

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080818\
 Data File : VX003918.D
 Acq On : 08 Aug 2018 12:52
 Operator : JC/MD
 Sample : VX0808WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0808WBS01

Manual Integrations
 APPROVED

MMDadoda
 8/9/2018 10:39:34 AM

Quant Time: Aug 09 03:42:15 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	5.66	168	380324	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	537484	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	508668	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	289965	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	248926	49.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.74%	
35) Dibromofluoromethane	5.50	113	207423	50.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.88%	
50) Toluene-d8	8.71	98	821615	51.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.78%	
62) 4-Bromofluorobenzene	11.14	95	301173	58.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	80754	20.95	ug/l	98
3) Chloromethane	1.32	50	96064	18.32	ug/l	100
4) Vinyl Chloride	1.40	62	105374	20.15	ug/l	99
5) Bromomethane	1.64	94	63473	20.59	ug/l	99
6) Chloroethane	1.72	64	69710	20.84	ug/l	100
7) Trichlorofluoromethane	1.93	101	141225	20.46	ug/l	100
8) Diethyl Ether	2.19	74	62555	20.16	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	88833	20.58	ug/l	99
10) Methyl Iodide	2.51	142	102209	19.04	ug/l	100
11) Tert butyl alcohol	3.07	59	119049	98.27	ug/l	99
12) 1,1-Dichloroethene	2.37	96	82728	20.27	ug/l	95
13) Acrolein	2.29	56	47210	70.97	ug/l	100
14) Allyl chloride	2.73	41	159526	20.27	ug/l	100
15) Acrylonitrile	3.15	53	281004	97.21	ug/l	100
16) Acetone	2.45	43	298884	99.65	ug/l	100
17) Carbon Disulfide	2.57	76	222567	19.51	ug/l	99
18) Methyl Acetate	2.78	43	130692	20.01	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	293917	20.32	ug/l	99
20) Methylene Chloride	2.85	84	98442	19.72	ug/l	99
21) trans-1,2-Dichloroethene	3.16	96	90225	19.47	ug/l	99
22) Diisopropyl ether	3.87	45	289141	19.99	ug/l	99
23) Vinyl Acetate	3.82	43	1193398	99.16	ug/l	99
24) 1,1-Dichloroethane	3.70	63	172822	20.11	ug/l	99
25) 2-Butanone	4.70	43	444753	98.63	ug/l	99
26) 2,2-Dichloropropane	4.59	77	132848	21.44	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	102786	20.44	ug/l	99
28) Bromochloromethane	5.02	49	81194	22.08	ug/l	98
29) Tetrahydrofuran	5.16	42	223576	96.46	ug/l	99
30) Chloroform	5.21	83	165550	20.47	ug/l	97
31) Cyclohexane	5.57	56	144898	19.94	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	142041	20.94	ug/l	99
36) 1,1-Dichloropropene	5.79	75	128656	21.37	ug/l	100
37) Ethyl Acetate	4.86	43	134720	20.34	ug/l	100
38) Carbon Tetrachloride	5.78	117	121592	21.22	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080818\
 Data File : VX003918.D
 Acq On : 08 Aug 2018 12:52
 Operator : JC/MD
 Sample : VX0808WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0808WBS01

Manual Integrations
 APPROVED

MMDadoda
 8/9/2018 10:39:34 AM

Quant Time: Aug 09 03:42:15 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	148469	20.92	ug/l	100
40) Benzene	6.14	78	386598	21.39	ug/l	99
41) Methacrylonitrile	5.06	41	73565	20.17	ug/l	98
42) 1,2-Dichloroethane	6.20	62	131818	21.57	ug/l	99
43) Isopropyl Acetate	6.46	43	203538	20.43	ug/l	100
44) Trichloroethene	7.21	130	104361	21.11	ug/l	92
45) 1,2-Dichloropropane	7.51	63	95880	20.54	ug/l	97
46) Dibromomethane	7.67	93	62503	20.62	ug/l	99
47) Bromodichloromethane	7.90	83	119095	20.86	ug/l	98
48) Methyl methacrylate	7.78	41	105504	20.83	ug/l	99
49) 1,4-Dioxane	7.76	88	50778	425.53	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	867157	104.98	ug/l	100
52) Toluene	8.79	92	247855	21.70	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	135490	21.00	ug/l	100
54) cis-1,3-Dichloropropene	8.44	75	149050	21.42	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	99052	21.22	ug/l	99
56) Ethyl methacrylate	9.18	69	143182	21.14	ug/l	100
57) 1,3-Dichloropropane	9.37	76	167352	21.42	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	364899	109.58	ug/l	100
59) 2-Hexanone	9.50	43	664851	107.68	ug/l	99
60) Dibromochloromethane	9.59	129	95037	21.84	ug/l	100
61) 1,2-Dibromoethane	9.67	107	102255	21.88	ug/l	99
64) Tetrachloroethene	9.34	164	97903	19.56	ug/l	93
65) Chlorobenzene	10.14	112	277550	20.97	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	94531	20.78	ug/l	99
67) Ethyl Benzene	10.25	91	461792	21.31	ug/l	96
68) m/p-Xylenes	10.36	106	367161	43.37	ug/l	97
69) o-Xylene	10.70	106	173002	21.65	ug/l	96
70) Styrene	10.71	104	292311	22.34	ug/l	97
71) Bromoform	10.86	173	71675	20.41	ug/l #	98
73) Isopropylbenzene	11.02	105	471858	22.00	ug/l	96
74) N-amyl acetate	6.46	43	203538	18.25	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	151858	20.66	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	130934m	20.44	ug/l	
77) Bromobenzene	11.26	156	122449	21.40	ug/l	100
78) n-propylbenzene	11.36	91	508179	21.10	ug/l	99
79) 2-Chlorotoluene	11.42	91	304049	20.70	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	375642	21.48	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	43123	19.72	ug/l	97
82) 4-Chlorotoluene	11.51	91	350563	20.37	ug/l	97
83) tert-Butylbenzene	11.77	119	365590	21.25	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	396117	22.52	ug/l	99
85) sec-Butylbenzene	11.95	105	454679	22.39	ug/l	99
86) p-Isopropyltoluene	12.07	119	409615	22.48	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	222806	21.06	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	225684	22.10	ug/l	100
89) n-Butylbenzene	12.39	91	319599	20.13	ug/l	99
90) Hexachloroethane	12.60	117	55285	18.69	ug/l	97
91) 1,2-Dichlorobenzene	12.40	146	204383	19.49	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	28613	19.00	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080818\
Data File : VX003918.D
Acq On : 08 Aug 2018 12:52
Operator : JC/MD
Sample : VX0808WBS01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0808WBS01

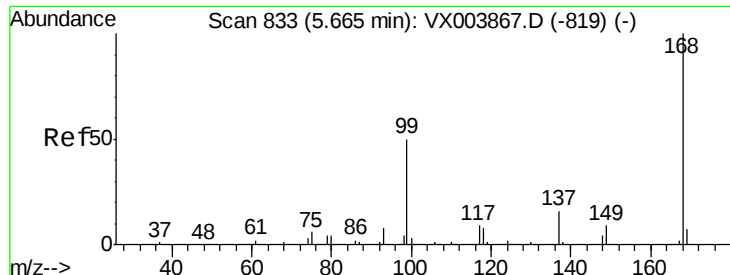
Manual Integrations
APPROVED

MMDadoda
8/9/2018 10:39:34 AM

Quant Time: Aug 09 03:42:15 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	154031	20.43	ug/l	99
94) Hexachlorobutadiene	13.79	225	76152	23.12	ug/l	98
95) Naphthalene	13.83	128	481926	22.31	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	167100	22.20	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.01 min

Lab File: VX003918.D

Acq: 08 Aug 2018 12:52

Instrument :

MSVOA_X

ClientSampled :

VX0808WBS01

Tot Ion:168 Resp: 380324

Ion Ratio Lower Upper

168 100

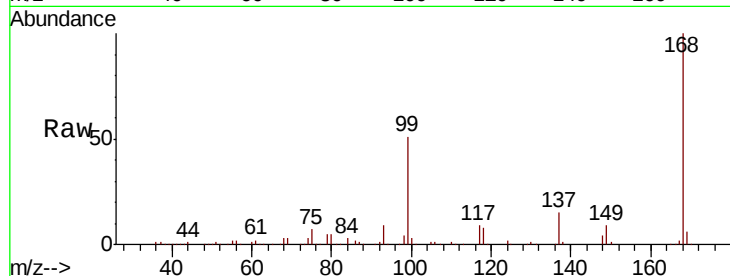
99 50.5 40.1 60.1

Manual Integrations

APPROVED

MMDadoda

8/9/2018 10:39:34 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

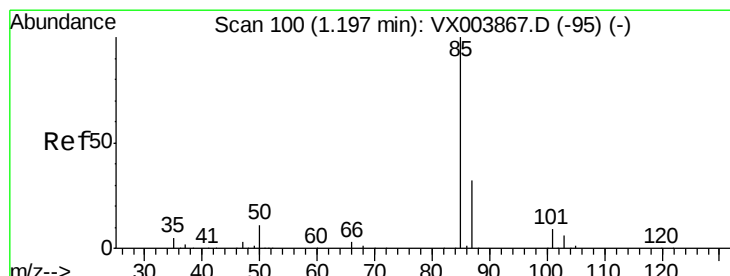
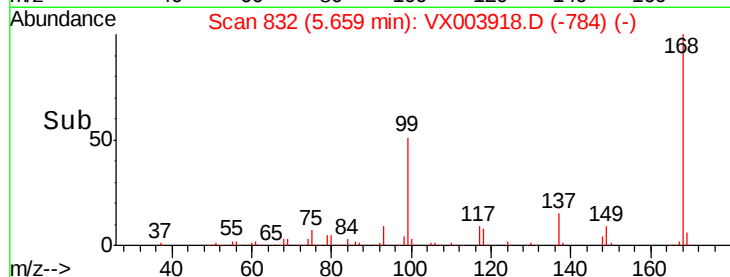
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 20.95 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003918.D

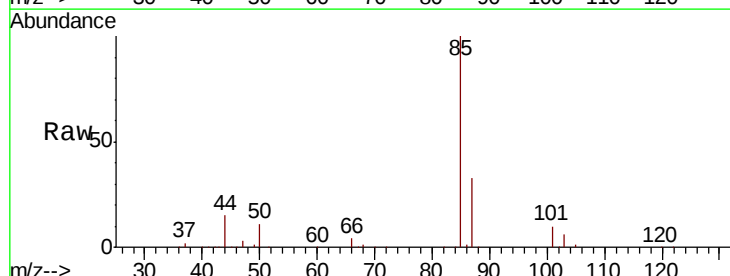
Acq: 08 Aug 2018 12:52

Tgt Ion: 85 Resp: 80754

Ion Ratio Lower Upper

85 100

87 33.3 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

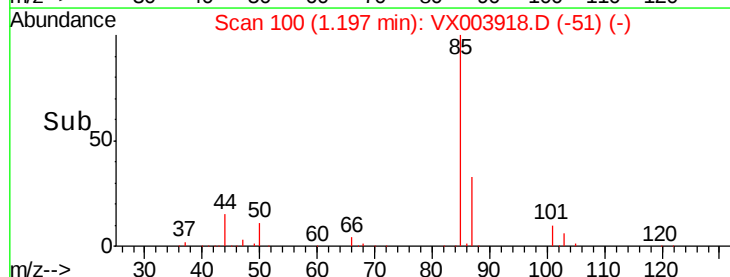
60000

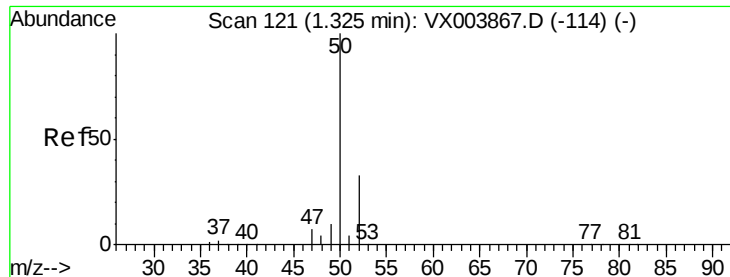
40000

20000

0

Time-->





#3

Chloromethane

Concen: 18.32 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003918.D

Acq: 08 Aug 2018 12:52

Instrument :

MSVOA_X

ClientSampled :

VX0808WBS01

Tot Ion: 50 Resp: 96064

Ion Ratio Lower Upper

50 100

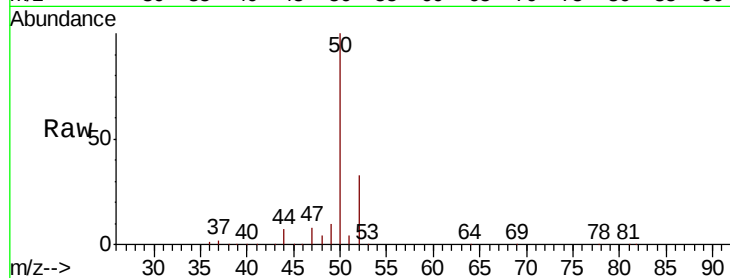
52 33.2 26.6 39.8

Manual Integrations

APPROVED

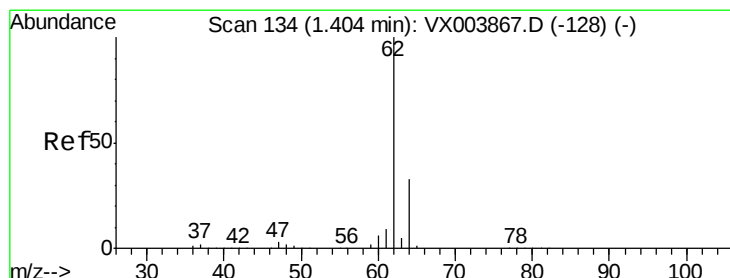
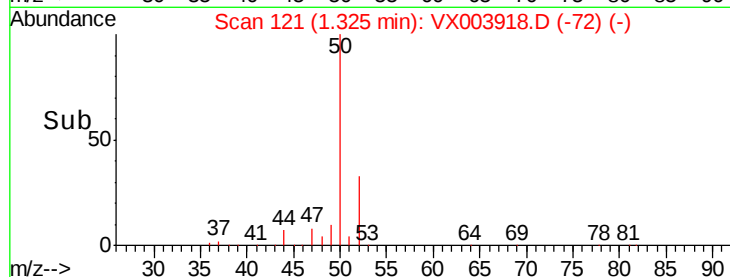
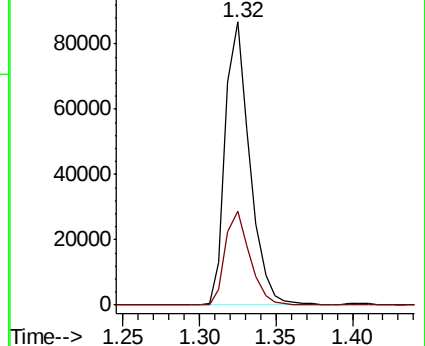
MMDadoda

8/9/2018 10:39:34 AM



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 20.15 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX003918.D

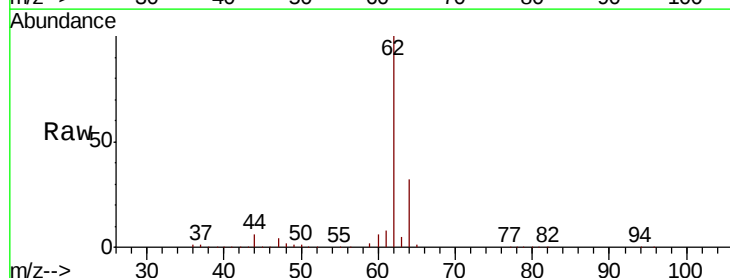
Acq: 08 Aug 2018 12:52

Tgt Ion: 62 Resp: 105374

Ion Ratio Lower Upper

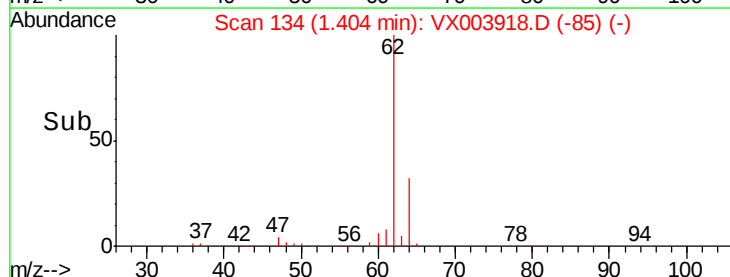
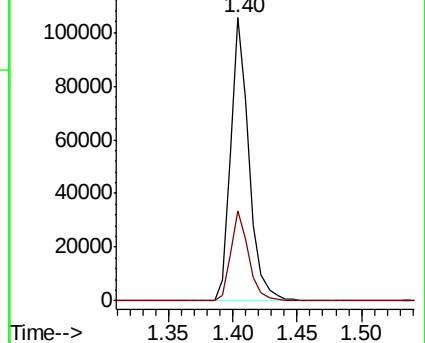
62 100

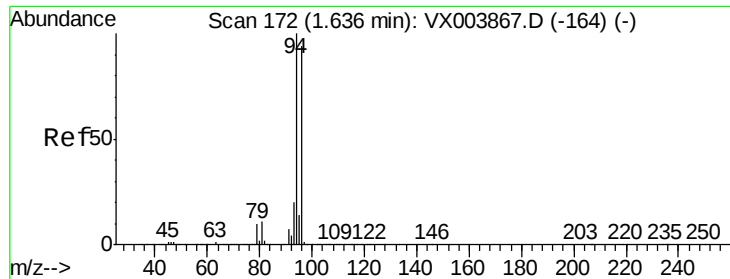
64 31.9 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 20.59 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003918.D

Acq: 08 Aug 2018 12:52

Instrument :

MSVOA_X

ClientSampleId :

