

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080718\
 Data File : VX003881.D
 Acq On : 07 Aug 2018 15:12
 Operator : JC/MD
 Sample : VX0807WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0807WBSD01

Manual Integrations
 APPROVED

MMDadoda
 8/8/2018 12:01:23 PM

Quant Time: Aug 08 01:57:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080618W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 07:45:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	348501	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	510760	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	478489	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	252026	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	239915	51.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.86%	
35) Dibromofluoromethane	5.51	113	195398	50.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.00%	
50) Toluene-d8	8.72	98	771694	51.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.56%	
62) 4-Bromofluorobenzene	11.14	95	280558	57.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	70766	20.04	ug/l	99
3) Chloromethane	1.32	50	90127	18.76	ug/l	98
4) Vinyl Chloride	1.40	62	92073	19.21	ug/l	98
5) Bromomethane	1.64	94	58774	20.86	ug/l	99
6) Chloroethane	1.72	64	66726	21.76	ug/l	98
7) Trichlorofluoromethane	1.93	101	121217	19.16	ug/l	97
8) Diethyl Ether	2.19	74	54907	19.31	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.38	101	74953	18.95	ug/l	100
10) Methyl Iodide	2.51	142	90583	18.41	ug/l	100
11) Tert butyl alcohol	3.07	59	110360	99.41	ug/l	99
12) 1,1-Dichloroethene	2.37	96	71810	19.20	ug/l	94
13) Acrolein	2.29	56	56518	94.85	ug/l	100
14) Allyl chloride	2.73	41	139823	19.39	ug/l	99
15) Acrylonitrile	3.15	53	258747	97.68	ug/l	100
16) Acetone	2.45	43	288361	104.92	ug/l	99
17) Carbon Disulfide	2.57	76	193141	18.50	ug/l	99
18) Methyl Acetate	2.78	43	119940	20.04	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	258390	19.49	ug/l	100
20) Methylene Chloride	2.86	84	86175	18.76	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	78251	18.43	ug/l	97
22) Diisopropyl ether	3.87	45	251362	18.96	ug/l	98
23) Vinyl Acetate	3.82	43	1070043	97.03	ug/l	100
24) 1,1-Dichloroethane	3.70	63	153265	19.47	ug/l	99
25) 2-Butanone	4.71	43	414777	100.38	ug/l	99
26) 2,2-Dichloropropane	4.59	77	114480	20.16	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	87807	19.06	ug/l	99
28) Bromochloromethane	5.02	49	68404	20.30	ug/l	99
29) Tetrahydrofuran	5.17	42	206845	97.39	ug/l	99
30) Chloroform	5.21	83	146453	19.76	ug/l	100
31) Cyclohexane	5.57	56	125037	18.78	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	121947	19.62	ug/l	99
36) 1,1-Dichloropropene	5.80	75	108122	18.90	ug/l	99
37) Ethyl Acetate	4.87	43	121813	19.36	ug/l	99
38) Carbon Tetrachloride	5.78	117	103941	19.09	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080718\
 Data File : VX003881.D
 Acq On : 07 Aug 2018 15:12
 Operator : JC/MD
 Sample : VX0807WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0807WBSD01

Manual Integrations
 APPROVED

MMDadoda
 8/8/2018 12:01:23 PM

Quant Time: Aug 08 01:57:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080618W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 07:45:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	124386	18.44	ug/l	99
40) Benzene	6.14	78	334861	19.49	ug/l	100
41) Methacrylonitrile	5.07	41	67081	19.36	ug/l	99
42) 1,2-Dichloroethane	6.20	62	114038	19.63	ug/l	100
43) Isopropyl Acetate	6.47	43	181010	19.11	ug/l	100
44) Trichloroethene	7.21	130	87619	18.65	ug/l	94
45) 1,2-Dichloropropane	7.52	63	85886	19.36	ug/l	100
46) Dibromomethane	7.67	93	55290	19.20	ug/l	99
47) Bromodichloromethane	7.90	83	104193	19.21	ug/l	99
48) Methyl methacrylate	7.78	41	93595	19.44	ug/l	99
49) 1,4-Dioxane	7.76	88	45406	400.42	ug/l	100
51) 4-Methyl-2-Pentanone	8.65	43	785617	100.09	ug/l	100
52) Toluene	8.79	92	213330	19.65	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	114984	18.75	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	128254	19.40	ug/l	100
55) 1,1,2-Trichloroethane	9.22	97	87073	19.63	ug/l	99
56) Ethyl methacrylate	9.18	69	120262	18.69	ug/l	99
57) 1,3-Dichloropropane	9.37	76	144955	19.53	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	320420	101.26	ug/l	100
59) 2-Hexanone	9.50	43	610829	104.11	ug/l	99
60) Dibromochloromethane	9.59	129	81241	19.65	ug/l	100
61) 1,2-Dibromoethane	9.68	107	90165	20.30	ug/l	97
64) Tetrachloroethene	9.34	164	83674	17.78	ug/l	96
65) Chlorobenzene	10.14	112	234763	18.86	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.23	131	82015	19.16	ug/l	98
67) Ethyl Benzene	10.26	91	388710	19.07	ug/l	99
68) m/p-Xylenes	10.36	106	312464	39.24	ug/l	97
69) o-Xylene	10.70	106	147807	19.66	ug/l	97
70) Styrene	10.71	104	247358	20.10	ug/l	98
71) Bromoform	10.86	173	61697	18.92	ug/l #	99
73) Isopropylbenzene	11.02	105	395843	21.23	ug/l	96
74) N-amyl acetate	6.47	43	181010	18.67	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	134557	21.06	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	119289m	21.43	ug/l	
77) Bromobenzene	11.26	156	104759	21.06	ug/l	99
78) n-propylbenzene	11.36	91	447905	21.39	ug/l	100
79) 2-Chlorotoluene	11.42	91	271392	21.26	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	331507	21.81	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	37158	19.57	ug/l	96
82) 4-Chlorotoluene	11.51	91	316858	21.19	ug/l	100
83) tert-Butylbenzene	11.77	119	326177	21.81	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	340260	22.26	ug/l	100
85) sec-Butylbenzene	11.95	105	371461	21.05	ug/l	99
86) p-Isopropyltoluene	12.07	119	316442	19.98	ug/l	98
87) 1,3-Dichlorobenzene	12.03	146	181501	19.74	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	174752	19.66	ug/l	99
89) n-Butylbenzene	12.39	91	260252	18.86	ug/l	98
90) Hexachloroethane	12.60	117	45258	17.60	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	167422	18.37	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	23925	18.28	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080718\
Data File : VX003881.D
Acq On : 07 Aug 2018 15:12
Operator : JC/MD
Sample : VX0807WBSD01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0807WBSD01

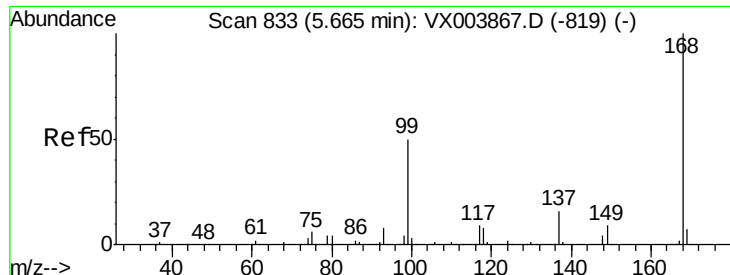
Manual Integrations
APPROVED

MMDadoda
8/8/2018 12:01:23 PM

Quant Time: Aug 08 01:57:11 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080618W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 07 07:45:48 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	132681	20.24	ug/l	99
94) Hexachlorobutadiene	13.79	225	62424	21.83	ug/l	100
95) Naphthalene	13.83	128	411890	21.94	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	139958	21.40	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003881.D

Acq: 07 Aug 2018 15:12

Instrument :

MSVOA_X

ClientSampleId :

VX0807WBSD01

Tot Ion:168 Resp: 348501

Ion Ratio Lower Upper

168 100

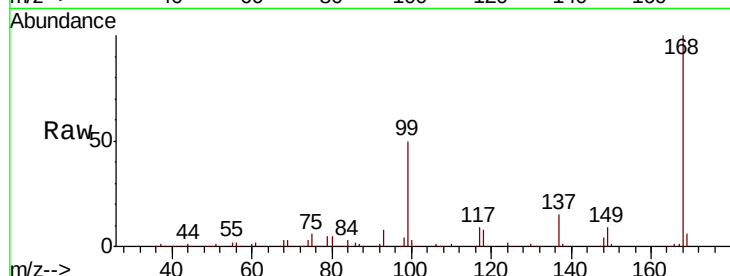
99 50.3 40.1 60.1

Manual Integrations

APPROVED

MMDadoda

8/8/2018 12:01:23 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

150000

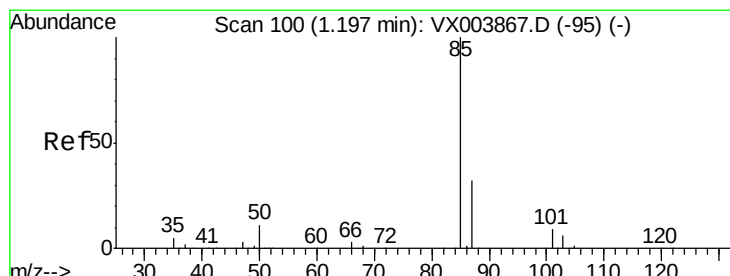
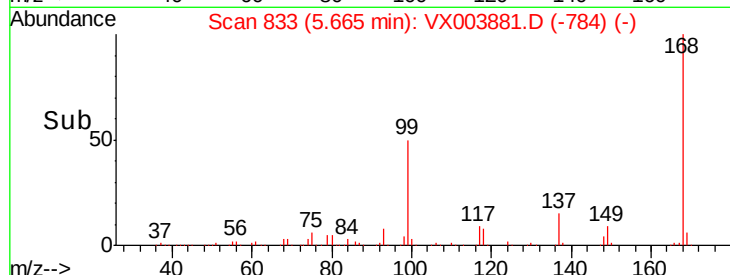
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 20.04 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003881.D

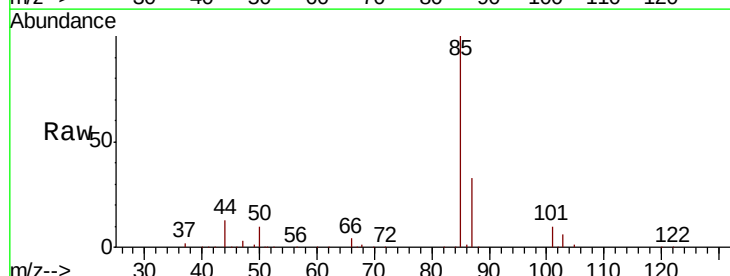
Acq: 07 Aug 2018 15:12

Tgt Ion: 85 Resp: 70766

Ion Ratio Lower Upper

85 100

87 32.6 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

80000

60000

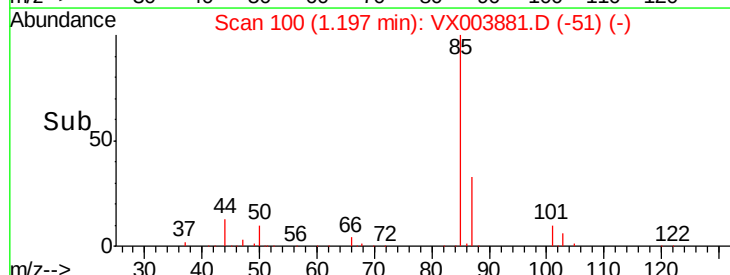
40000

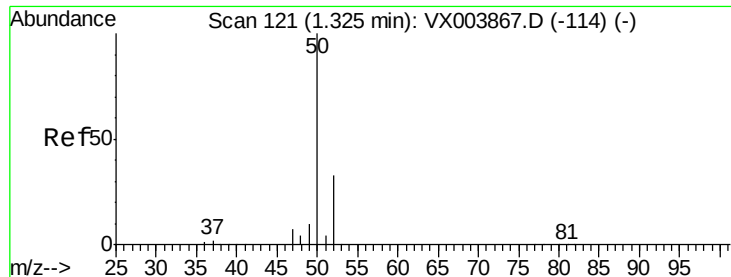
20000

0

Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 18.76 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003881.D

Acq: 07 Aug 2018 15:12

Instrument :

MSVOA_X

ClientSampleId :

VX0807WBSD01

Tot Ion: 50 Resp: 90127

Ion Ratio Lower Upper

50 100

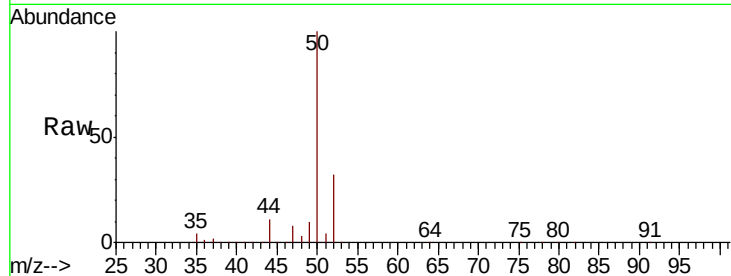
52 32.2 26.6 39.8

Manual Integrations

APPROVED

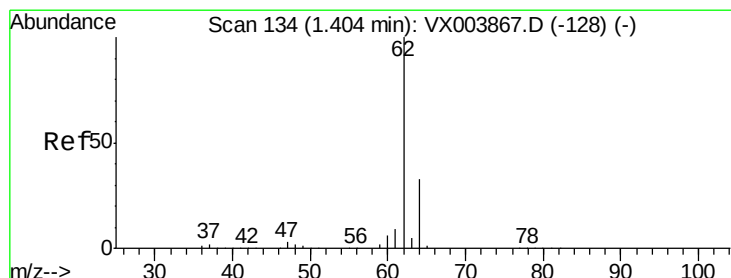
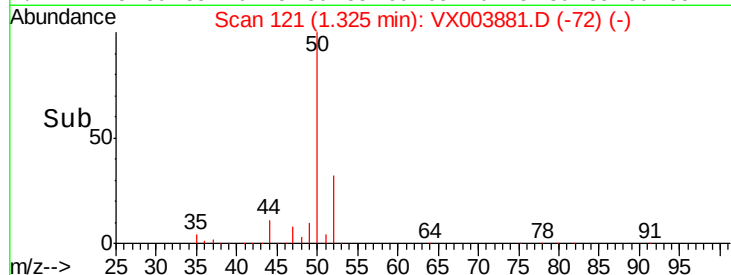
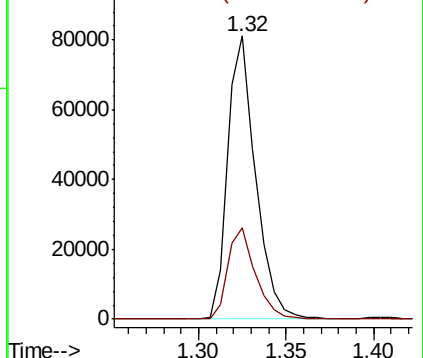
MMDadoda

8/8/2018 12:01:23 PM



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 19.21 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX003881.D

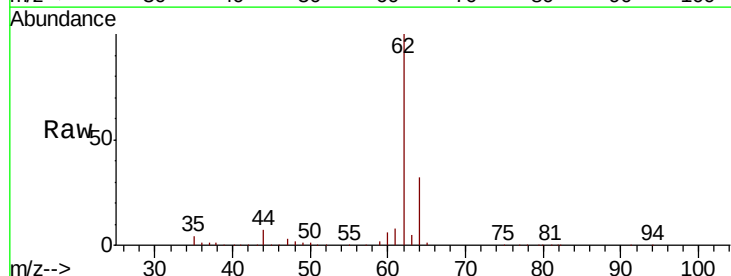
Acq: 07 Aug 2018 15:12

Tgt Ion: 62 Resp: 92073

Ion Ratio Lower Upper

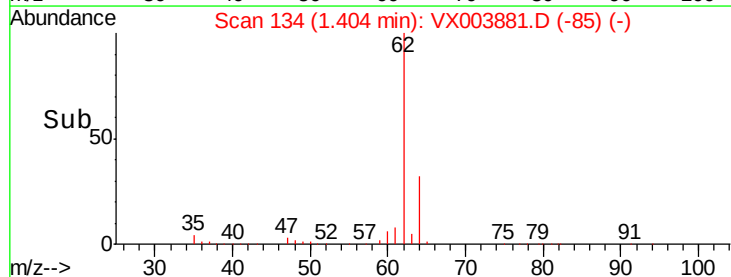
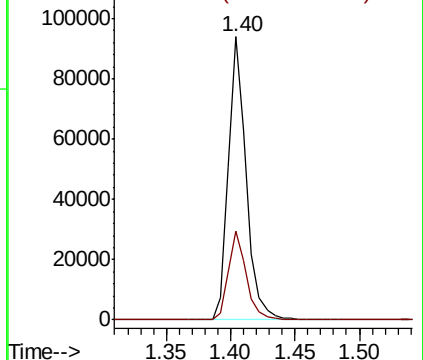
62 100

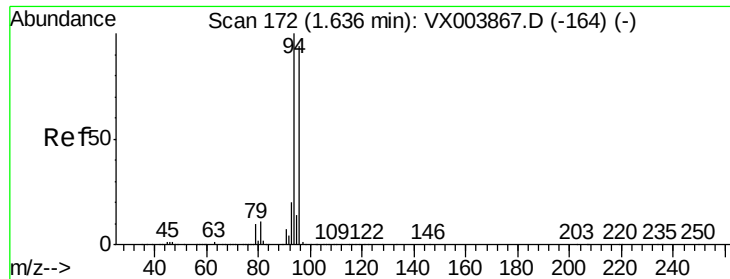
64 31.5 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 20.86 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003881.D

Acq: 07 Aug 2018 15:12

Instrument :

MSVOA_X

ClientSampled :

VX0807WBSD01

Tot Ion: 94 Resp: 58774

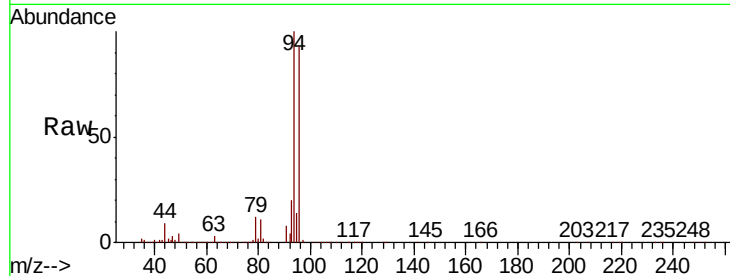
Ion Ratio Lower Upper

94 100

96 93.4 75.2 112.8

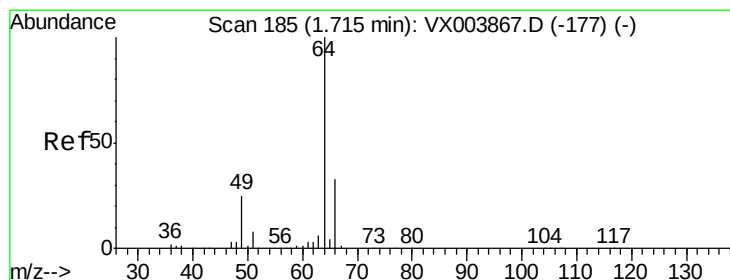
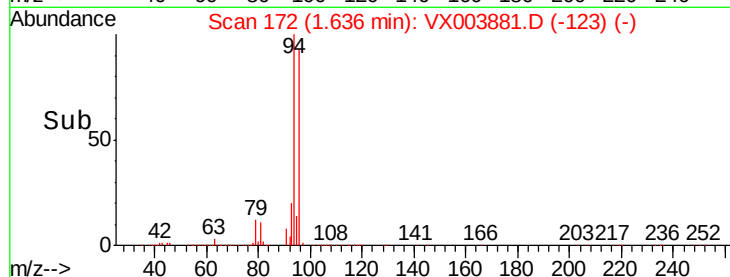
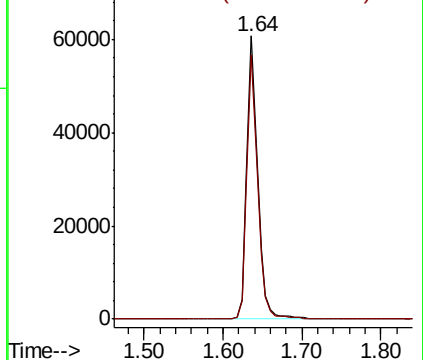
Manual Integrations
APPROVED

MMDadoda
8/8/2018 12:01:23 PM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 21.76 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX003881.D

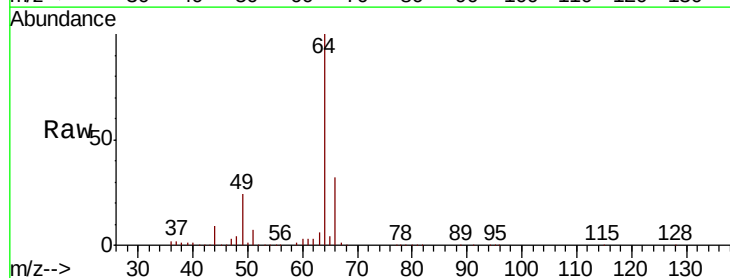
Acq: 07 Aug 2018 15:12

Tgt Ion: 64 Resp: 66726

Ion Ratio Lower Upper

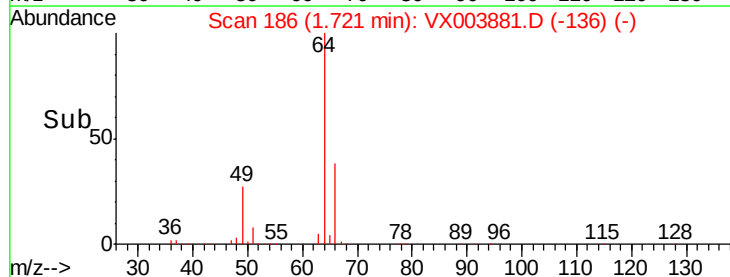
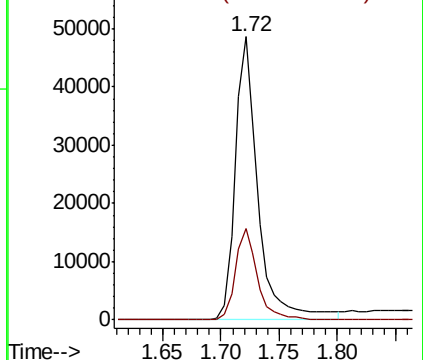
64 100

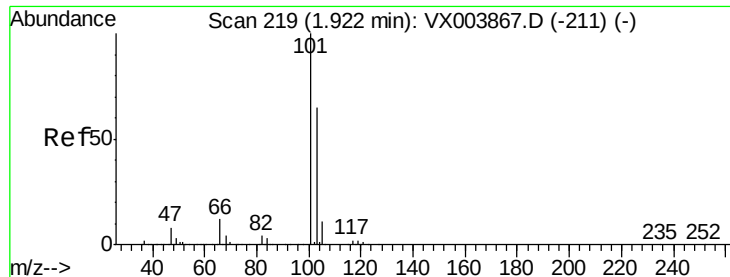
66 32.2 26.5 39.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

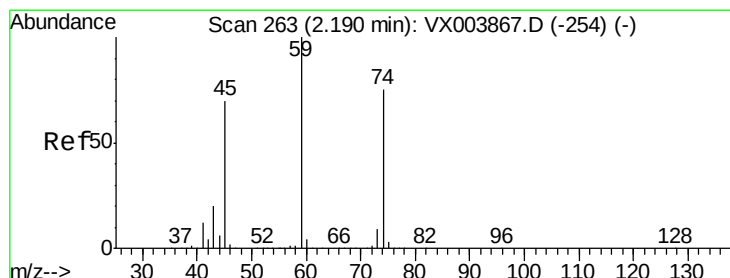
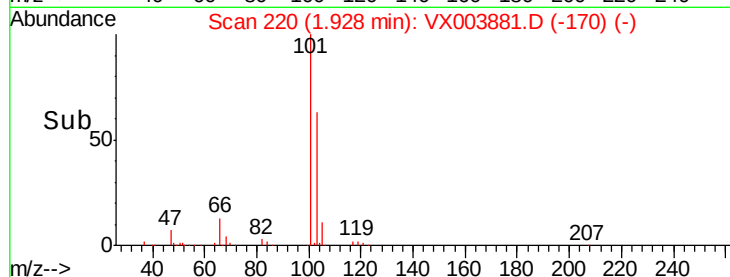
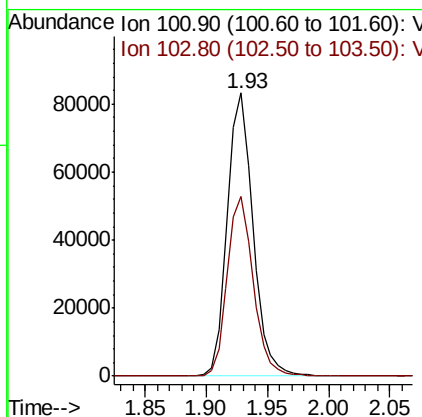
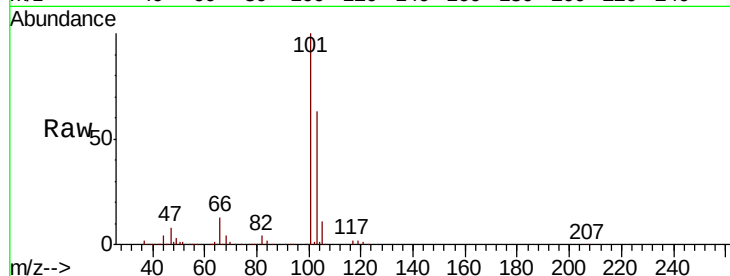
Trichlorofluoromethane
 Concen: 19.16 ug/l
 RT: 1.93 min Scan# 220
 Delta R.T. 0.01 min
 Lab File: VX003881.D
 Acq: 07 Aug 2018 15:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0807WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.3	52.3	78.5

Manual Integrations
 APPROVED

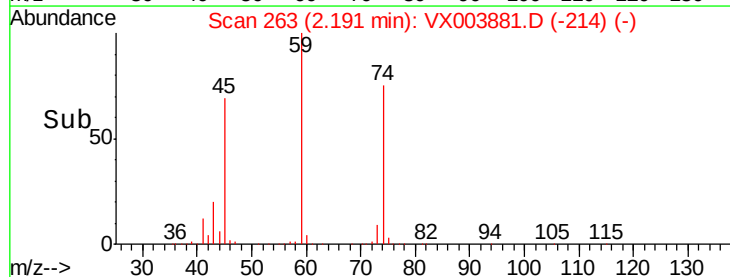
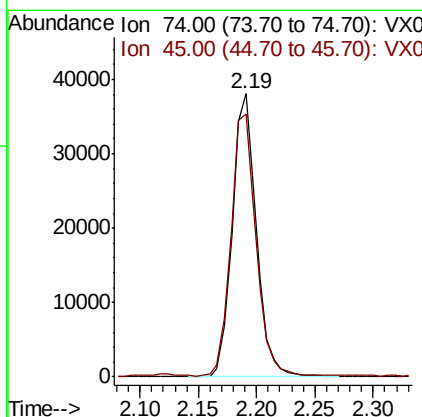
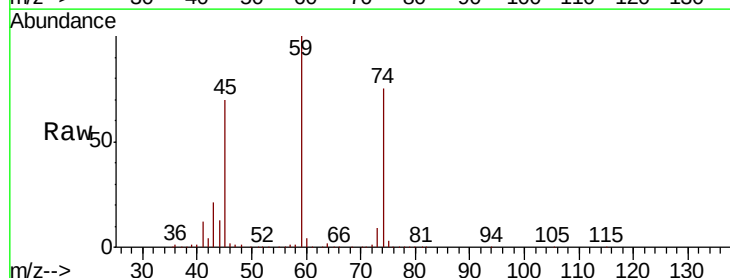
MMDadoda
 8/8/2018 12:01:23 PM

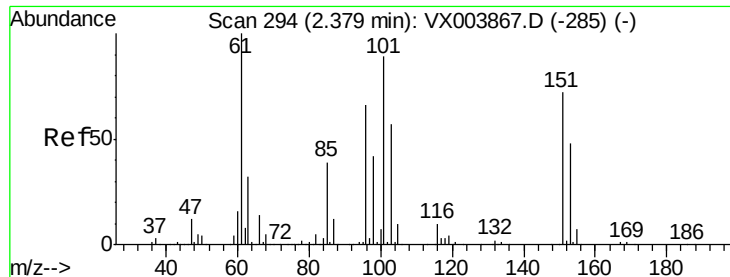


#8

Diethyl Ether
 Concen: 19.31 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.00 min
 Lab File: VX003881.D
 Acq: 07 Aug 2018 15:12

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.2	48.3	144.9





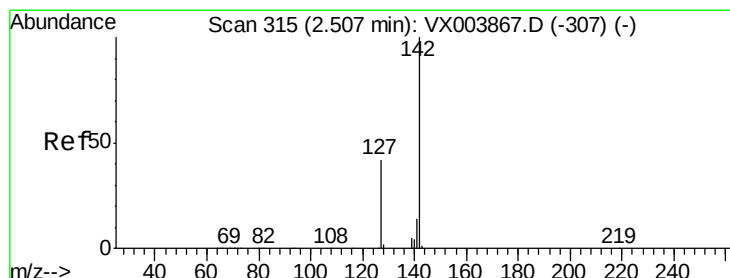
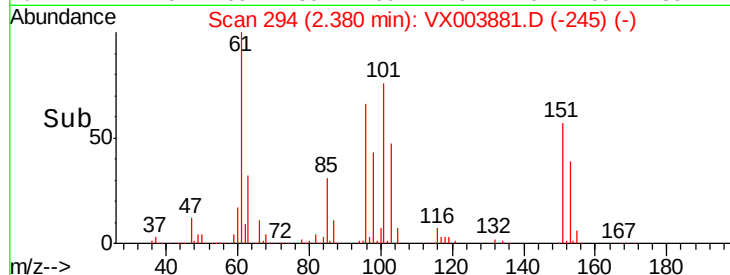
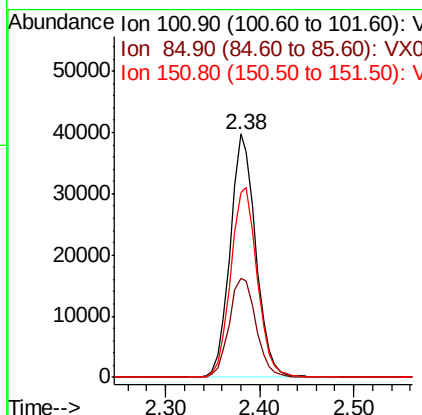
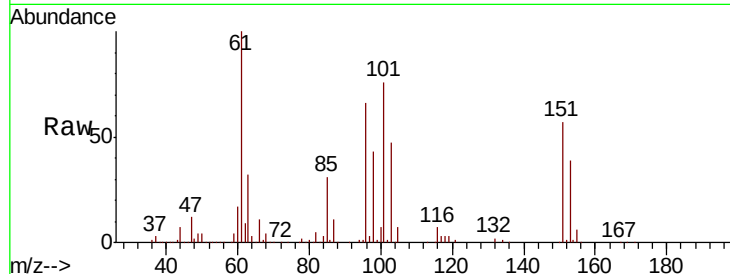
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 18.95 ug/l
 RT: 2.38 min Scan# 294
 Delta R.T. 0.00 min
 Lab File: VX003881.D
 Acq: 07 Aug 2018 15:12

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0807WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
85	43.0	34.2	51.4
151	80.8	65.0	97.4

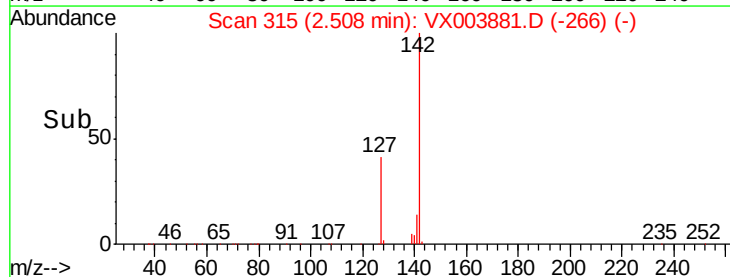
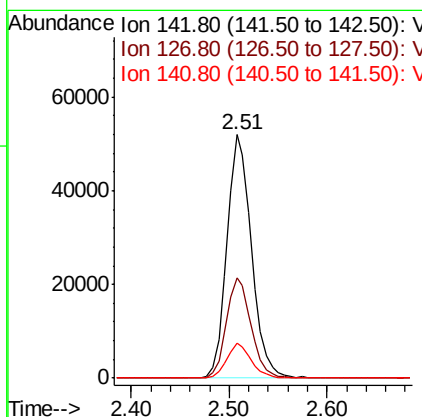
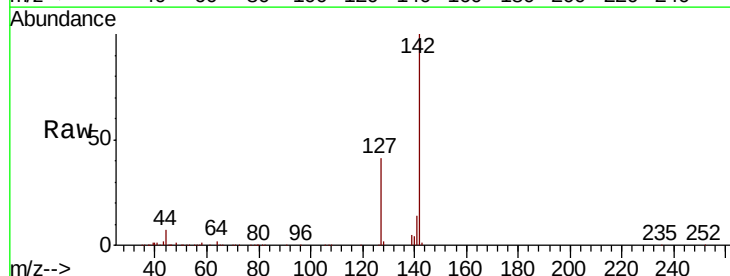
Manual Integrations
 APPROVED

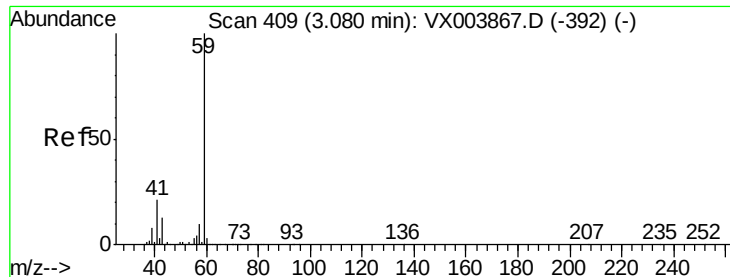
MMDadoda
 8/8/2018 12:01:23 PM



#10
 Methyl Iodide
 Concen: 18.41 ug/l
 RT: 2.51 min Scan# 315
 Delta R.T. 0.00 min
 Lab File: VX003881.D
 Acq: 07 Aug 2018 15:12

