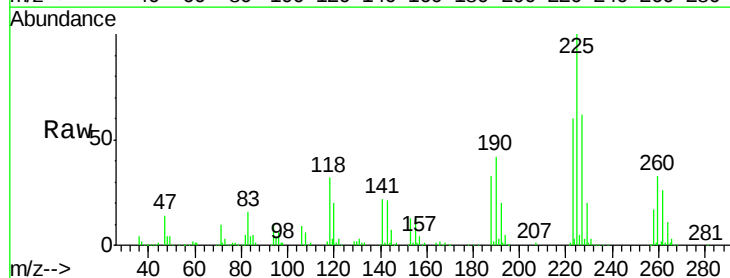
Manual Integrations
 APPROVED

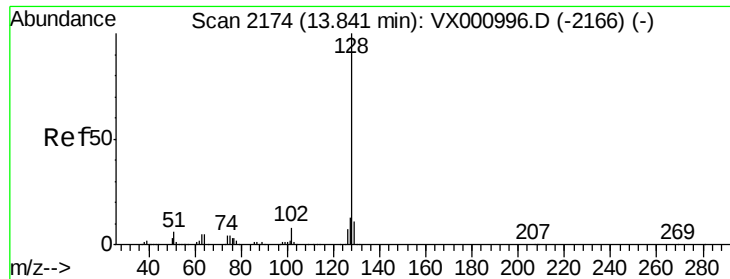
MMDadoda
 4/23/2018 1:27:40 PM



#94
 Hexachlorobutadiene
 Concen: 18.48 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX001010.D
 Acq: 20 Apr 2018 15:52

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	50738		
223	61.3	31.5	94.5	
227	64.0	32.6	97.8	





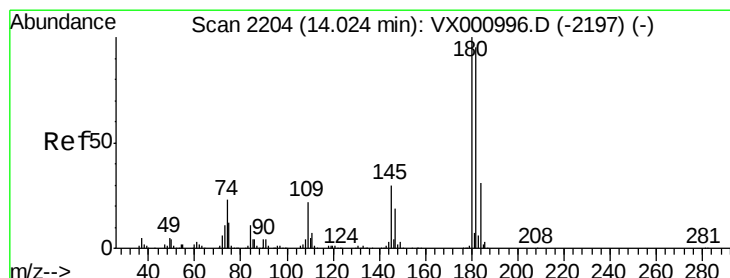
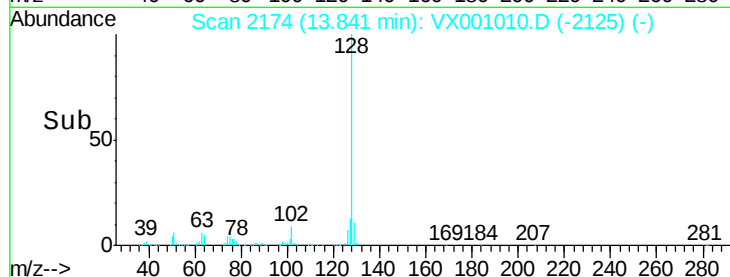
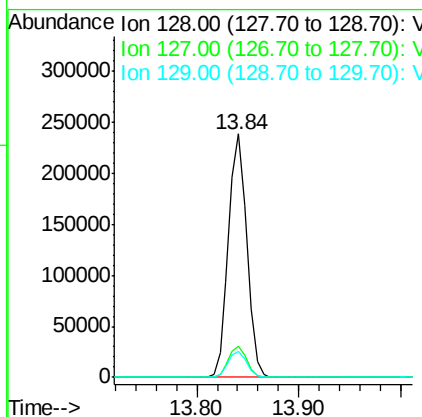
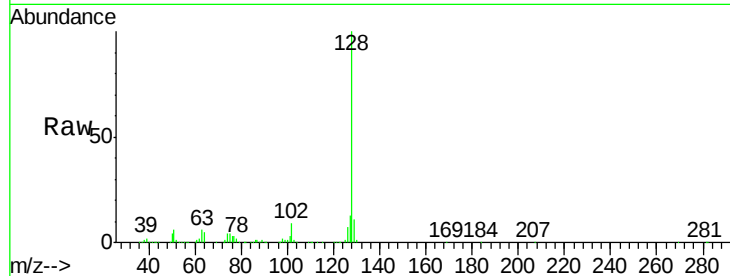
#95
Naphthalene
Concen: 19.91 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.00 min
Lab File: VX001010.D
Acq: 20 Apr 2018 15:52

Instrument :
MSVOA_X
ClientSampleId :
VX0420MBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	297069		
127	13.0		10.2	15.4
129	10.9		8.7	13.1

Manual Integrations
APPROVED

MMDadoda
4/23/2018 1:27:40 PM



#96
1,2,3-Trichlorobenzene
Concen: 18.99 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VX001010.D
Acq: 20 Apr 2018 15:52

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	111433		
182	95.2		47.9	143.7
145	29.1		14.5	43.6