VX0808WBS01

Tot Ion: 94 Resp: 63473

Ion Ratio Lower Upper

94 100

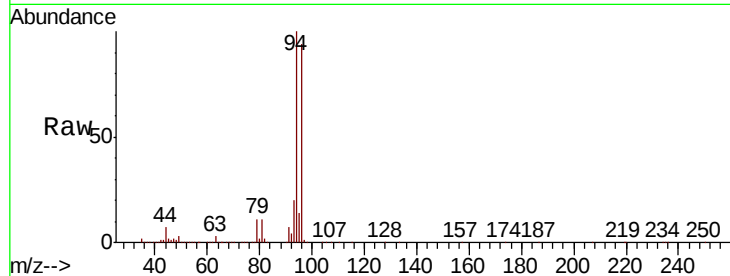
96 94.5 75.2 112.8

Manual Integrations

APPROVED

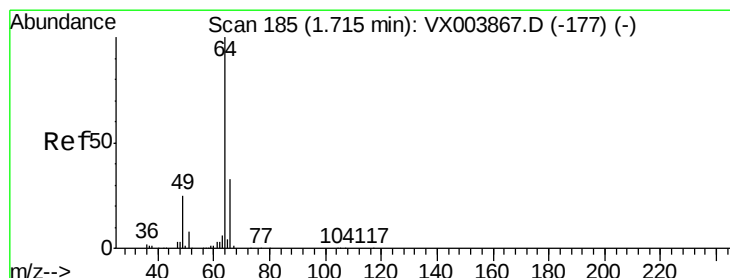
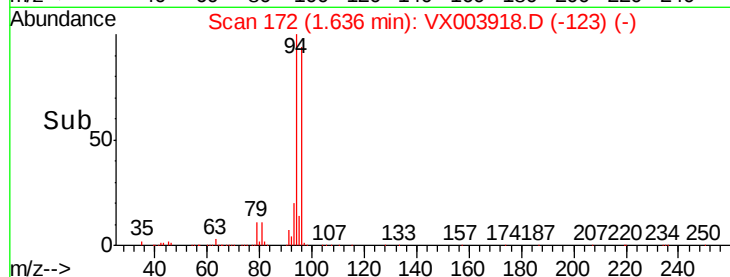
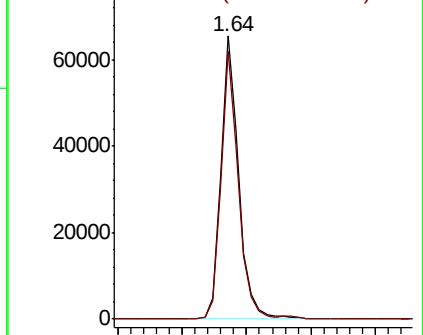
MMDadoda

8/9/2018 10:39:34 AM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 20.84 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX003918.D

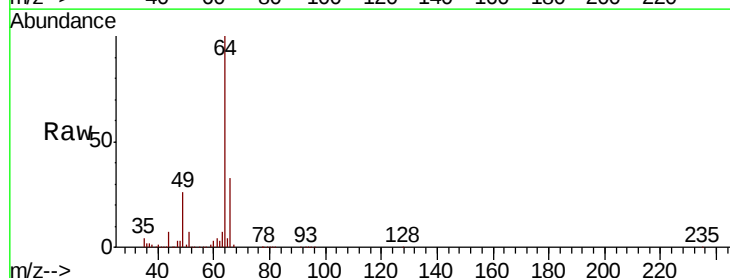
Acq: 08 Aug 2018 12:52

Tgt Ion: 64 Resp: 69710

Ion Ratio Lower Upper

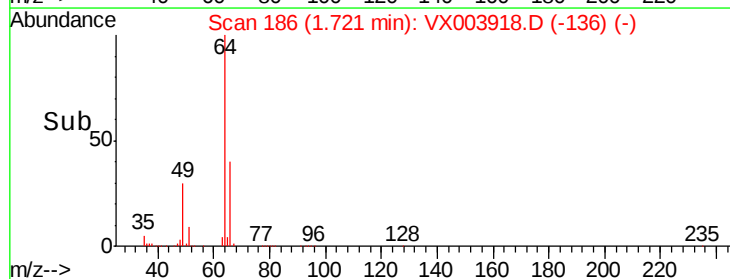
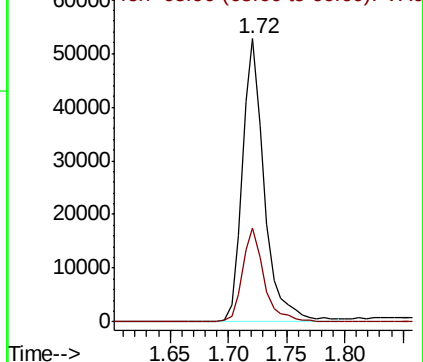
64 100

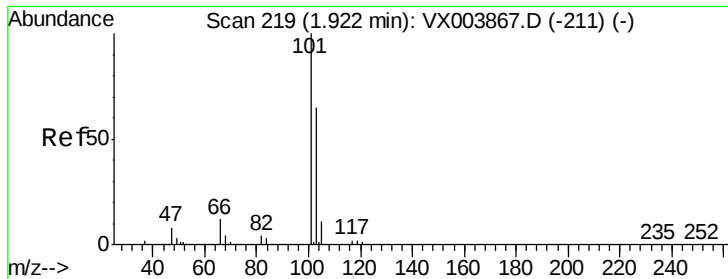
66 33.0 26.5 39.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

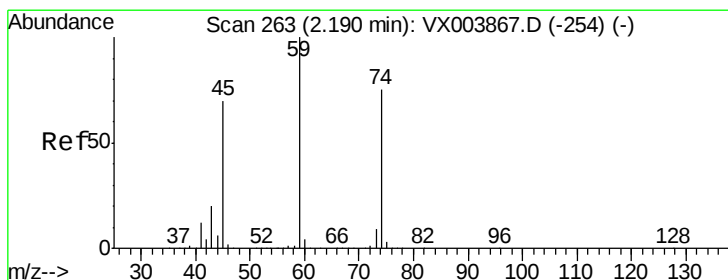
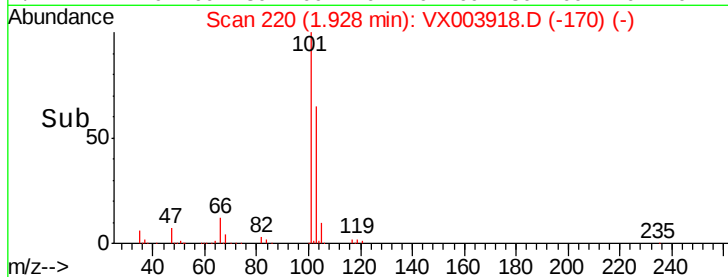
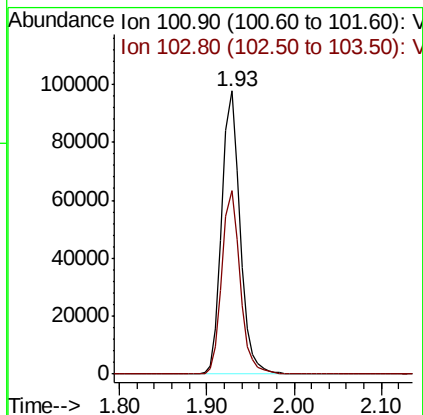
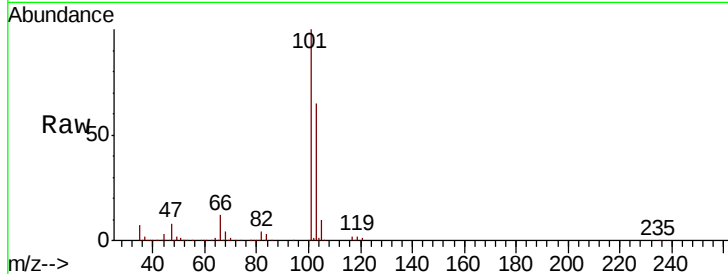
Trichlorofluoromethane
Concen: 20.46 ug/l
RT: 1.93 min Scan# 220
Delta R.T. 0.01 min
Lab File: VX003918.D
Acq: 08 Aug 2018 12:52

Instrument :
MSVOA_X
ClientSampleId :
VX0808WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.1	52.3	78.5

Manual Integrations
APPROVED

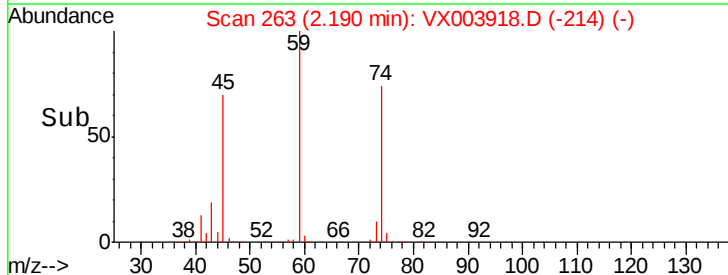
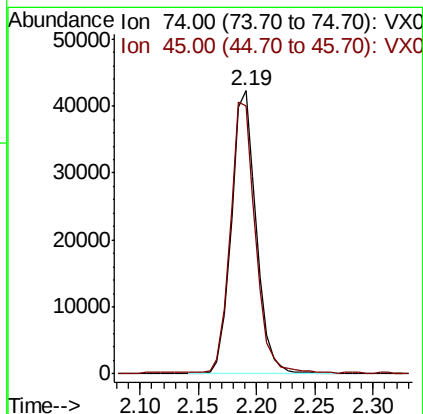
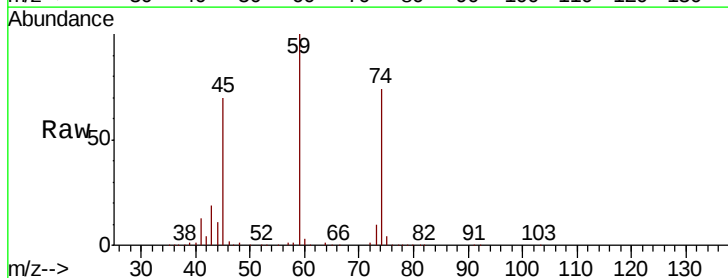
MMDadoda
8/9/2018 10:39:34 AM

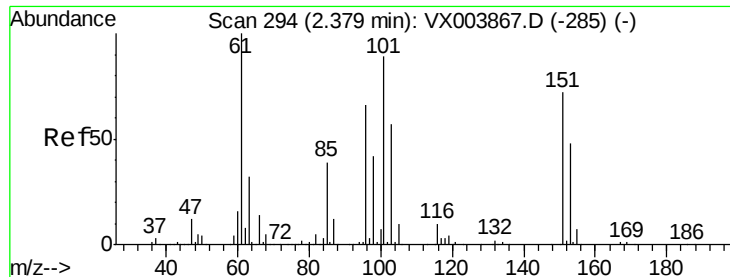


#8

Diethyl Ether
Concen: 20.16 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX003918.D
Acq: 08 Aug 2018 12:52

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.1	48.3	144.9





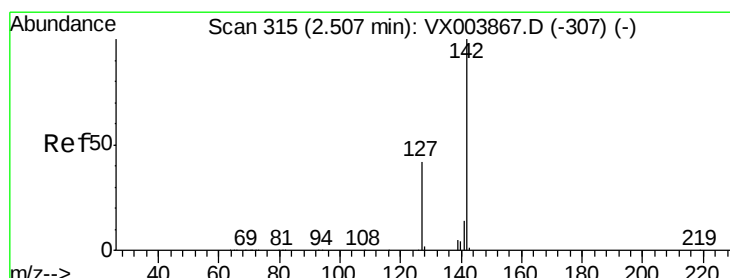
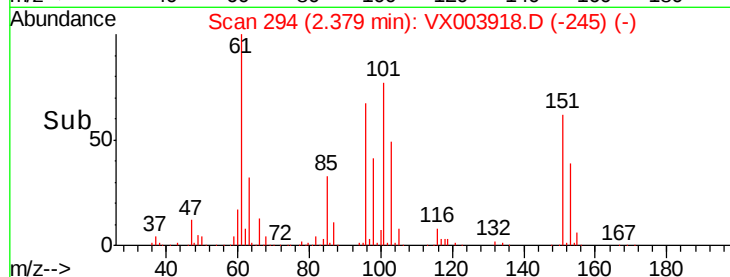
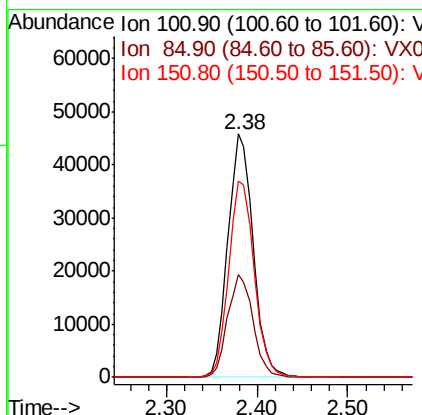
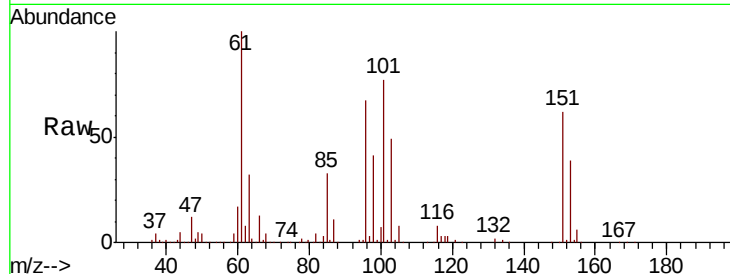
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.58 ug/l
RT: 2.38 min Scan# 294
Delta R.T. 0.00 min
Lab File: VX003918.D
Acq: 08 Aug 2018 12:52

Instrument :
MSVOA_X
ClientSampleId :
VX0808WBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	88833		
85	42.2	34.2	51.4	
151	81.6	65.0	97.4	

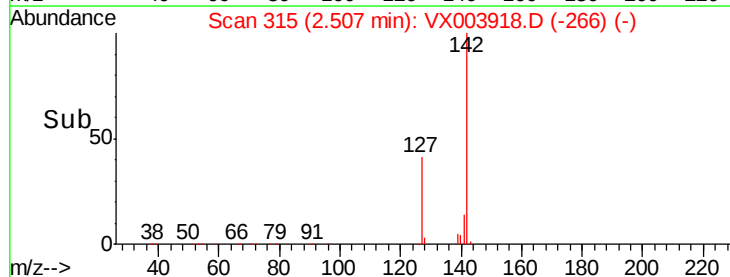
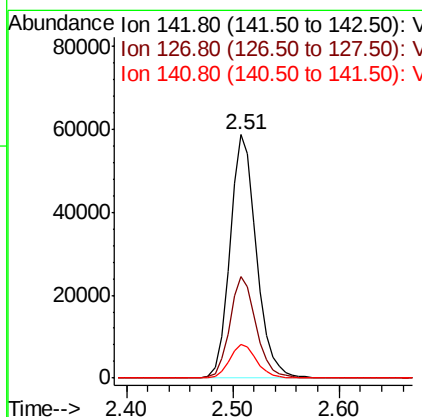
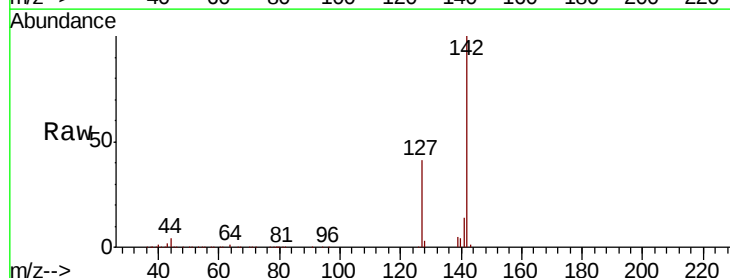
Manual Integrations
APPROVED

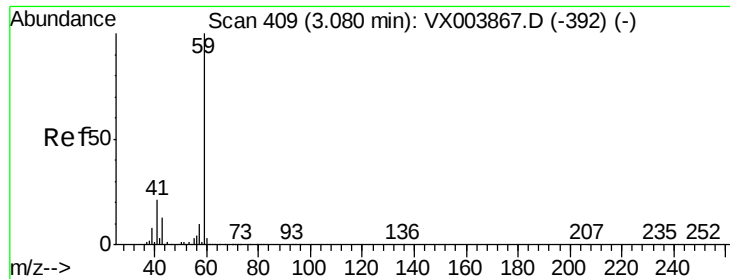
MMDadoda
8/9/2018 10:39:34 AM



#10
Methyl Iodide
Concen: 19.04 ug/l
RT: 2.51 min Scan# 315
Delta R.T. 0.00 min
Lab File: VX003918.D
Acq: 08 Aug 2018 12:52

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	102209		
127	41.6	33.1	49.7	
141	14.2	11.1	16.7	





#11

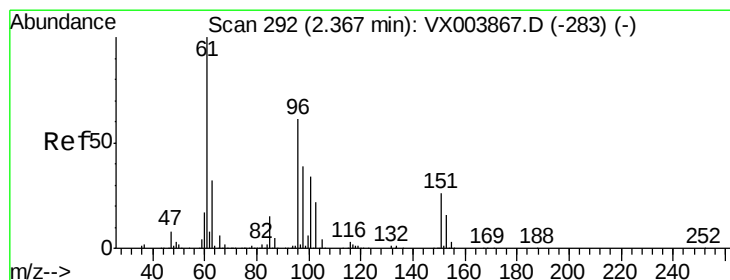
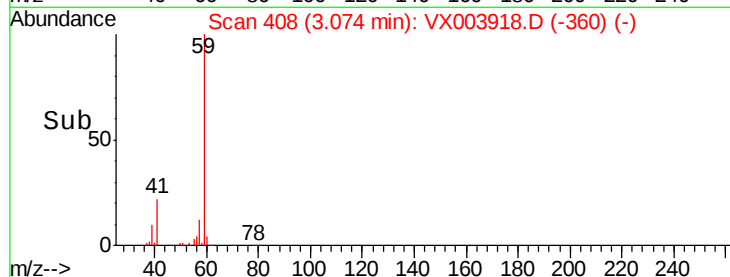
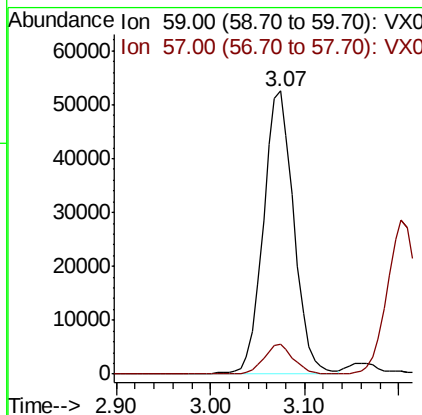
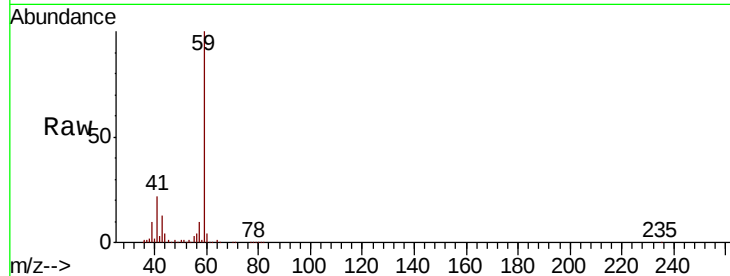
Tert butyl alcohol
Concen: 98.27 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX003918.D
Acq: 08 Aug 2018 12:52