Tgt Ion	Ratio	Lower	Upper
142	100		
127	41.3	33.1	49.7
141	14.1	11.1	16.7





#11

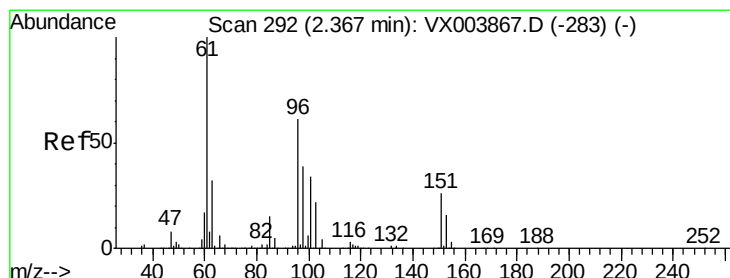
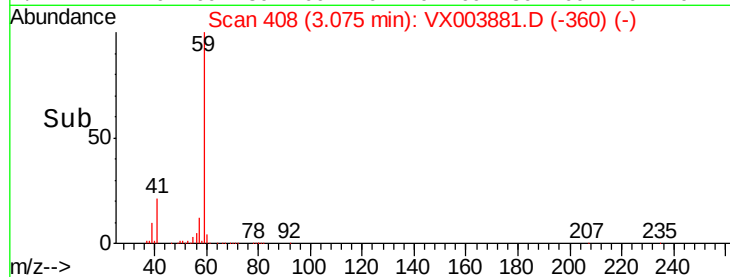
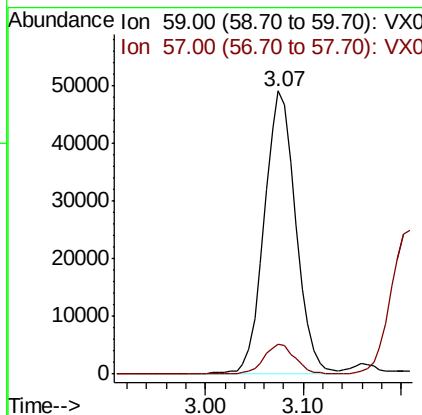
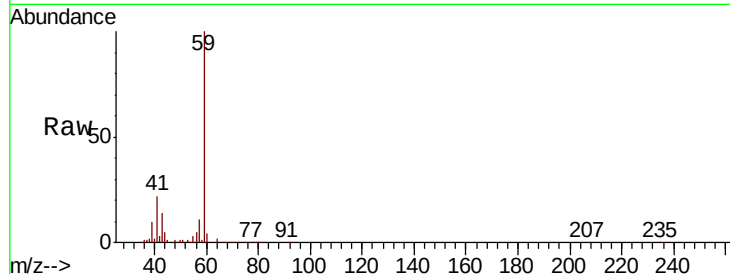
Tert butyl alcohol
Concen: 99.41 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX003881.D
Acq: 07 Aug 2018 15:12

Instrument :
MSVOA_X
ClientSampleId :
VX0807WBSD01

Tot Ion	59	Resp	110360
Ion Ratio	100	Lower	Upper
57	10.3	8.1	12.1

Manual Integrations
APPROVED

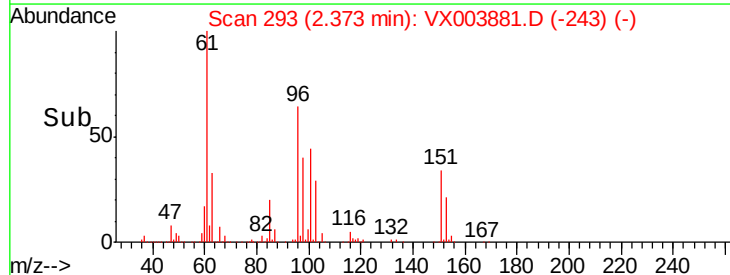
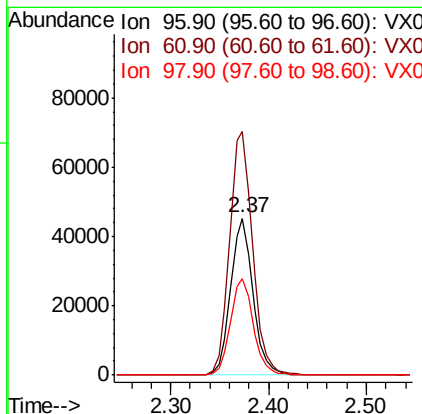
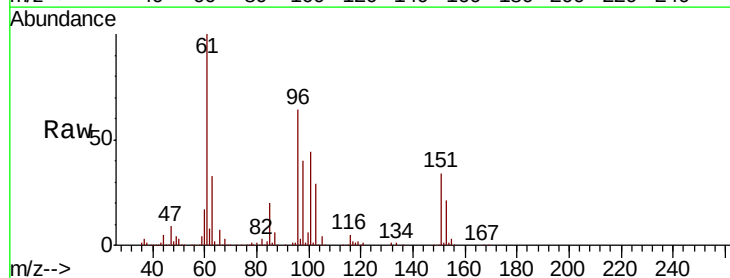
MMDadoda
8/8/2018 12:01:23 PM

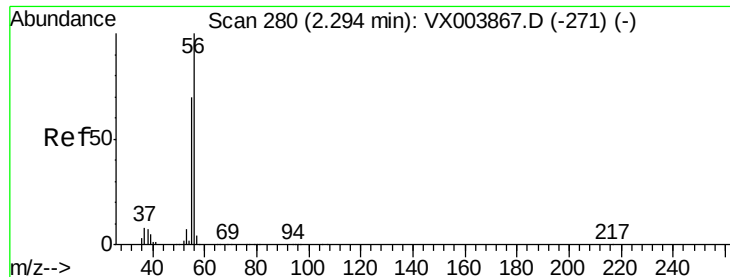


#12

1,1-Dichloroethene
Concen: 19.20 ug/l
RT: 2.37 min Scan# 293
Delta R.T. 0.01 min
Lab File: VX003881.D
Acq: 07 Aug 2018 15:12

Tgt Ion	96	Resp	71810
Ion Ratio	100	Lower	Upper
61	155.3	131.3	196.9
98	61.7	51.8	77.6





#13

Acrolein

Concen: 94.85 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX003881.D

Acq: 07 Aug 2018 15:12

Instrument :

MSVOA_X

ClientSampleId :

VX0807WBSD01

Tot Ion: 56 Resp: 56518

Ion Ratio Lower Upper

56 100

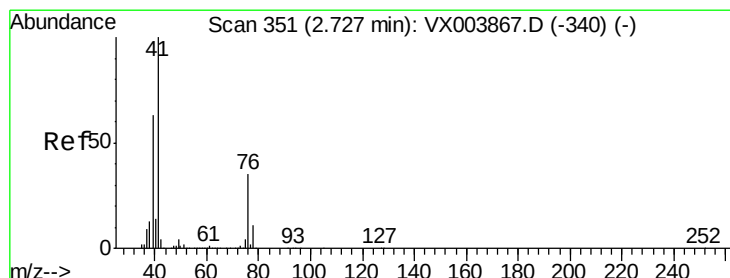
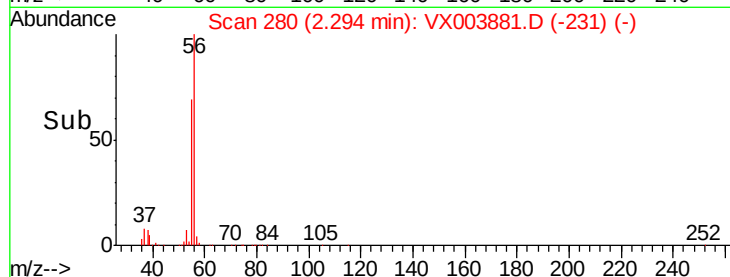
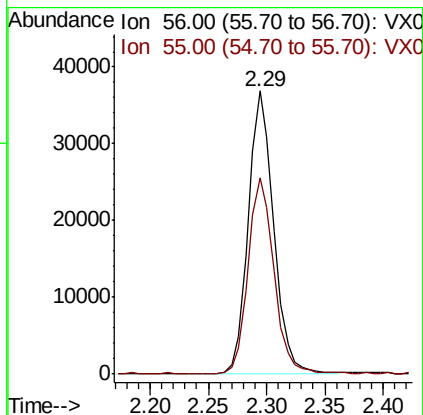
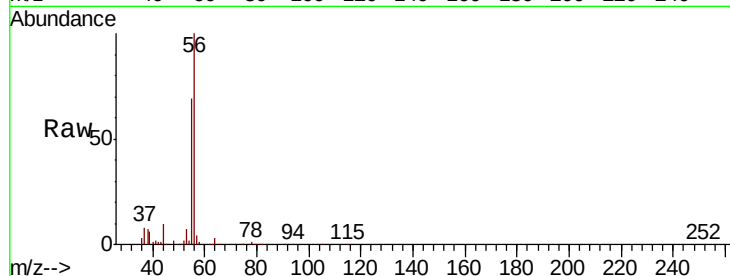
55 70.4 56.1 84.1

Manual Integrations

APPROVED

MMDadoda

8/8/2018 12:01:23 PM



#14

Allyl chloride

Concen: 19.39 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX003881.D

Acq: 07 Aug 2018 15:12

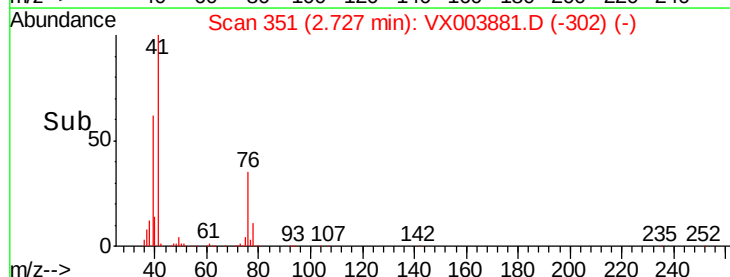
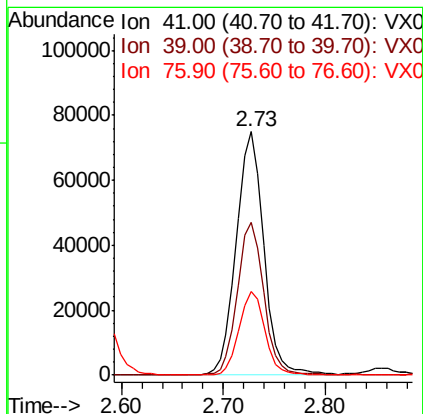
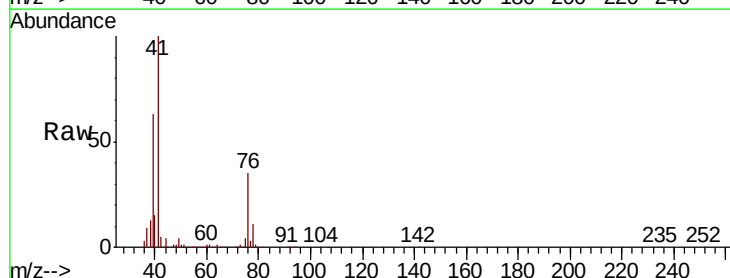
Tgt Ion: 41 Resp: 139823

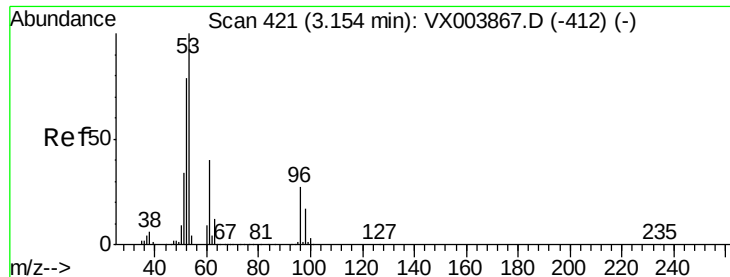
Ion Ratio Lower Upper

41 100

39 59.8 47.4 71.0

76 32.3 26.0 39.0





#15

Acrylonitrile

Concen: 97.68 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.01 min

Lab File: VX003881.D

Acq: 07 Aug 2018 15:12

Instrument :

MSVOA_X

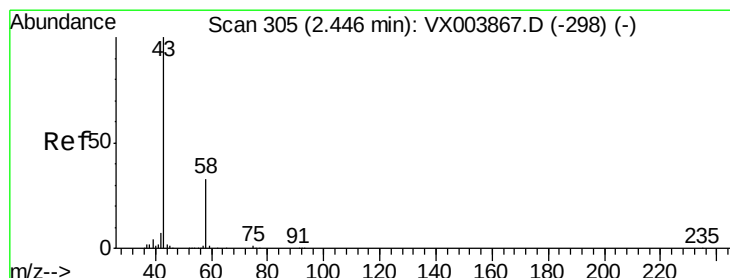
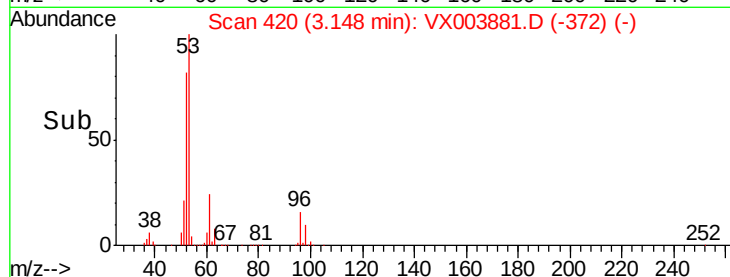
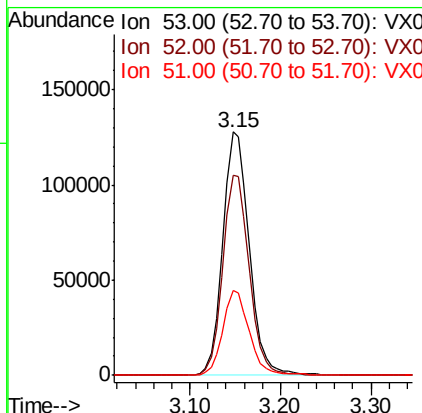
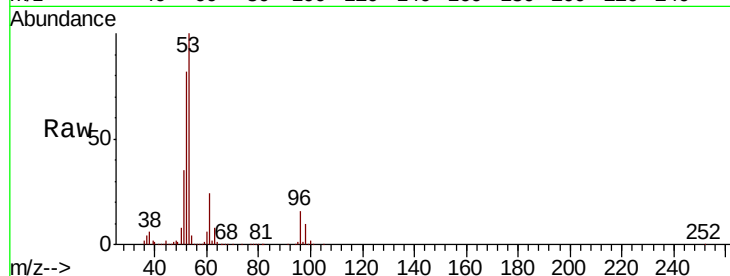
ClientSampled :

VX0807WBSD01

Tot Ion:	53	Resp:	258747
Ion Ratio	Lower	Upper	
53	100		
52	82.1	65.3	97.9
51	34.8	27.9	41.9

Manual Integrations
APPROVED

MMDadoda
8/8/2018 12:01:23 PM



#16

Acetone

Concen: 104.92 ug/l

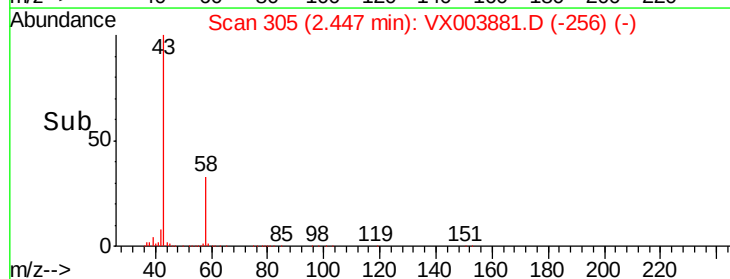
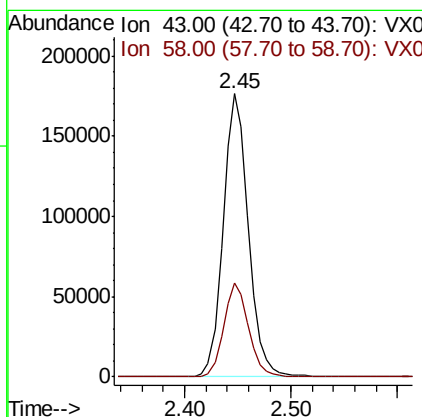
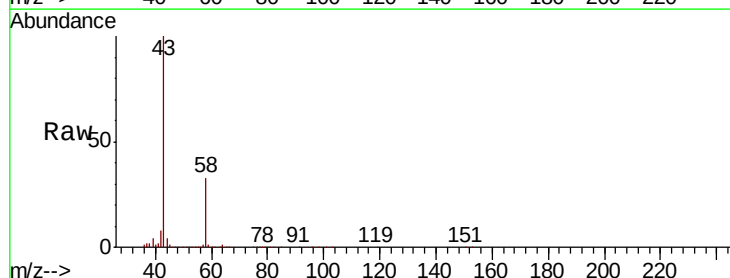
RT: 2.45 min Scan# 305

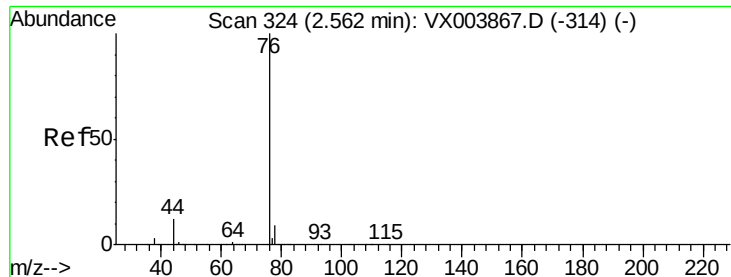
Delta R.T. 0.00 min

Lab File: VX003881.D

Acq: 07 Aug 2018 15:12

Tgt Ion:	43	Resp:	288361
Ion Ratio	Lower	Upper	
43	100		
58	33.3	26.4	39.6





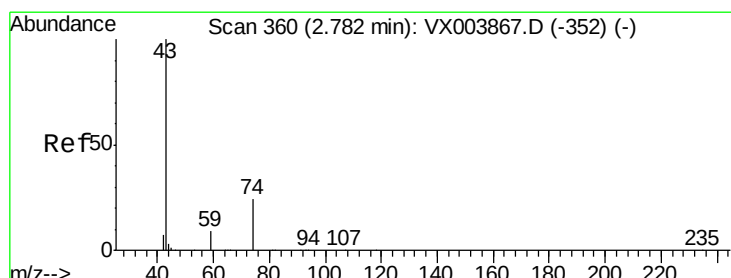
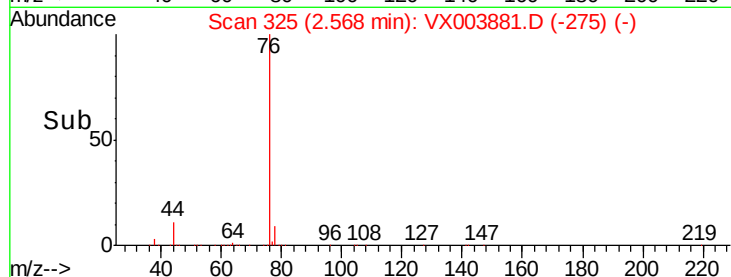
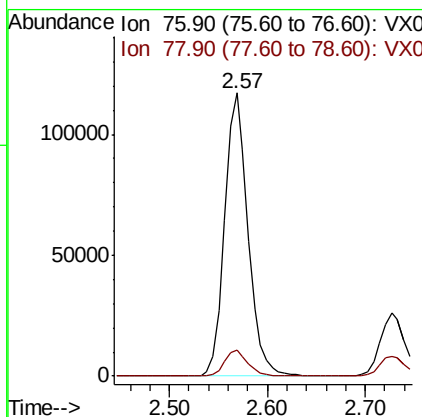
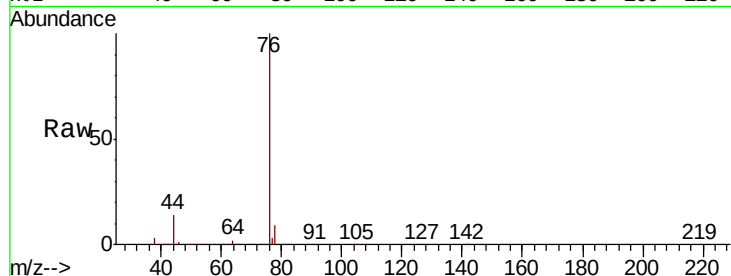
#17
Carbon Disulfide
Concen: 18.50 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.01 min
Lab File: VX003881.D
Acq: 07 Aug 2018 15:12

Instrument :
MSVOA_X
ClientSampleId :
VX0807WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
76	100	193141		
78	8.9	7.5	11.3	

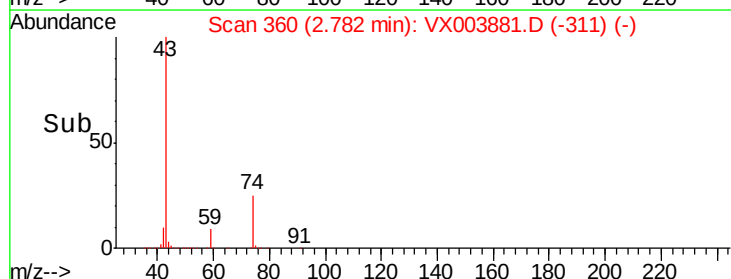
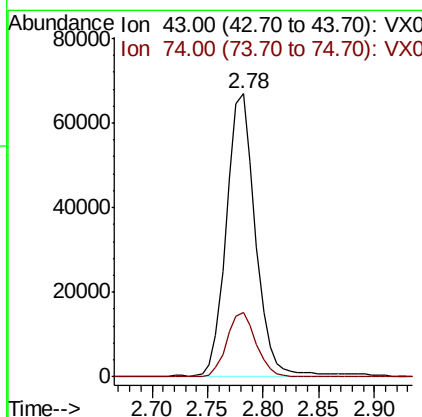
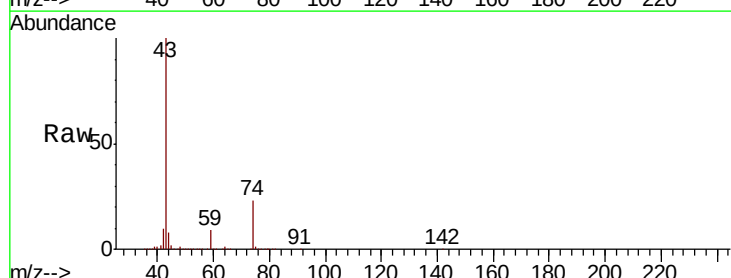
Manual Integrations
APPROVED

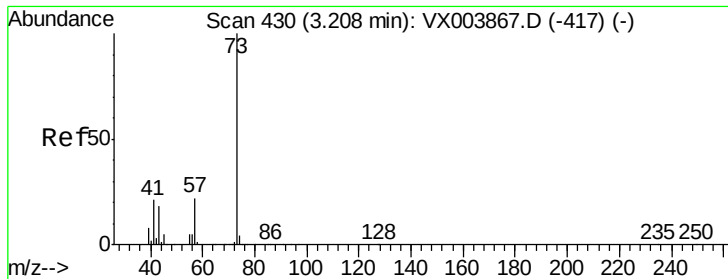
MMDadoda
8/8/2018 12:01:23 PM



#18
Methyl Acetate
Concen: 20.04 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX003881.D
Acq: 07 Aug 2018 15:12

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	119940		
74	23.5	18.9	28.3	





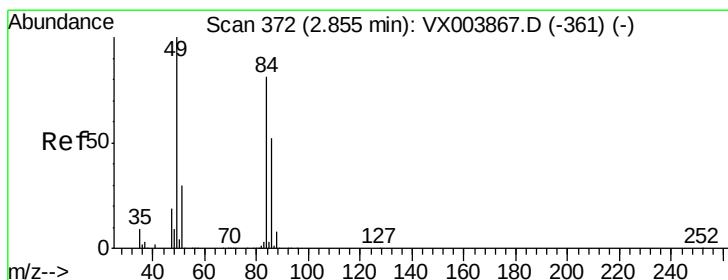
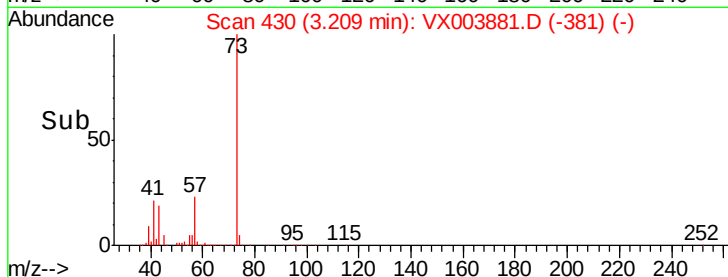
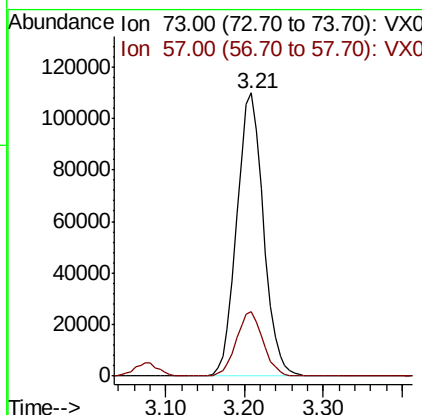
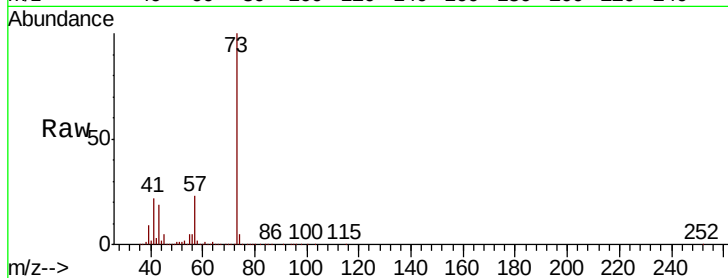
#19
Methyl tert-butyl Ether
Concen: 19.49 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX003881.D
Acq: 07 Aug 2018 15:12

Instrument :
MSVOA_X
ClientSampleId :
VX0807WBSD01

Tot Ion	73	Resp	258390
Ion Ratio	100	Lower	Upper
73	100	18.0	27.0
57	22.5		

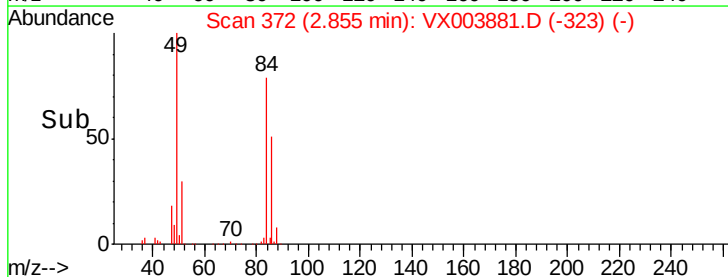
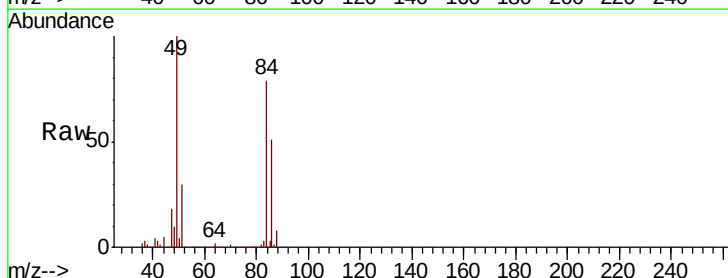
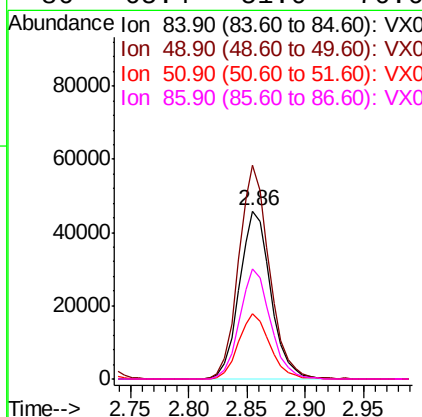
Manual Integrations
APPROVED

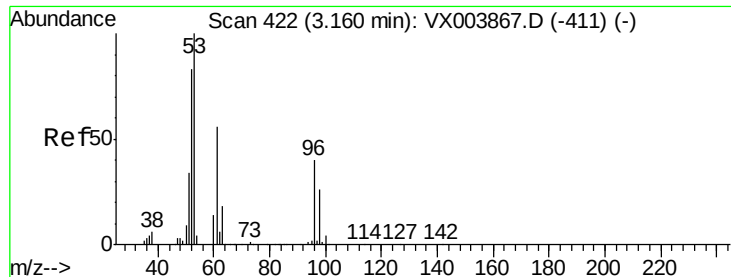
MMDadoda
8/8/2018 12:01:23 PM



#20
Methylene Chloride
Concen: 18.76 ug/l
RT: 2.86 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX003881.D
Acq: 07 Aug 2018 15:12

Tgt Ion	84	Resp	86175
Ion Ratio	100	Lower	Upper
84	100	98.9	148.3
49	127.3	29.9	44.9
51	38.5	51.0	76.6
86	65.4		





#21

trans-1,2-Dichloroethene

Concen: 18.43 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.00 min

Lab File: VX003881.D

Acq: 07 Aug 2018 15:12

Instrument :

MSVOA_X

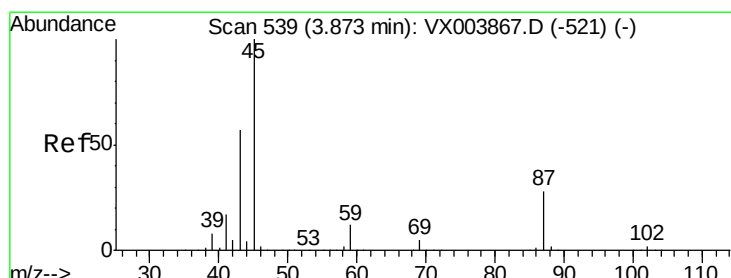
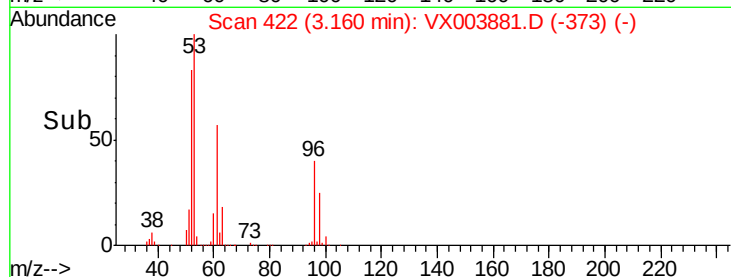
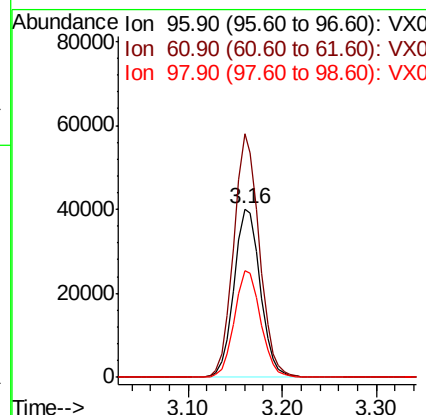
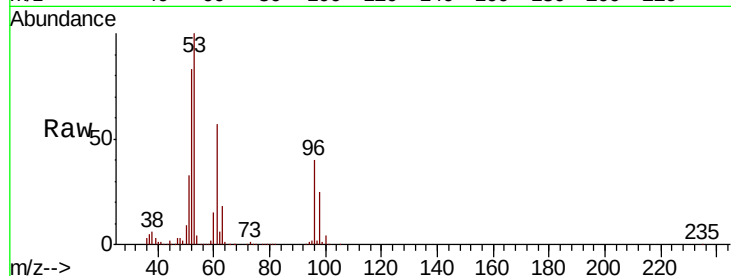
ClientSampleId :

VX0807WBSD01

Tot Ion:	96	Resp:	78251
Ion	Ratio	Lower	Upper
96	100		
61	144.3	111.8	167.6
98	62.9	51.8	77.6

Manual Integrations
APPROVED

MMDadoda
8/8/2018 12:01:23 PM



#22

Diisopropyl ether

Concen: 18.96 ug/l

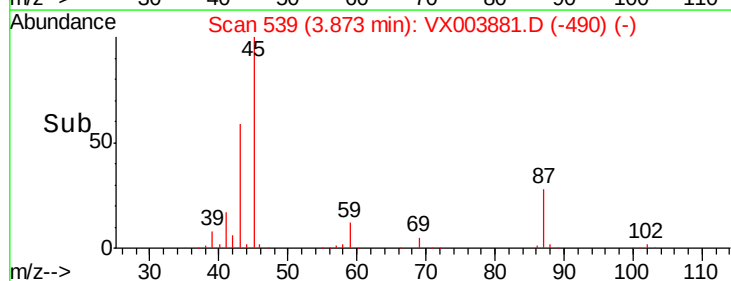
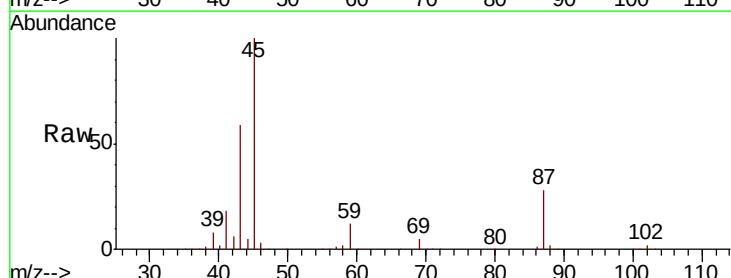
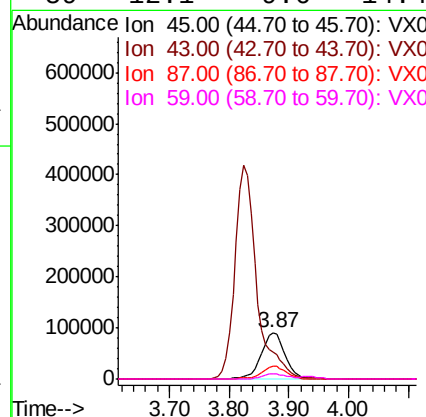
RT: 3.87 min Scan# 539