Instrument :
MSVOA_X
ClientSampleId :
VX0808WBS01

Tot Ion	59	Resp	119049
Ion Ratio	100	Lower	Upper
57	10.4	8.1	12.1

Manual Integrations
APPROVED

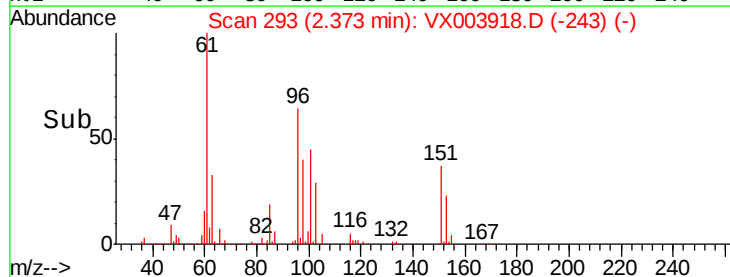
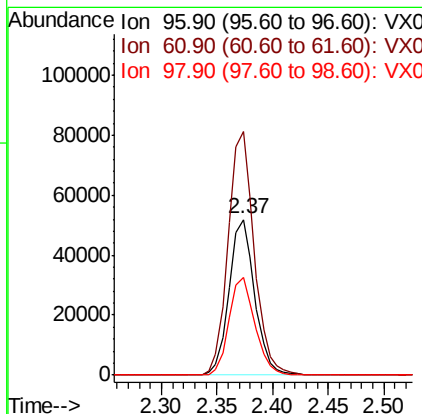
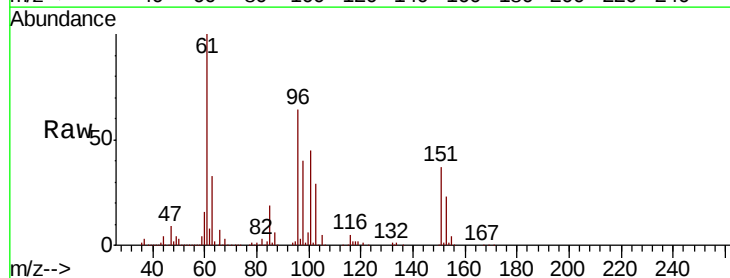
MMDadoda
8/9/2018 10:39:34 AM

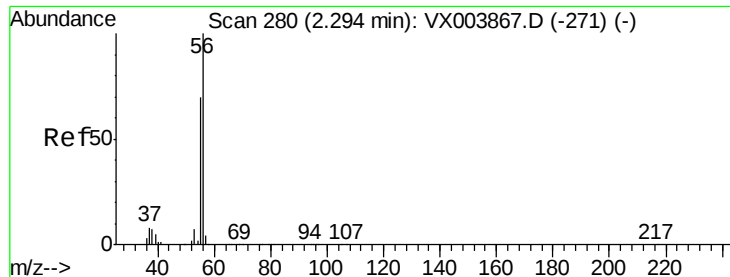


#12

1,1-Dichloroethene
Concen: 20.27 ug/l
RT: 2.37 min Scan# 293
Delta R.T. 0.01 min
Lab File: VX003918.D
Acq: 08 Aug 2018 12:52

Tgt Ion	96	Resp	82728
Ion Ratio	100	Lower	Upper
61	156.4	131.3	196.9
98	62.8	51.8	77.6





#13

Acrolein

Concen: 70.97 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX003918.D

Acq: 08 Aug 2018 12:52

Instrument :

MSVOA_X

ClientSampled :

VX0808WBS01

Tot Ion: 56 Resp: 47210

Ion Ratio Lower Upper

56 100

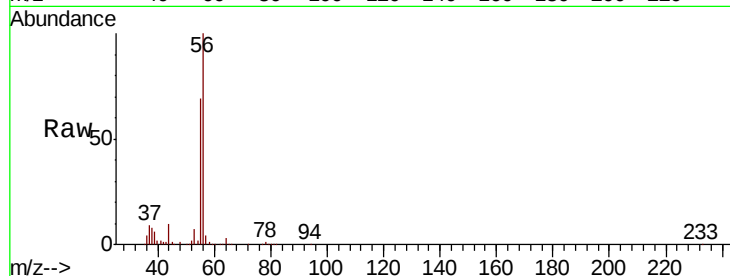
55 70.0 56.1 84.1

Manual Integrations

APPROVED

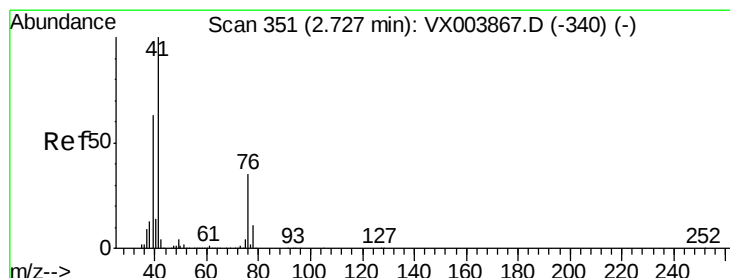
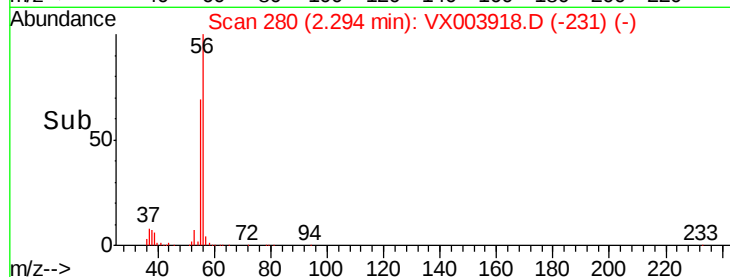
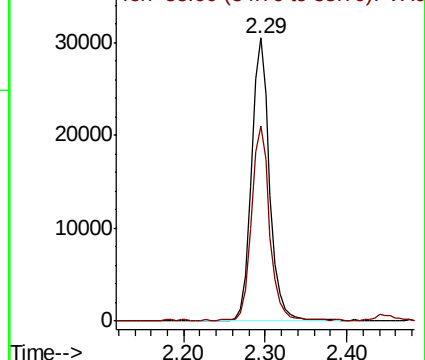
MMDadoda

8/9/2018 10:39:34 AM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 20.27 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX003918.D

Acq: 08 Aug 2018 12:52

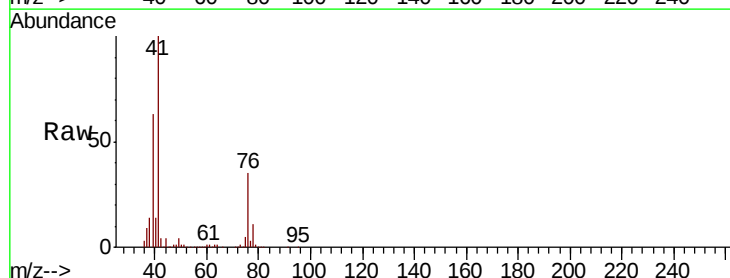
Tgt Ion: 41 Resp: 159526

Ion Ratio Lower Upper

41 100

39 59.3 47.4 71.0

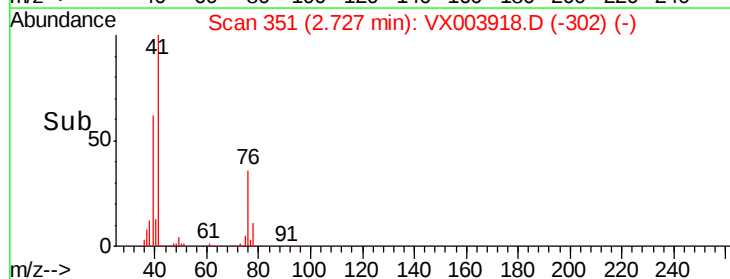
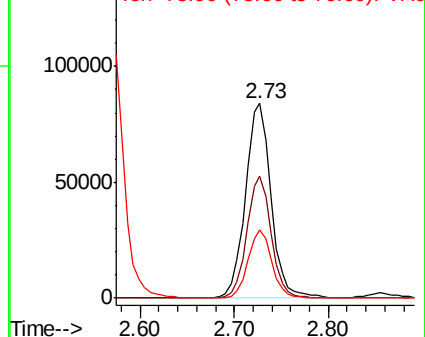
76 32.9 26.0 39.0



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 97.21 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.01 min

Lab File: VX003918.D

Acq: 08 Aug 2018 12:52

Instrument :

MSVOA_X

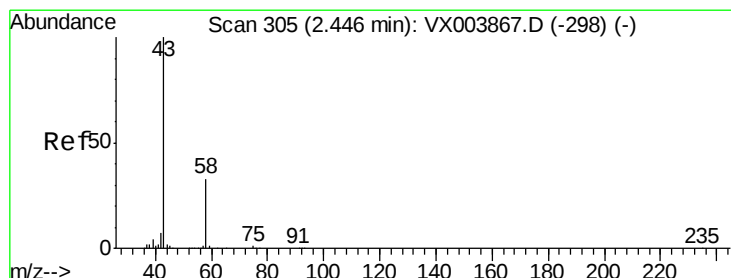
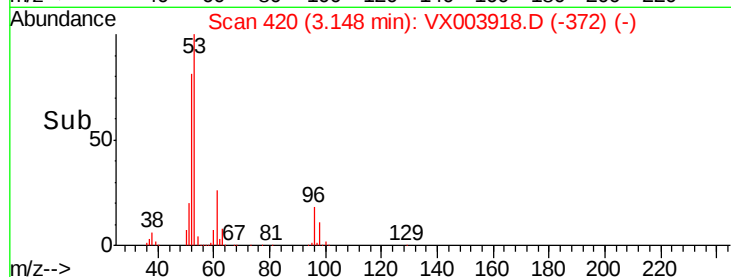
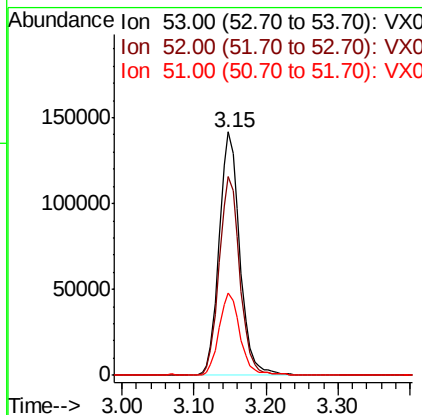
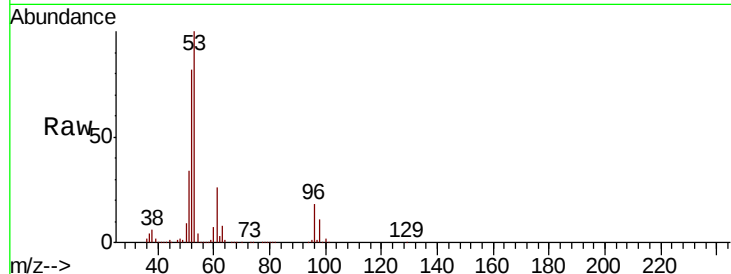
ClientSampled :

VX0808WBS01

Tot Ion:	53	Resp:	281004
Ion Ratio		Lower	Upper
53	100		
52	81.5	65.3	97.9
51	34.4	27.9	41.9

Manual Integrations
APPROVED

MMDadoda
8/9/2018 10:39:34 AM



#16

Acetone

Concen: 99.65 ug/l

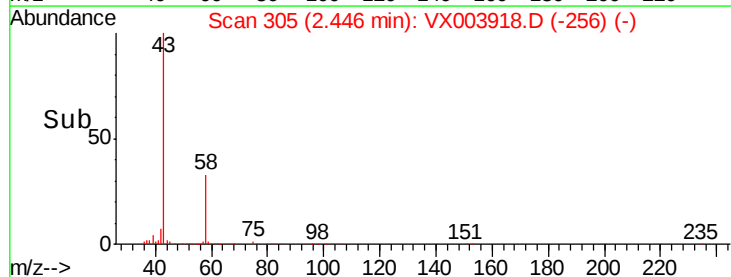
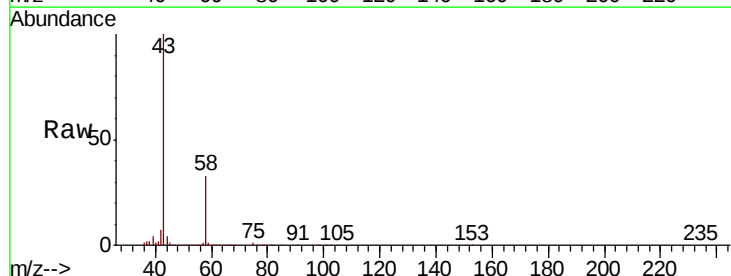
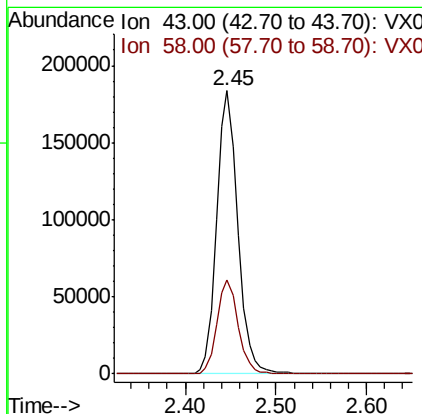
RT: 2.45 min Scan# 305

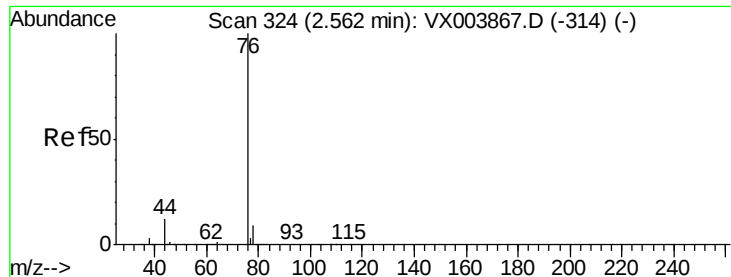
Delta R.T. 0.00 min

Lab File: VX003918.D

Acq: 08 Aug 2018 12:52

Tgt Ion:	43	Resp:	298884
Ion Ratio		Lower	Upper
43	100		
58	33.1	26.4	39.6





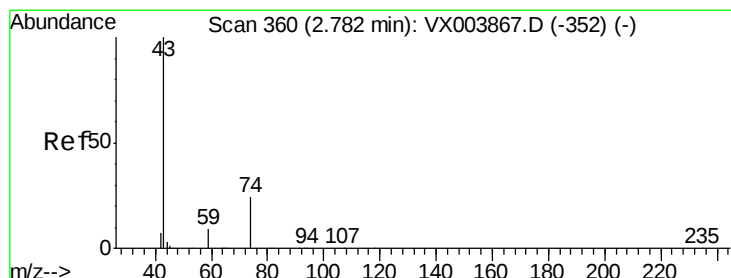
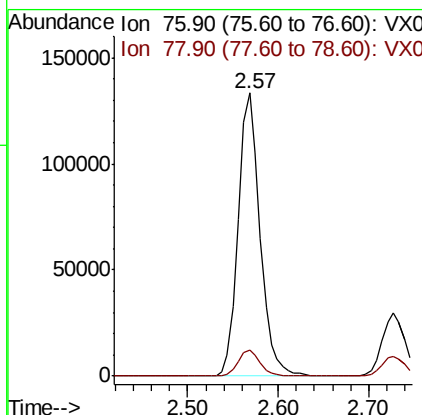
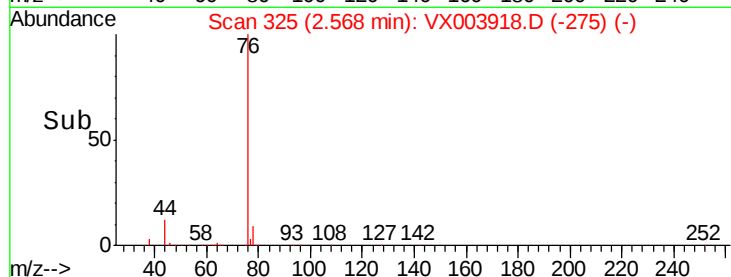
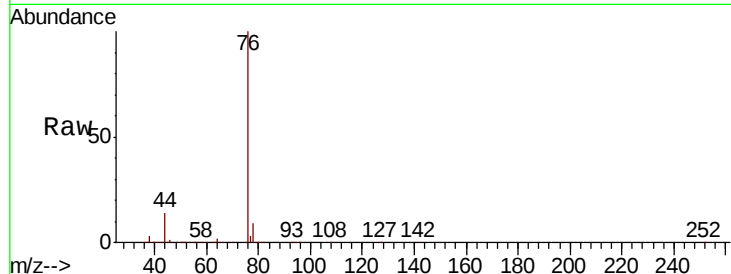
#17
Carbon Disulfide
Concen: 19.51 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.01 min
Lab File: VX003918.D
Acq: 08 Aug 2018 12:52

Instrument :
MSVOA_X
ClientSampled :
VX0808WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.5	11.3

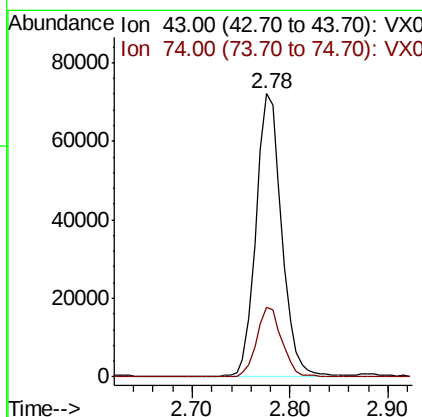
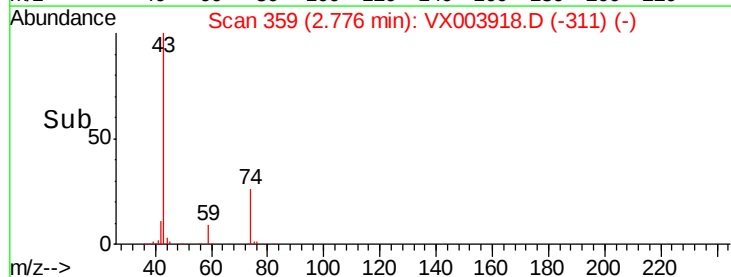
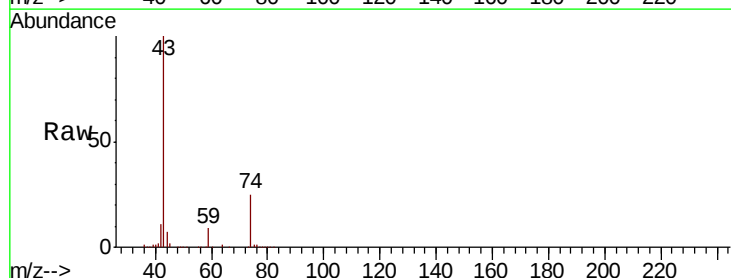
Manual Integrations
APPROVED