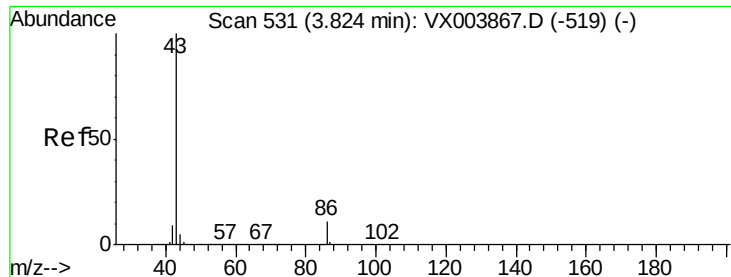
Delta R.T. 0.00 min

Lab File: VX003881.D

Acq: 07 Aug 2018 15:12

Tgt Ion:	45	Resp:	251362
Ion	Ratio	Lower	Upper
45	100		
43	58.9	45.3	67.9
87	27.7	22.7	34.1
59	12.1	9.6	14.4





#23

Vinyl Acetate

Concen: 97.03 ug/l

RT: 3.82 min Scan# 531

Delta R.T. 0.00 min

Lab File: VX003881.D

Acq: 07 Aug 2018 15:12

Instrument :

MSVOA_X

ClientSampleId :

VX0807WBSD01

Tot Ion: 43 Resp: 1070043

Ion Ratio Lower Upper

43 100

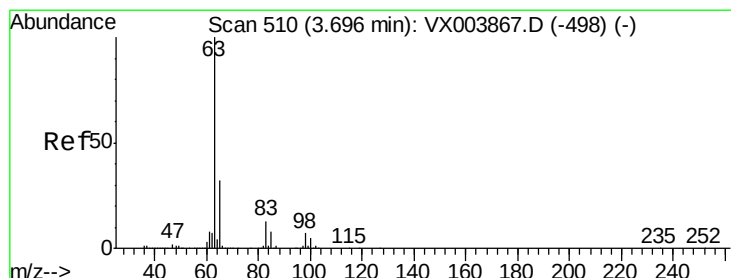
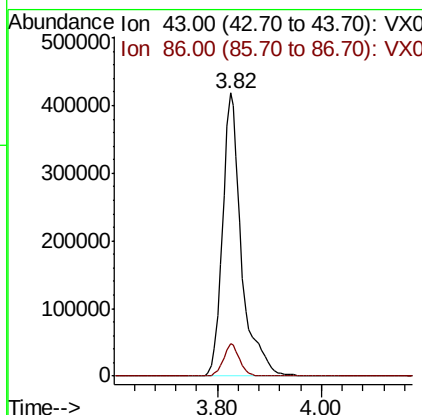
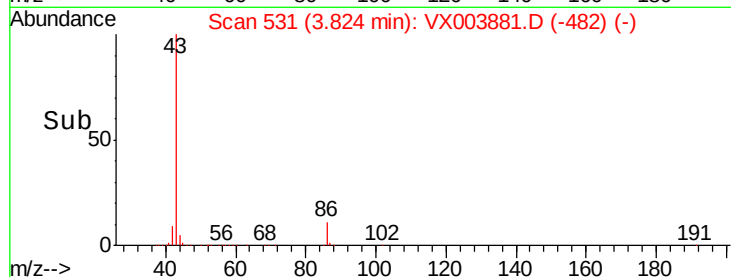
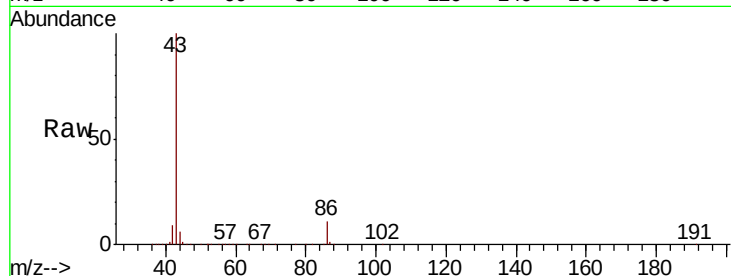
86 11.3 8.9 13.3

Manual Integrations

APPROVED

MMDadoda

8/8/2018 12:01:23 PM



#24

1,1-Dichloroethane

Concen: 19.47 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX003881.D

Acq: 07 Aug 2018 15:12

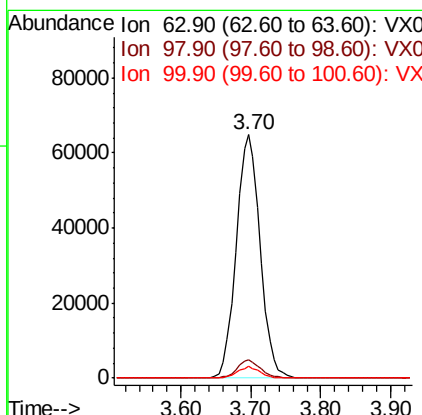
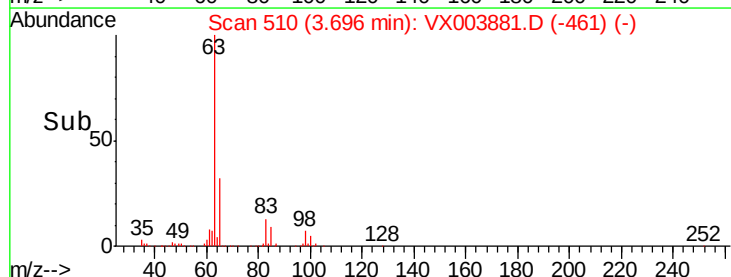
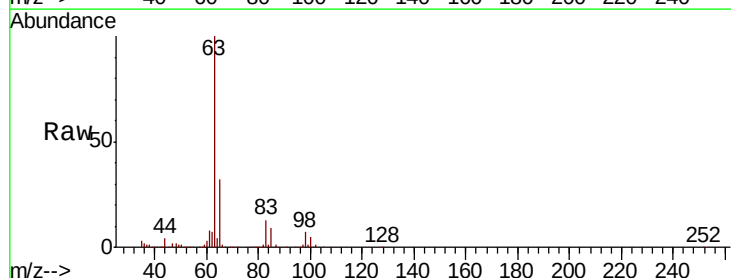
Tgt Ion: 63 Resp: 153265

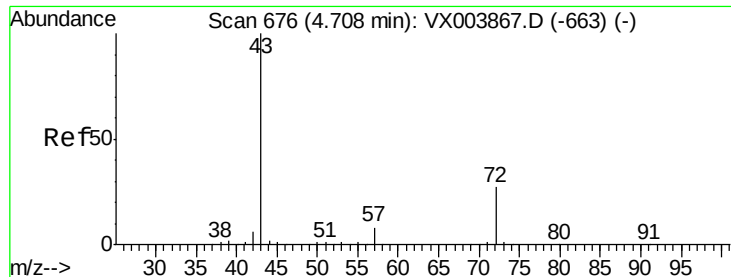
Ion Ratio Lower Upper

63 100

98 7.3 3.5 10.5

100 4.7 2.3 6.8





#25

2-Butanone

Concen: 100.38 ug/l

RT: 4.71 min Scan# 676

Delta R.T. 0.00 min

Lab File: VX003881.D

Acq: 07 Aug 2018 15:12

Instrument :

MSVOA_X

ClientSampleId :

VX0807WBSD01

Tot Ion: 43 Resp: 414777

Ion Ratio Lower Upper

43 100

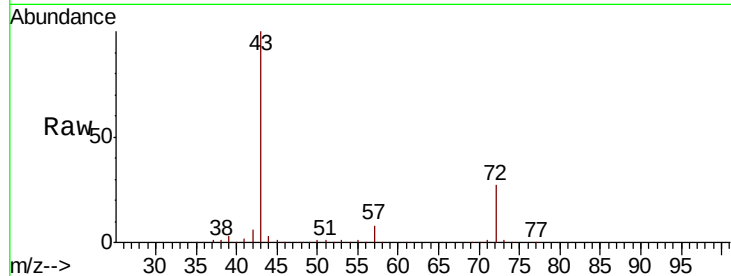
72 27.2 21.4 32.0

Manual Integrations

APPROVED

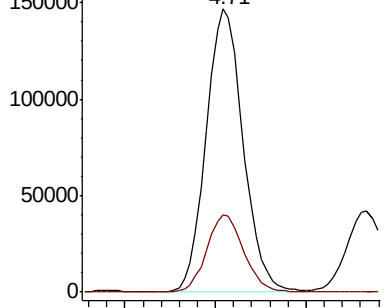
MMDadoda

8/8/2018 12:01:23 PM

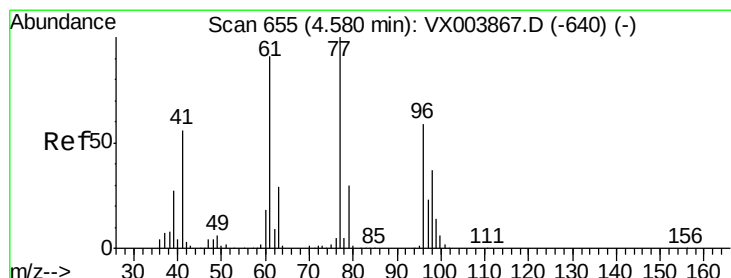
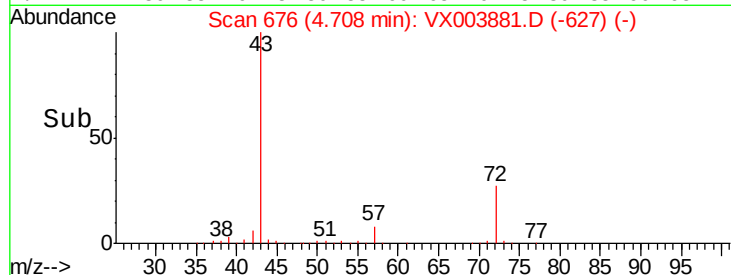


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



Time-->



#26

2,2-Dichloropropane

Concen: 20.16 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.01 min

Lab File: VX003881.D

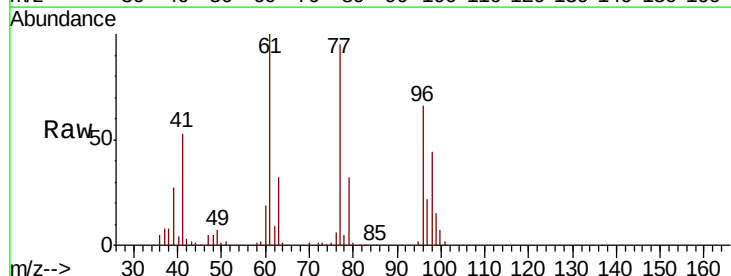
Acq: 07 Aug 2018 15:12

Tgt Ion: 77 Resp: 114480

Ion Ratio Lower Upper

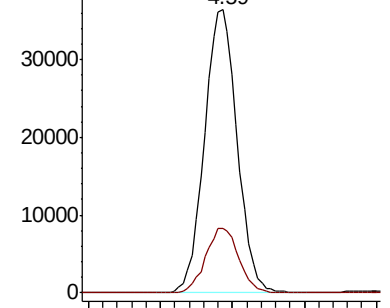
77 100

97 23.2 11.9 35.9

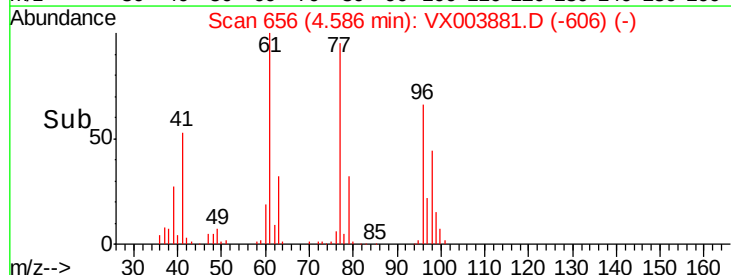


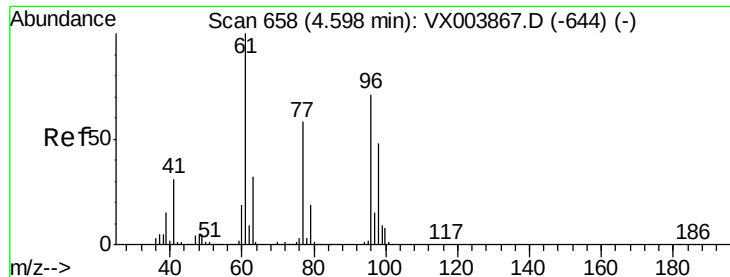
Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



Time-->





#27

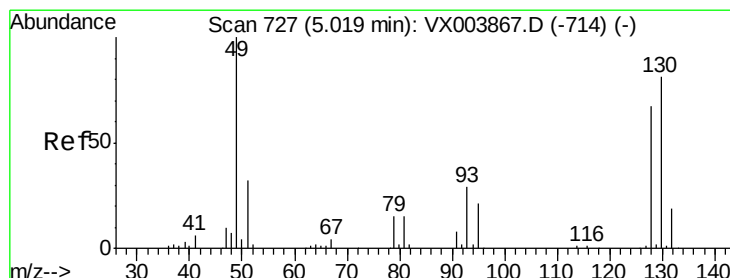
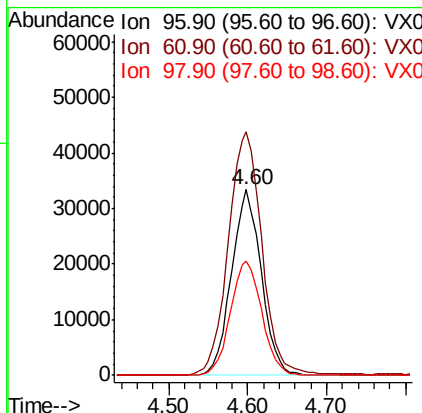
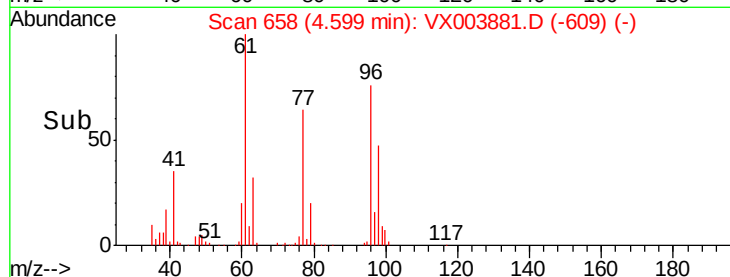
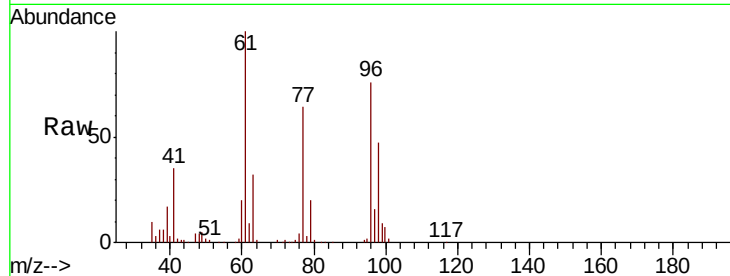
cis-1,2-Dichloroethene
 Concen: 19.06 ug/l
 RT: 4.60 min Scan# 658
 Delta R.T. 0.00 min
 Lab File: VX003881.D
 Acq: 07 Aug 2018 15:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0807WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	87807		
61	148.3	0.0	293.0	
98	64.6	0.0	131.8	

Manual Integrations
 APPROVED

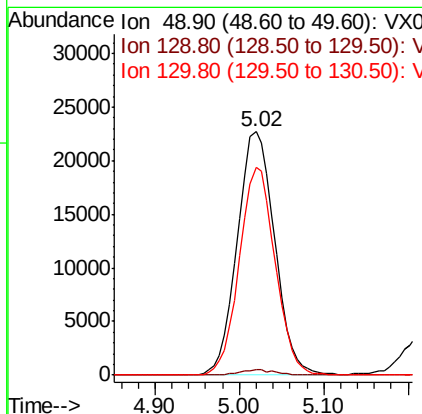
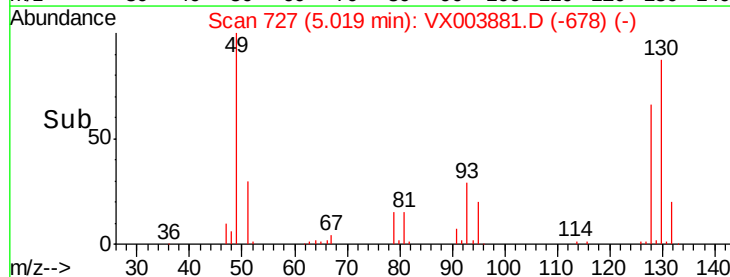
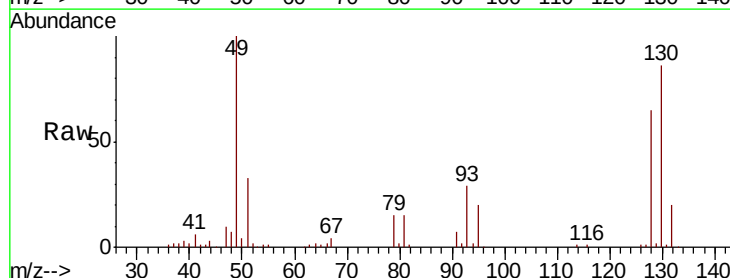
MMDadoda
 8/8/2018 12:01:23 PM

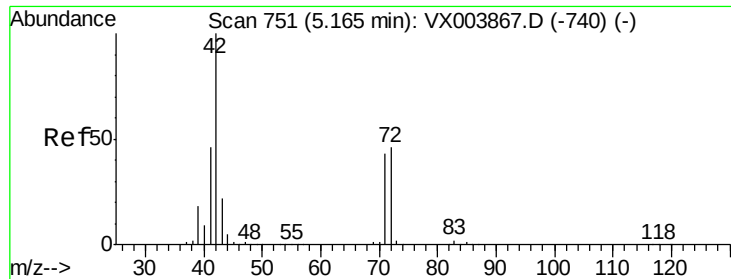


#28

Bromochloromethane
 Concen: 20.30 ug/l
 RT: 5.02 min Scan# 727
 Delta R.T. 0.00 min
 Lab File: VX003881.D
 Acq: 07 Aug 2018 15:12

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	68404		
129	2.1	0.0	4.2	
130	81.7	66.5	99.7	





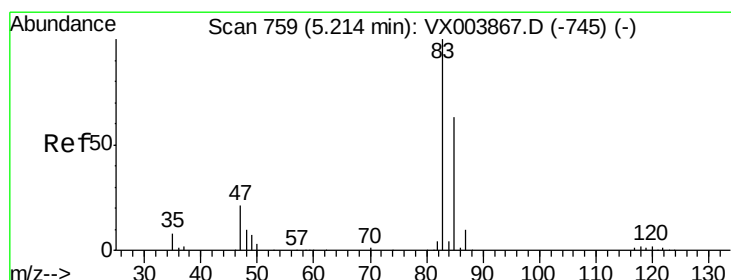
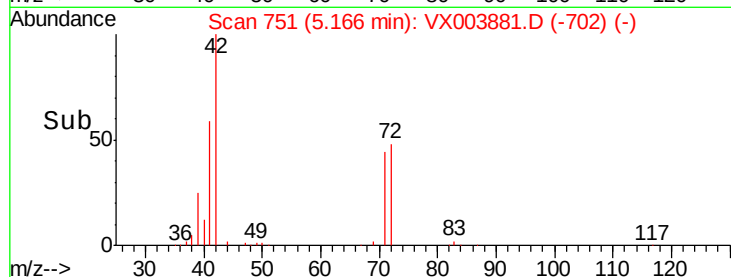
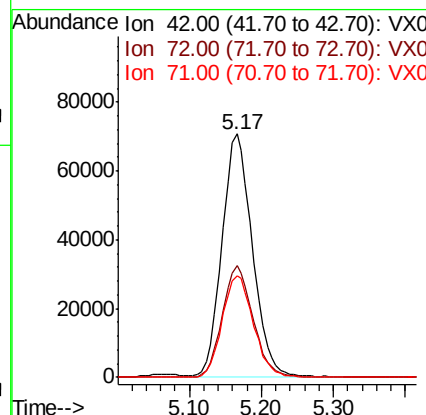
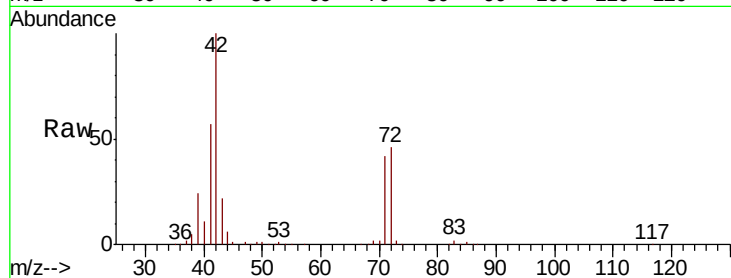
#29
Tetrahydrofuran
Concen: 97.39 ug/l
RT: 5.17 min Scan# 751
Delta R.T. 0.00 min
Lab File: VX003881.D
Acq: 07 Aug 2018 15:12

Instrument :
MSVOA_X
ClientSampleId :
VX0807WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.3	37.7	56.5
71	43.0	35.0	52.6

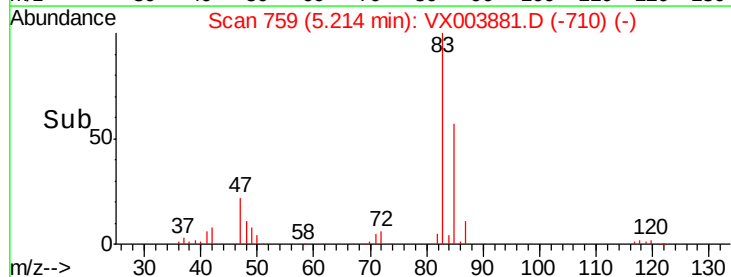
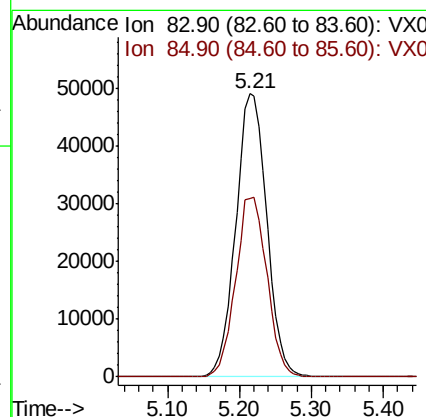
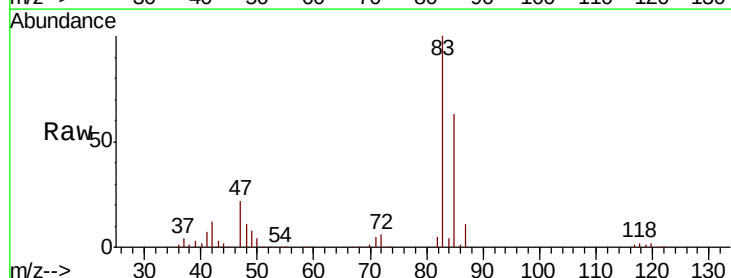
Manual Integrations
APPROVED

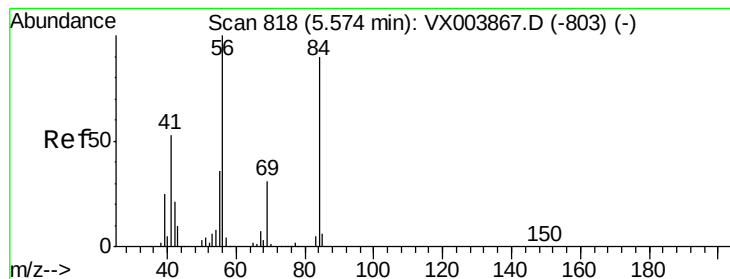
MMDadoda
8/8/2018 12:01:23 PM



#30
Chloroform
Concen: 19.76 ug/l
RT: 5.21 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX003881.D
Acq: 07 Aug 2018 15:12

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.2	50.7	76.1





#31

Cyclohexane

Concen: 18.78 ug/l

RT: 5.57 min Scan# 818

Delta R.T. 0.00 min

Lab File: VX003881.D

Acq: 07 Aug 2018 15:12

Instrument :

MSVOA_X

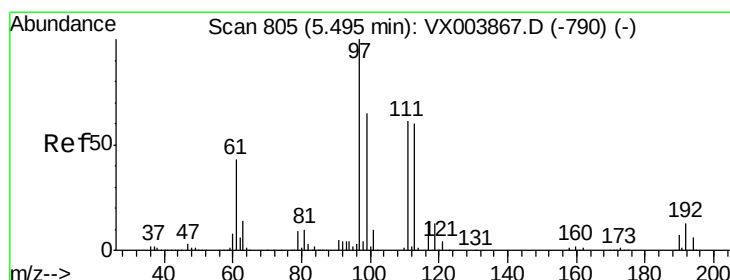
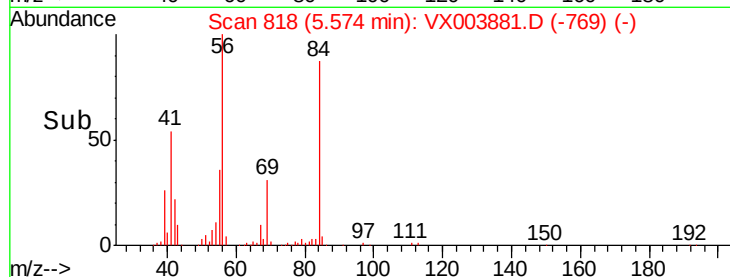
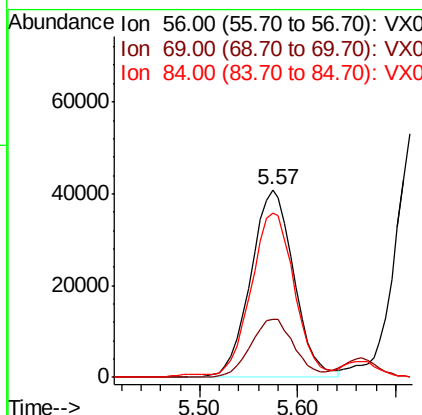
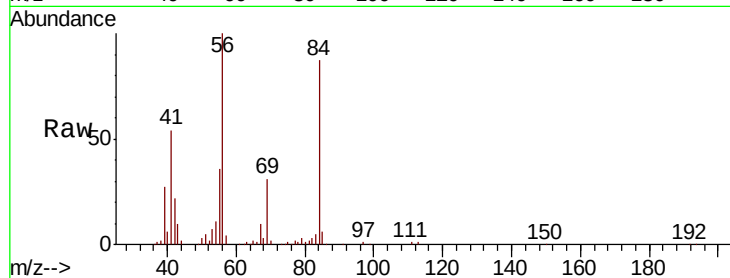
ClientSampled :

VX0807WBSD01

Tot Ion:	56	Resp:	125037
Ion Ratio		Lower	Upper
56	100		
69	30.8	24.9	37.3
84	86.0	71.7	107.5

Manual Integrations
APPROVED

MMDadoda
8/8/2018 12:01:23 PM



#32

1,1,1-Trichloroethane

Concen: 19.62 ug/l

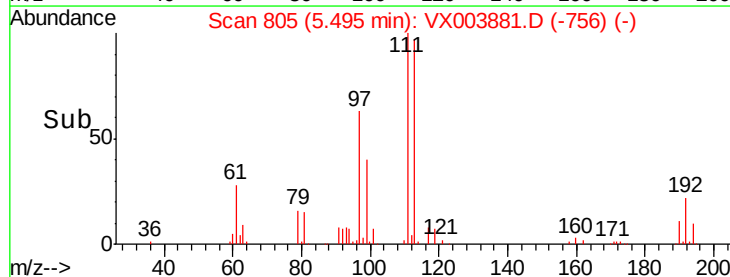
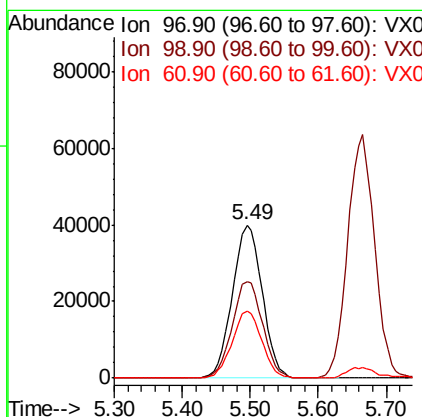
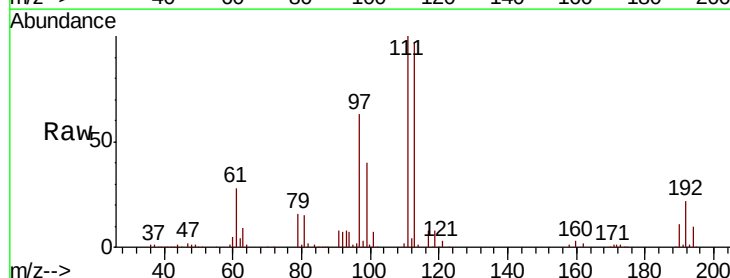
RT: 5.49 min Scan# 805

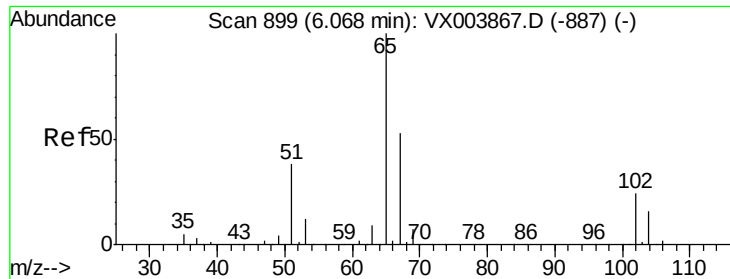
Delta R.T. 0.00 min

Lab File: VX003881.D

Acq: 07 Aug 2018 15:12

Tgt Ion:	97	Resp:	121947
Ion Ratio		Lower	Upper
97	100		
99	64.4	51.8	77.8
61	43.7	34.4	51.6





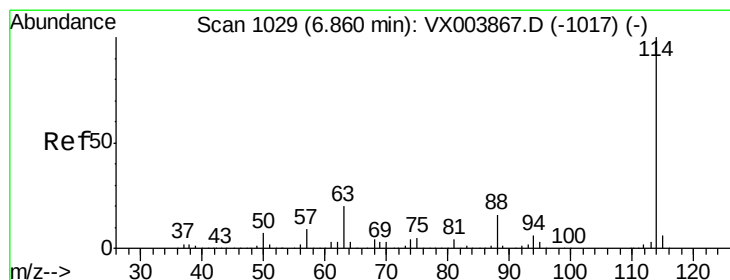
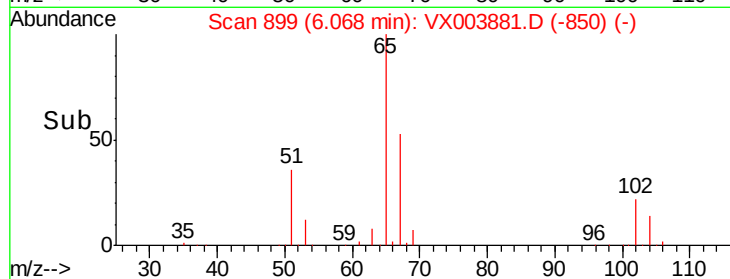
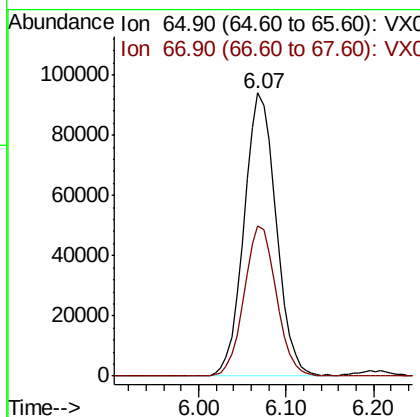
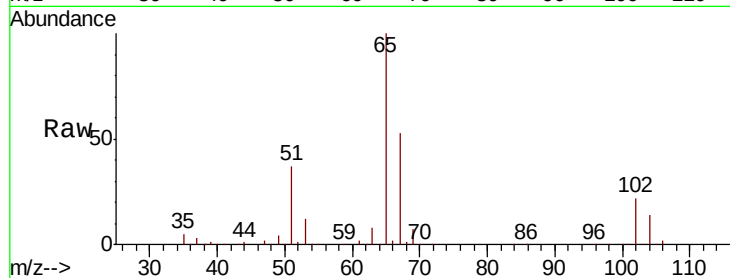
#33
 1,2-Dichloroethane-d4
 Concen: 51.93 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VX003881.D
 Acq: 07 Aug 2018 15:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0807WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	239915		
67	53.2	0.0	105.8	

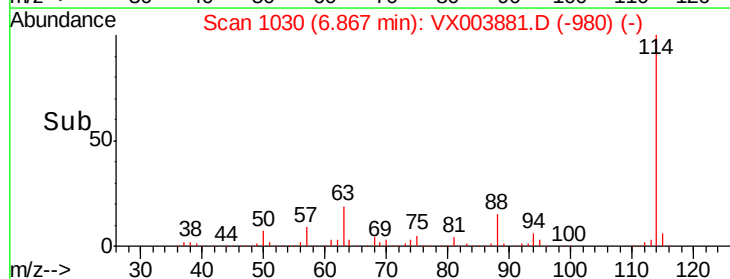
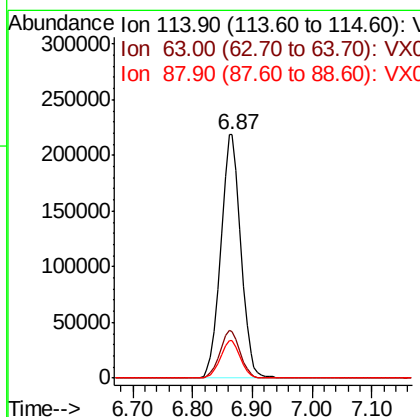
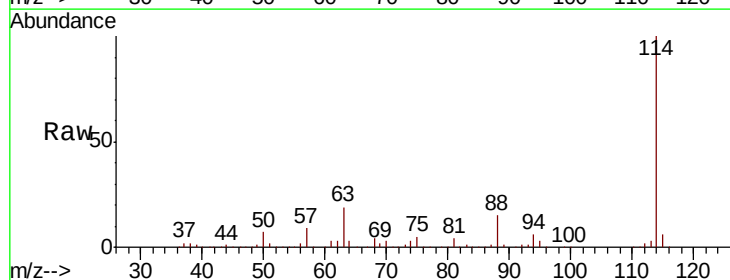
Manual Integrations
 APPROVED

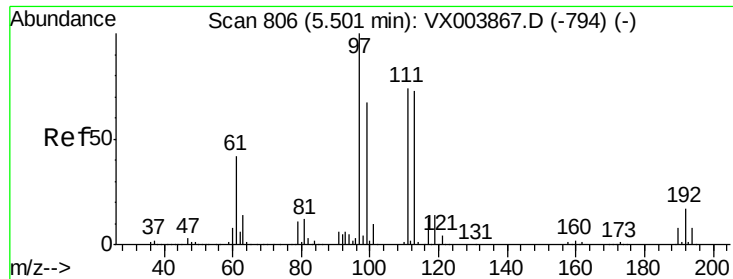
MMDadoda
 8/8/2018 12:01:23 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.01 min
 Lab File: VX003881.D
 Acq: 07 Aug 2018 15:12

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	510760		
63	19.0	0.0	39.0	
88	15.4	0.0	32.0	





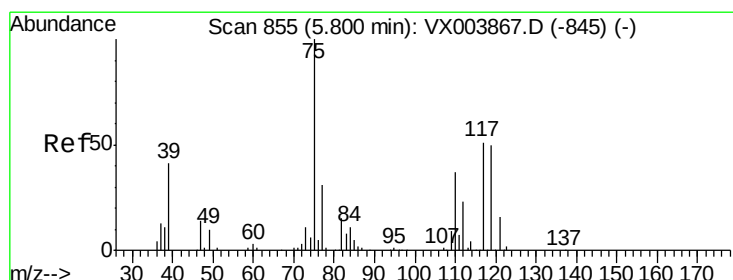
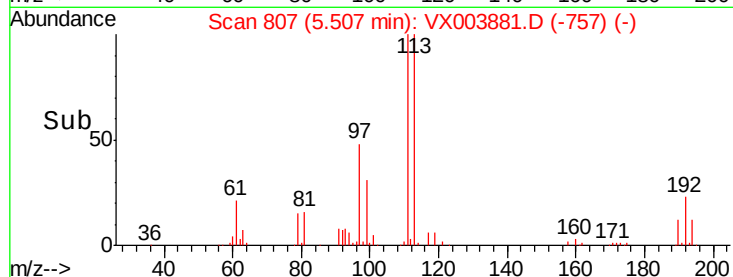
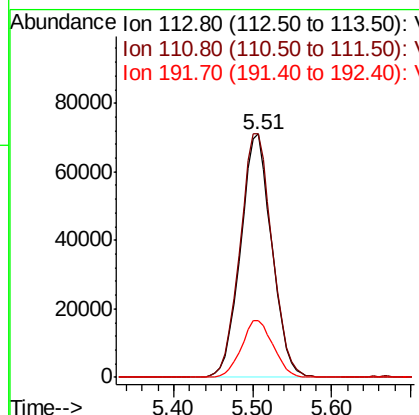
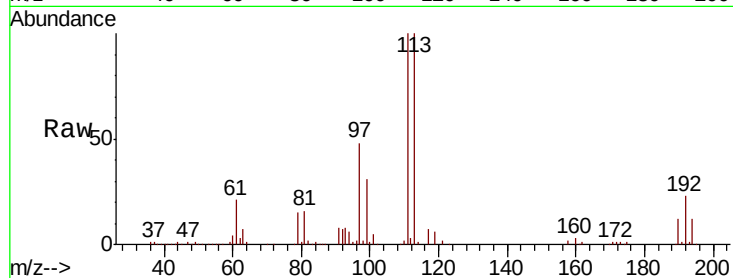
#35
 Dibromofluoromethane
 Concen: 50.50 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.01 min
 Lab File: VX003881.D
 Acq: 07 Aug 2018 15:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0807WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	195398		
111	103.1	82.0	123.0	
192	23.9	19.0	28.4	

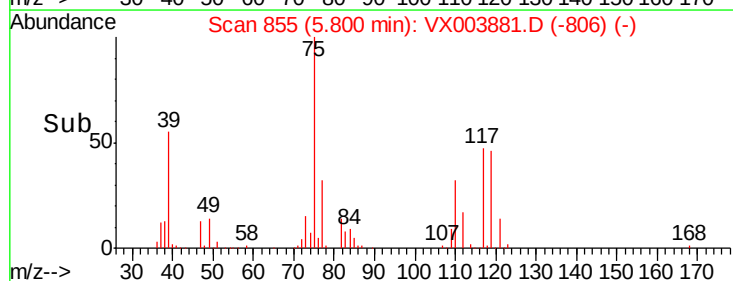
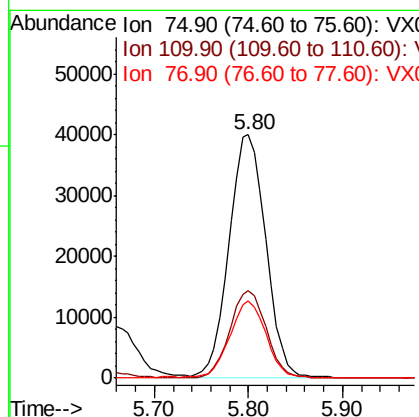
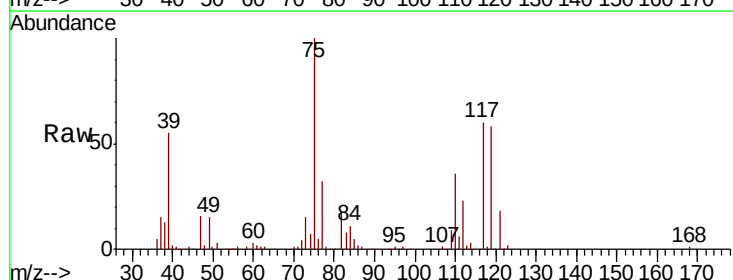
Manual Integrations
 APPROVED

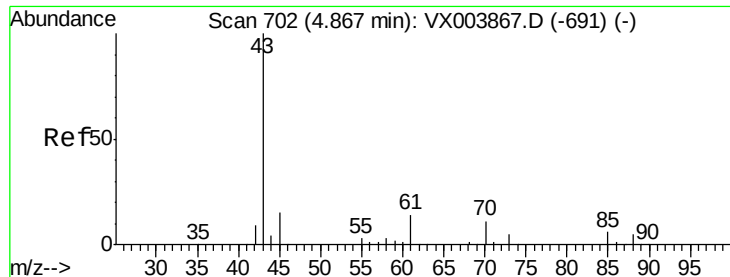
MMDadoda
 8/8/2018 12:01:23 PM



#36
 1,1-Dichloropropene
 Concen: 18.90 ug/l
 RT: 5.80 min Scan# 855
 Delta R.T. 0.00 min
 Lab File: VX003881.D
 Acq: 07 Aug 2018 15:12

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	108122		
110	35.8	18.2	54.6	
77	31.4	25.0	37.4	





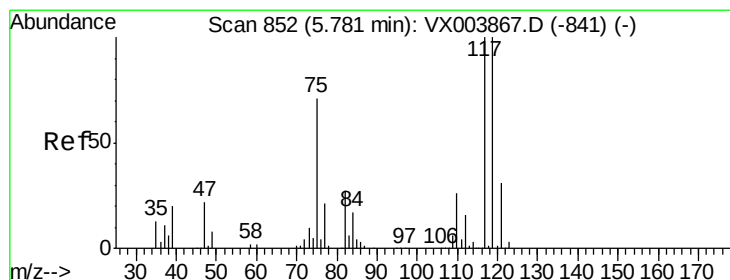
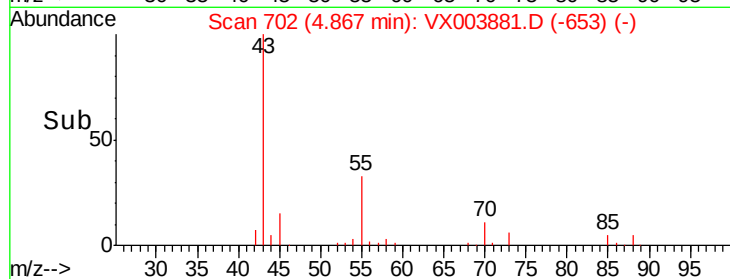
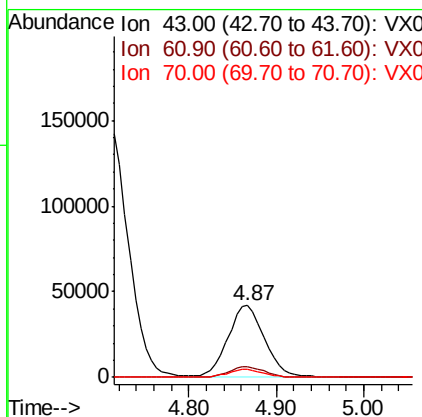
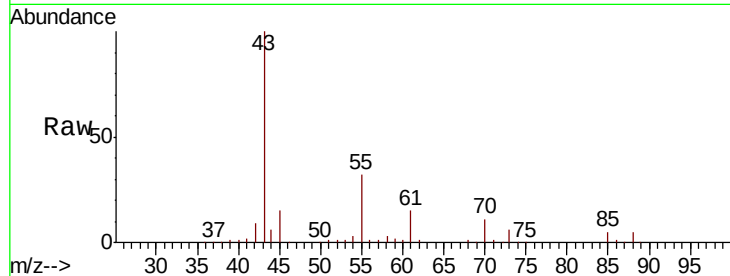
#37
Ethyl Acetate
Concen: 19.36 ug/l
RT: 4.87 min Scan# 702
Delta R.T. 0.00 min
Lab File: VX003881.D
Acq: 07 Aug 2018 15:12

Instrument :
MSVOA_X
ClientSampled :
VX0807WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.5	17.3
70	11.4	9.0	13.4

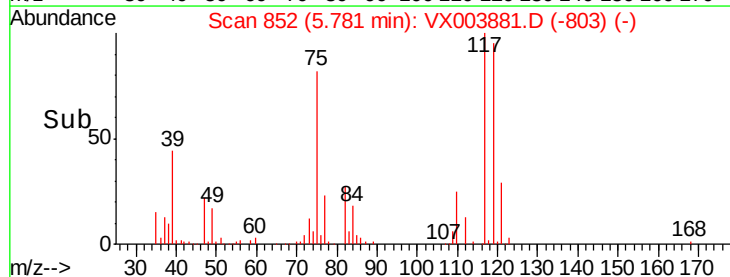
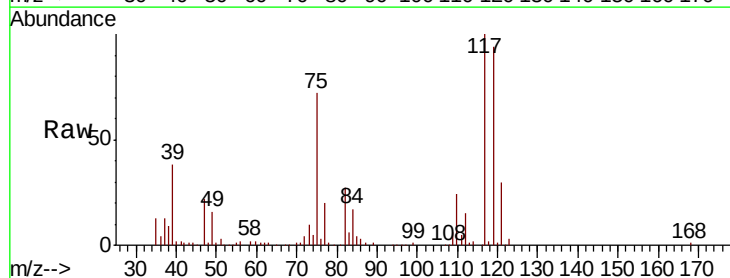
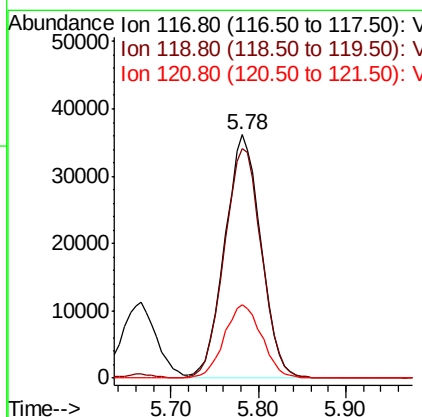
Manual Integrations
APPROVED

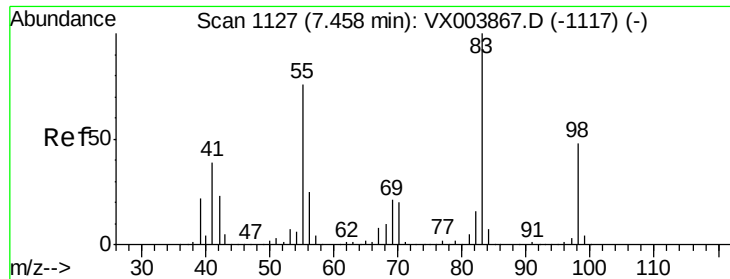
MMDadoda
8/8/2018 12:01:23 PM



#38
Carbon Tetrachloride
Concen: 19.09 ug/l
RT: 5.78 min Scan# 852
Delta R.T. 0.00 min
Lab File: VX003881.D
Acq: 07 Aug 2018 15:12

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.4	79.5	119.3
121	30.1	25.0	37.4





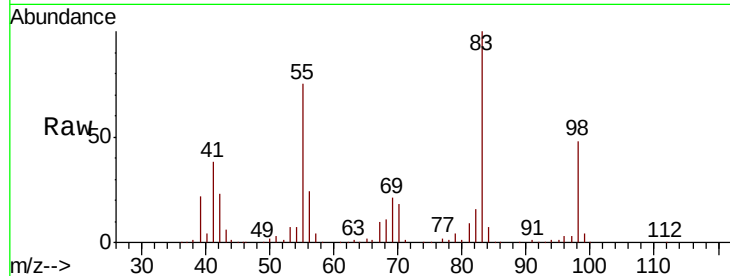
#39
Methylvlcyclohexane
Concen: 18.44 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VX003881.D
Acq: 07 Aug 2018 15:12

Instrument :
MSVOA_X
ClientSampleId :
VX0807WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	75.5	61.0	91.6	
98	48.0	38.6	57.8	

Manual Integrations
APPROVED

MMDadoda
8/8/2018 12:01:23 PM

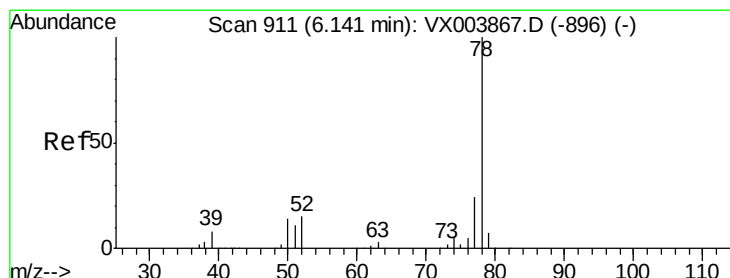
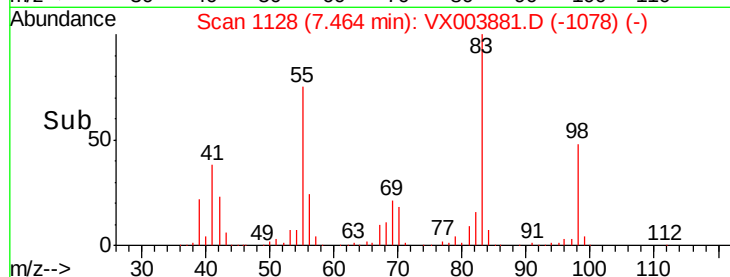
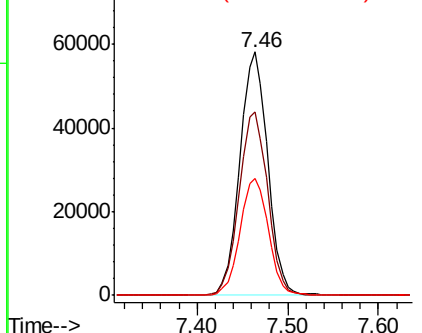


Abundance

Ion 83.00 (82.70 to 83.70): VX0

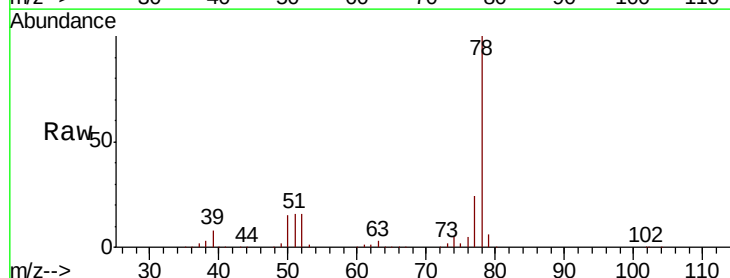
Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0



#40
Benzene
Concen: 19.49 ug/l
RT: 6.14 min Scan# 911
Delta R.T. 0.00 min
Lab File: VX003881.D
Acq: 07 Aug 2018 15:12

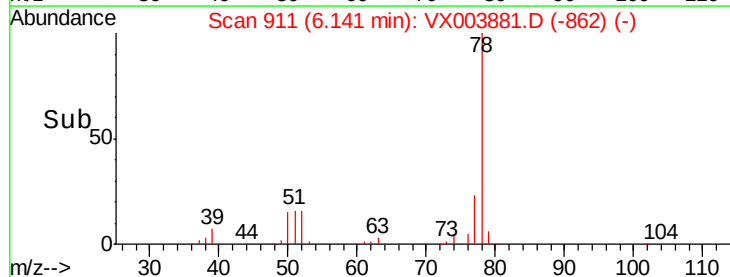
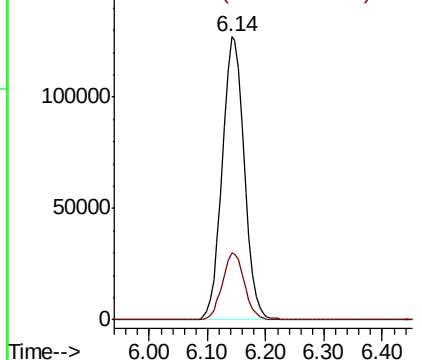
Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.6	19.0	28.4	

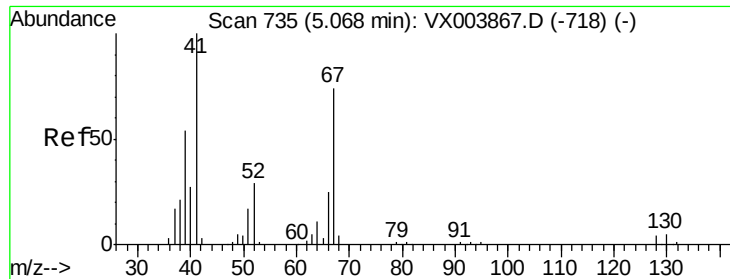


Abundance

Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0





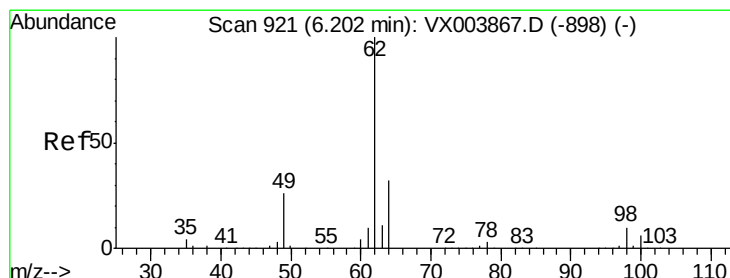
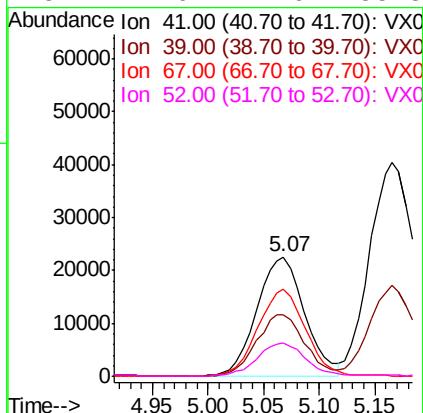
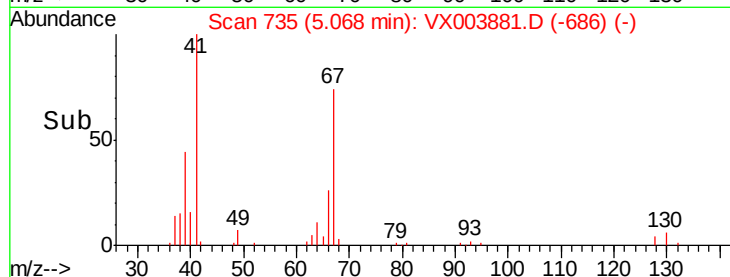
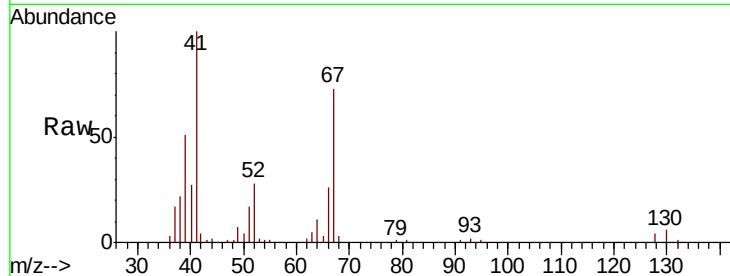
#41
Methacrylonitrile
Concen: 19.36 ug/l
RT: 5.07 min Scan# 735
Delta R.T. 0.00 min
Lab File: VX003881.D
Acq: 07 Aug 2018 15:12

Instrument :
MSVOA_X
ClientSampleId :
VX0807WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	51.9	42.7	64.1	
67	73.3	58.9	88.3	
52	27.6	22.6	33.8	

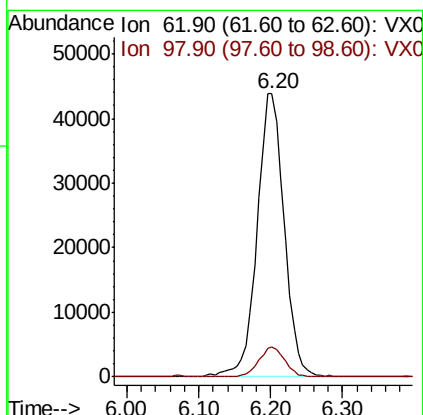
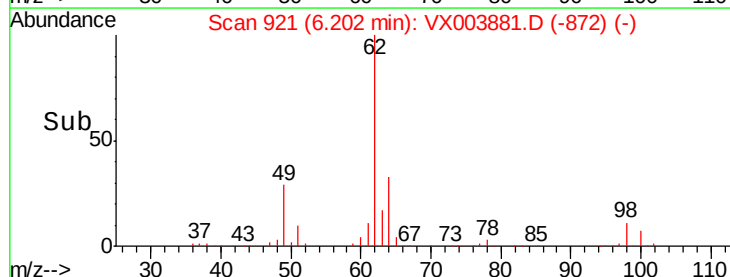
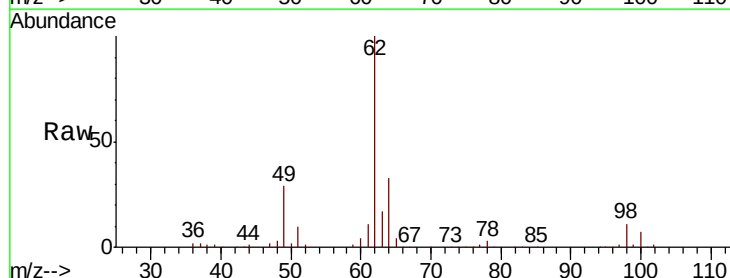
Manual Integrations
APPROVED

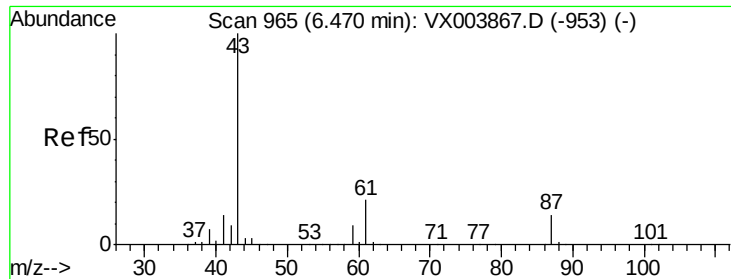
MMDadoda
8/8/2018 12:01:23 PM



#42
1,2-Dichloroethane
Concen: 19.63 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.00 min
Lab File: VX003881.D
Acq: 07 Aug 2018 15:12

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.3	0.0	20.4	





#43

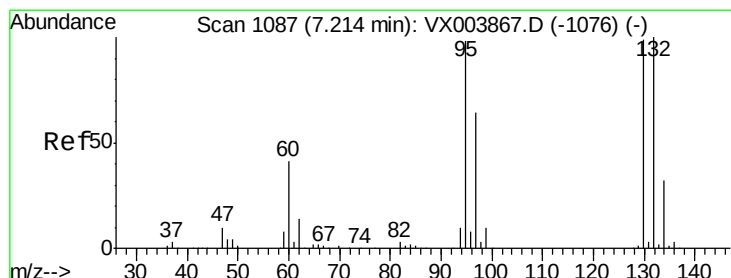
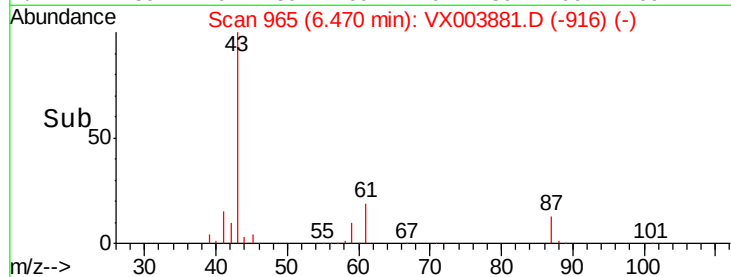
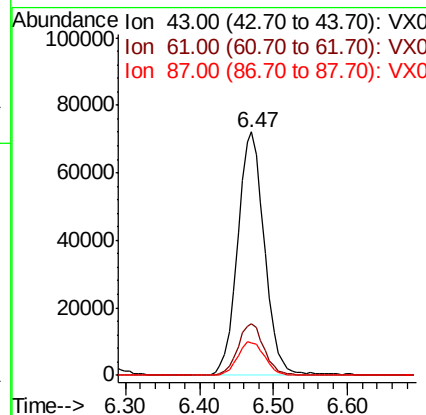
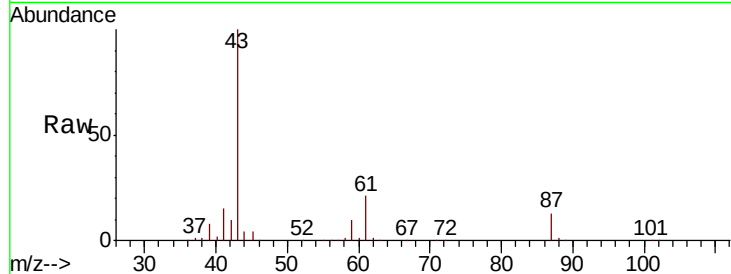
Isopropyl Acetate
 Concen: 19.11 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. 0.00 min
 Lab File: VX003881.D
 Acq: 07 Aug 2018 15:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0807WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.9	16.9	25.3
87	13.9	11.3	16.9

Manual Integrations
 APPROVED

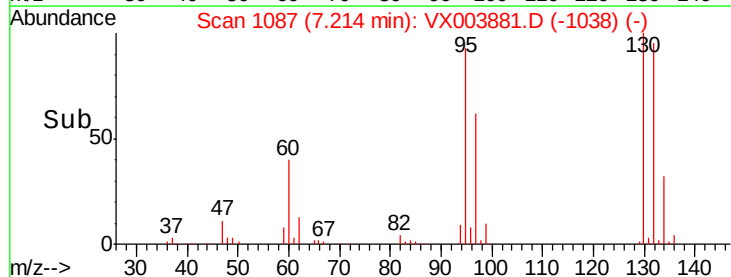
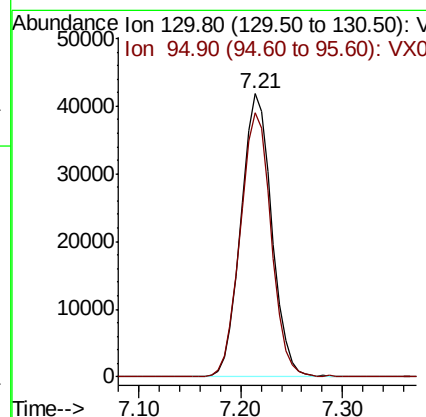
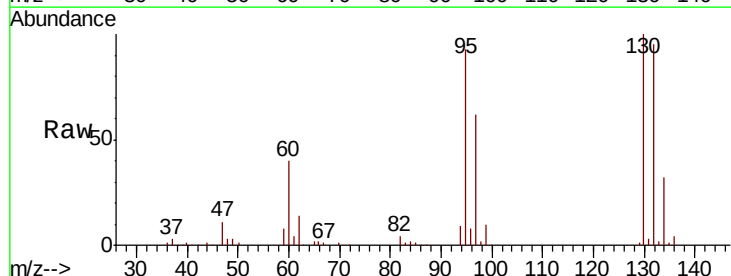
MMDadoda
 8/8/2018 12:01:23 PM

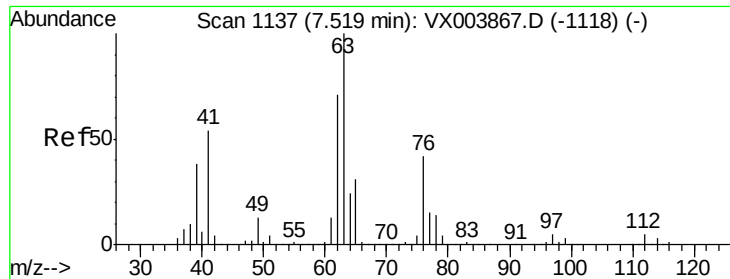


#44

Trichloroethene
 Concen: 18.65 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. 0.00 min
 Lab File: VX003881.D
 Acq: 07 Aug 2018 15:12

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.5	0.0	199.4





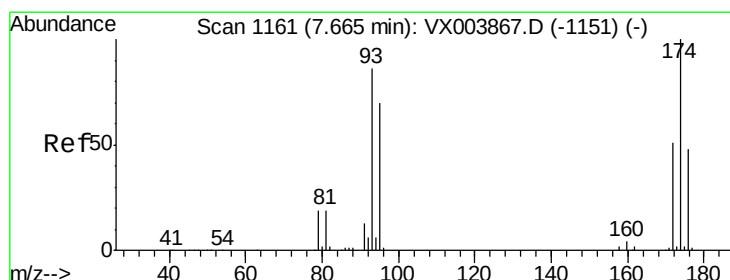
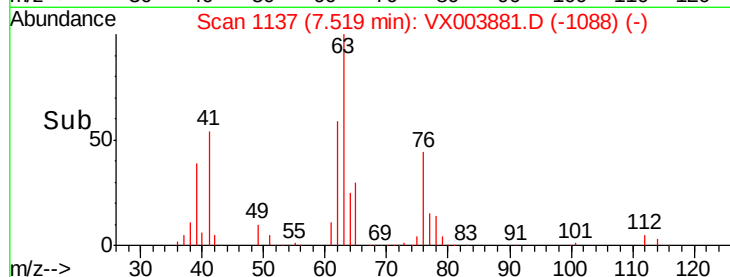
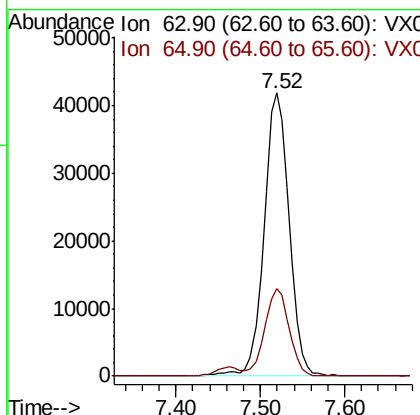
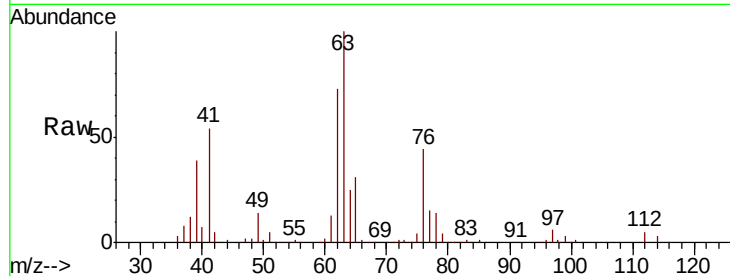
#45
 1,2-Dichloropropane
 Concen: 19.36 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. 0.00 min
 Lab File: VX003881.D
 Acq: 07 Aug 2018 15:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0807WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.6	24.6	36.8

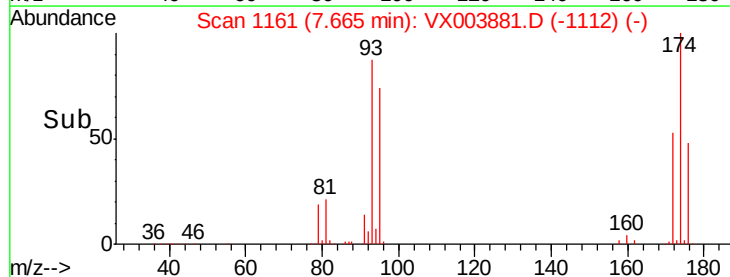
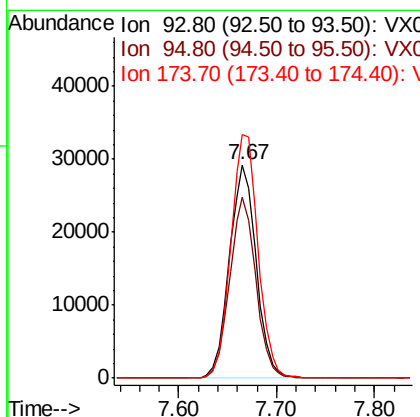
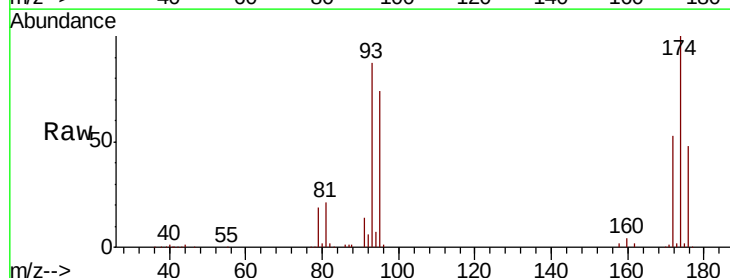
Manual Integrations
 APPROVED

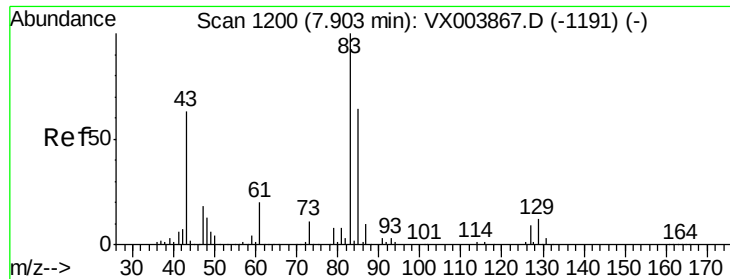
MMDadoda
 8/8/2018 12:01:23 PM



#46
 Dibromomethane
 Concen: 19.20 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. 0.00 min
 Lab File: VX003881.D
 Acq: 07 Aug 2018 15:12

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.2	66.4	99.6
174	116.3	94.3	141.5