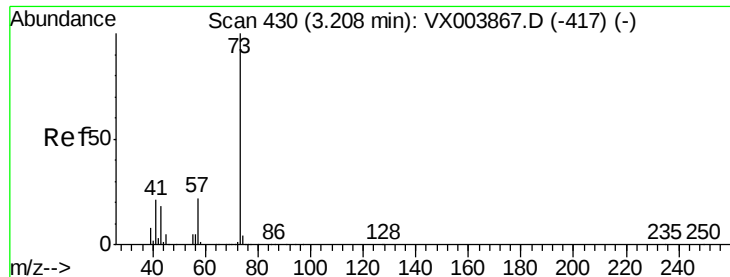
MMDadoda
8/9/2018 10:39:34 AM



#18
Methyl Acetate
Concen: 20.01 ug/l
RT: 2.78 min Scan# 359
Delta R.T. -0.01 min
Lab File: VX003918.D
Acq: 08 Aug 2018 12:52

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.8	18.9	28.3





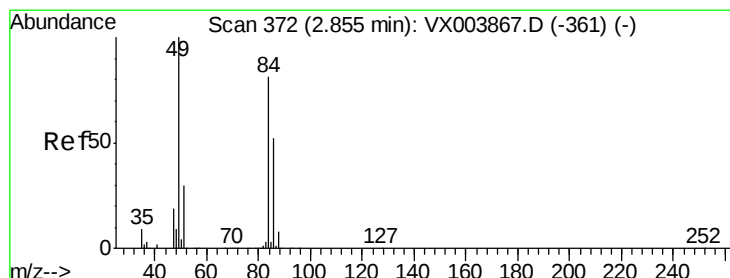
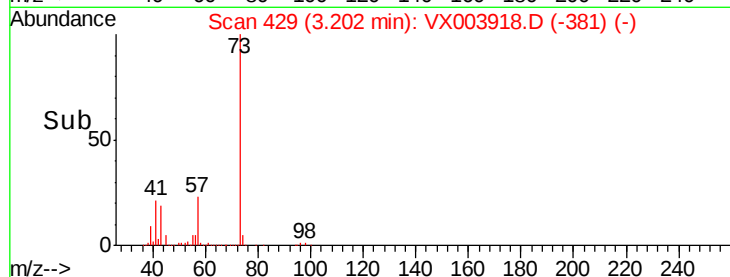
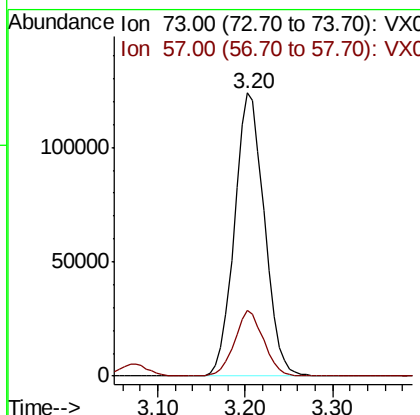
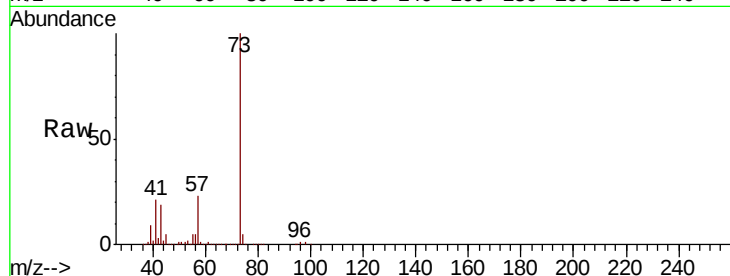
#19
Methyl tert-butyl Ether
Concen: 20.32 ug/l
RT: 3.20 min Scan# 429
Delta R.T. -0.01 min
Lab File: VX003918.D
Acq: 08 Aug 2018 12:52

Instrument :
MSVOA_X
ClientSampled :
VX0808WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.1	18.0	27.0

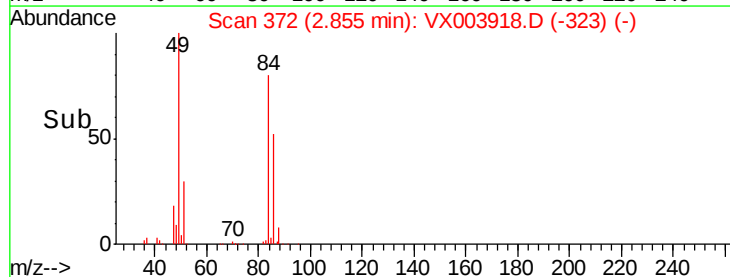
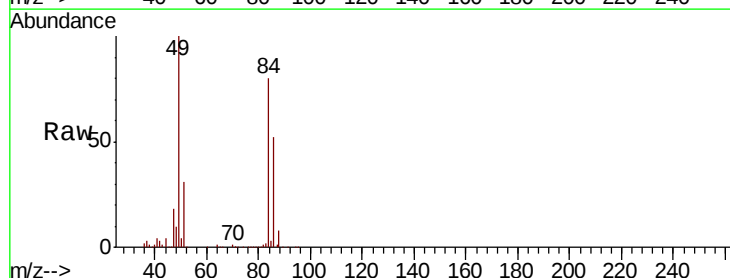
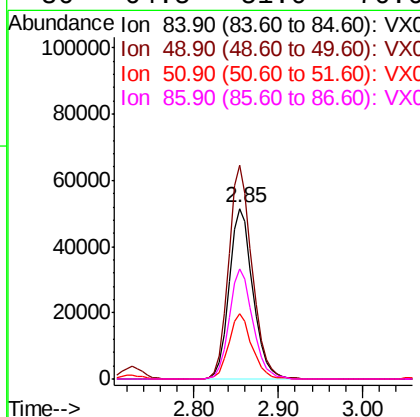
Manual Integrations
APPROVED

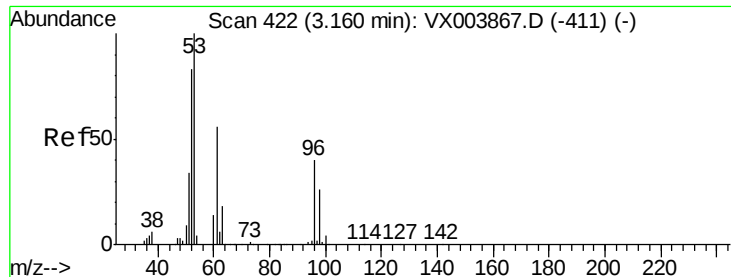
MMDadoda
8/9/2018 10:39:34 AM



#20
Methylene Chloride
Concen: 19.72 ug/l
RT: 2.85 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX003918.D
Acq: 08 Aug 2018 12:52

Tgt Ion	Ratio	Lower	Upper
84	100		
49	124.9	98.9	148.3
51	38.2	29.9	44.9
86	64.5	51.0	76.6





#21

trans-1,2-Dichloroethene

Concen: 19.47 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.00 min

Lab File: VX003918.D

Acq: 08 Aug 2018 12:52

Instrument :

MSVOA_X

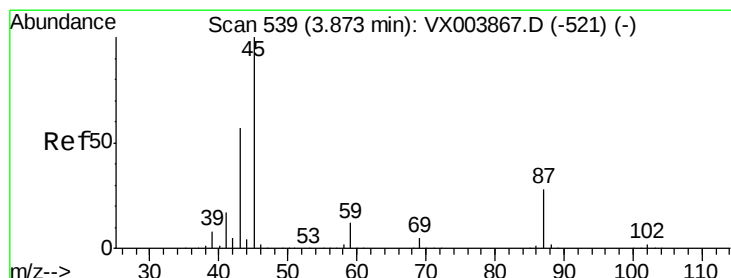
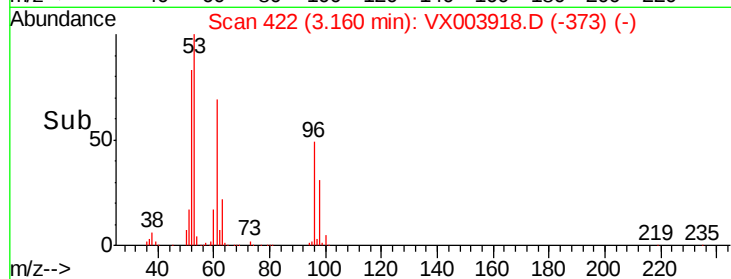
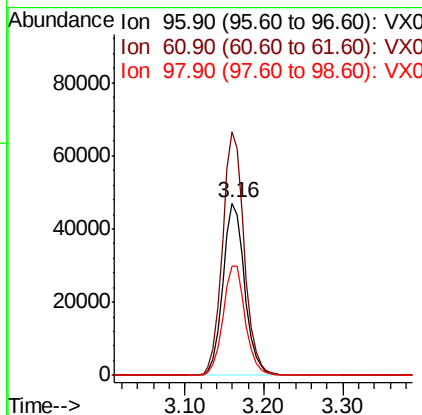
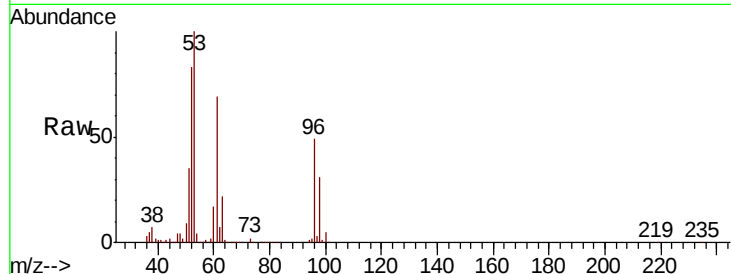
ClientSampleId :

VX0808WBS01

Tot Ion:	96	Resp:	90225
Ion	Ratio	Lower	Upper
96	100		
61	141.2	111.8	167.6
98	63.6	51.8	77.6

Manual Integrations
APPROVED

MMDadoda
8/9/2018 10:39:34 AM



#22

Diisopropyl ether

Concen: 19.99 ug/l

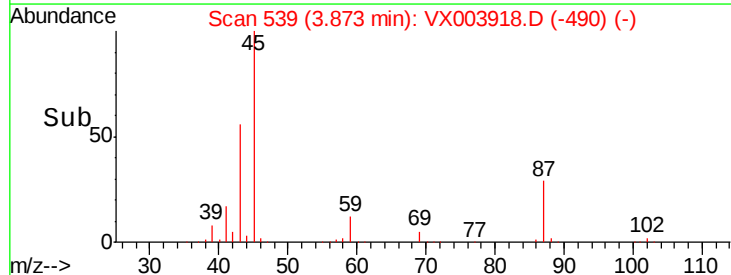
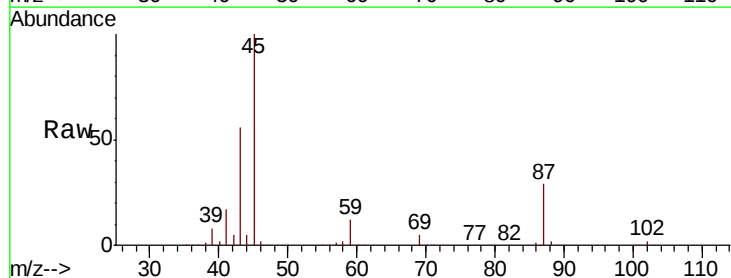
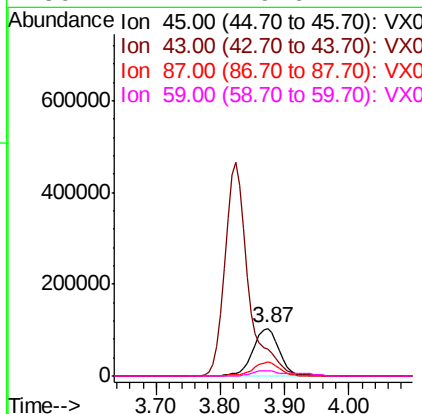
RT: 3.87 min Scan# 539

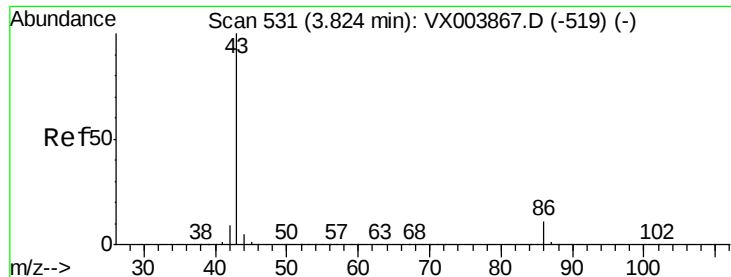
Delta R.T. 0.00 min

Lab File: VX003918.D

Acq: 08 Aug 2018 12:52

Tgt Ion:	45	Resp:	289141
Ion	Ratio	Lower	Upper
45	100		
43	55.9	45.3	67.9
87	29.0	22.7	34.1
59	12.1	9.6	14.4





#23

Vinyl Acetate

Concen: 99.16 ug/l

RT: 3.82 min Scan# 531

Delta R.T. 0.00 min

Lab File: VX003918.D

Acq: 08 Aug 2018 12:52

Instrument :

MSVOA_X

ClientSampled :

VX0808WBS01

Tot Ion: 43 Resp: 1193398

Ion Ratio Lower Upper

43 100

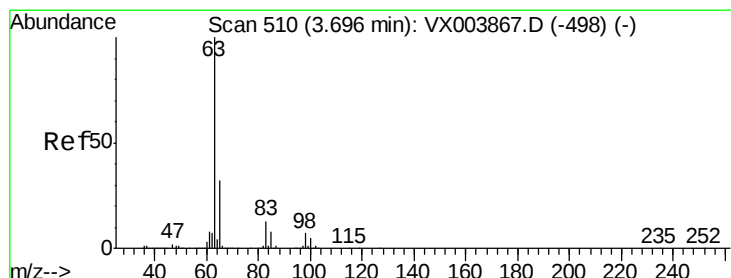
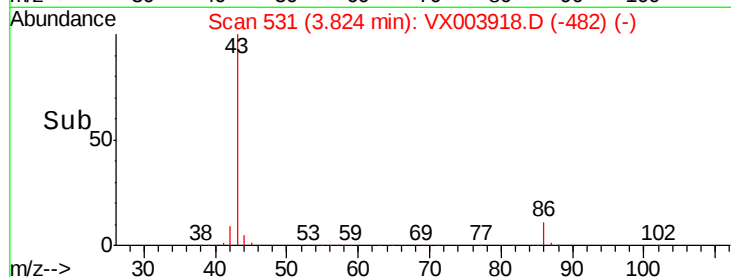
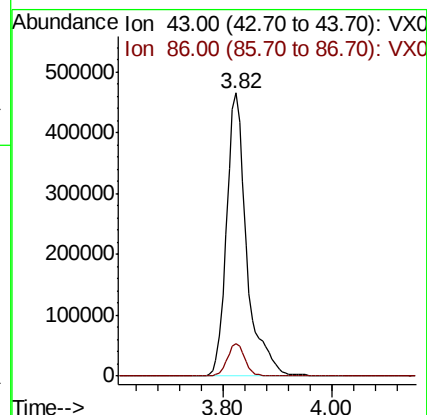
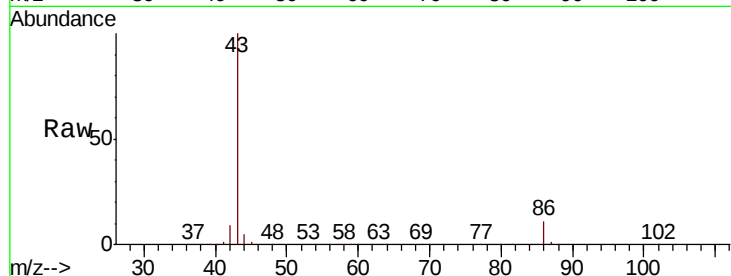
86 11.5 8.9 13.3

Manual Integrations

APPROVED

MMDadoda

8/9/2018 10:39:34 AM



#24

1,1-Dichloroethane

Concen: 20.11 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX003918.D

Acq: 08 Aug 2018 12:52

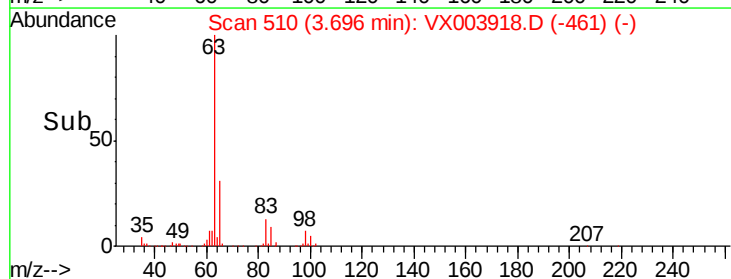
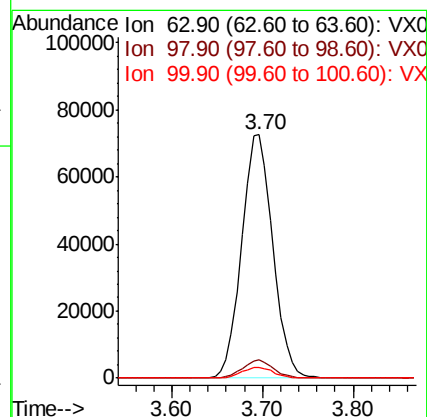
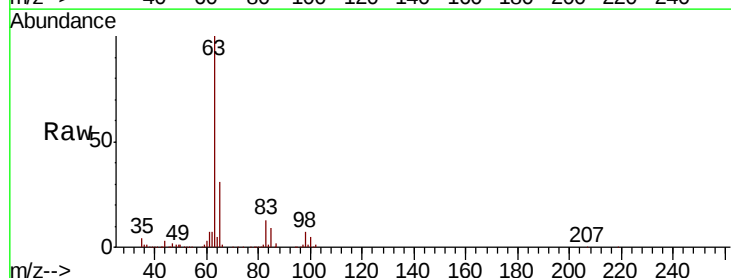
Tgt Ion: 63 Resp: 172822

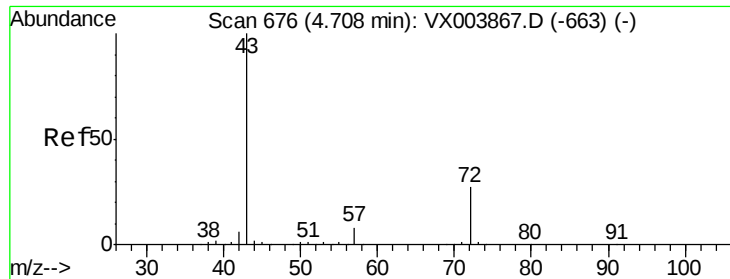
Ion Ratio Lower Upper

63 100

98 7.5 3.5 10.5

100 4.6 2.3 6.8





#25

2-Butanone

Concen: 98.63 ug/l

RT: 4.70 min Scan# 675

Delta R.T. -0.01 min

Lab File: VX003918.D

Acq: 08 Aug 2018 12:52

Instrument :

MSVOA_X

ClientSampled :

VX0808WBS01

Tot Ion: 43 Resp: 444753

Ion Ratio Lower Upper

43 100

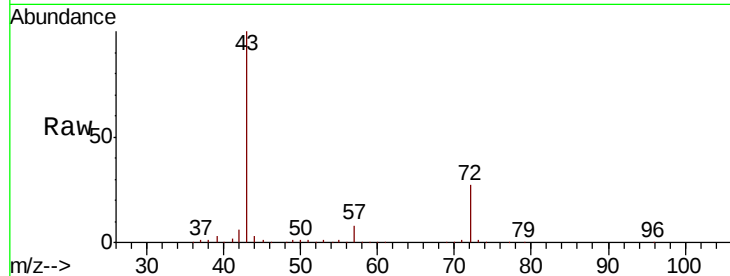
72 27.4 21.4 32.0

Manual Integrations

APPROVED

MMDadoda

8/9/2018 10:39:34 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

150000

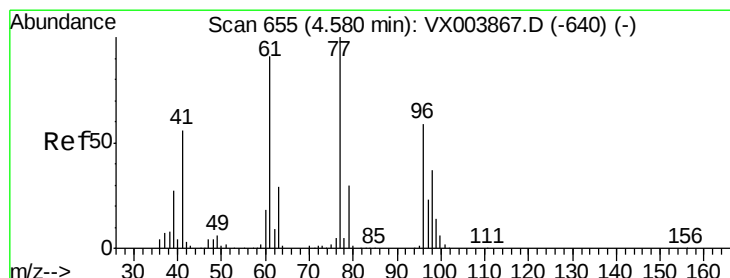
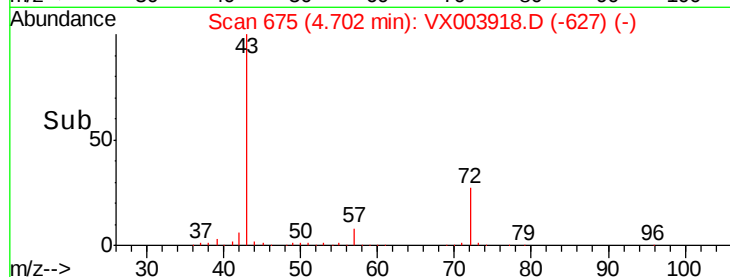
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 21.44 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.01 min

Lab File: VX003918.D

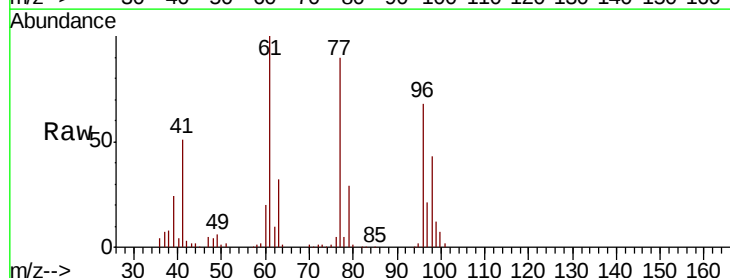
Acq: 08 Aug 2018 12:52

Tgt Ion: 77 Resp: 132848

Ion Ratio Lower Upper

77 100

97 23.3 11.9 35.9



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

50000

40000

30000

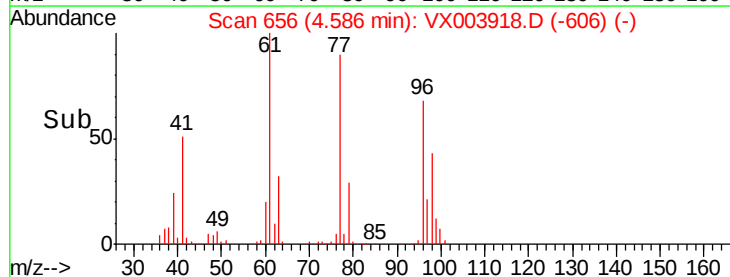
20000

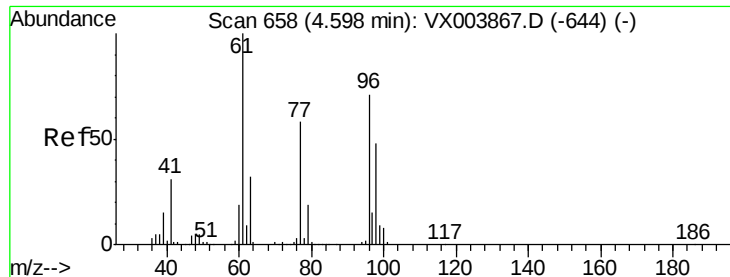
10000

0

4.50 4.60 4.70

Time-->





#27

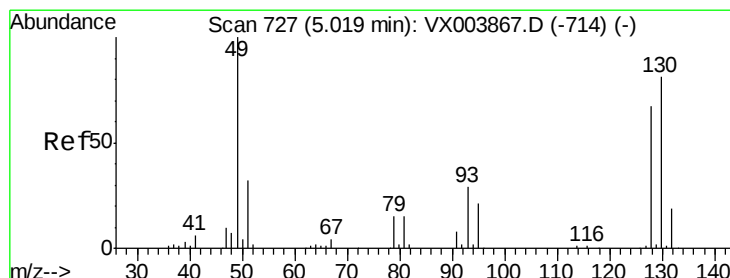
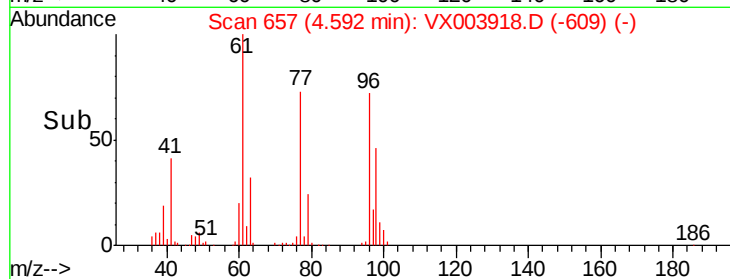
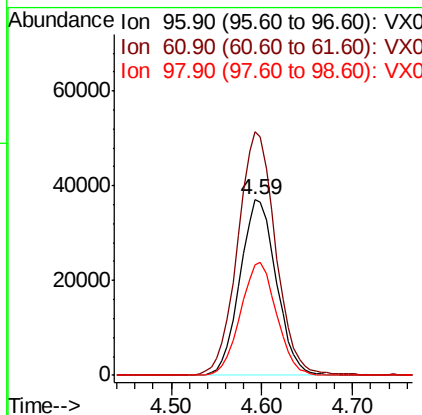
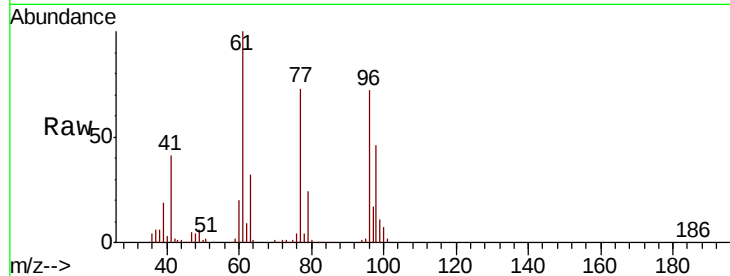
cis-1,2-Dichloroethene
Concen: 20.44 ug/l
RT: 4.59 min Scan# 657
Delta R.T. -0.01 min
Lab File: VX003918.D
Acq: 08 Aug 2018 12:52

Instrument :
MSVOA_X
ClientSampled :
VX0808WBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	145.6	0.0	293.0	
98	64.1	0.0	131.8	

Manual Integrations
APPROVED

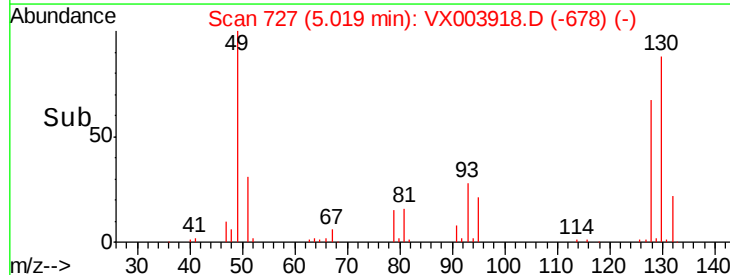
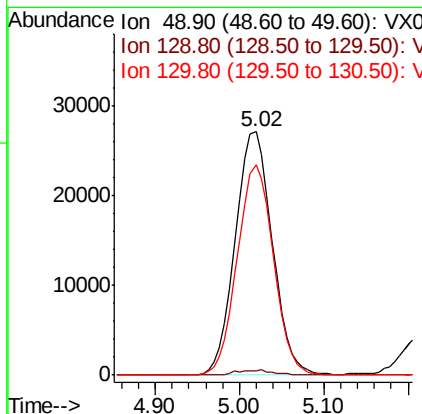
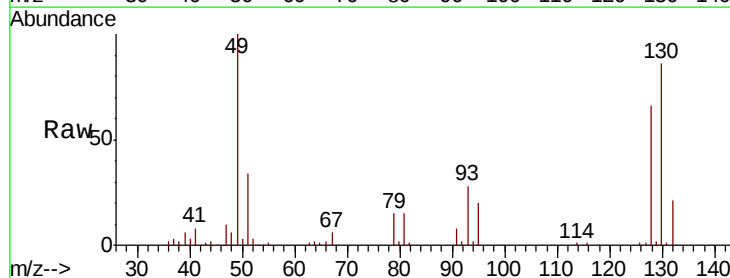
MMDadoda
8/9/2018 10:39:34 AM

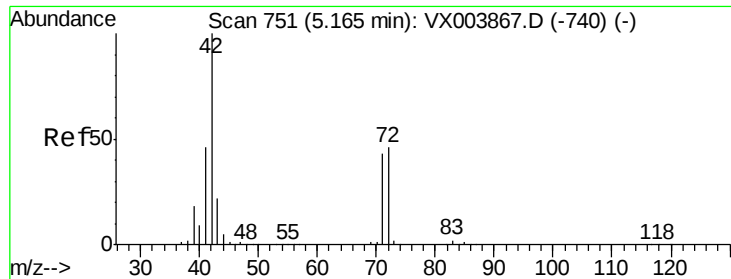


#28

Bromochloromethane
Concen: 22.08 ug/l
RT: 5.02 min Scan# 727
Delta R.T. 0.00 min
Lab File: VX003918.D
Acq: 08 Aug 2018 12:52

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.0	0.0	4.2	
130	84.5	66.5	99.7	





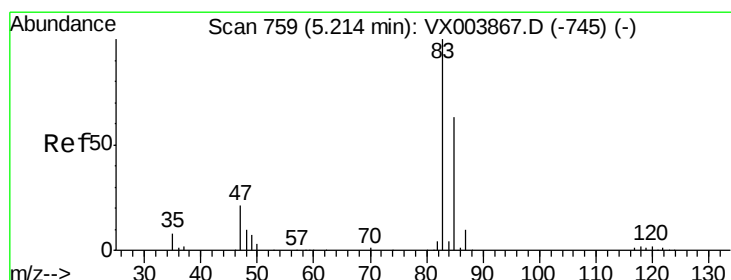
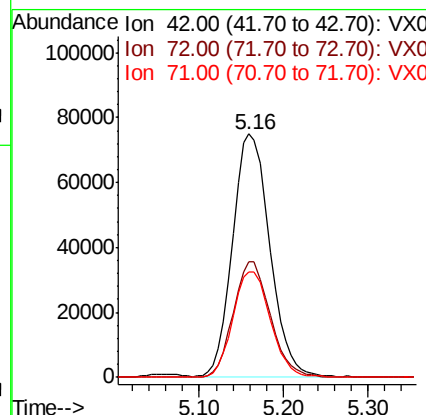
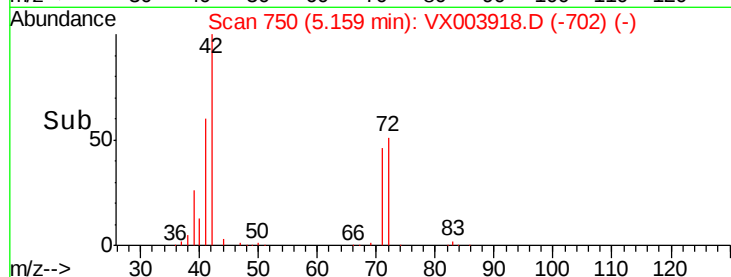
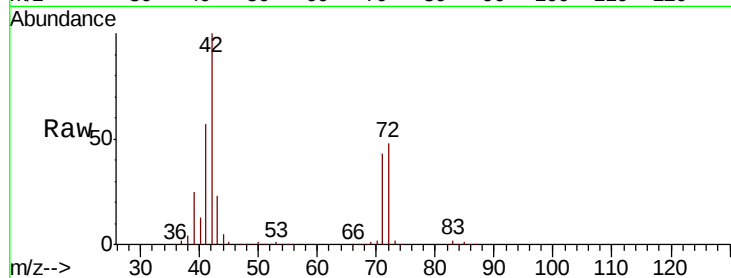
#29
Tetrahydrofuran
Concen: 96.46 ug/l
RT: 5.16 min Scan# 750
Delta R.T. -0.01 min
Lab File: VX003918.D
Acq: 08 Aug 2018 12:52

Instrument :
MSVOA_X
ClientSampled :
VX0808WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.6	37.7	56.5
71	44.3	35.0	52.6

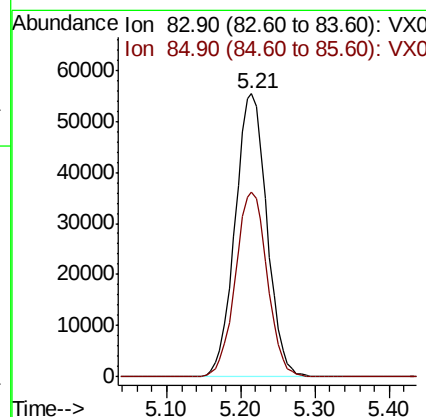
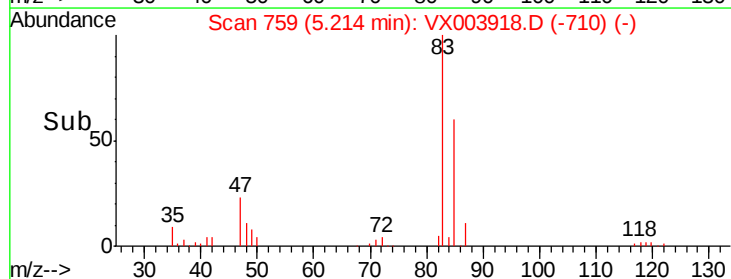
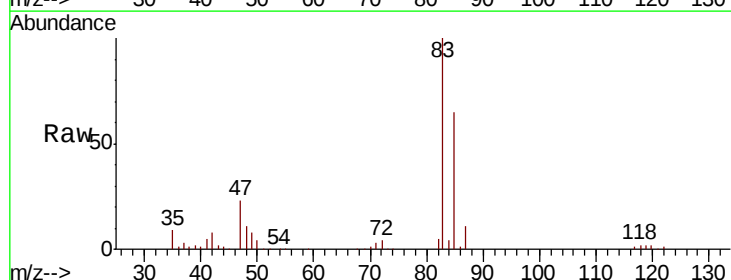
Manual Integrations
APPROVED

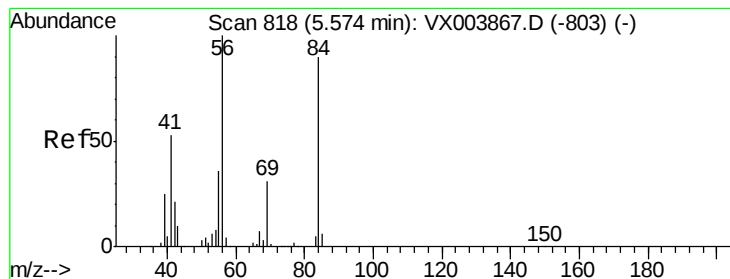
MMDadoda
8/9/2018 10:39:34 AM



#30
Chloroform
Concen: 20.47 ug/l
RT: 5.21 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX003918.D
Acq: 08 Aug 2018 12:52

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	50.7	76.1





#31

Cyclohexane

Concen: 19.94 ug/l

RT: 5.57 min Scan# 818

Delta R.T. 0.00 min

Lab File: VX003918.D

Acq: 08 Aug 2018 12:52

Instrument :

MSVOA_X

ClientSampleId :