#47

Bromodichloromethane

Concen: 19.21 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX003881.D

Acq: 07 Aug 2018 15:12

Instrument :

MSVOA_X

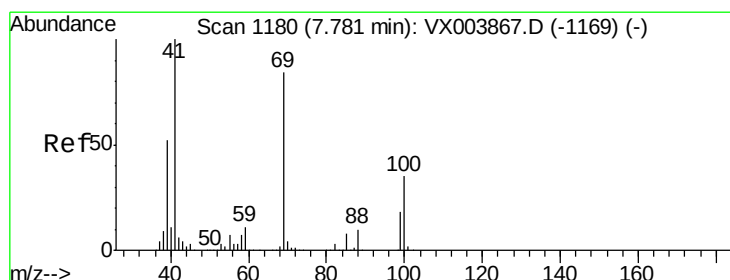
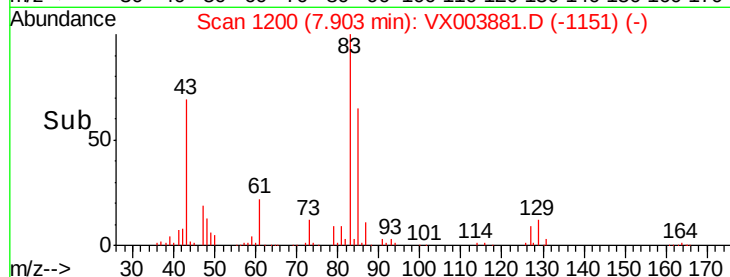
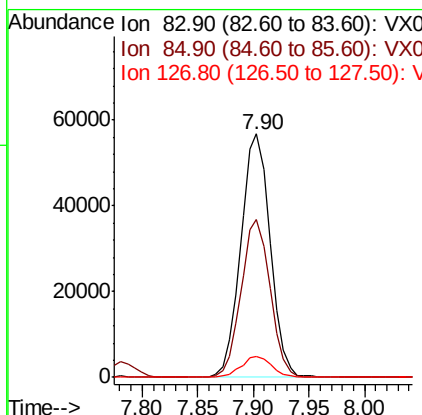
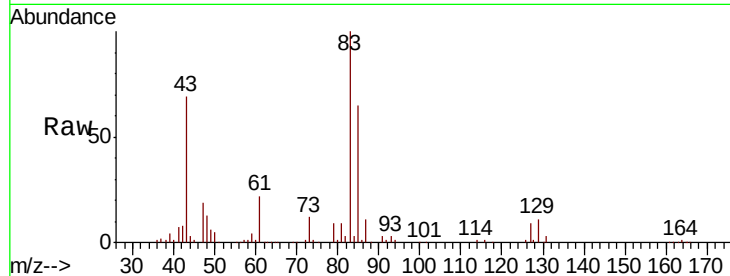
ClientSampleId :

VX0807WBSD01

Tot Ion:	83	Resp:	104193
Ion Ratio	Lower	Upper	
83	100		
85	64.6	51.2	76.8
127	8.8	7.2	10.8

Manual Integrations
APPROVED

MMDadoda
8/8/2018 12:01:23 PM



#48

Methyl methacrylate

Concen: 19.44 ug/l

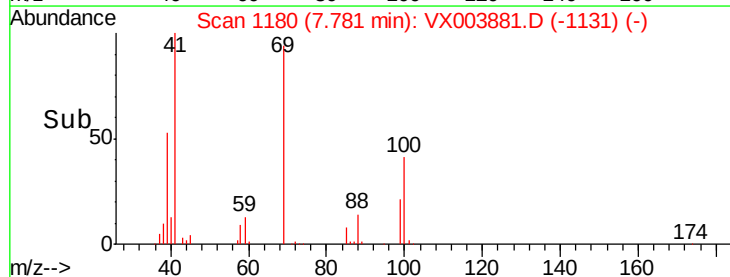
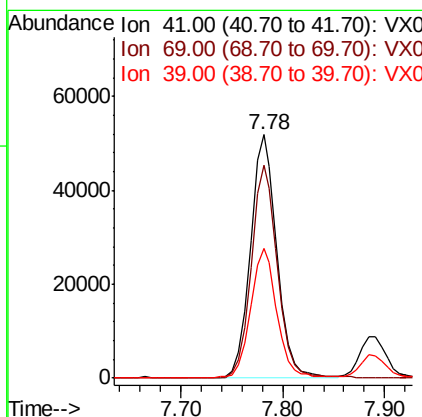
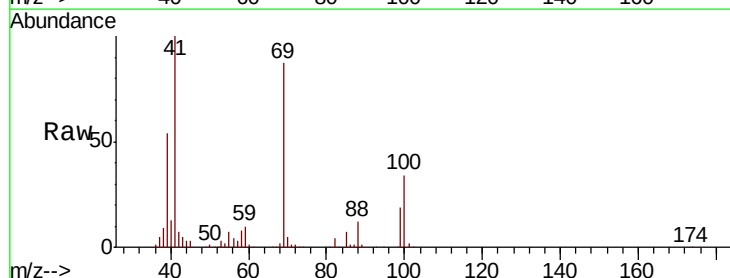
RT: 7.78 min Scan# 1180

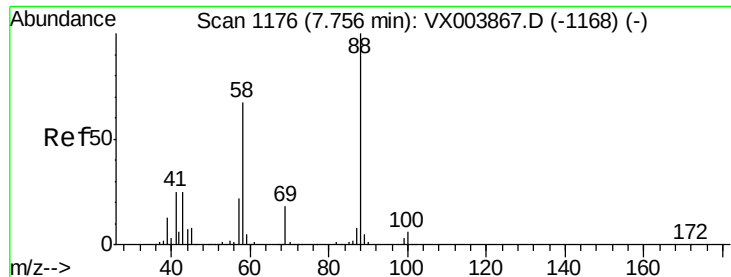
Delta R.T. 0.00 min

Lab File: VX003881.D

Acq: 07 Aug 2018 15:12

Tgt Ion:	41	Resp:	93595
Ion Ratio	Lower	Upper	
41	100		
69	87.0	68.8	103.2
39	52.3	42.3	63.5





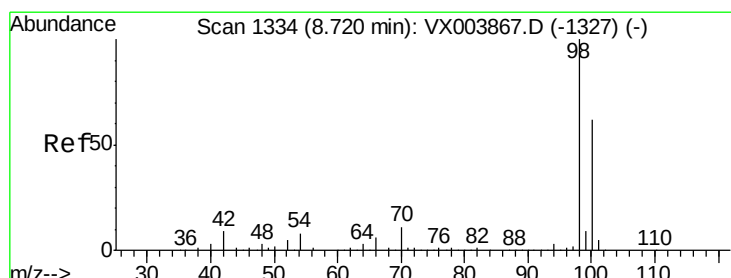
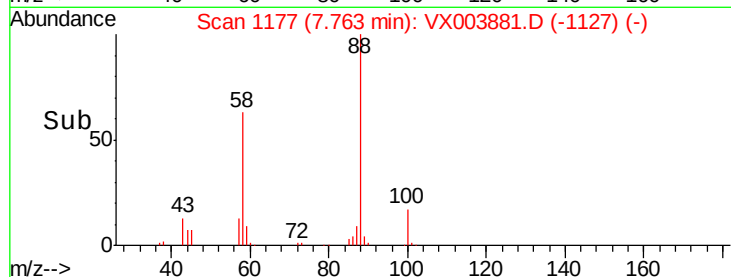
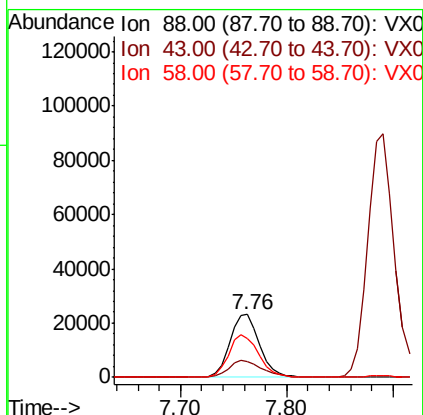
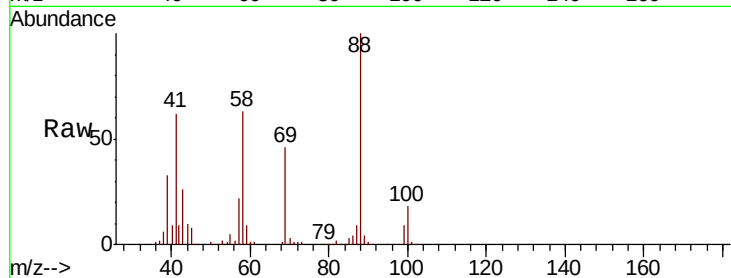
#49
1,4-Dioxane
Concen: 400.42 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. 0.01 min
Lab File: VX003881.D
Acq: 07 Aug 2018 15:12

Instrument :
MSVOA_X
ClientSampleId :
VX0807WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.9	23.8	35.8
58	69.7	55.4	83.0

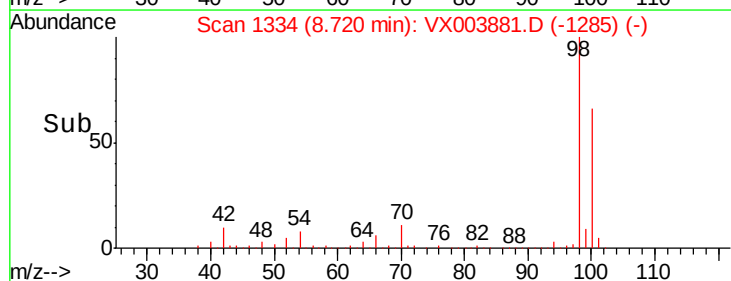
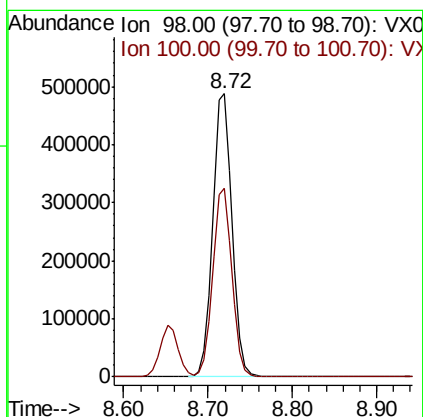
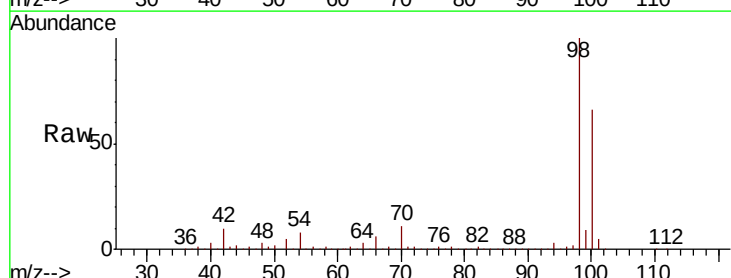
Manual Integrations
APPROVED

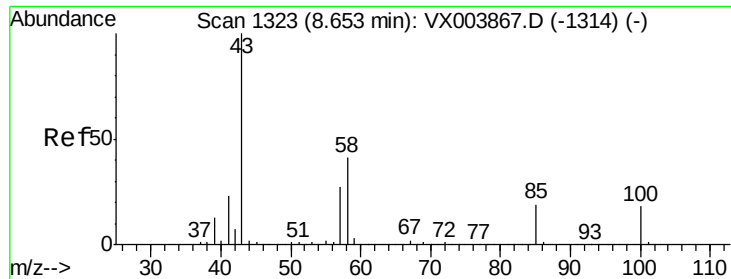
MMDadoda
8/8/2018 12:01:23 PM



#50
Toluene-d8
Concen: 51.28 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003881.D
Acq: 07 Aug 2018 15:12

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.5	53.3	79.9





#51

4-Methyl-2-Pentanone

Concen: 100.09 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VX003881.D

Acq: 07 Aug 2018 15:12

Instrument :

MSVOA_X

ClientSampleId :

VX0807WBSD01

Tot Ion: 43 Resp: 785617

Ion Ratio Lower Upper

43 100

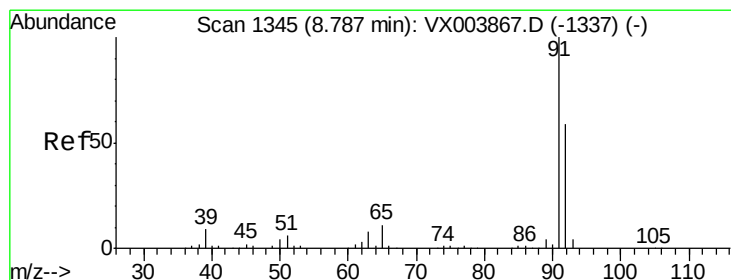
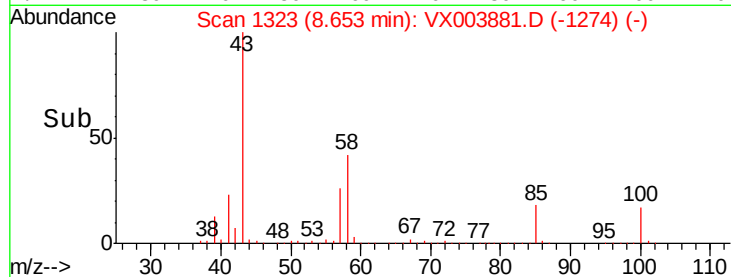
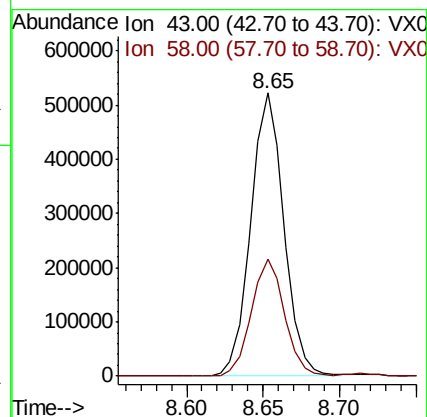
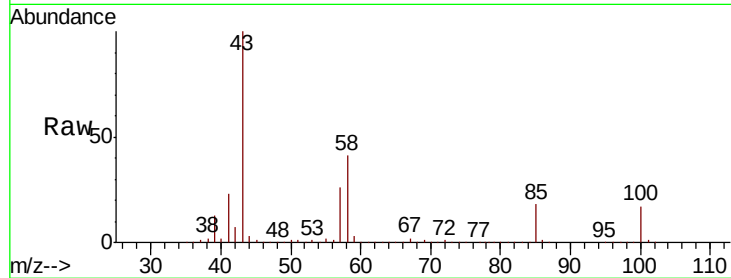
58 41.3 33.0 49.6

Manual Integrations

APPROVED

MMDadoda

8/8/2018 12:01:23 PM



#52

Toluene

Concen: 19.65 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX003881.D

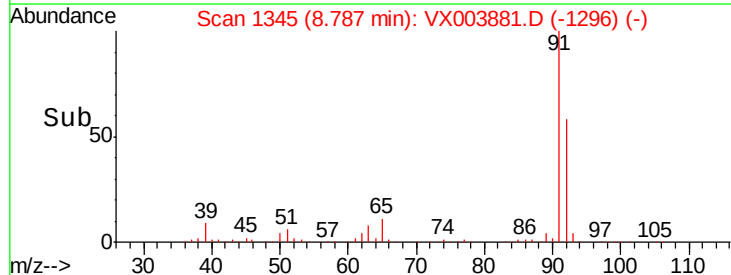
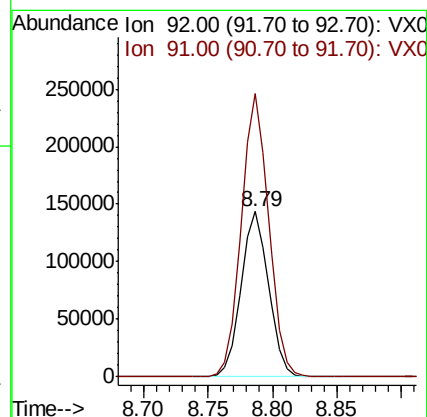
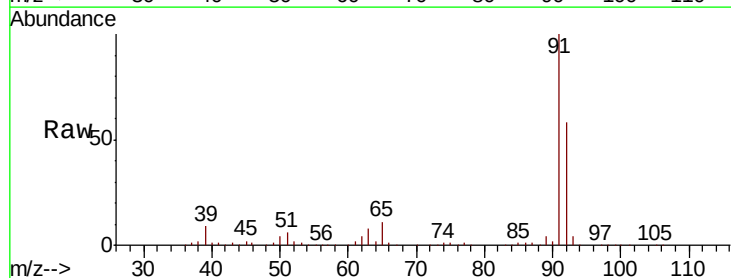
Acq: 07 Aug 2018 15:12

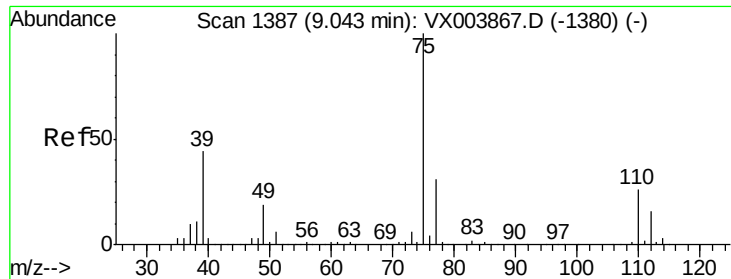
Tgt Ion: 92 Resp: 213330

Ion Ratio Lower Upper

92 100

91 170.2 136.1 204.1





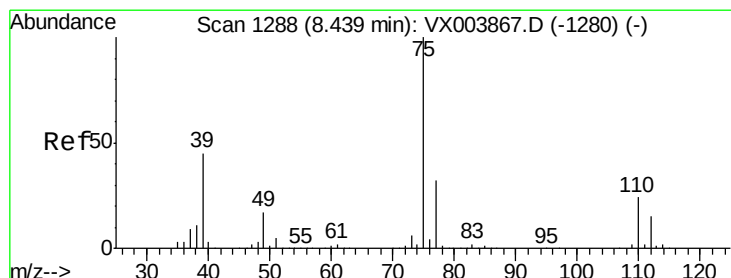
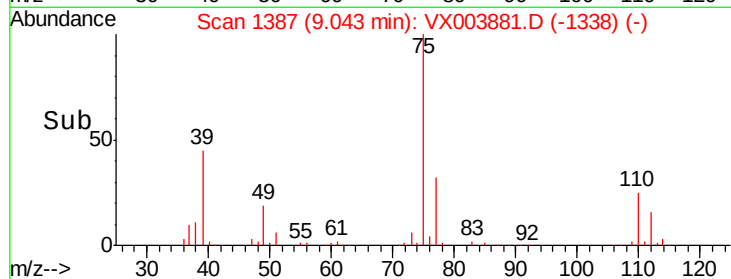
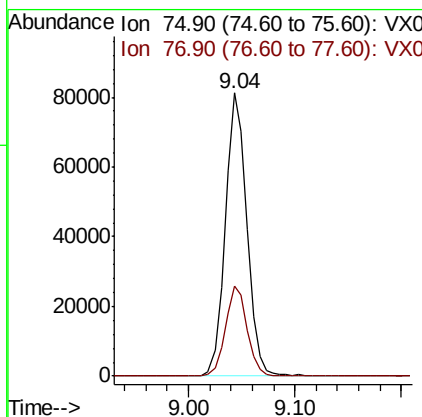
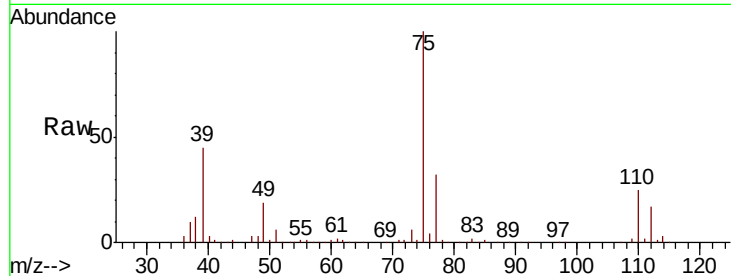
#53
 t-1,3-Dichloropropene
 Concen: 18.75 ug/l
 RT: 9.04 min Scan# 1387
 Delta R.T. 0.00 min
 Lab File: VX003881.D
 Acq: 07 Aug 2018 15:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0807WBSD01

Tot Ion: 75 Resp: 114984
 Ion Ratio Lower Upper
 75 100
 77 31.7 25.1 37.7

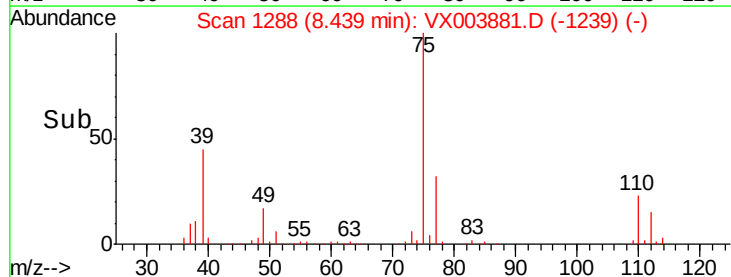
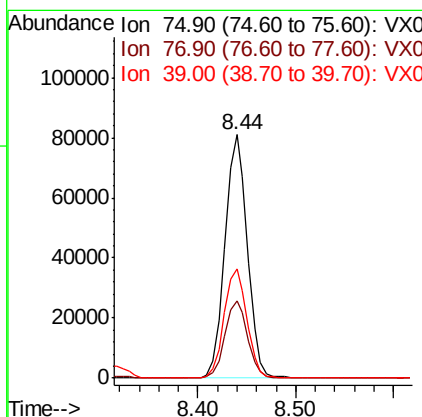
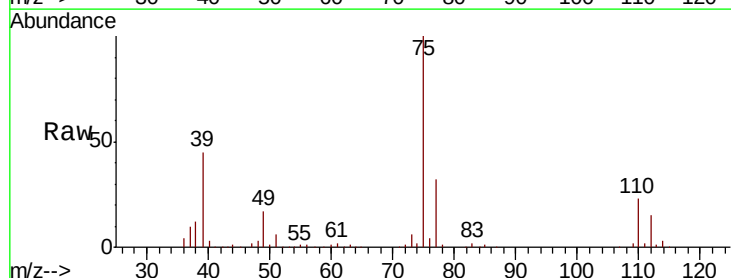
Manual Integrations
 APPROVED

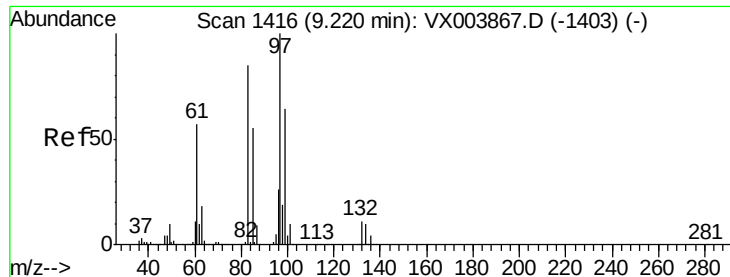
MMDadoda
 8/8/2018 12:01:23 PM



#54
 cis-1,3-Dichloropropene
 Concen: 19.40 ug/l
 RT: 8.44 min Scan# 1288
 Delta R.T. 0.00 min
 Lab File: VX003881.D
 Acq: 07 Aug 2018 15:12

Tgt Ion: 75 Resp: 128254
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.3 37.9
 39 44.7 36.2 54.2





#55

1,1,2-Trichloroethane

Concen: 19.63 ug/l

RT: 9.22 min Scan# 1416

Delta R.T. 0.00 min

Lab File: VX003881.D

Acq: 07 Aug 2018 15:12

Instrument :

MSVOA_X

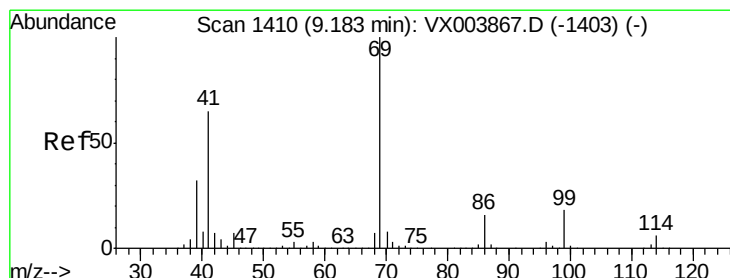
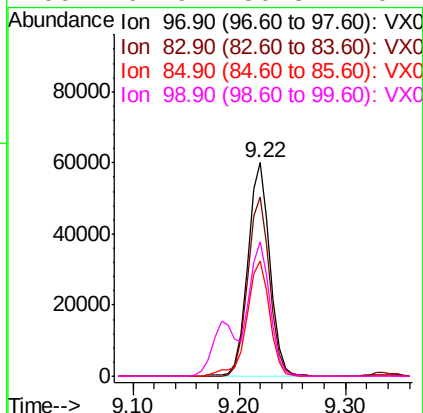
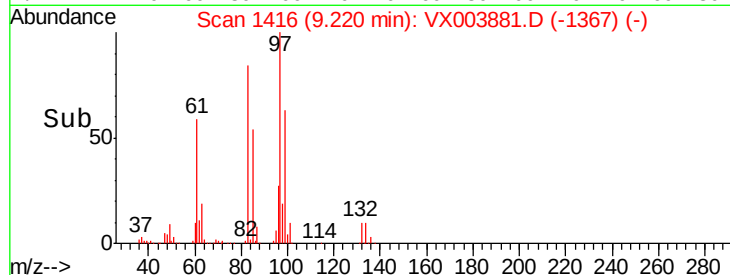
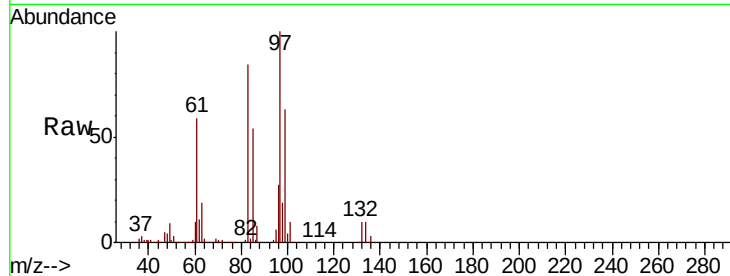
ClientSampleId :

VX0807WBSD01

Tot Ion:	97	Resp:	87073
Ion	Ratio	Lower	Upper
97	100		
83	84.0	67.8	101.6
85	54.0	44.2	66.2
99	62.9	50.8	76.2

Manual Integrations
APPROVED

MMDadoda
8/8/2018 12:01:23 PM



#56

Ethyl methacrylate

Concen: 18.69 ug/l

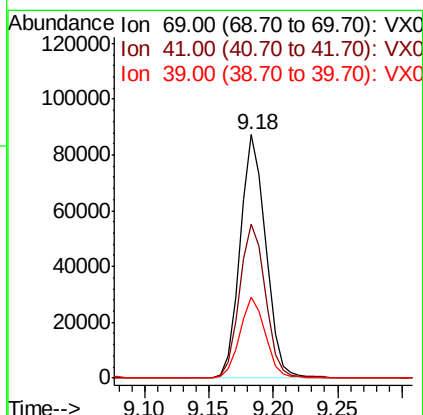
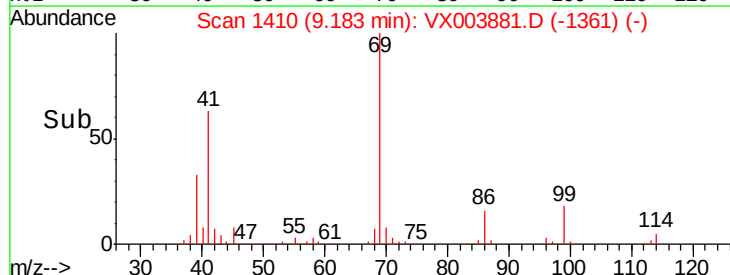
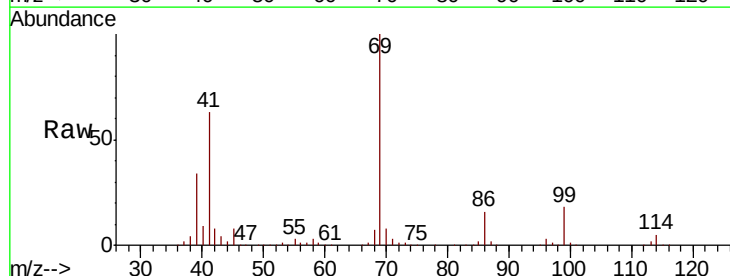
RT: 9.18 min Scan# 1410

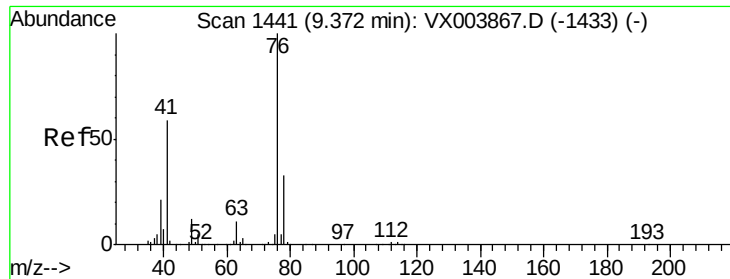
Delta R.T. 0.00 min

Lab File: VX003881.D

Acq: 07 Aug 2018 15:12

Tgt Ion:	69	Resp:	120262
Ion	Ratio	Lower	Upper
69	100		
41	63.9	50.6	76.0
39	32.8	25.8	38.6





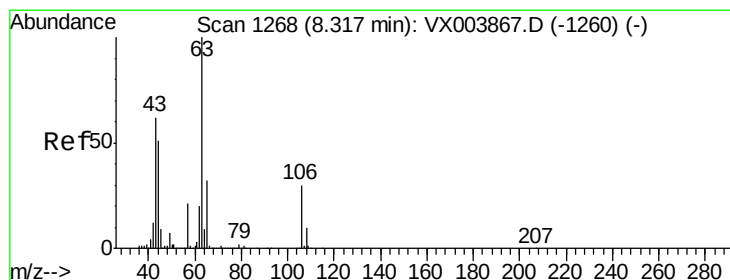
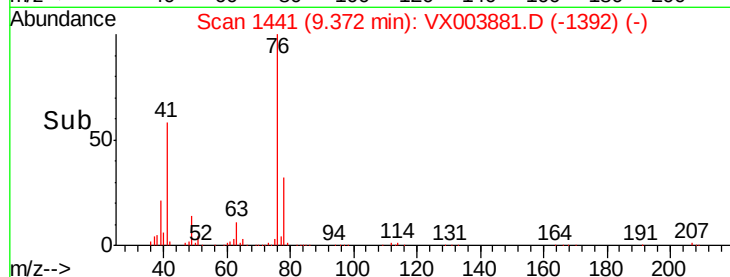
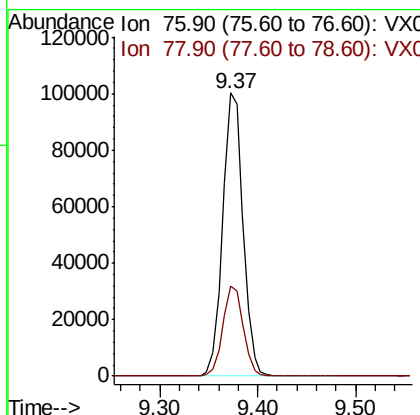
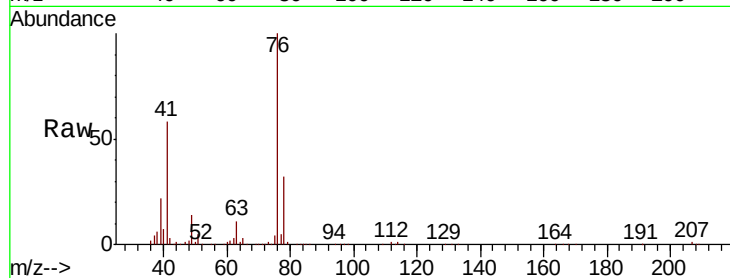
#57
 1,3-Dichloropropane
 Concen: 19.53 ug/l
 RT: 9.37 min Scan# 1441
 Delta R.T. 0.00 min
 Lab File: VX003881.D
 Acq: 07 Aug 2018 15:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0807WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.9	38.9

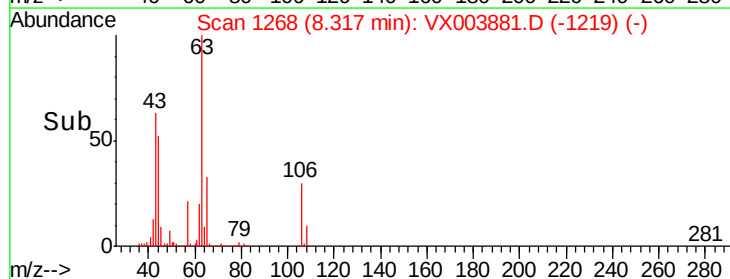
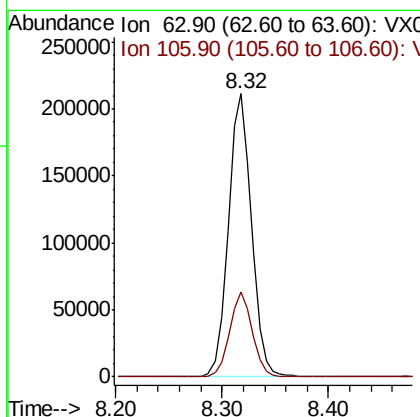
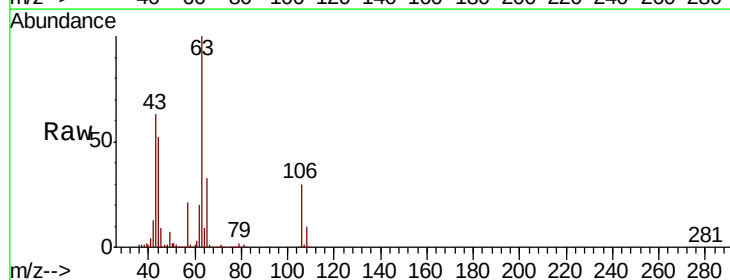
Manual Integrations
 APPROVED

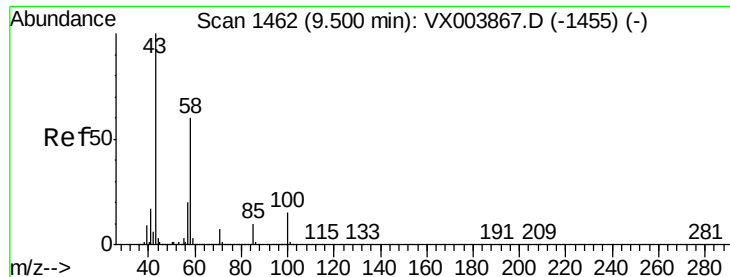
MMDadoda
 8/8/2018 12:01:23 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 101.26 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VX003881.D
 Acq: 07 Aug 2018 15:12

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.6	23.8	35.8





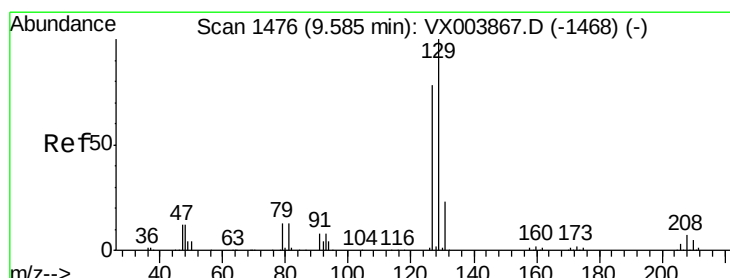
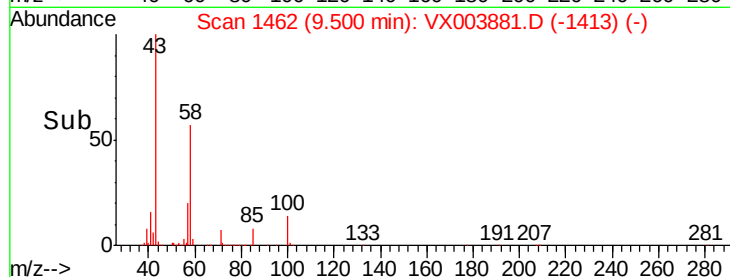
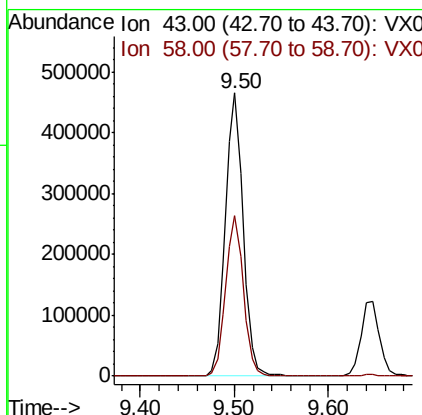
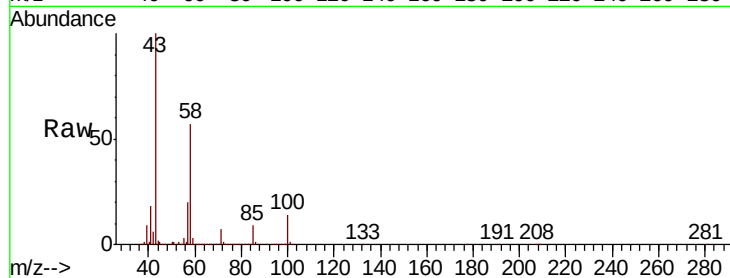
#59
2-Hexanone
Concen: 104.11 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX003881.D
Acq: 07 Aug 2018 15:12

Instrument :
MSVOA_X
ClientSampleId :
VX0807WBSD01

Tot Ion: 43 Resp: 610829
Ion Ratio Lower Upper
43 100
58 56.9 29.0 87.0

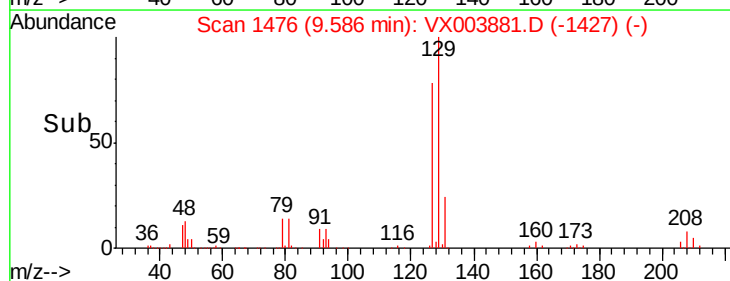
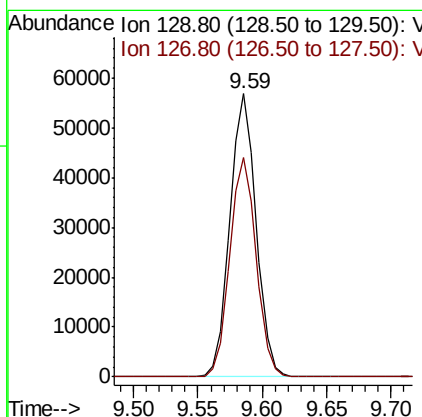
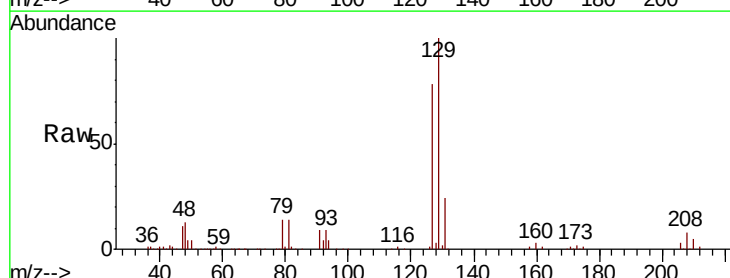
Manual Integrations
APPROVED

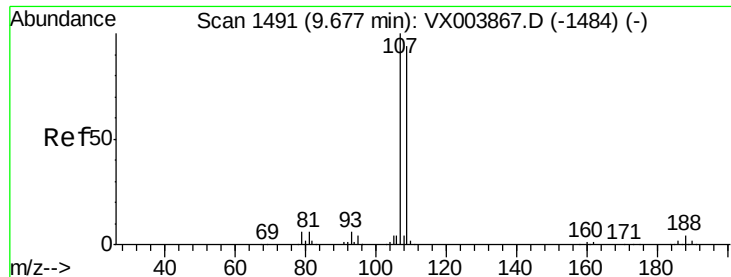
MMDadoda
8/8/2018 12:01:23 PM



#60
Dibromochloromethane
Concen: 19.65 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX003881.D
Acq: 07 Aug 2018 15:12

Tgt Ion: 129 Resp: 81241
Ion Ratio Lower Upper
129 100
127 77.7 38.8 116.3





#61

1,2-Dibromoethane

Concen: 20.30 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX003881.D

Acq: 07 Aug 2018 15:12

Instrument :

MSVOA_X

ClientSampleId :

VX0807WBSD01

Tot Ion:107 Resp: 90165

Ion Ratio Lower Upper

107 100

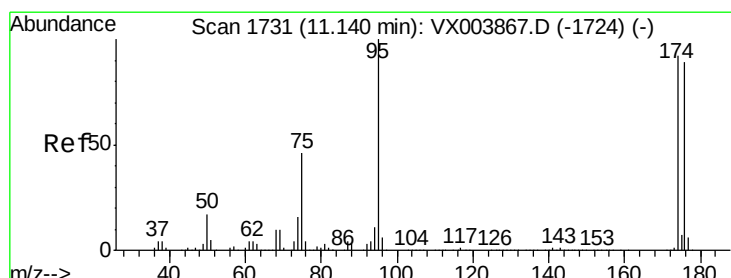
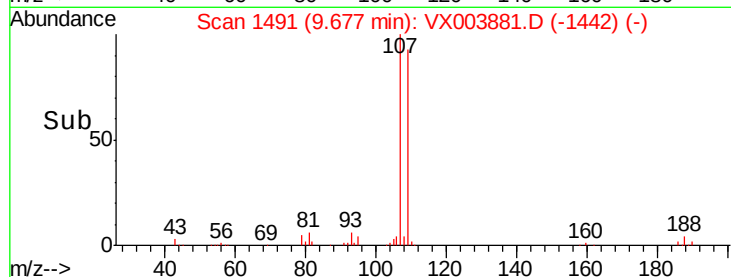
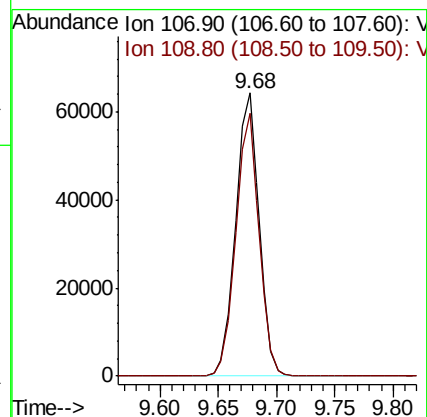
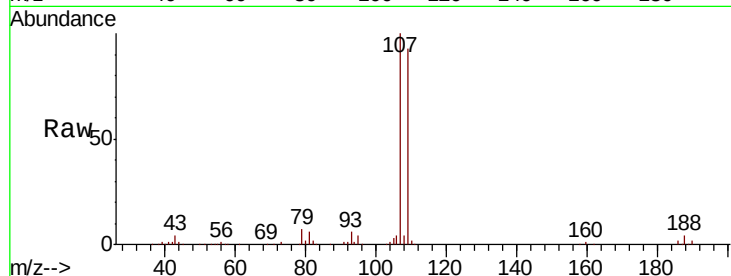
109 92.2 75.8 113.8

Manual Integrations

APPROVED

MMDadoda

8/8/2018 12:01:23 PM



#62

4-Bromofluorobenzene

Concen: 57.62 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003881.D

Acq: 07 Aug 2018 15:12

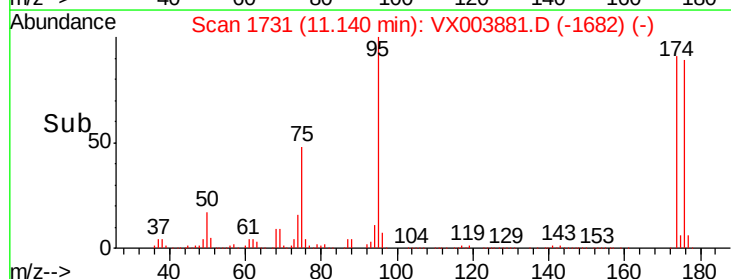
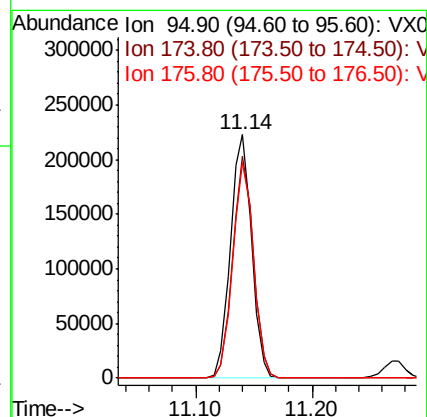
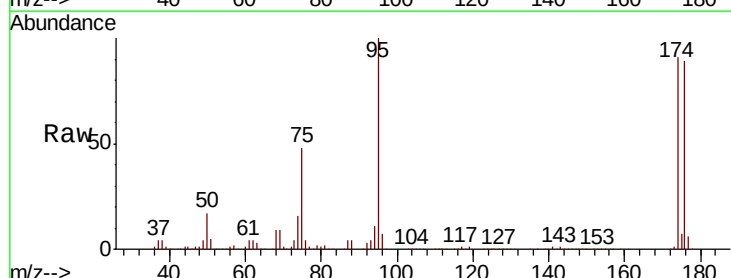
Tgt Ion: 95 Resp: 280558

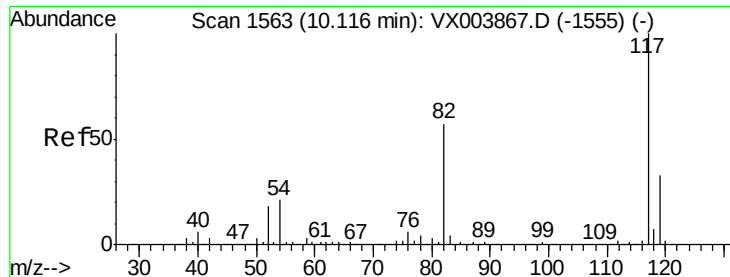
Ion Ratio Lower Upper

95 100

174 89.4 0.0 182.8

176 87.5 0.0 179.0





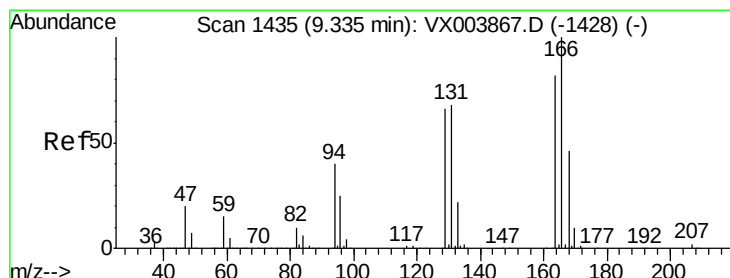
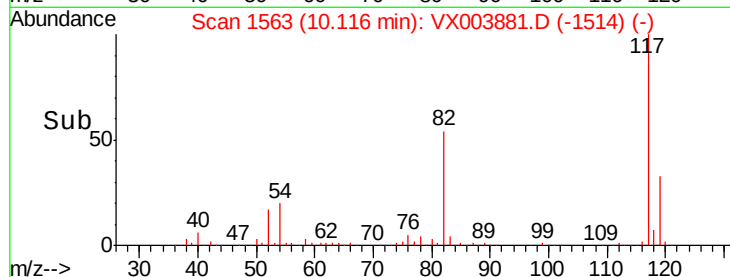
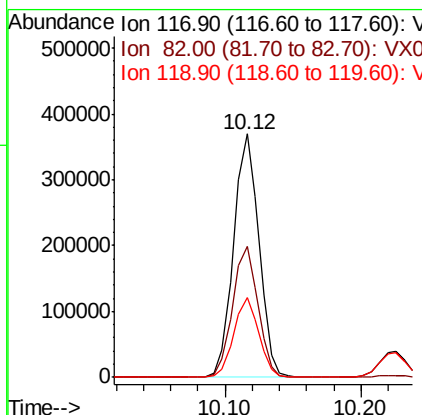
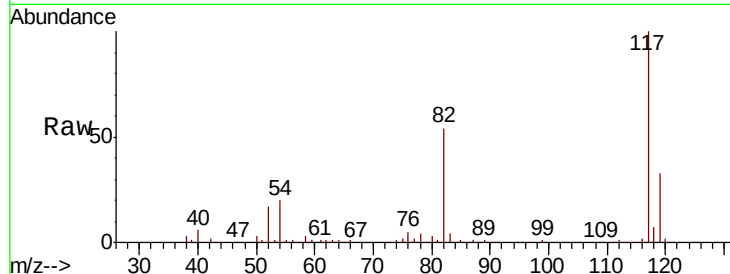
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003881.D
Acq: 07 Aug 2018 15:12

Instrument :
MSVOA_X
ClientSampleId :
VX0807WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.7	45.4	68.0
119	32.6	26.6	40.0

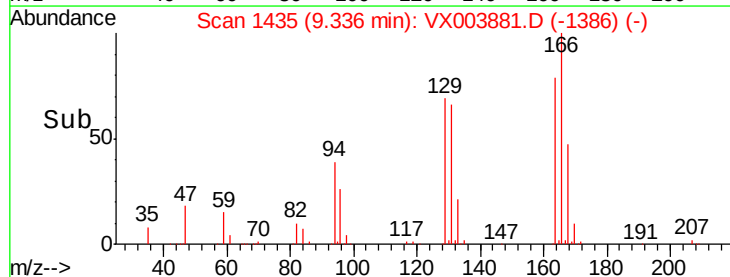
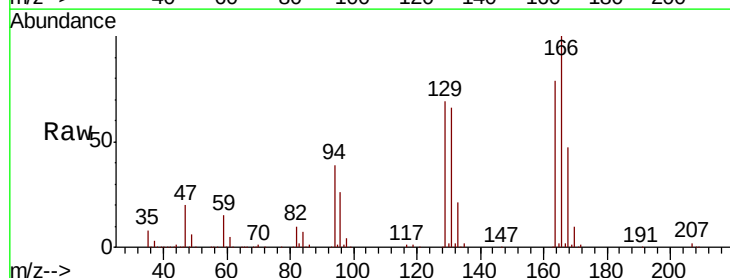
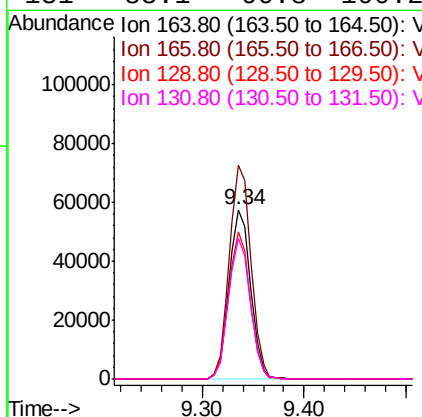
Manual Integrations
APPROVED

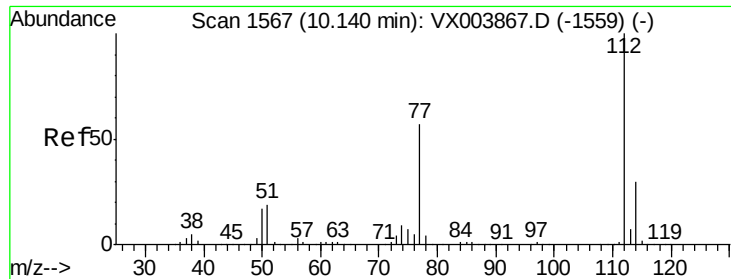
MMDadoda
8/8/2018 12:01:23 PM



#64
Tetrachloroethene
Concen: 17.78 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. 0.00 min
Lab File: VX003881.D
Acq: 07 Aug 2018 15:12

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.1	98.0	147.0
129	87.3	64.3	96.5
131	83.1	66.8	100.2





#65

Chlorobenzene

Concen: 18.86 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VX003881.D

Acq: 07 Aug 2018 15:12

Instrument :

MSVOA_X

ClientSampleId :

VX0807WBSD01

Tot Ion:112 Resp: 234763

Ion Ratio Lower Upper

112 100

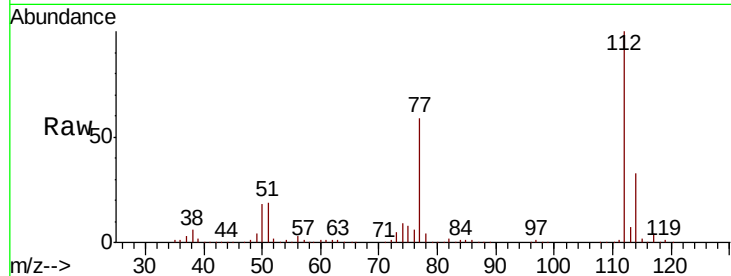
114 32.8 23.6 35.4

Manual Integrations

APPROVED

MMDadoda

8/8/2018 12:01:23 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

200000

150000

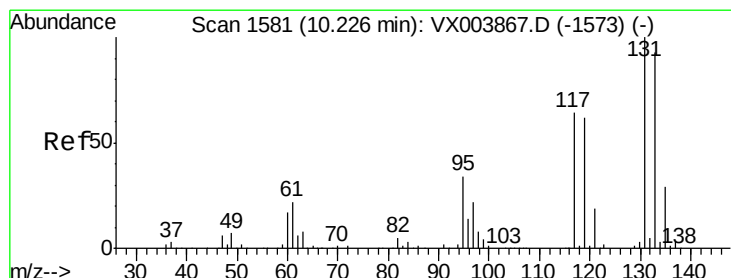
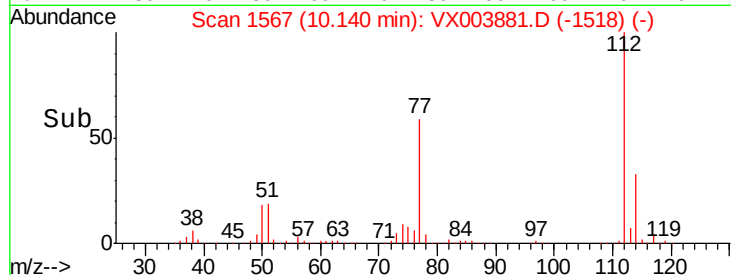
100000

50000

0

10.10 10.20 10.30

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 19.16 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VX003881.D

Acq: 07 Aug 2018 15:12

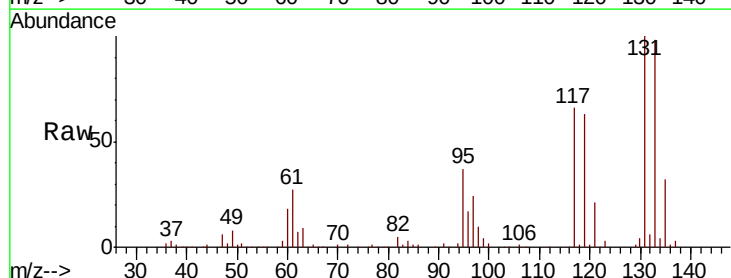
Tgt Ion:131 Resp: 82015

Ion Ratio Lower Upper

131 100

133 96.6 47.3 141.8

119 64.3 31.6 94.8



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

80000

60000

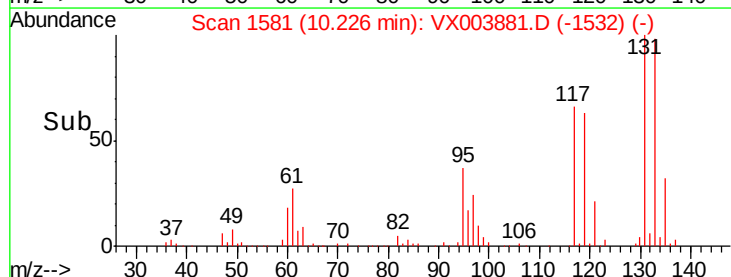
40000

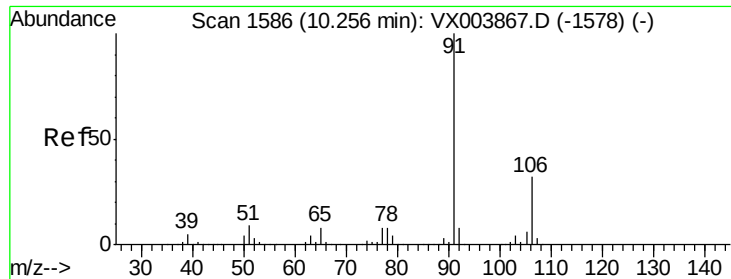
20000

0

10.15 10.20 10.25 10.30

Time-->





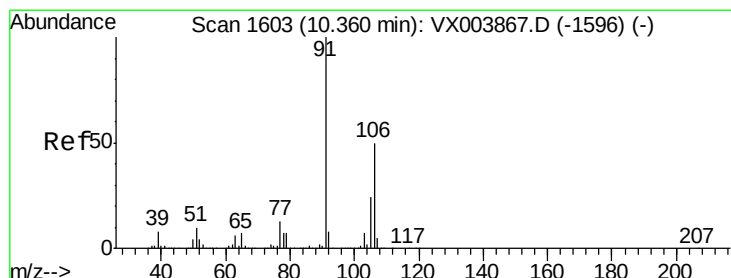
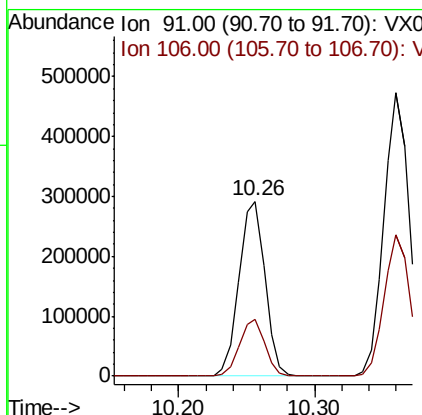
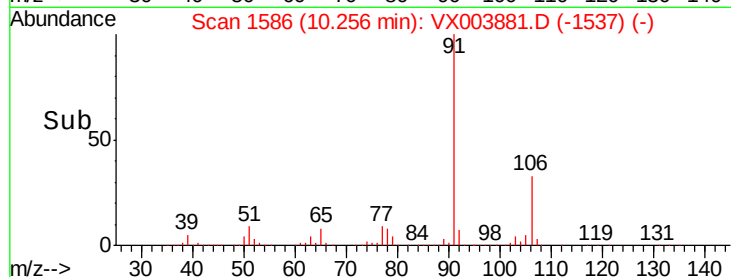
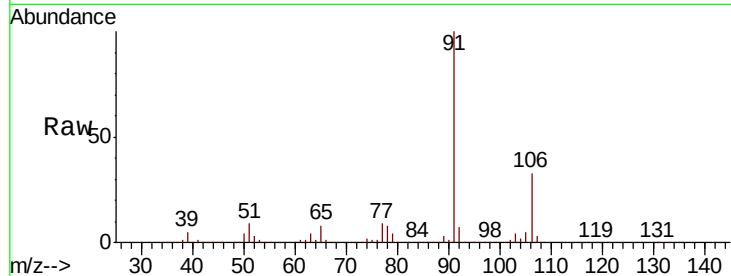
#67
Ethyl Benzene
Concen: 19.07 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX003881.D
Acq: 07 Aug 2018 15:12

Instrument :
MSVOA_X
ClientSampleId :
VX0807WBSD01

Tot Ion: 91 Resp: 388710
Ion Ratio Lower Upper
91 100
106 32.7 25.9 38.9

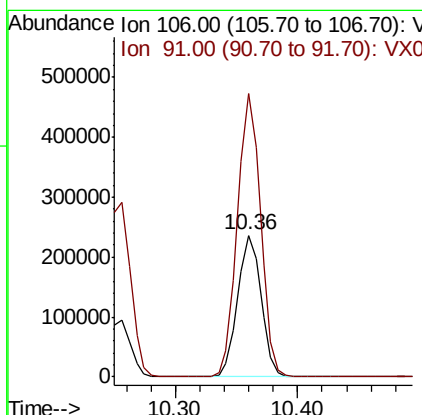
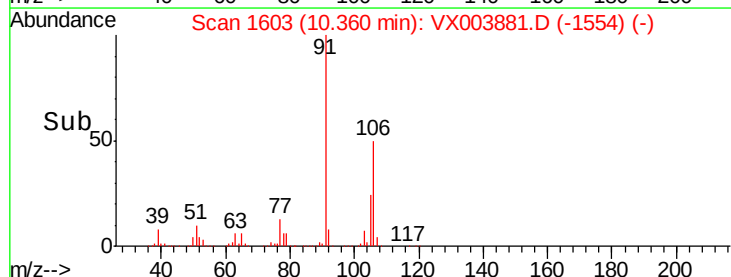
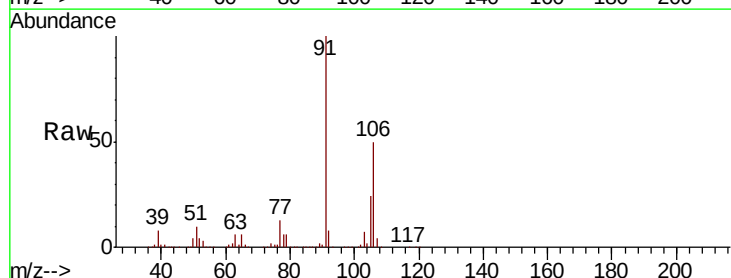
Manual Integrations
APPROVED

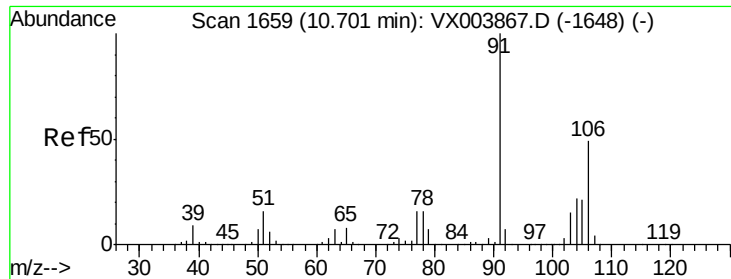
MMDadoda
8/8/2018 12:01:23 PM



#68
m/p-Xylenes
Concen: 39.24 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX003881.D
Acq: 07 Aug 2018 15:12

Tgt Ion: 106 Resp: 312464
Ion Ratio Lower Upper
106 100
91 198.6 162.3 243.5





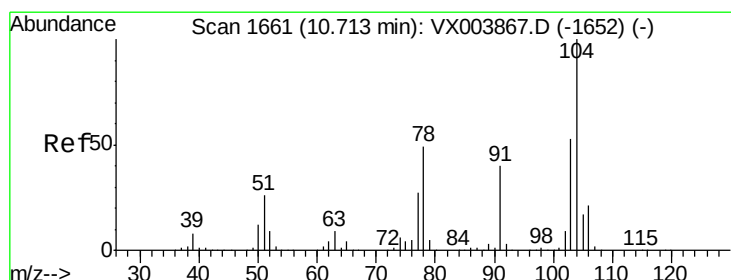
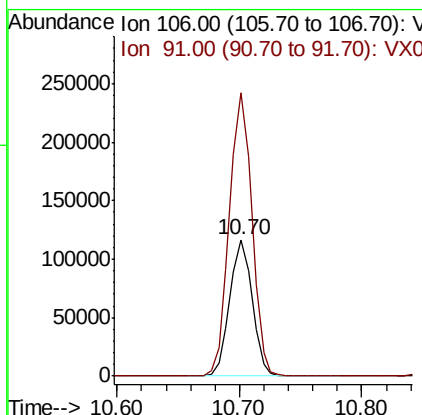
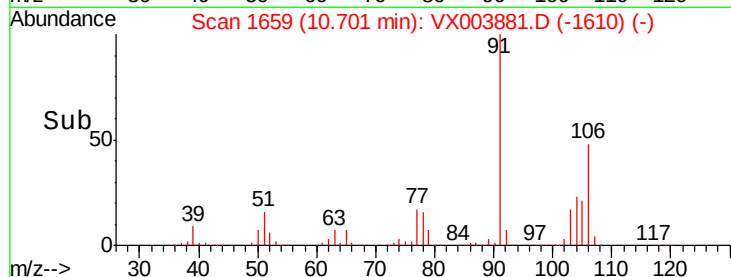
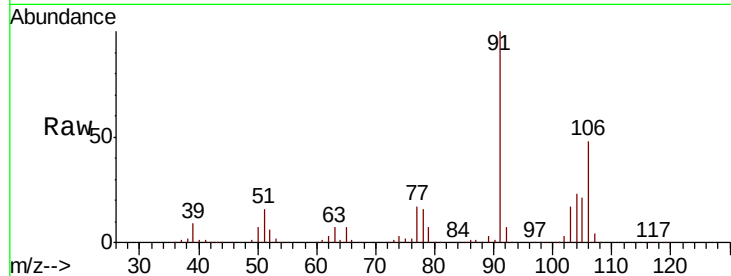
#69
o-Xylene
Concen: 19.66 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003881.D
Acq: 07 Aug 2018 15:12

Instrument :
MSVOA_X
ClientSampled :
VX0807WBSD01

Tot Ion:106 Resp: 147807
Ion Ratio Lower Upper
106 100
91 209.0 101.9 305.7

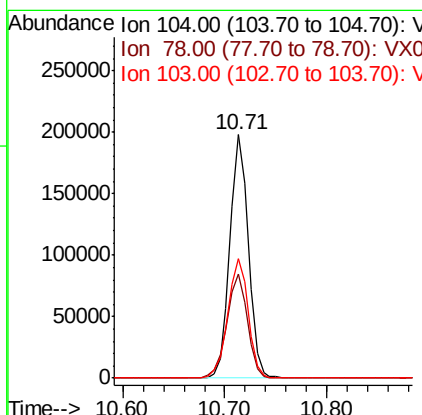
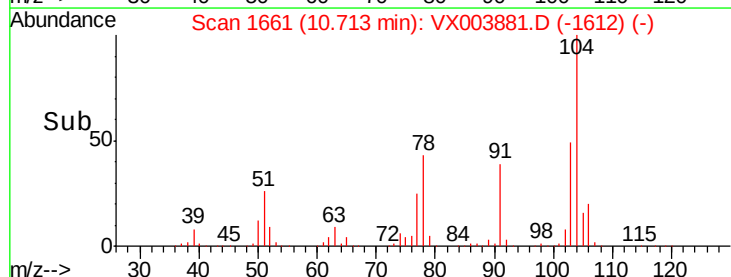
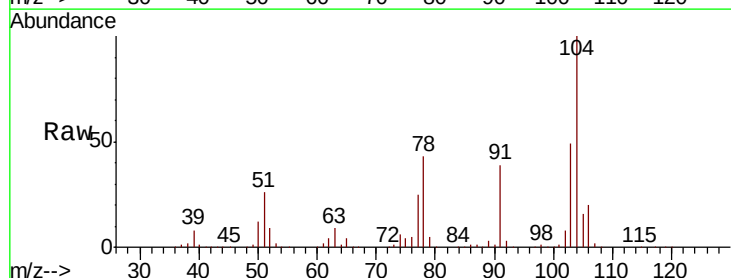
Manual Integrations
APPROVED

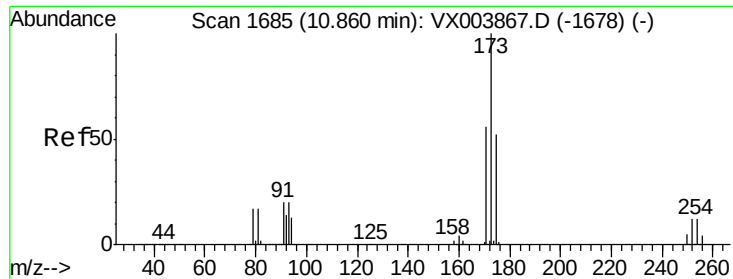
MMDadoda
8/8/2018 12:01:23 PM



#70
Styrene
Concen: 20.10 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003881.D
Acq: 07 Aug 2018 15:12

Tgt Ion:104 Resp: 247358
Ion Ratio Lower Upper
104 100
78 47.8 39.8 59.6
103 53.9 44.3 66.5





#71

Bromoform

Concen: 18.92 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX003881.D

Acq: 07 Aug 2018 15:12

Instrument :

MSVOA_X

ClientSampleId :