VX0808WBS01

Tot Ion: 56 Resp: 144898

Ion Ratio Lower Upper

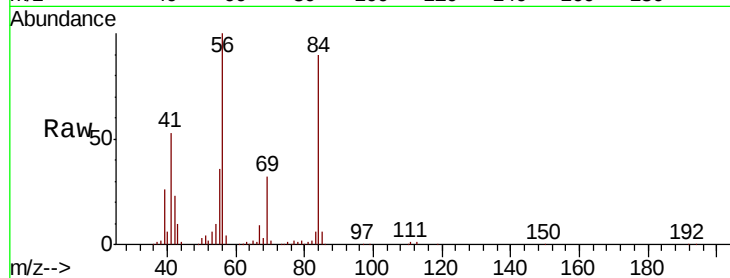
56 100

69 31.6 24.9 37.3

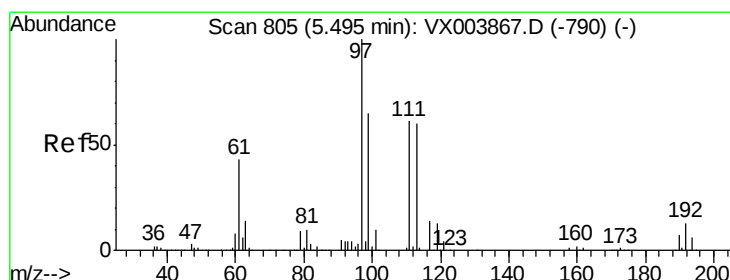
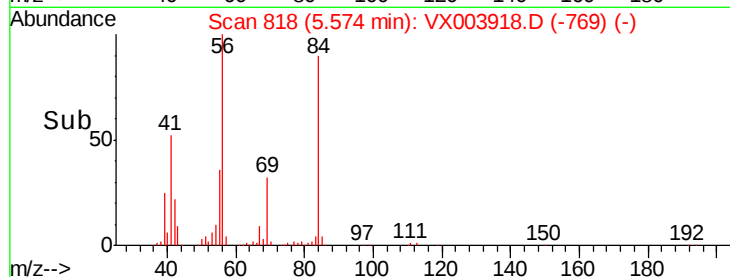
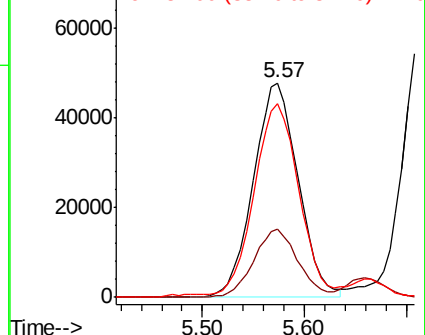
84 88.9 71.7 107.5

Manual Integrations
APPROVED

MMDadoda
8/9/2018 10:39:34 AM



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 20.94 ug/l

RT: 5.49 min Scan# 804

Delta R.T. -0.01 min

Lab File: VX003918.D

Acq: 08 Aug 2018 12:52

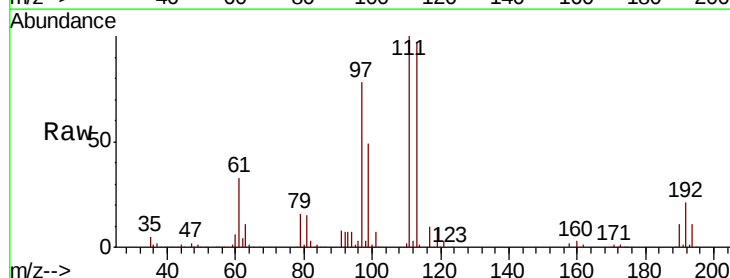
Tgt Ion: 97 Resp: 142041

Ion Ratio Lower Upper

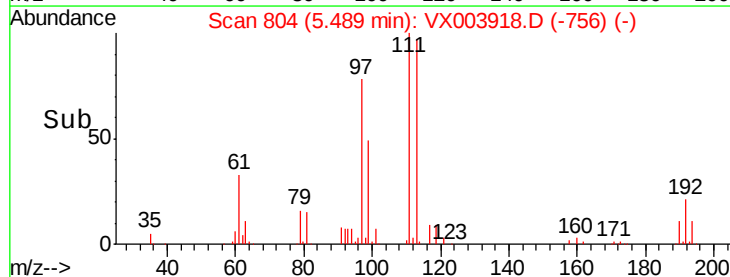
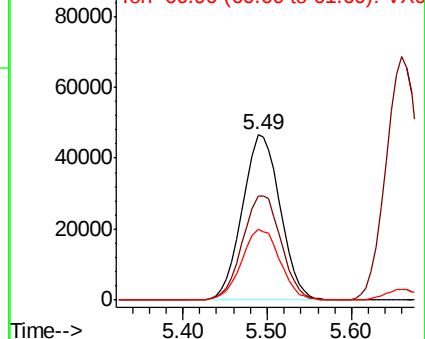
97 100

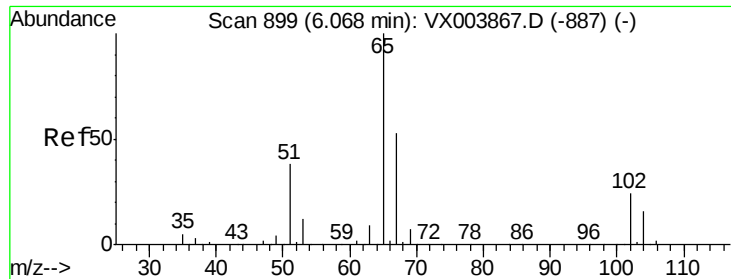
99 64.4 51.8 77.8

61 43.6 34.4 51.6



Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 98.90 (98.60 to 99.60): VX0
Ion 60.90 (60.60 to 61.60): VX0





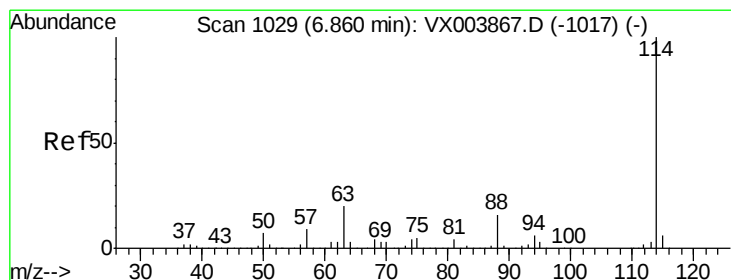
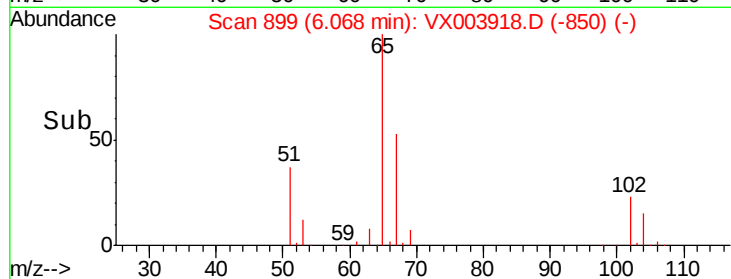
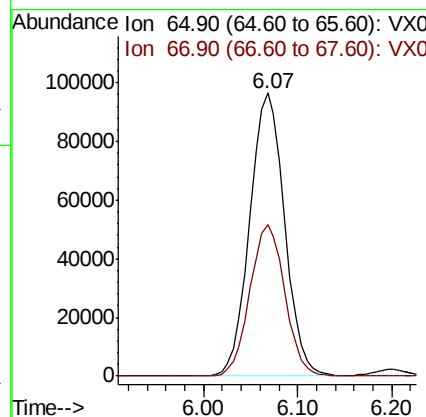
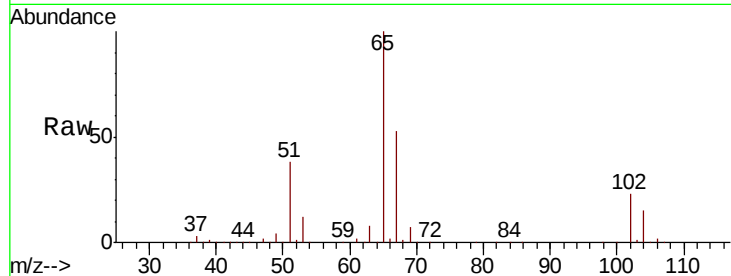
#33
 1,2-Dichloroethane-d4
 Concen: 49.37 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VX003918.D
 Acq: 08 Aug 2018 12:52

Instrument :
 MSVOA_X
 ClientSampled :
 VX0808WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	248926		
67	53.6	0.0	105.8	

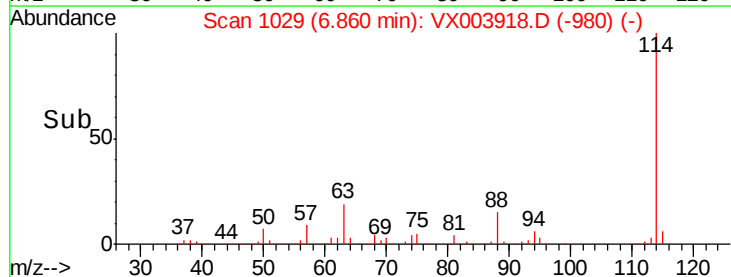
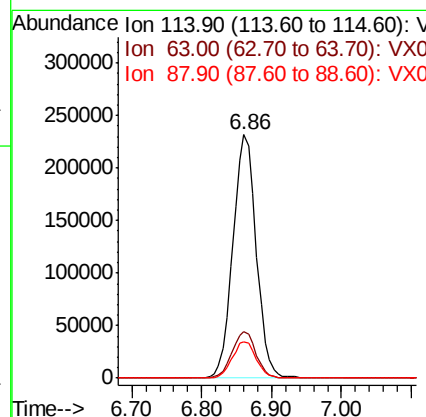
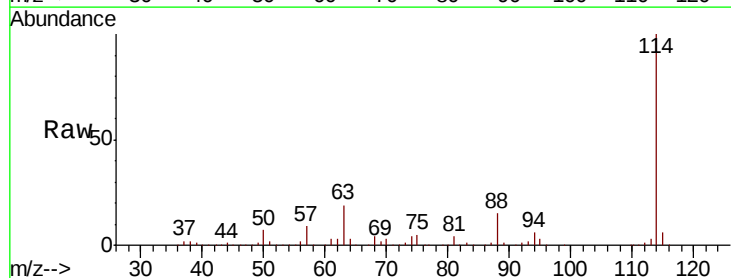
Manual Integrations
 APPROVED

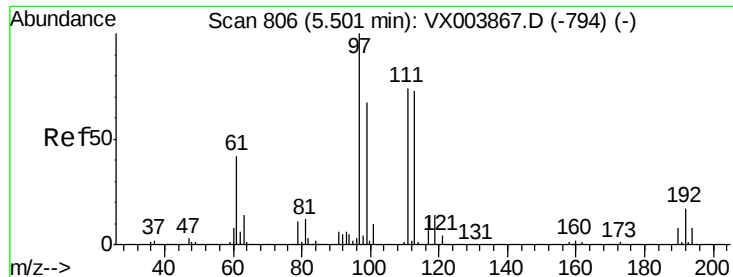
MMDadoda
 8/9/2018 10:39:34 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. 0.00 min
 Lab File: VX003918.D
 Acq: 08 Aug 2018 12:52

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	537484		
63	19.2	0.0	39.0	
88	14.9	0.0	32.0	





#35

Dibromofluoromethane

Concen: 50.94 ug/l

RT: 5.50 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX003918.D

Acq: 08 Aug 2018 12:52

Instrument :

MSVOA_X

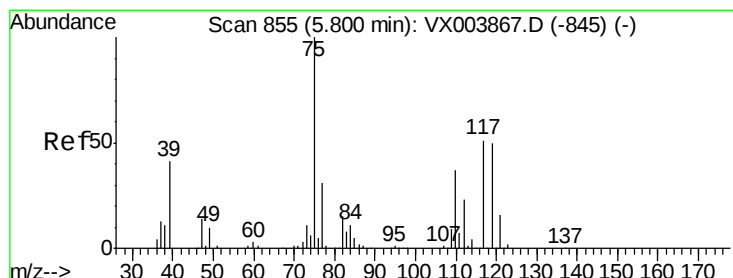
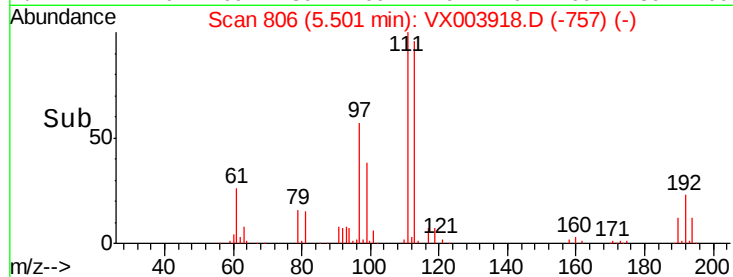
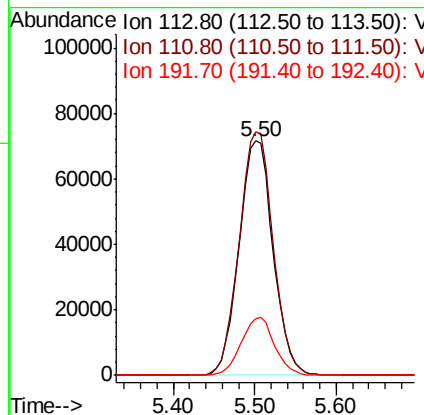
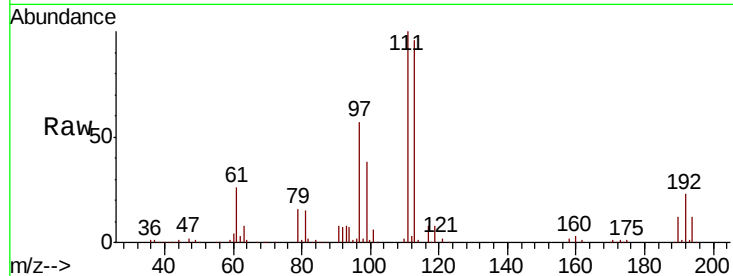
ClientSampled :

VX0808WBS01

Tot Ion:	113	Resp:	207423
Ion Ratio	Lower	Upper	
113	100		
111	103.7	82.0	123.0
192	24.0	19.0	28.4

Manual Integrations
APPROVED

MMDadoda
8/9/2018 10:39:34 AM



#36

1,1-Dichloropropene

Concen: 21.37 ug/l

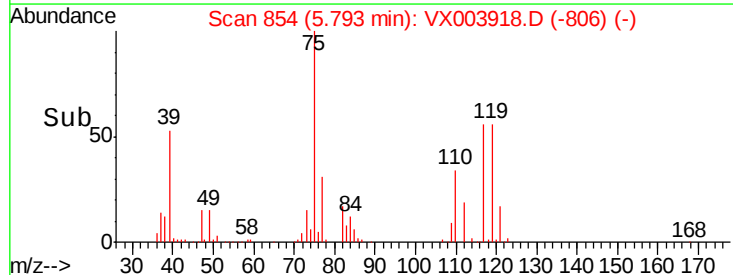
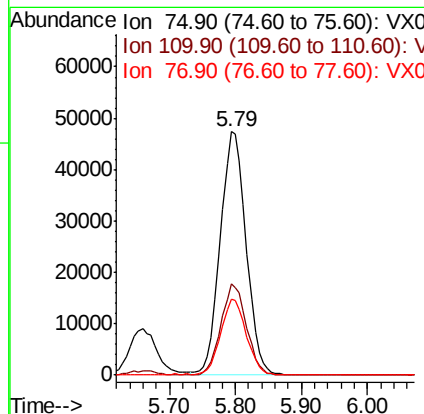
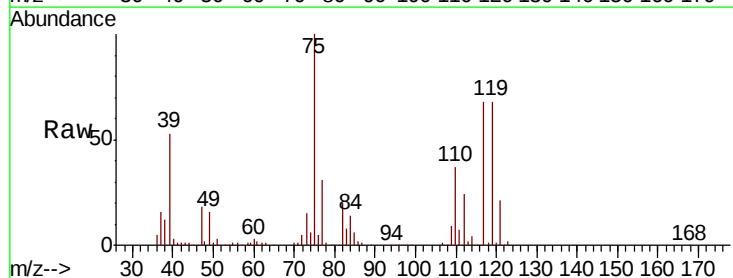
RT: 5.79 min Scan# 854

Delta R.T. -0.01 min

Lab File: VX003918.D

Acq: 08 Aug 2018 12:52

Tgt Ion:	75	Resp:	128656
Ion Ratio	Lower	Upper	
75	100		
110	36.6	18.2	54.6
77	31.0	25.0	37.4





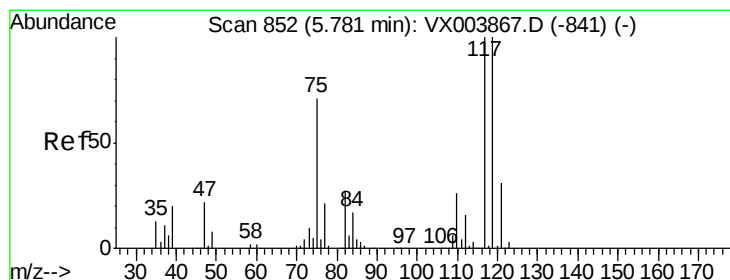
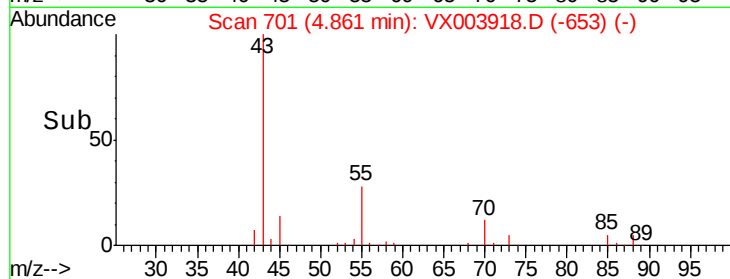
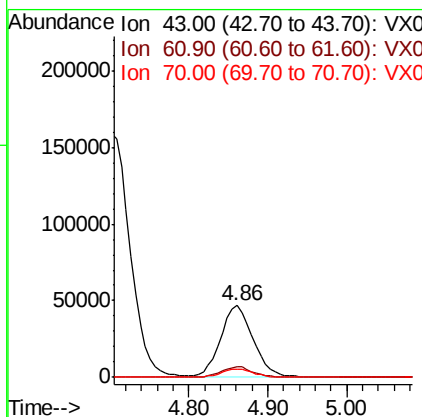
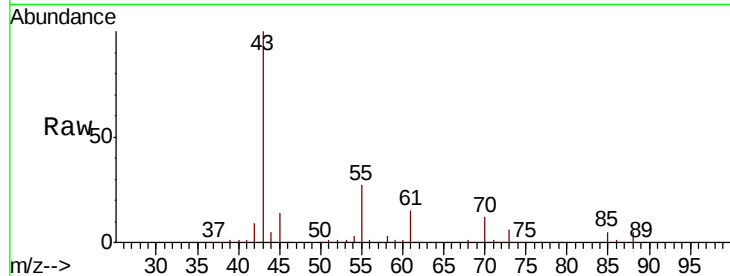
#37
Ethyl Acetate
Concen: 20.34 ug/l
RT: 4.86 min Scan# 701
Delta R.T. -0.01 min
Lab File: VX003918.D
Acq: 08 Aug 2018 12:52

Instrument :
MSVOA_X
ClientSampled :
VX0808WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.5	17.3
70	11.5	9.0	13.4