VX0807WBSD01

Tot Ion:173 Resp: 61697

Ion Ratio Lower Upper

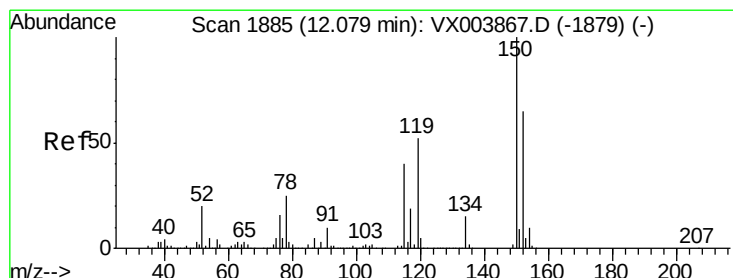
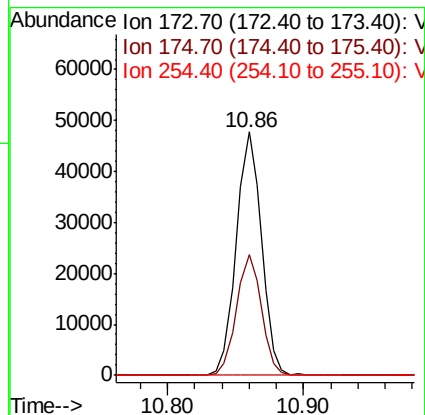
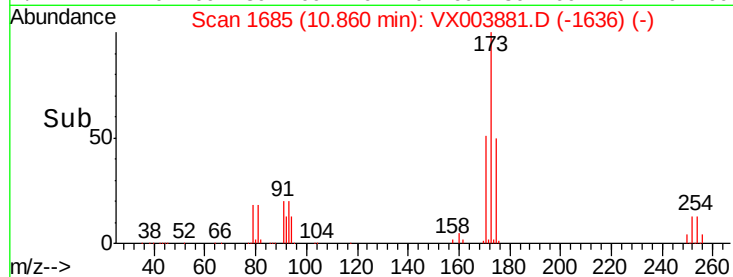
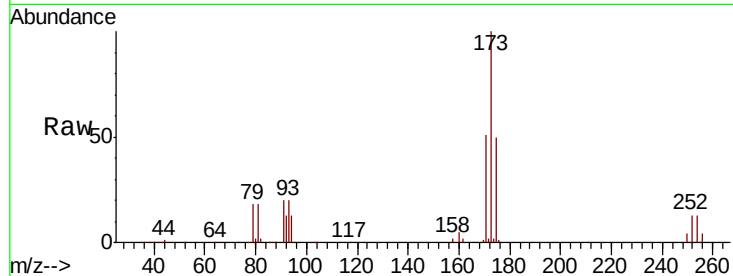
173 100

175 49.1 24.9 74.7

254 0.2 0.2 0.2#

Manual Integrations
APPROVED

MMDadoda
8/8/2018 12:01:23 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX003881.D

Acq: 07 Aug 2018 15:12

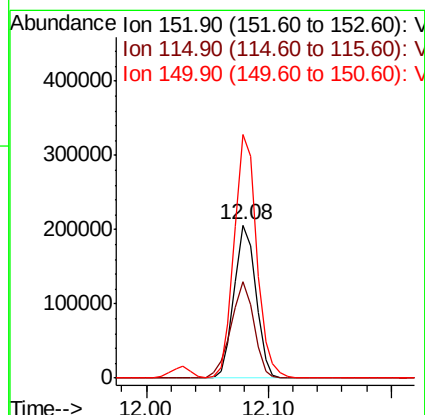
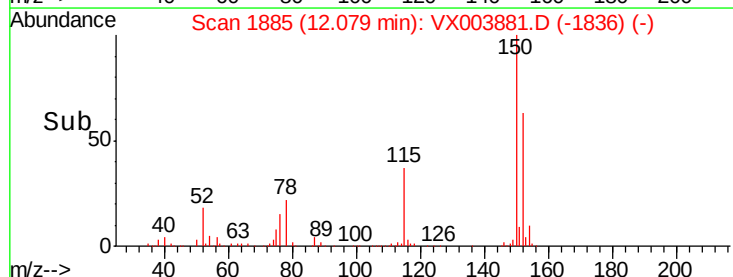
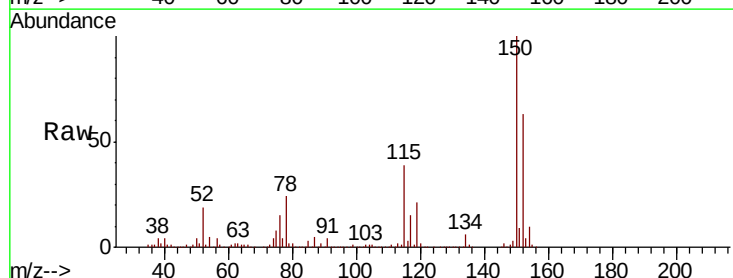
Tgt Ion:152 Resp: 252026

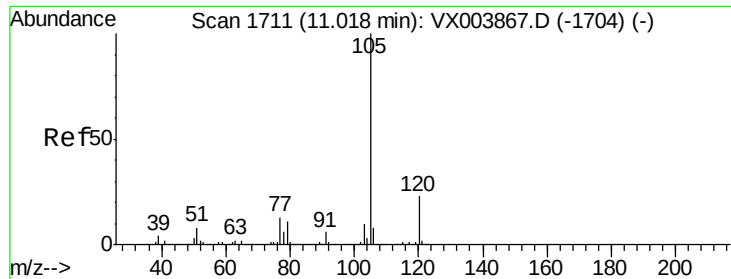
Ion Ratio Lower Upper

152 100

115 67.1 39.1 117.3

150 165.2 0.0 349.2





#73

Isopropylbenzene

Concen: 21.23 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. 0.00 min

Lab File: VX003881.D

Acq: 07 Aug 2018 15:12

Instrument :

MSVOA_X

ClientSampled :

VX0807WBSD01

Tot Ion: 105 Resp: 395843

Ion Ratio Lower Upper

105 100

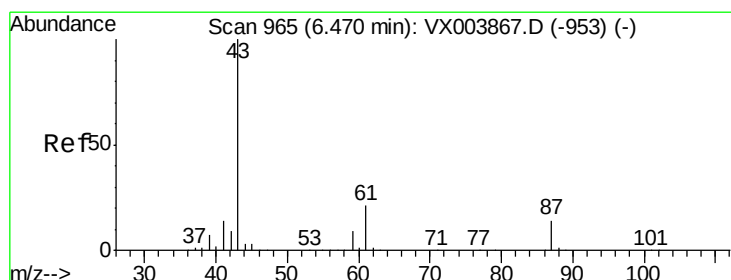
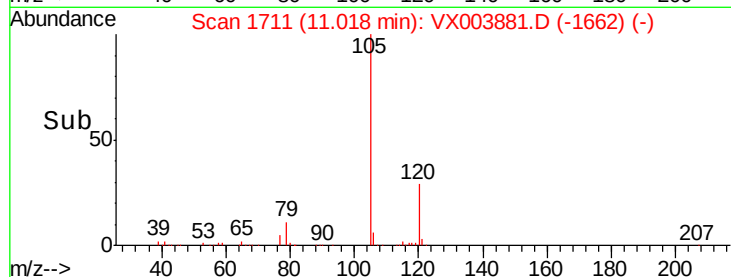
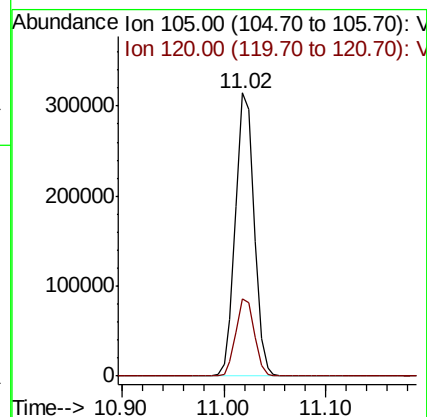
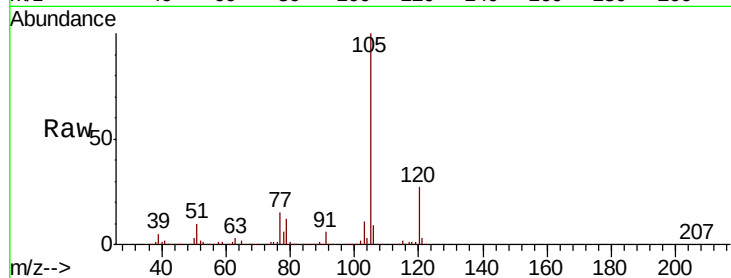
120 27.0 12.6 37.8

Manual Integrations

APPROVED

MMDadoda

8/8/2018 12:01:23 PM



#74

N-ethyl acetate

Concen: 18.67 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.00 min

Lab File: VX003881.D

Acq: 07 Aug 2018 15:12

Tgt Ion: 43 Resp: 181010

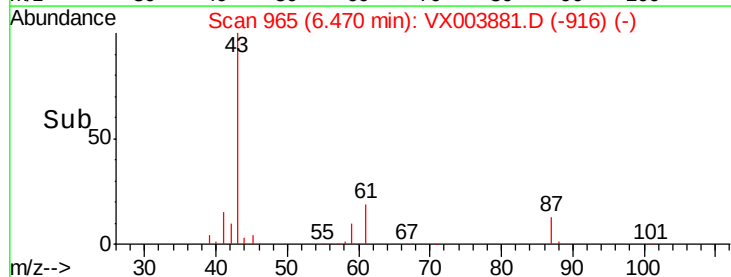
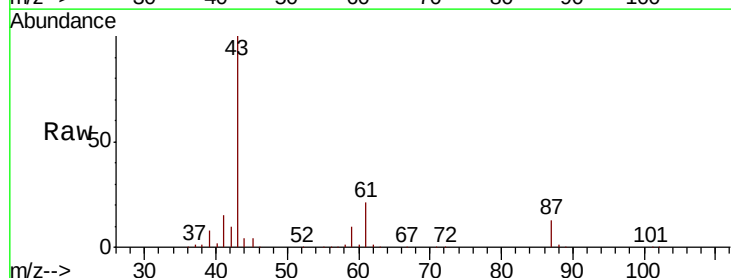
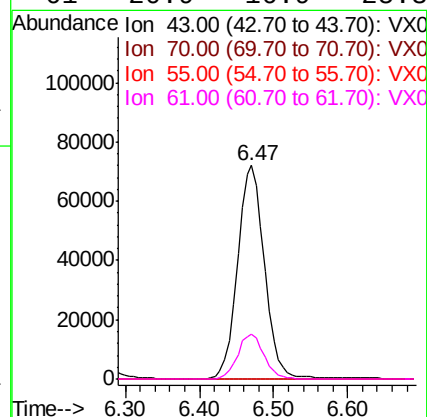
Ion Ratio Lower Upper

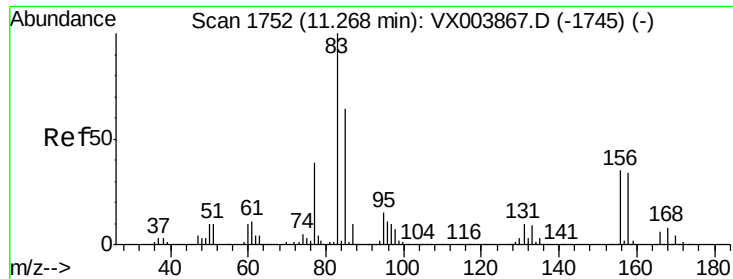
43 100

70 0.0 0.0 0.0

55 0.1 0.1 0.1#

61 20.9 16.9 25.3





#75

1,1,2,2-Tetrachloroethane

Concen: 21.06 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. 0.00 min

Lab File: VX003881.D

Acq: 07 Aug 2018 15:12

Instrument :

MSVOA_X

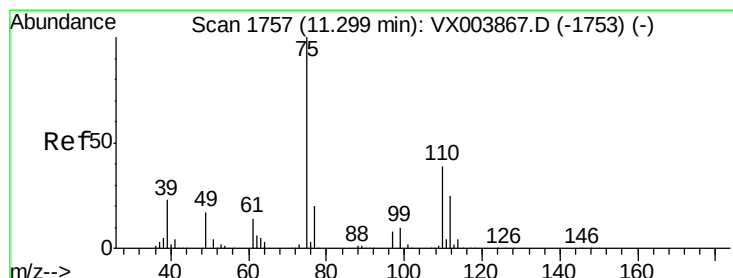
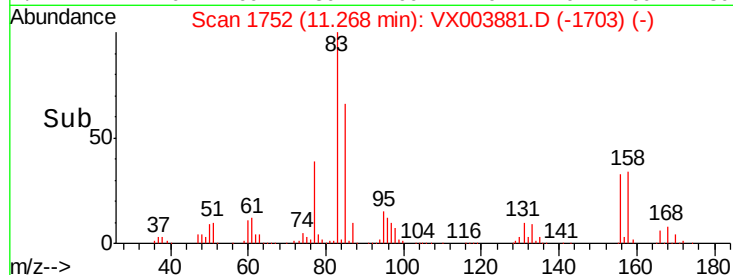
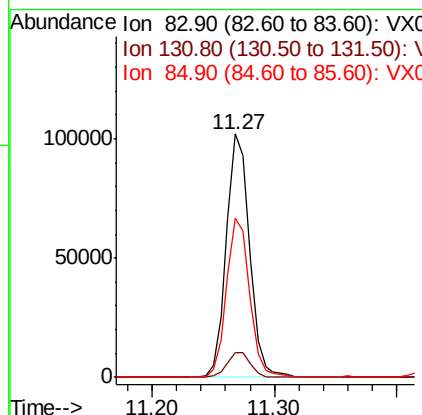
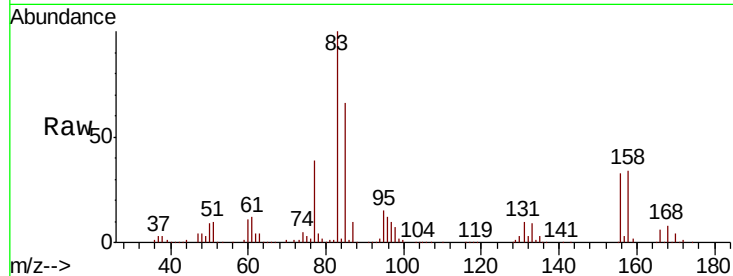
ClientSampled :

VX0807WBSD01

Tot Ion:	83	Resp:	134557
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.2	15.6
85	65.3	32.2	96.6

Manual Integrations
APPROVED

MMDadoda
8/8/2018 12:01:23 PM



#76

1,2,3-Trichloropropane

Concen: 21.43 ug/l m

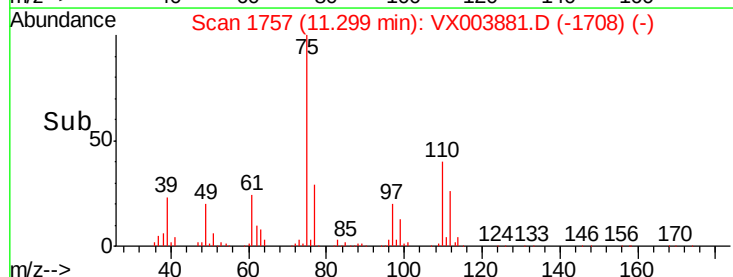
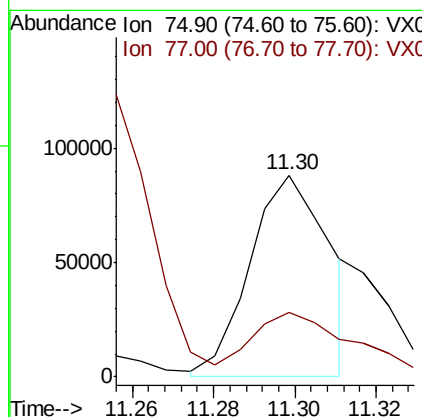
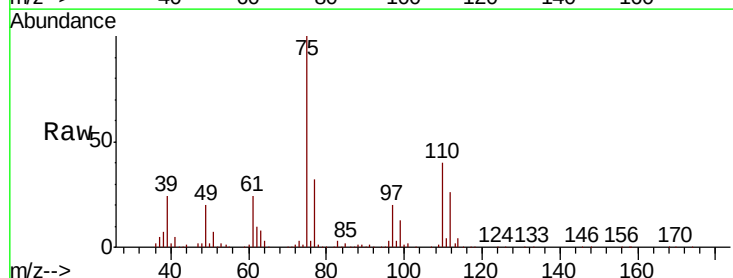
RT: 11.30 min Scan# 1757

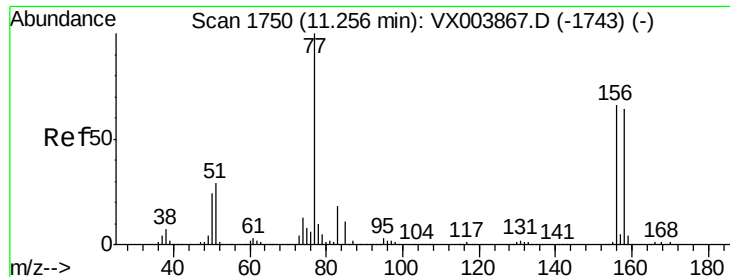
Delta R.T. 0.00 min

Lab File: VX003881.D

Acq: 07 Aug 2018 15:12

Tgt Ion:	75	Resp:	119289
Ion Ratio	Lower	Upper	
75	100		
77	41.1	20.8	62.5





#77

Bromobenzene

Concen: 21.06 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX003881.D

Acq: 07 Aug 2018 15:12

Instrument :

MSVOA_X

ClientSampleId :

VX0807WBSD01

Tot Ion:156 Resp: 104759

Ion Ratio Lower Upper

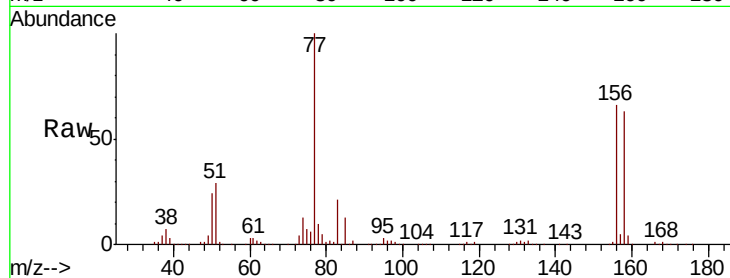
156 100

77 149.3 74.1 222.2

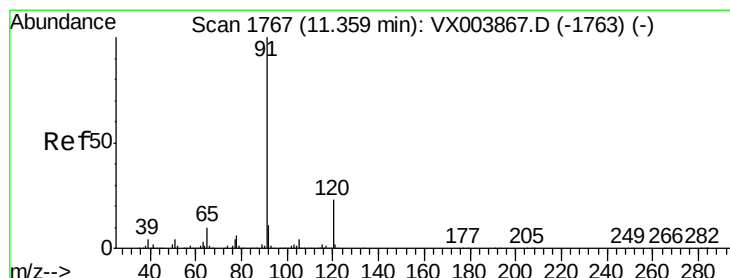
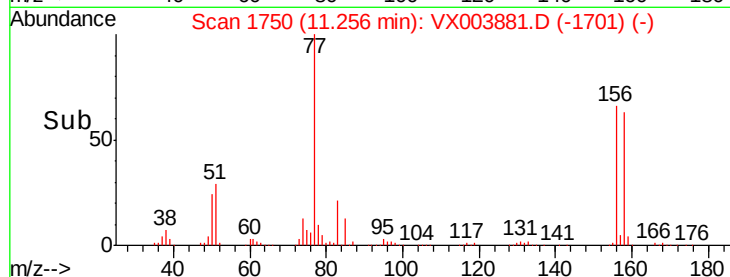
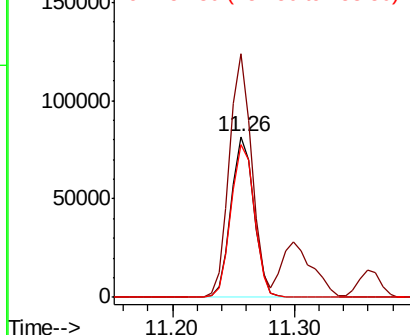
158 97.5 48.6 145.9

Manual Integrations
APPROVED

MMDadoda
8/8/2018 12:01:23 PM



Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VX0
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.39 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. 0.00 min

Lab File: VX003881.D

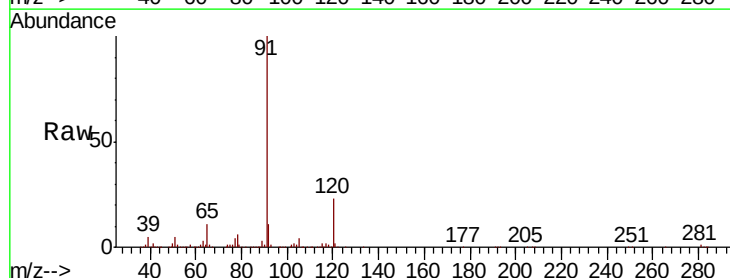
Acq: 07 Aug 2018 15:12

Tgt Ion: 91 Resp: 447905

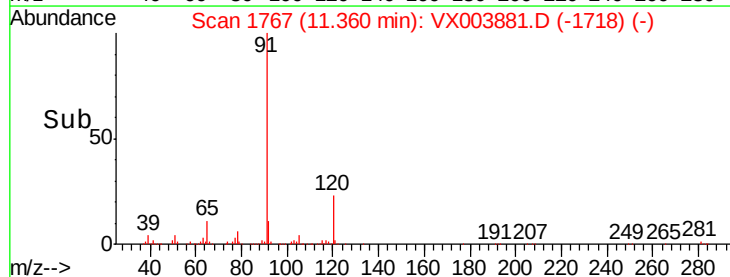
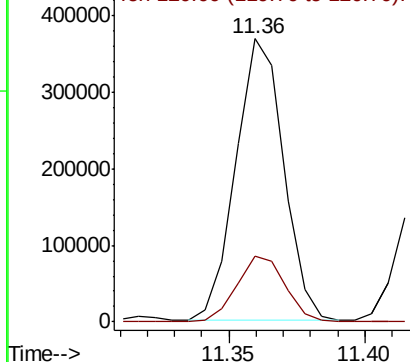
Ion Ratio Lower Upper

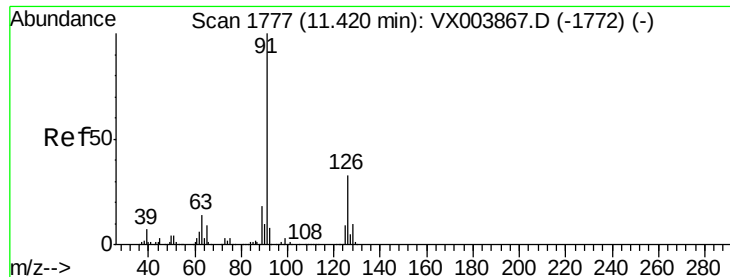
91 100

120 23.8 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.26 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. 0.00 min

Lab File: VX003881.D

Acq: 07 Aug 2018 15:12

Instrument :

MSVOA_X

ClientSampleId :

VX0807WBSD01

Tot Ion: 91 Resp: 271392

Ion Ratio Lower Upper

91 100

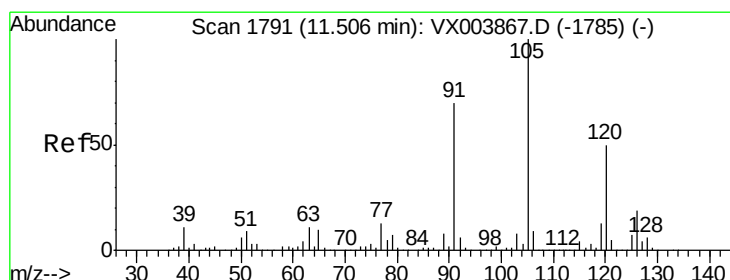
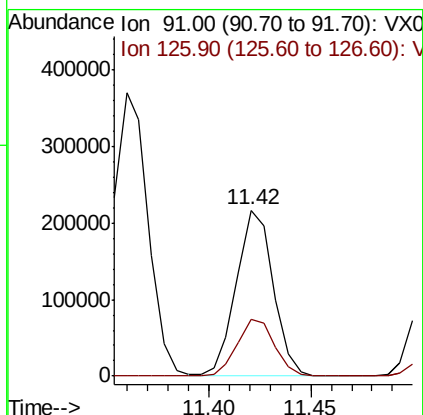
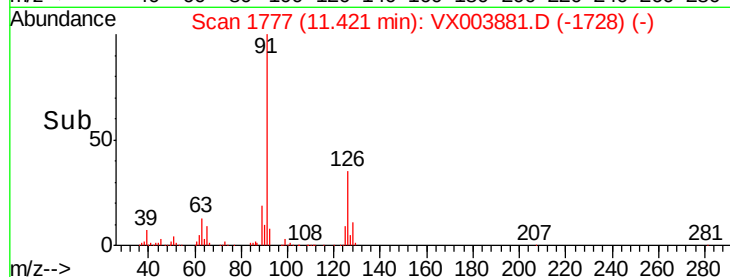
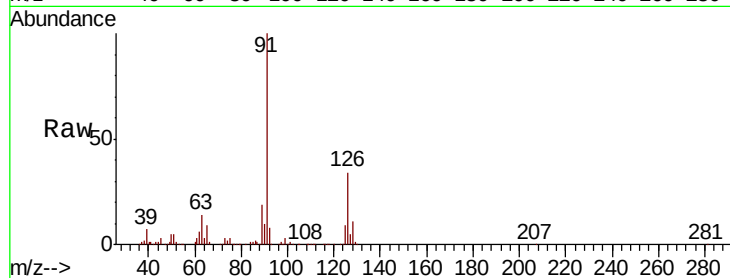
126 35.1 17.4 52.3

Manual Integrations

APPROVED

MMDadoda

8/8/2018 12:01:23 PM



#80

1,3,5-Trimethylbenzene

Concen: 21.81 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VX003881.D

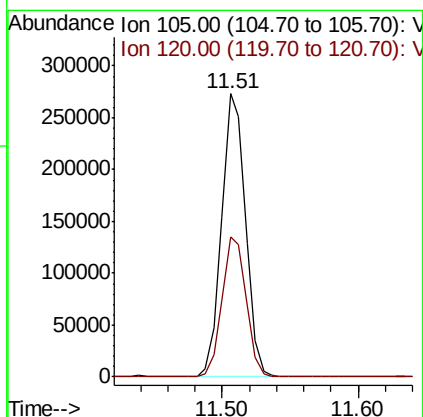
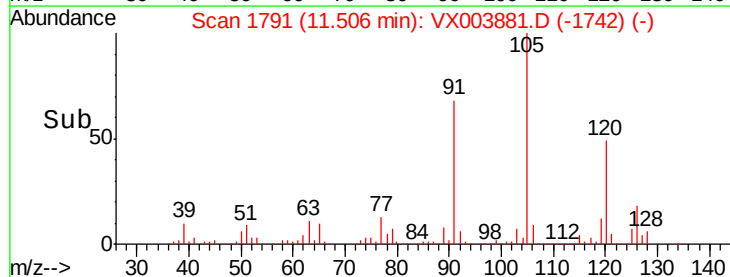
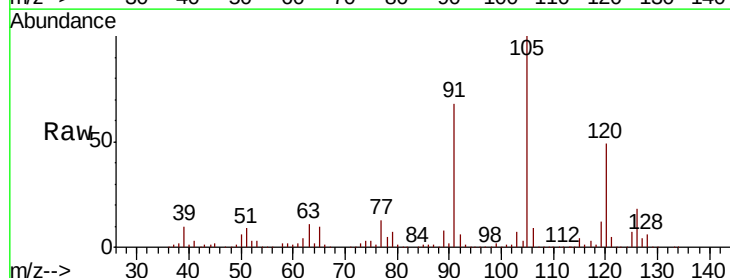
Acq: 07 Aug 2018 15:12

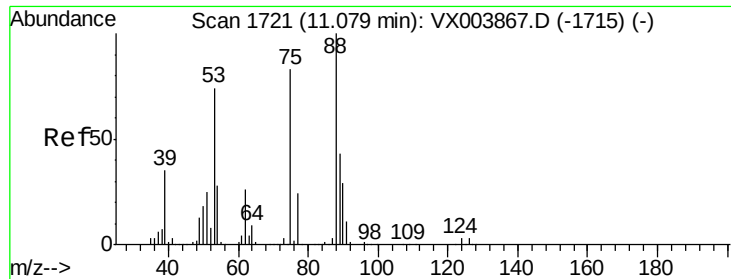
Tgt Ion: 105 Resp: 331507

Ion Ratio Lower Upper

105 100

120 50.1 25.4 76.2





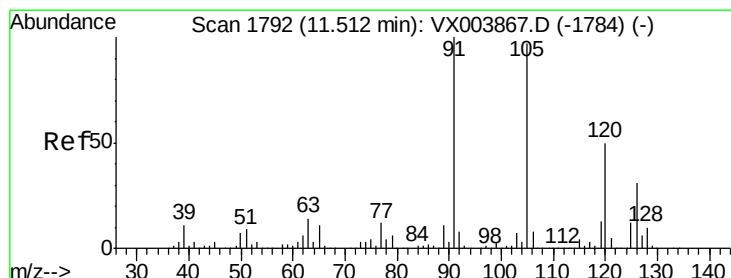
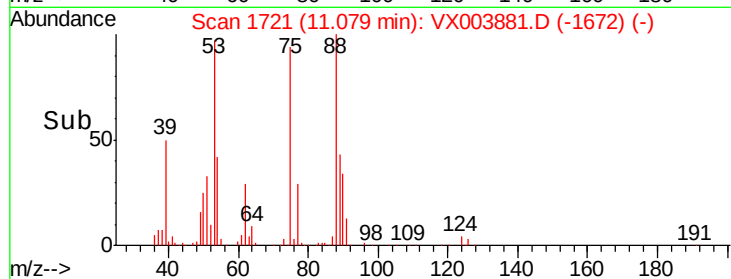
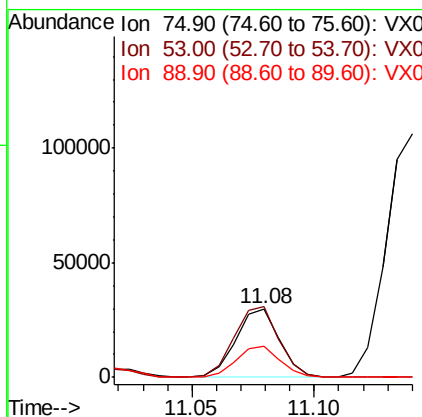
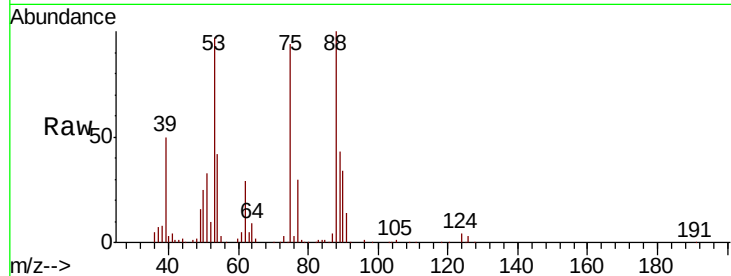
#81
trans-1,4-Dichloro-2-butene
Concen: 19.57 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VX003881.D
Acq: 07 Aug 2018 15:12

Instrument :
MSVOA_X
ClientSampleId :
VX0807WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	105.2	80.3	120.5
89	45.6	37.8	56.8

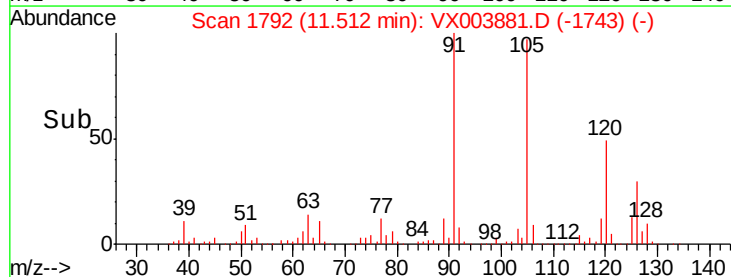
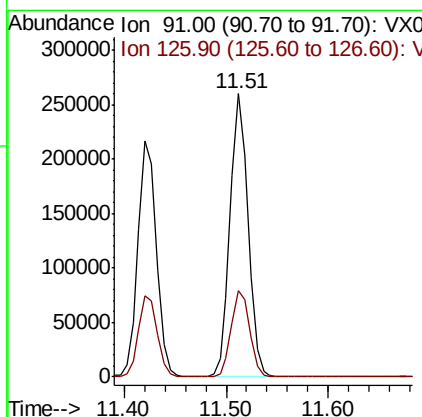
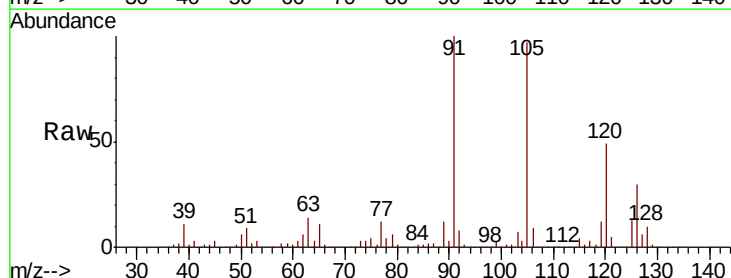
Manual Integrations
APPROVED

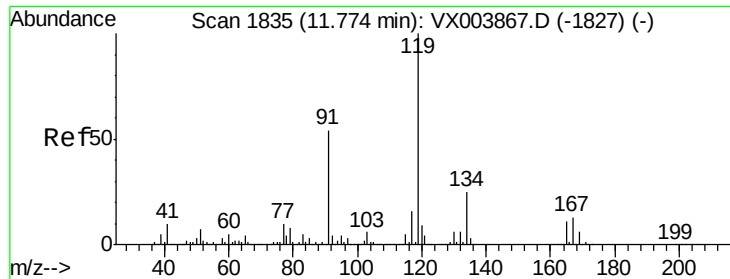
MMDadoda
8/8/2018 12:01:23 PM



#82
4-Chlorotoluene
Concen: 21.19 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX003881.D
Acq: 07 Aug 2018 15:12