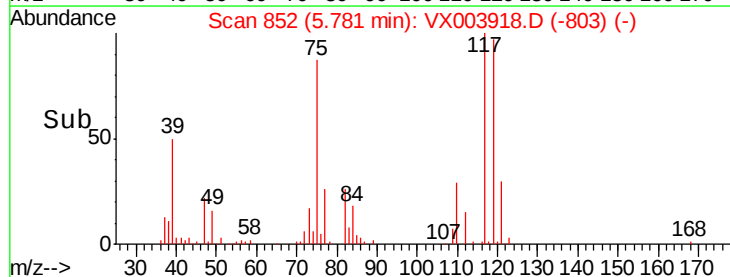
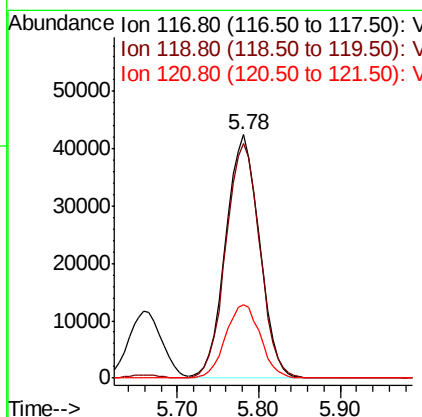
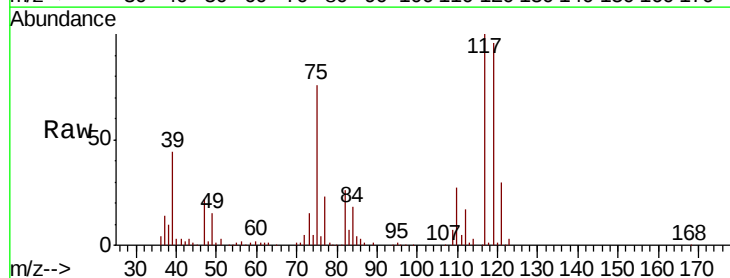
Manual Integrations
APPROVED

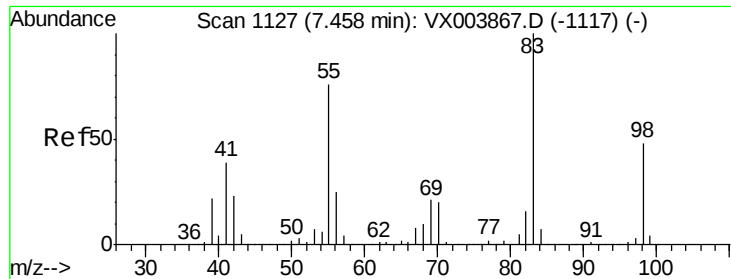
MMDadoda
8/9/2018 10:39:34 AM



#38
Carbon Tetrachloride
Concen: 21.22 ug/l
RT: 5.78 min Scan# 852
Delta R.T. 0.00 min
Lab File: VX003918.D
Acq: 08 Aug 2018 12:52

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.4	79.5	119.3
121	30.1	25.0	37.4





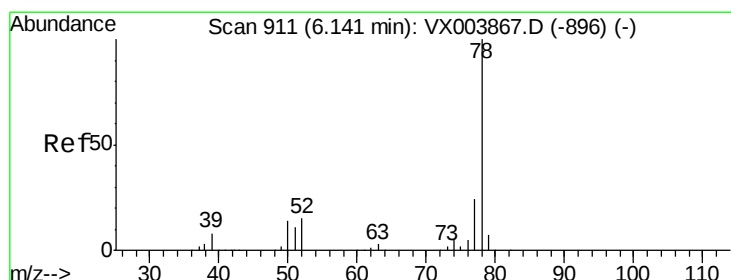
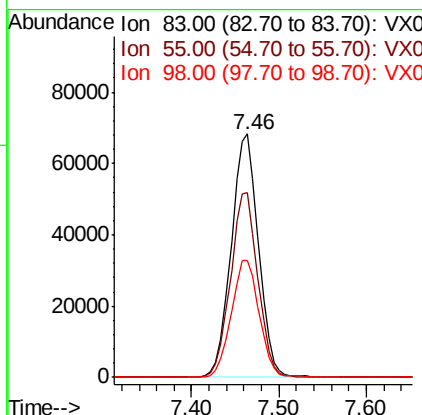
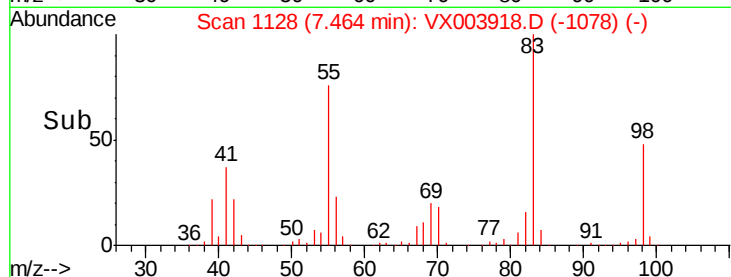
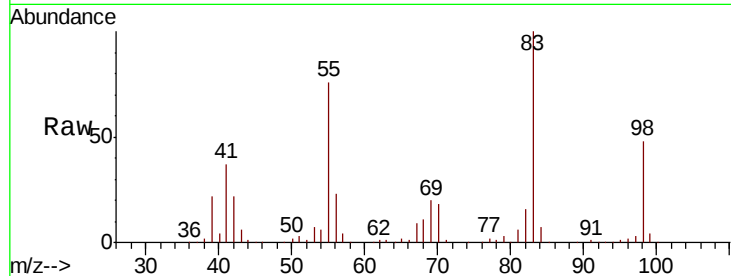
#39
Methvlcvclohexane
Concen: 20.92 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VX003918.D
Acq: 08 Aug 2018 12:52

Instrument :
MSVOA_X
ClientSampled :
VX0808WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	75.7	61.0	91.6	
98	48.2	38.6	57.8	

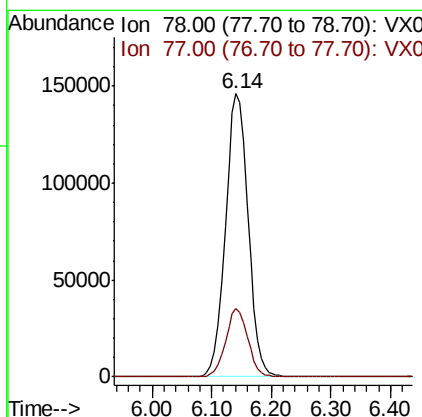
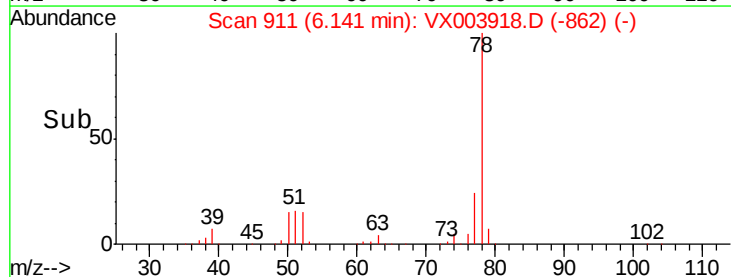
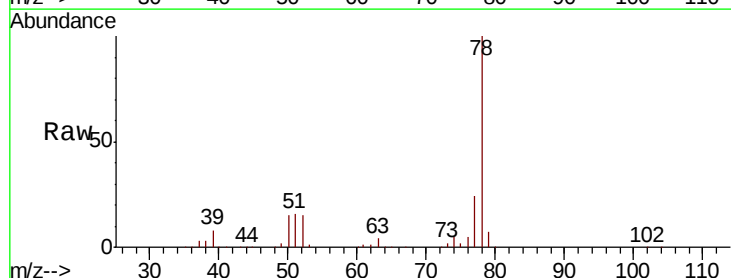
Manual Integrations
APPROVED

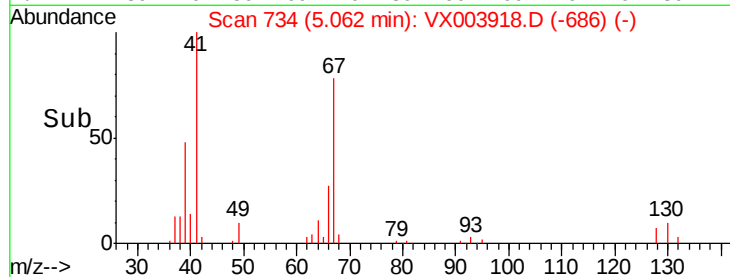
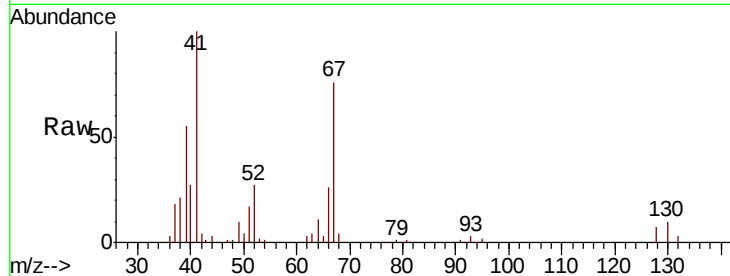
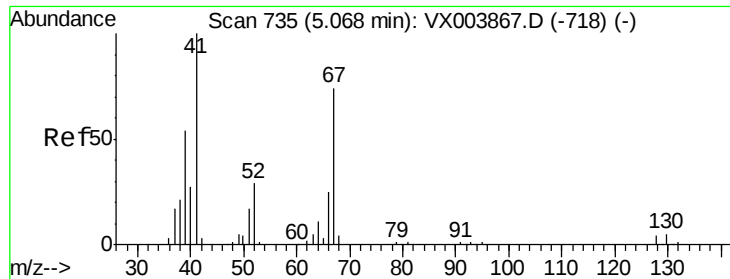
MMDadoda
8/9/2018 10:39:34 AM



#40
Benzene
Concen: 21.39 ug/l
RT: 6.14 min Scan# 911
Delta R.T. 0.00 min
Lab File: VX003918.D
Acq: 08 Aug 2018 12:52

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	24.3	19.0	28.4	





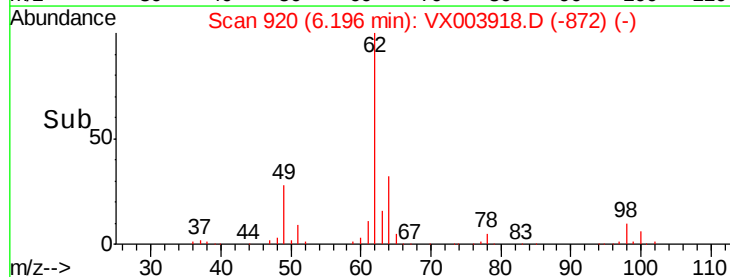
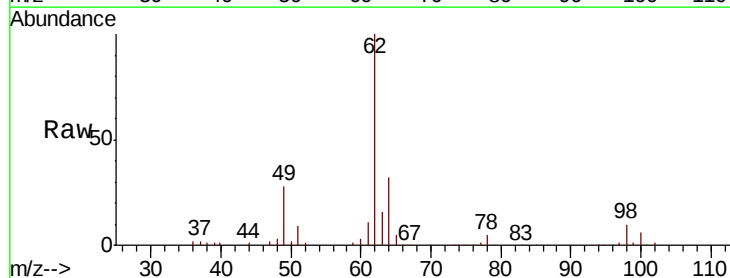
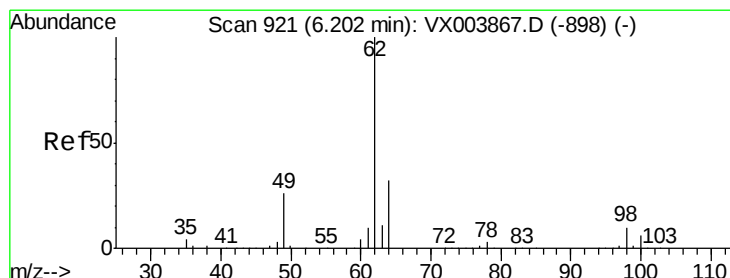
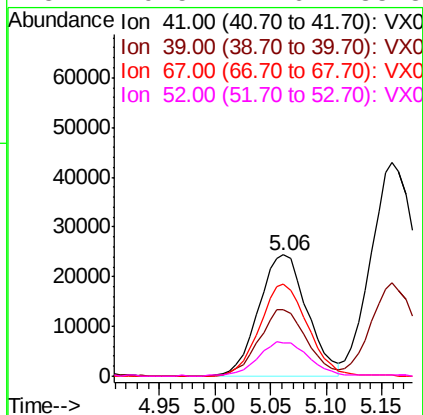
#41
Methacrylonitrile
Concen: 20.17 ug/l
RT: 5.06 min Scan# 734
Delta R.T. -0.01 min
Lab File: VX003918.D
Acq: 08 Aug 2018 12:52

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.9	42.7	64.1	
67	75.8	58.9	88.3	
52	29.5	22.6	33.8	

Instrument :
MSVOA_X
ClientSampled :
VX0808WBS01

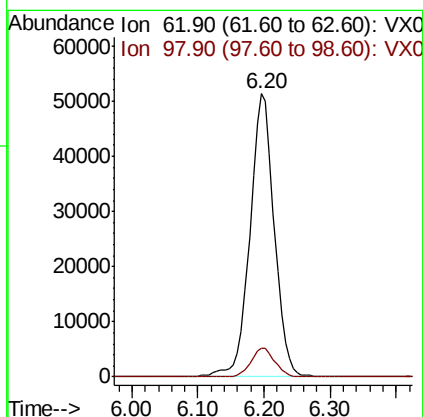
Manual Integrations
APPROVED

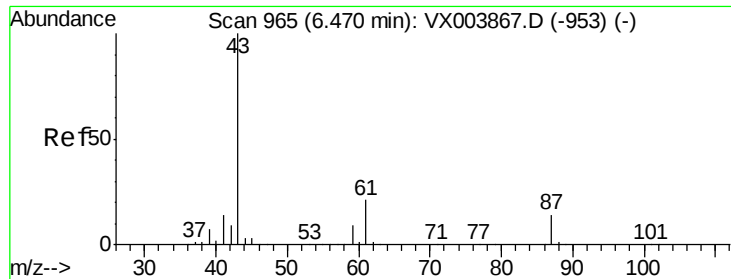
MMDadoda
8/9/2018 10:39:34 AM



#42
1,2-Dichloroethane
Concen: 21.57 ug/l
RT: 6.20 min Scan# 920
Delta R.T. -0.01 min
Lab File: VX003918.D
Acq: 08 Aug 2018 12:52

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.0	0.0	20.4	





#43

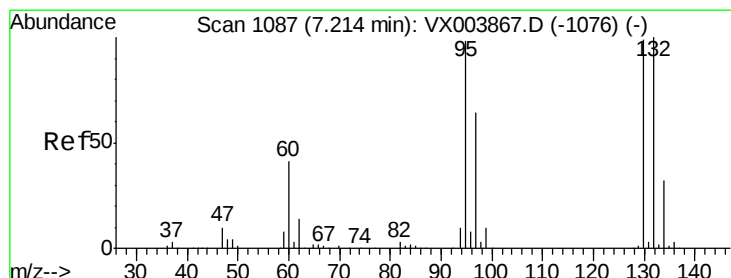
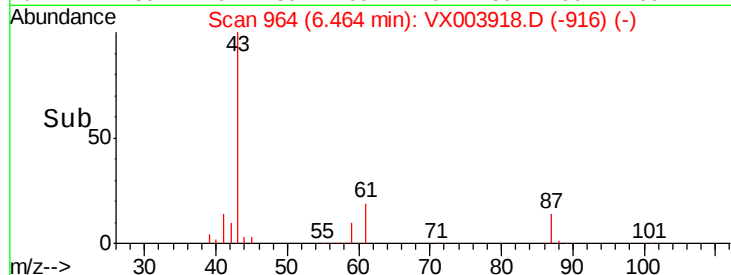
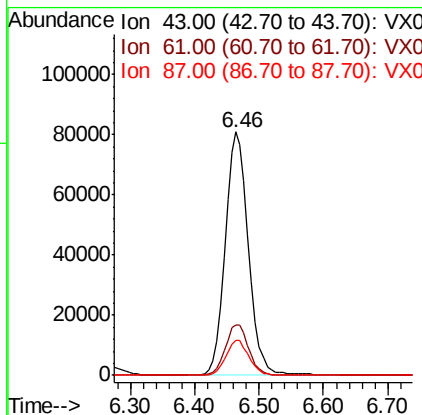
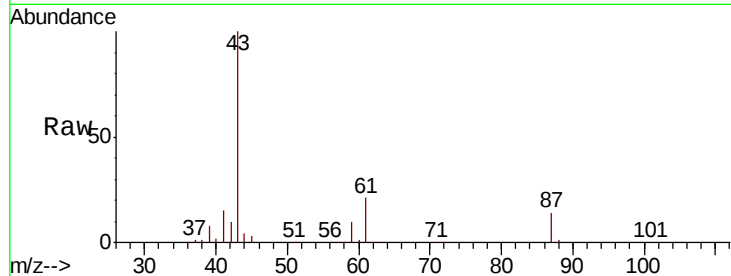
Isopropyl Acetate
 Concen: 20.43 ug/l
 RT: 6.46 min Scan# 964
 Delta R.T. -0.01 min
 Lab File: VX003918.D
 Acq: 08 Aug 2018 12:52

Instrument :
 MSVOA_X
 ClientSampled :
 VX0808WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.2	16.9	25.3
87	14.4	11.3	16.9

Manual Integrations
 APPROVED

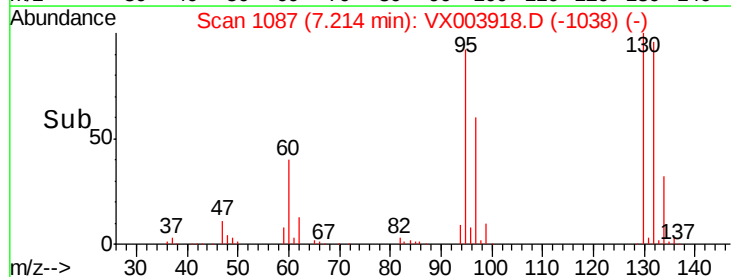
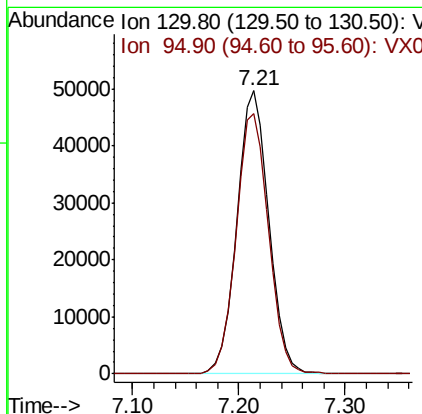
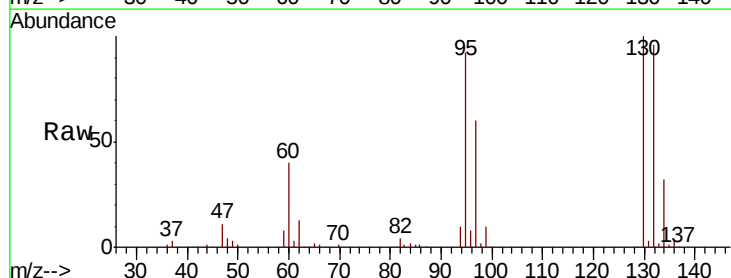
MMDadoda
 8/9/2018 10:39:34 AM