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.1	15.6	46.7





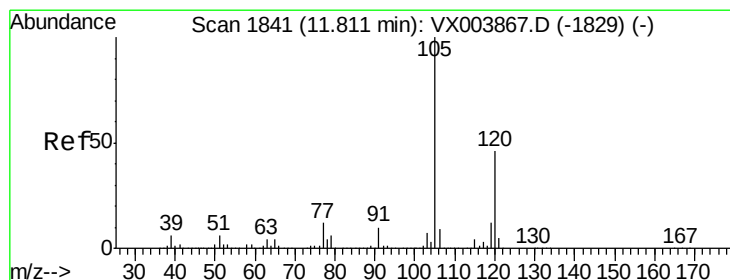
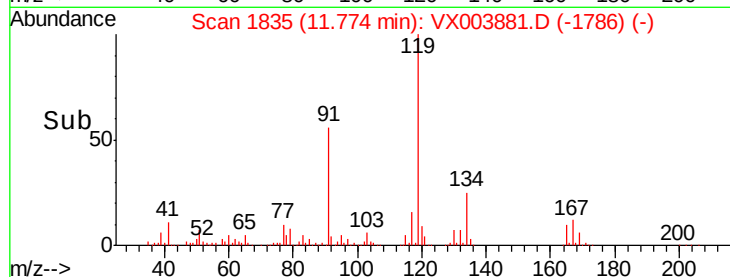
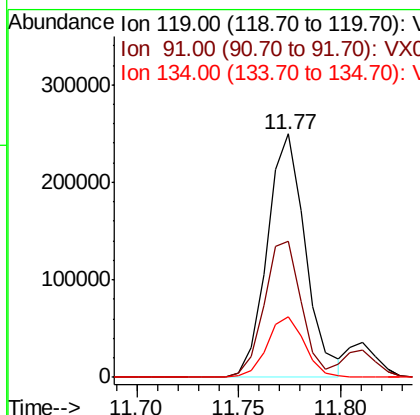
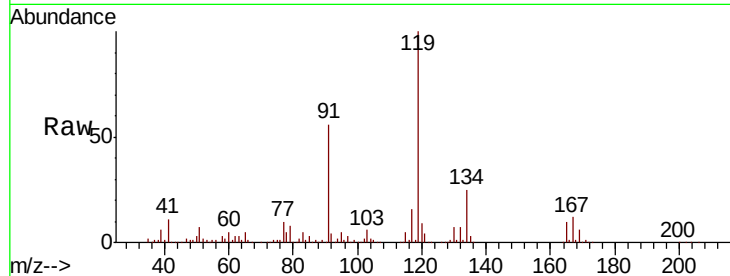
#83
 tert-Butylbenzene
 Concen: 21.81 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX003881.D
 Acq: 07 Aug 2018 15:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0807WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	326177		
91	54.4	26.9	80.7	
134	24.3	12.0	36.0	

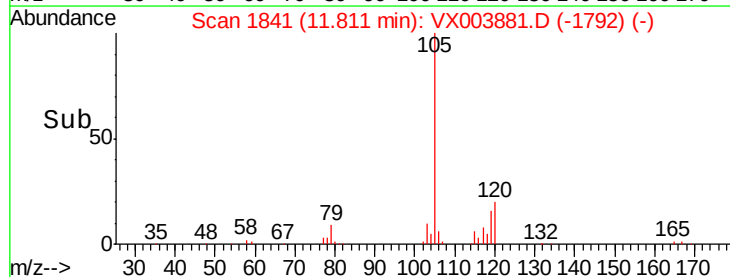
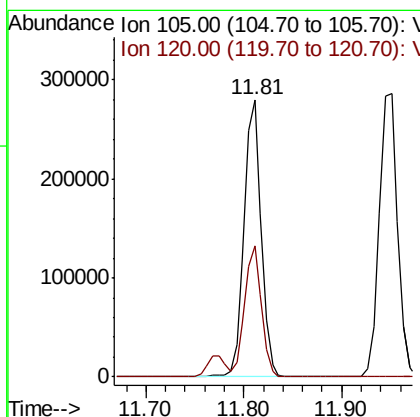
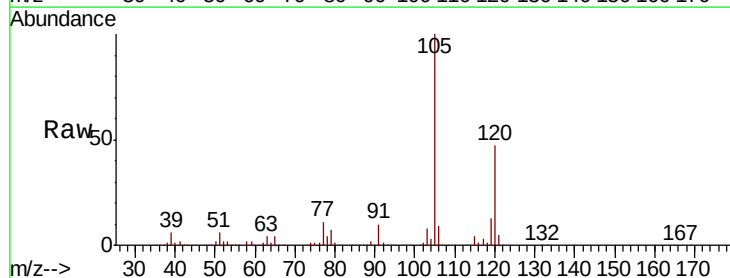
Manual Integrations
 APPROVED

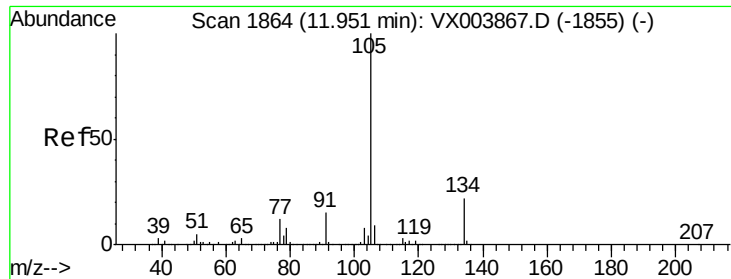
MMDadoda
 8/8/2018 12:01:23 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 22.26 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX003881.D
 Acq: 07 Aug 2018 15:12

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	340260		
120	46.3	23.1	69.2	





#85

sec-Butylbenzene

Concen: 21.05 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX003881.D

Acq: 07 Aug 2018 15:12

Instrument :

MSVOA_X

ClientSampleId :

VX0807WBSD01

Tot Ion:105 Resp: 371461

Ion Ratio Lower Upper

105 100

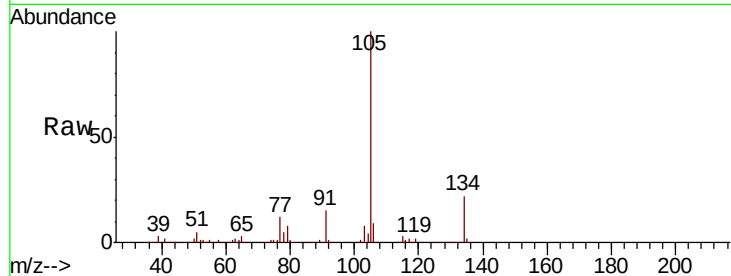
134 21.2 10.3 30.9

Manual Integrations

APPROVED

MMDadoda

8/8/2018 12:01:23 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.95

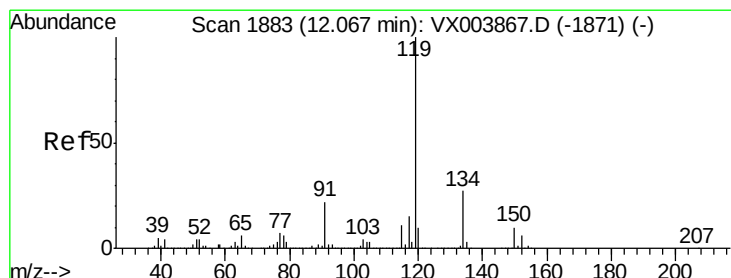
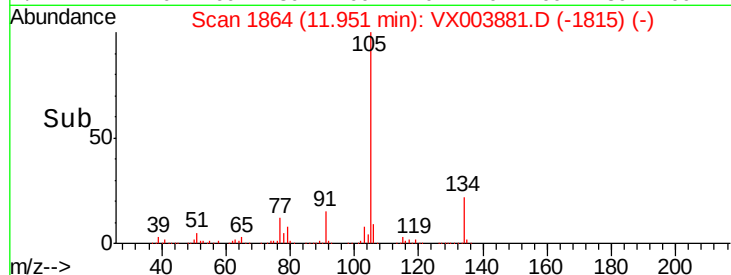
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 19.98 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX003881.D

Acq: 07 Aug 2018 15:12

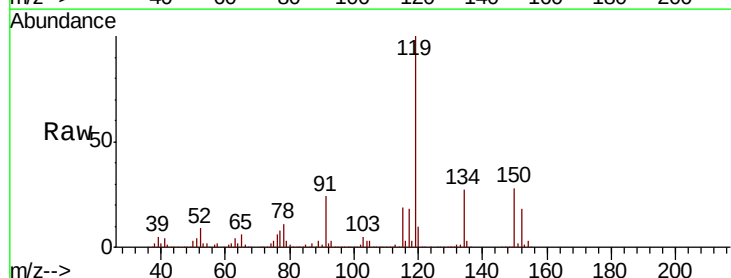
Tgt Ion:119 Resp: 316442

Ion Ratio Lower Upper

119 100

134 26.9 13.3 39.8

91 23.1 10.9 32.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

12.07

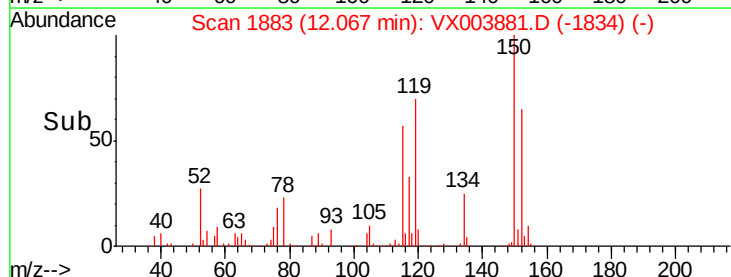
300000

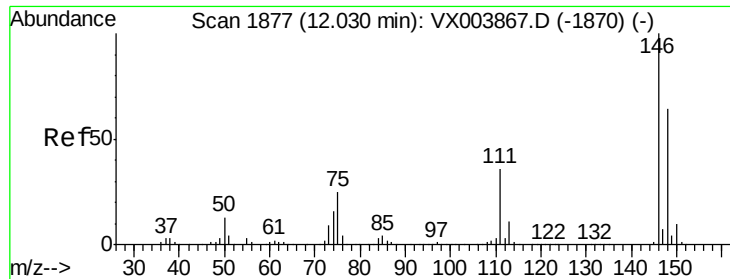
200000

100000

0

Time-->





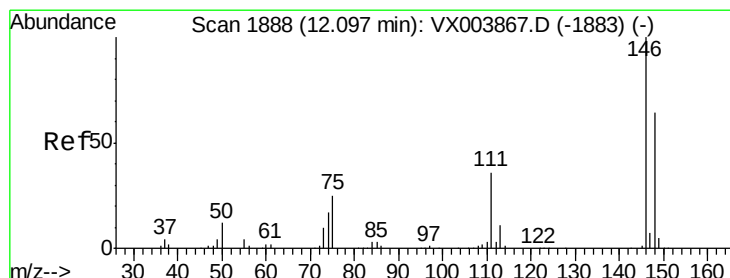
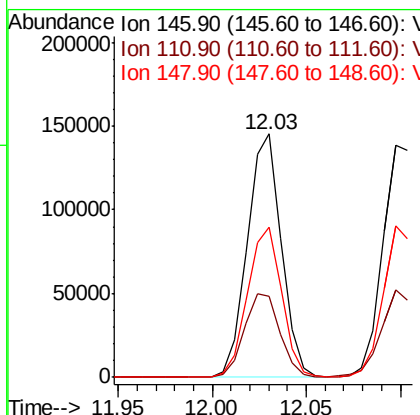
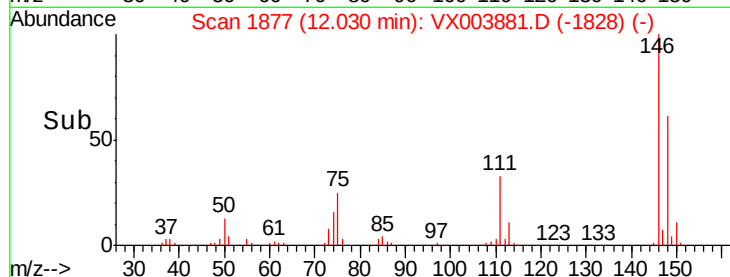
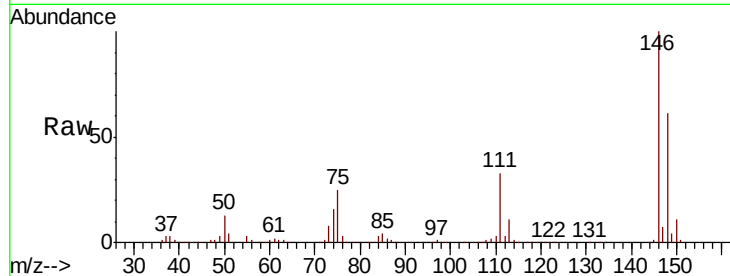
#87
 1,3-Dichlorobenzene
 Concen: 19.74 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX003881.D
 Acq: 07 Aug 2018 15:12

Instrument :
 MSVOA_X
 ClientSampled :
 VX0807WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.1	18.8	56.4
148	62.2	31.9	95.5

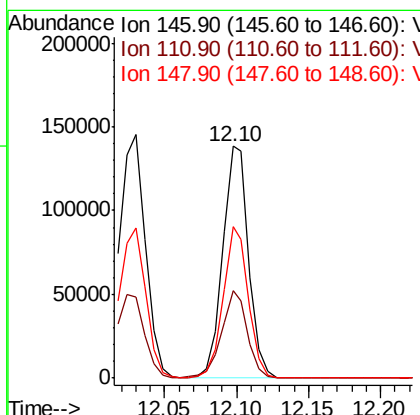
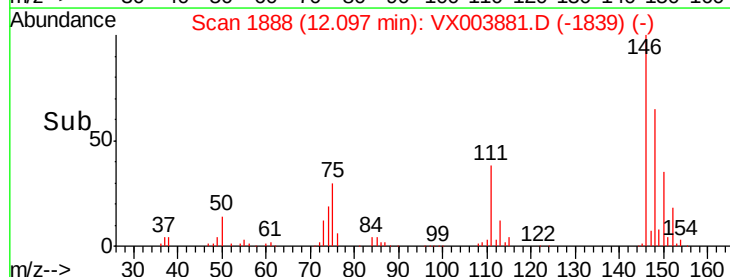
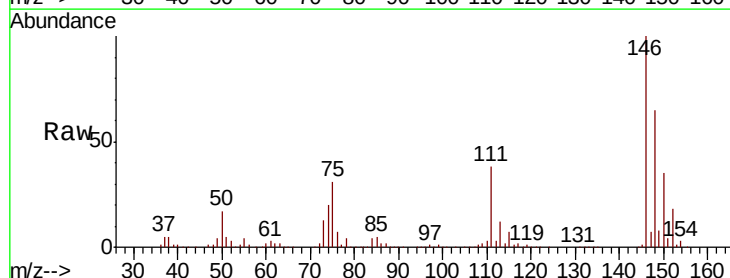
Manual Integrations
 APPROVED

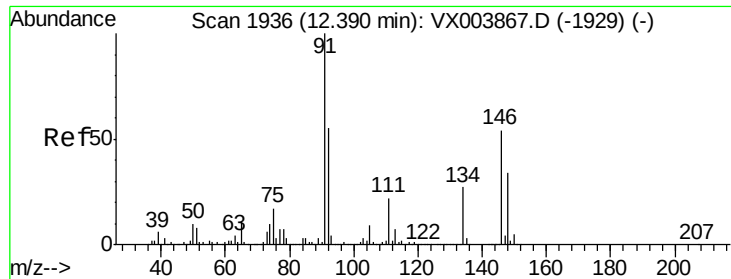
MMDadoda
 8/8/2018 12:01:23 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.66 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. 0.00 min
 Lab File: VX003881.D
 Acq: 07 Aug 2018 15:12

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.4	55.0
148	63.5	32.3	96.8





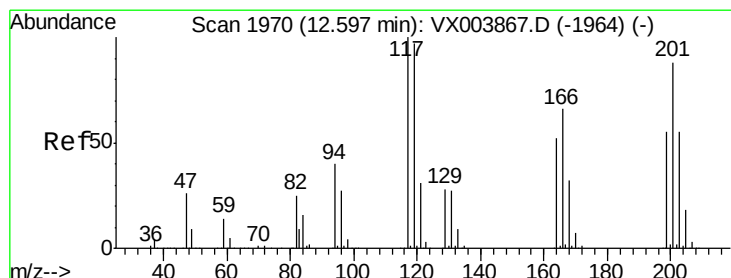
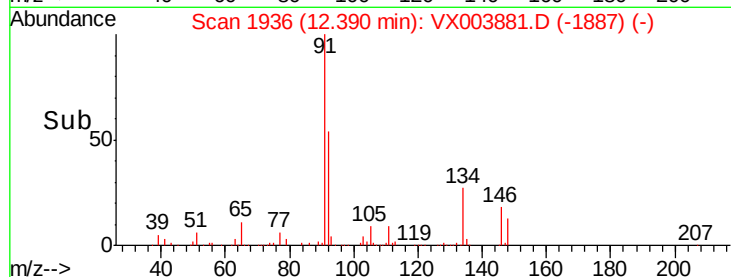
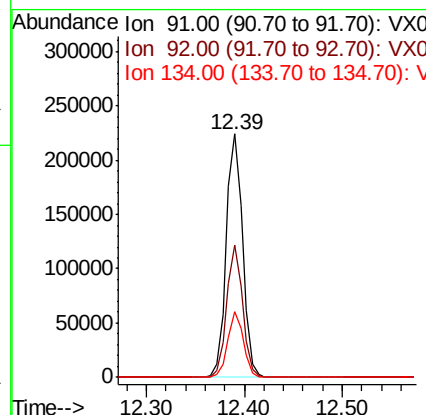
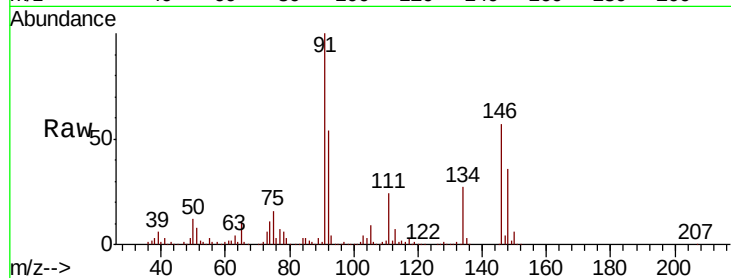
#89
n-Butylbenzene
Concen: 18.86 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX003881.D
Acq: 07 Aug 2018 15:12

Instrument :
MSVOA_X
ClientSampleId :
VX0807WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.6	27.1	81.3
134	25.7	13.6	40.7

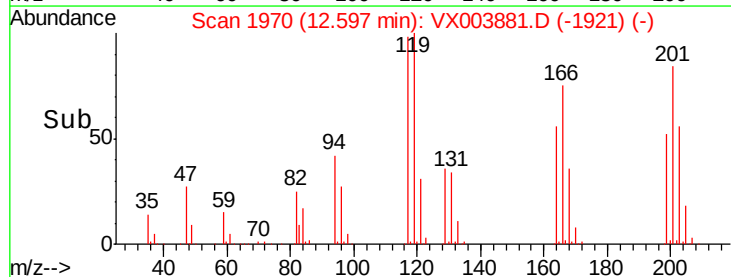
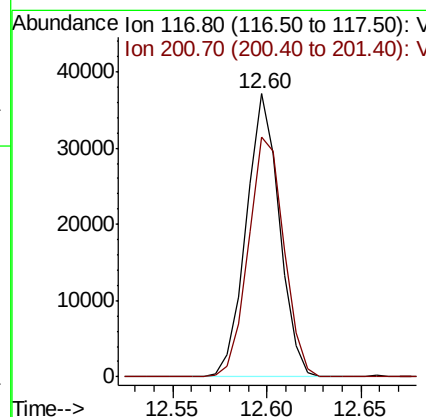
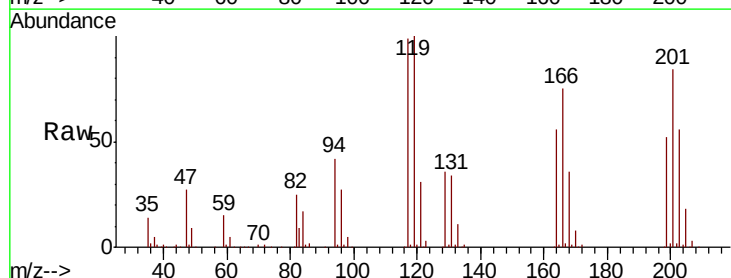
Manual Integrations
APPROVED

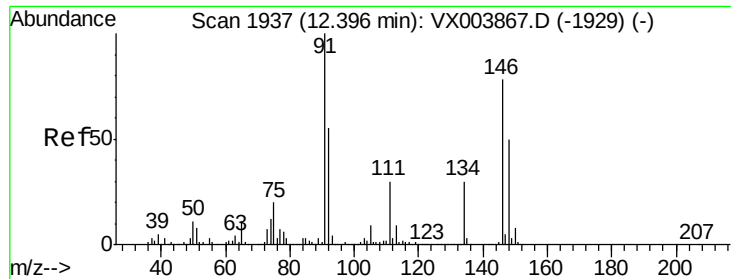
MMDadoda
8/8/2018 12:01:23 PM



#90
Hexachloroethane
Concen: 17.60 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VX003881.D
Acq: 07 Aug 2018 15:12

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.7	46.1	138.2





#91

1,2-Dichlorobenzene

Concen: 18.37 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. -0.01 min

Lab File: VX003881.D

Acq: 07 Aug 2018 15:12

Instrument :

MSVOA_X

ClientSampled :

VX0807WBSD01

Tot Ion:146 Resp: 167422

Ion Ratio Lower Upper

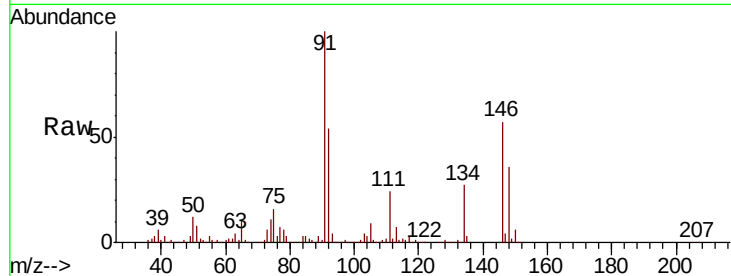
146 100

111 39.5 19.7 59.0

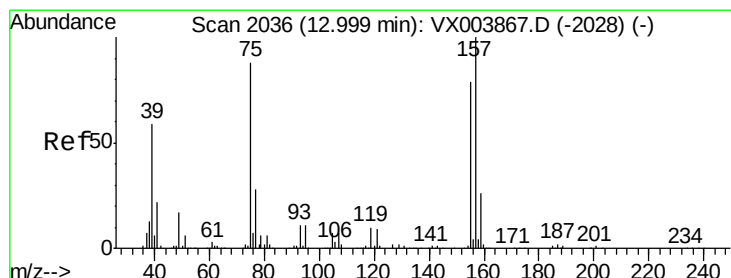
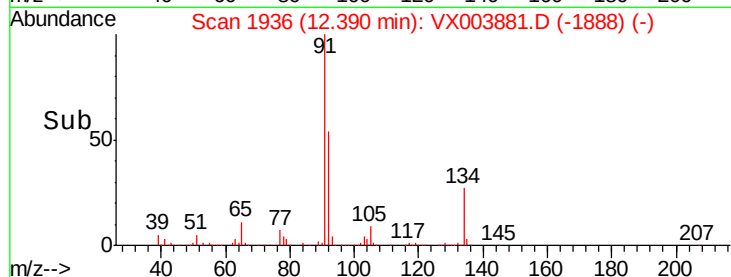
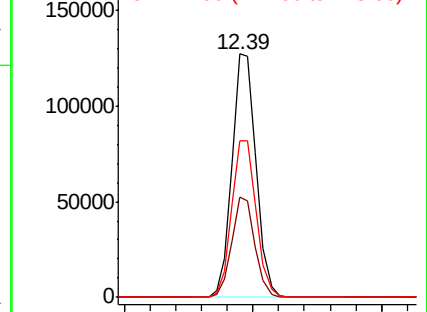
148 65.6 31.9 95.5

Manual Integrations
APPROVED

MMDadoda
8/8/2018 12:01:23 PM



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.28 ug/l

RT: 13.00 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VX003881.D

Acq: 07 Aug 2018 15:12

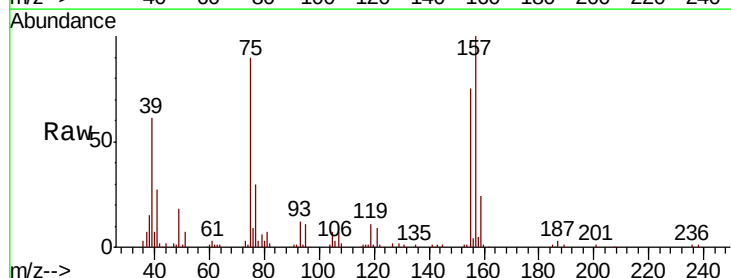
Tgt Ion: 75 Resp: 23925

Ion Ratio Lower Upper

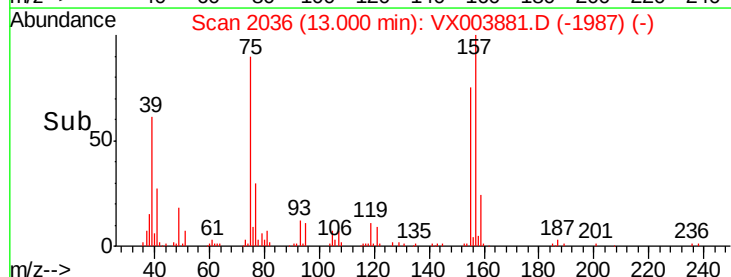
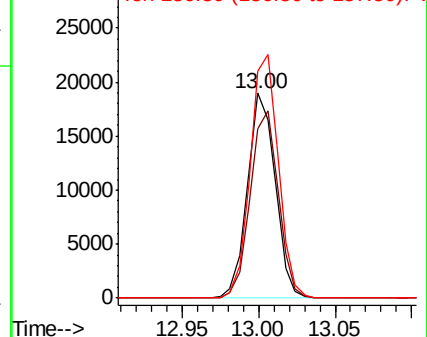
75 100

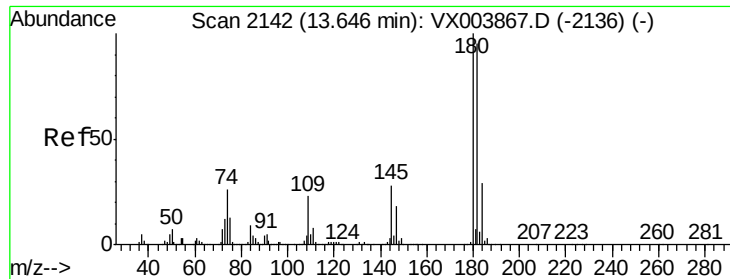
155 92.5 48.7 146.1

157 119.8 62.6 187.8



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





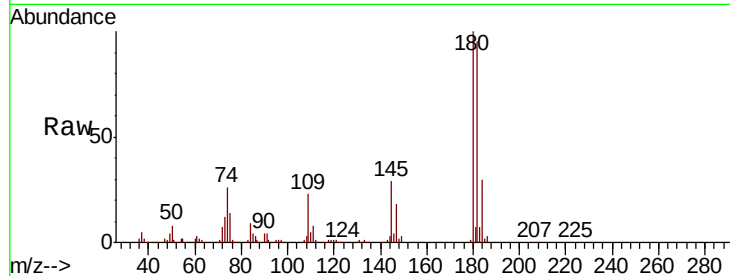
#93
 1,2,4-Trichlorobenzene
 Concen: 20.24 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VX003881.D
 Acq: 07 Aug 2018 15:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0807WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	132681		
182	96.0	47.7	143.1	
145	28.0	13.9	41.6	

Manual Integrations
 APPROVED

MMDadoda
 8/8/2018 12:01:23 PM

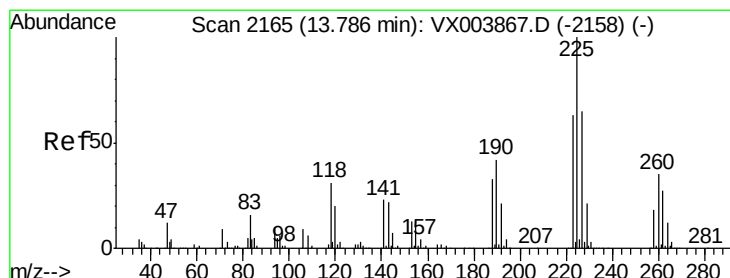
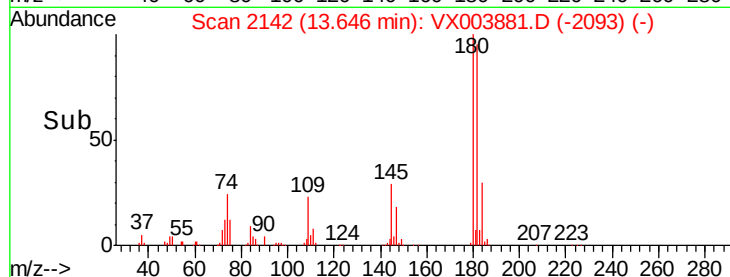
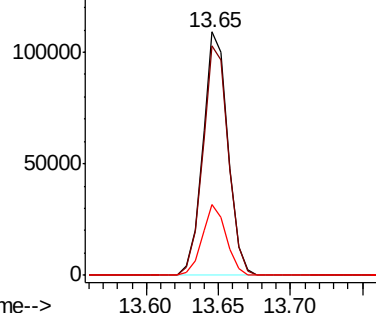


Abundance

Ion 179.80 (179.50 to 180.50): V

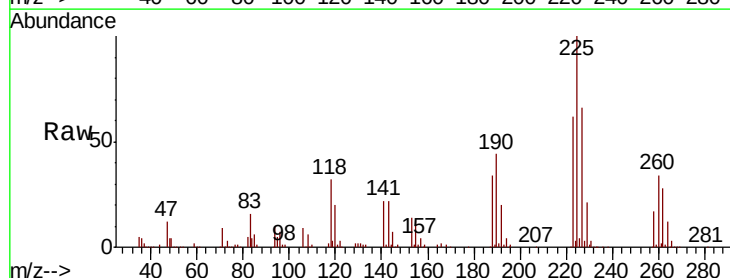
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 21.83 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX003881.D
 Acq: 07 Aug 2018 15:12

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	62424		
223	62.6	31.4	94.0	
227	65.0	32.1	96.5	

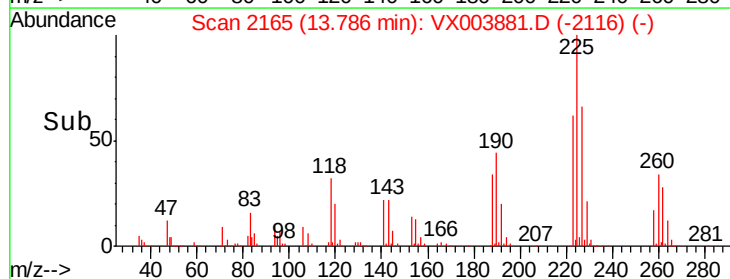
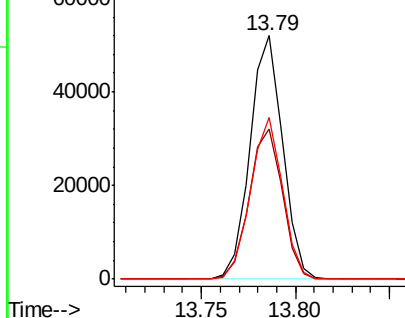


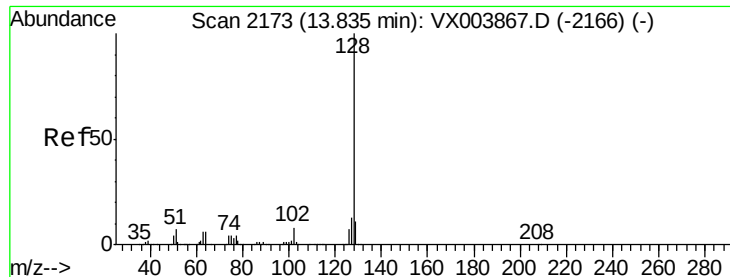
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





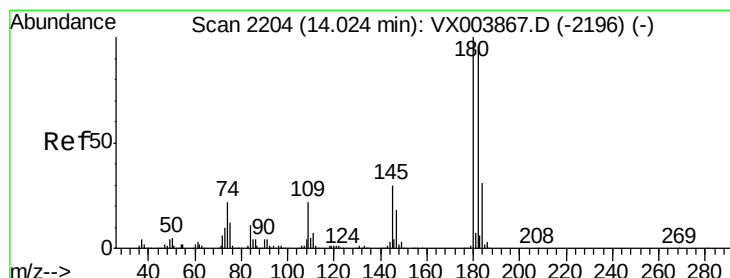
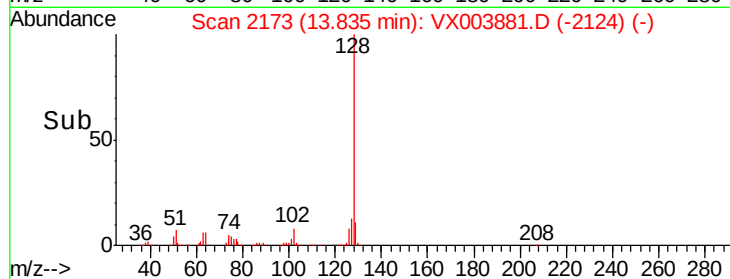
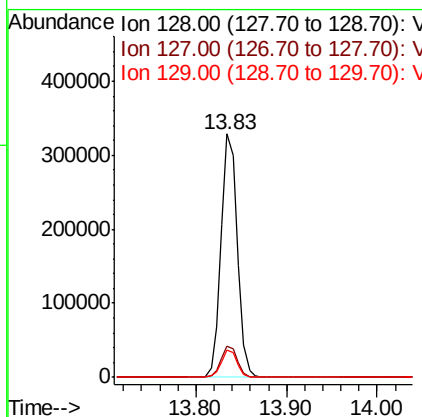
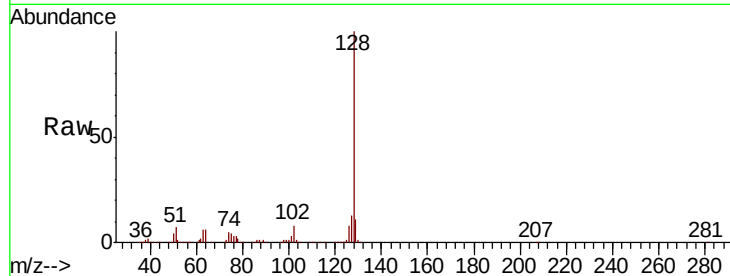
#95
Naphthalene
Concen: 21.94 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. 0.00 min
Lab File: VX003881.D
Acq: 07 Aug 2018 15:12

Instrument :
MSVOA_X
ClientSampleId :
VX0807WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	10.9	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
8/8/2018 12:01:23 PM



#96
1,2,3-Trichlorobenzene
Concen: 21.40 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VX003881.D
Acq: 07 Aug 2018 15:12

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.2	48.1	144.4
145	29.7	14.9	44.7