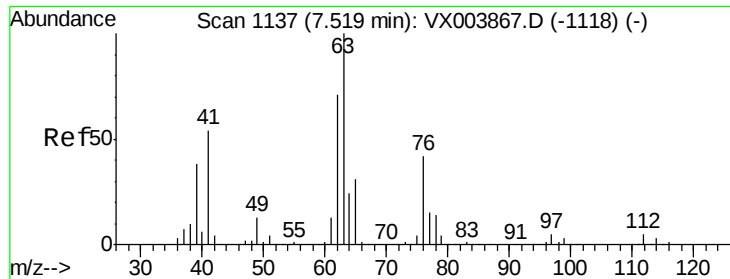


#44

Trichloroethene
 Concen: 21.11 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. 0.00 min
 Lab File: VX003918.D
 Acq: 08 Aug 2018 12:52

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.1	0.0	199.4





#45

1,2-Dichloropropane

Concen: 20.54 ug/l

RT: 7.51 min Scan# 1136

Delta R.T. -0.01 min

Lab File: VX003918.D

Acq: 08 Aug 2018 12:52

Instrument :

MSVOA_X

ClientSampled :

VX0808WBS01

Tot Ion: 63 Resp: 95880

Ion Ratio Lower Upper

63 100

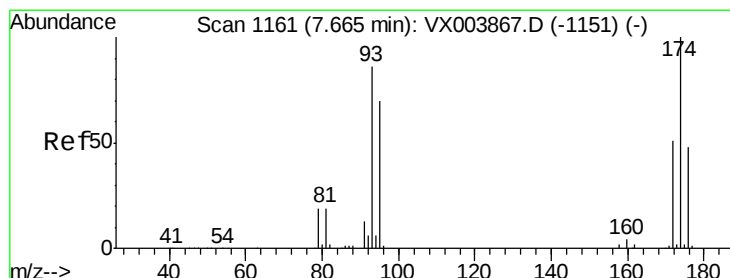
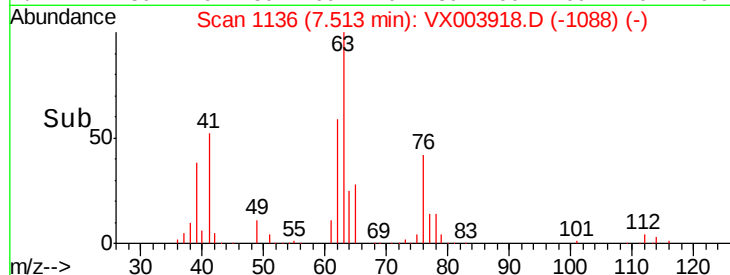
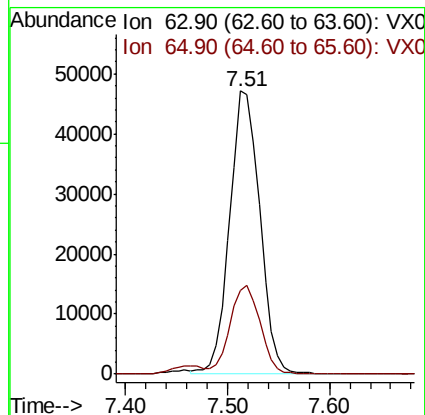
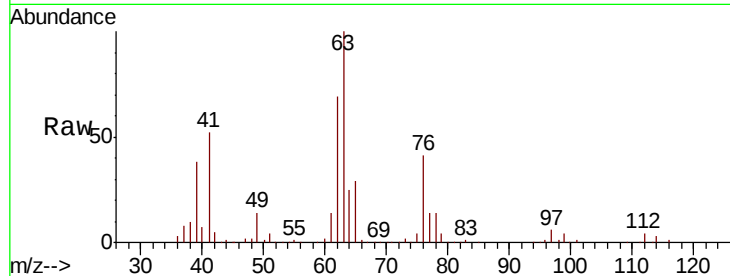
65 29.3 24.6 36.8

Manual Integrations

APPROVED

MMDadoda

8/9/2018 10:39:34 AM



#46

Dibromomethane

Concen: 20.62 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. 0.00 min

Lab File: VX003918.D

Acq: 08 Aug 2018 12:52

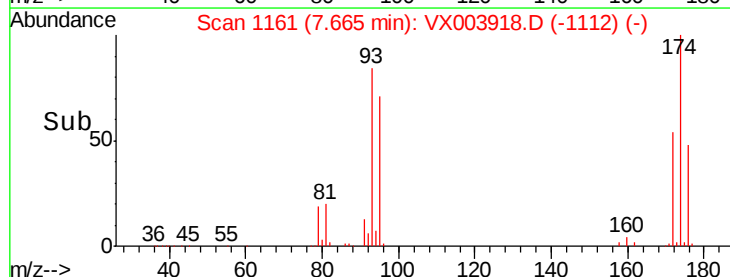
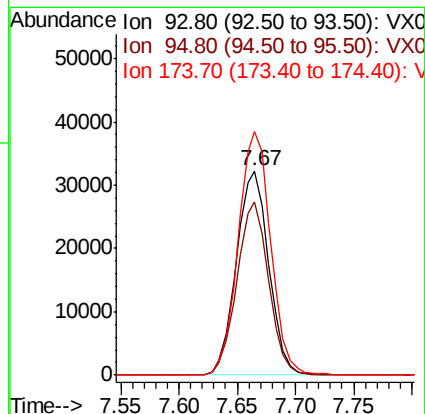
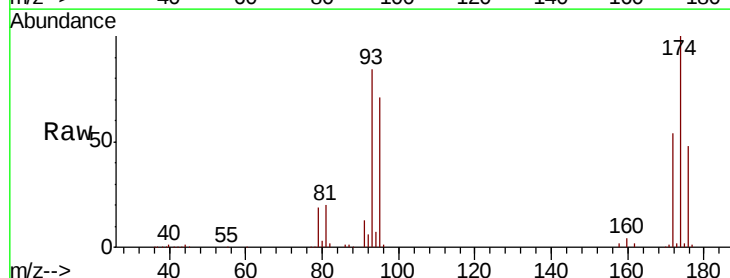
Tgt Ion: 93 Resp: 62503

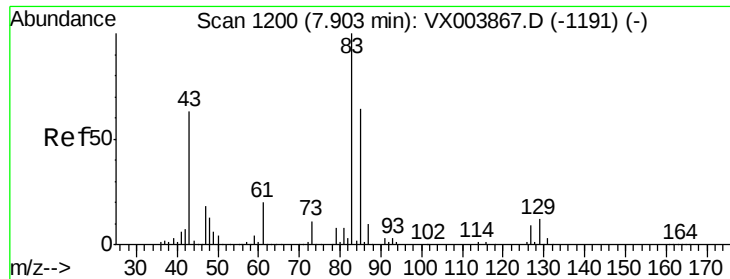
Ion Ratio Lower Upper

93 100

95 83.2 66.4 99.6

174 119.9 94.3 141.5





#47

Bromodichloromethane

Concen: 20.86 ug/l

RT: 7.90 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VX003918.D

Acq: 08 Aug 2018 12:52

Instrument :

MSVOA_X

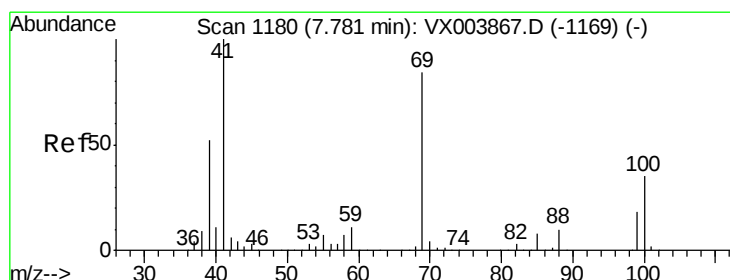
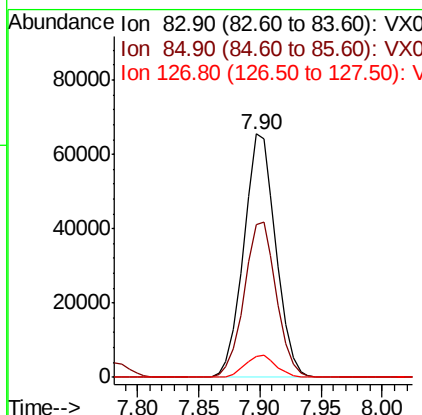
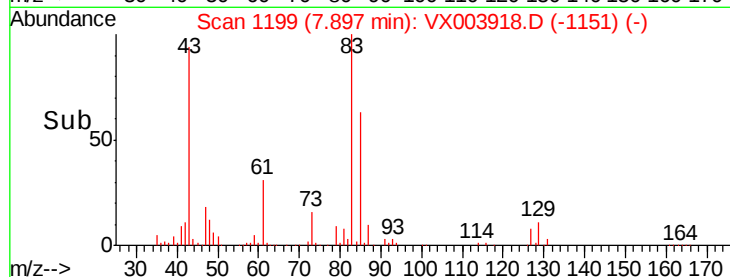
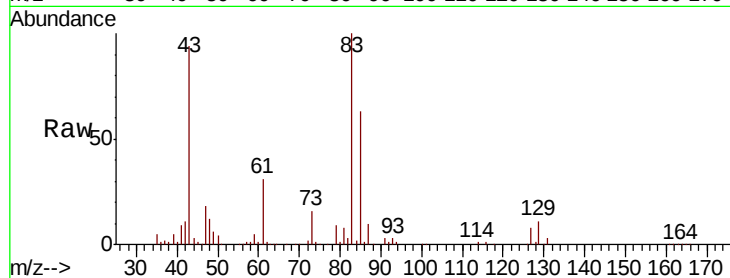
ClientSampleId :

VX0808WBS01

Tot Ion:	83	Resp:	119095
Ion Ratio	Lower	Upper	
83	100		
85	62.8	51.2	76.8
127	8.5	7.2	10.8

Manual Integrations
APPROVED

MMDadoda
8/9/2018 10:39:34 AM



#48

Methyl methacrylate

Concen: 20.83 ug/l

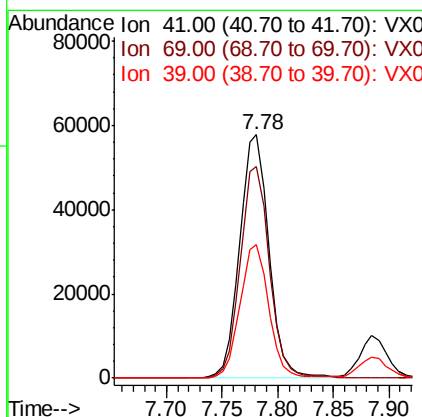
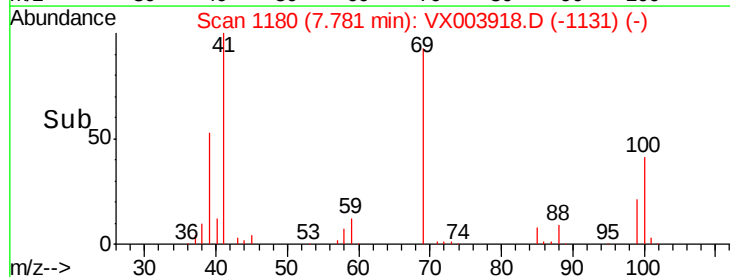
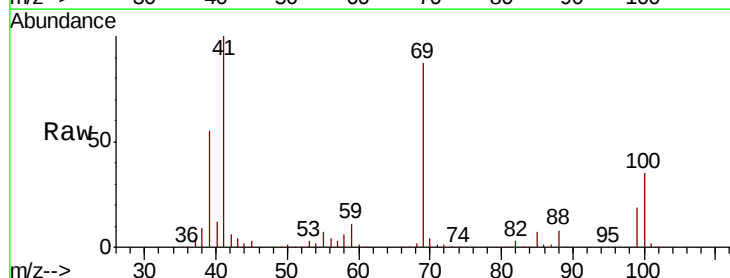
RT: 7.78 min Scan# 1180

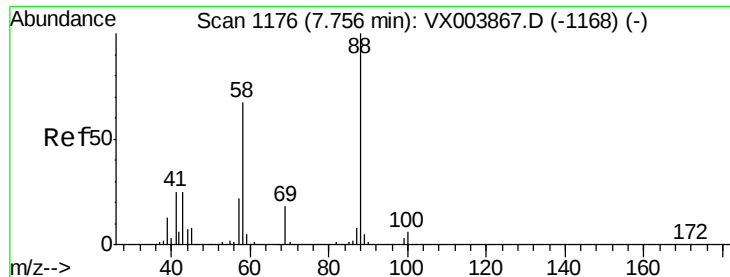
Delta R.T. 0.00 min

Lab File: VX003918.D

Acq: 08 Aug 2018 12:52

Tgt Ion:	41	Resp:	105504
Ion Ratio	Lower	Upper	
41	100		
69	87.0	68.8	103.2
39	54.1	42.3	63.5





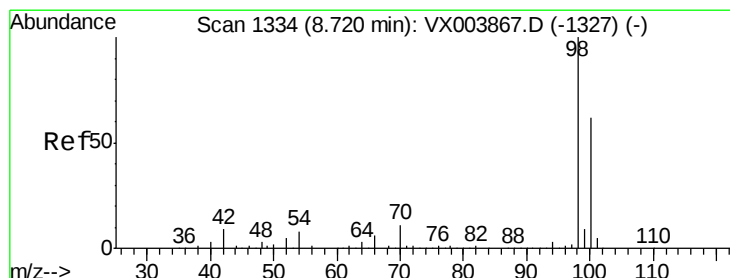
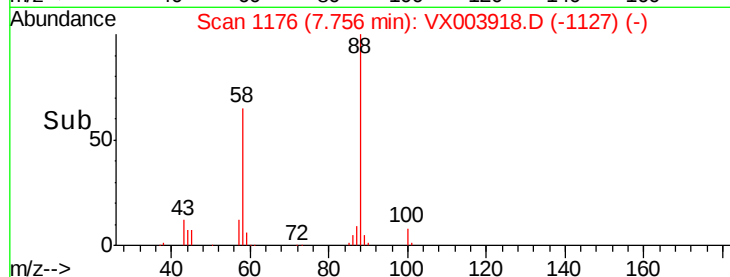
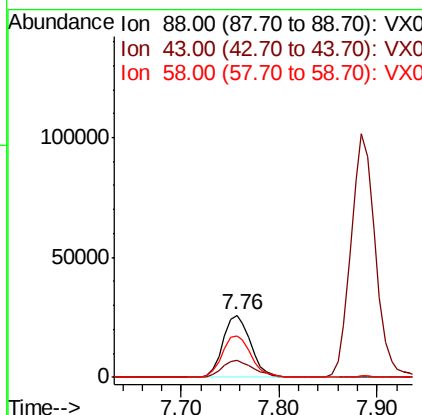
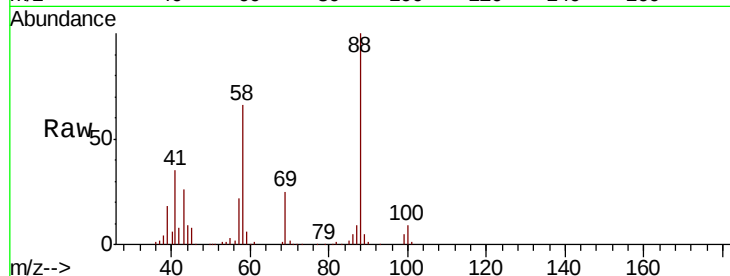
#49
 1,4-Dioxane
 Concen: 425.53 ug/l
 RT: 7.76 min Scan# 1176
 Delta R.T. 0.00 min
 Lab File: VX003918.D
 Acq: 08 Aug 2018 12:52

Instrument :
 MSVOA_X
 ClientSampled :
 VX0808WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.4	23.8	35.8
58	70.4	55.4	83.0

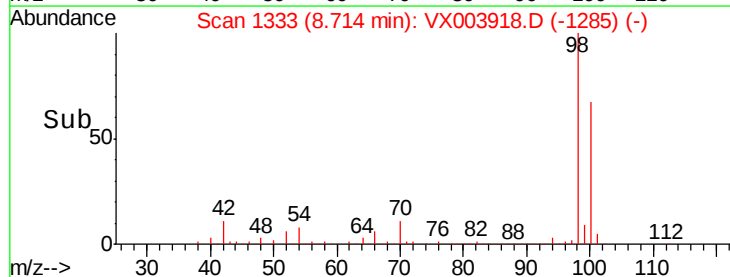
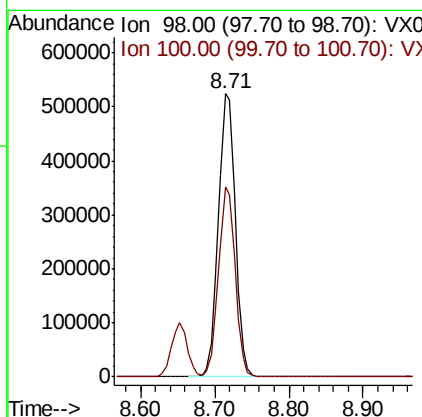
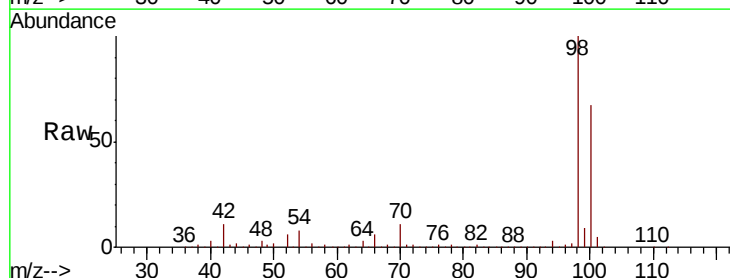
Manual Integrations
 APPROVED

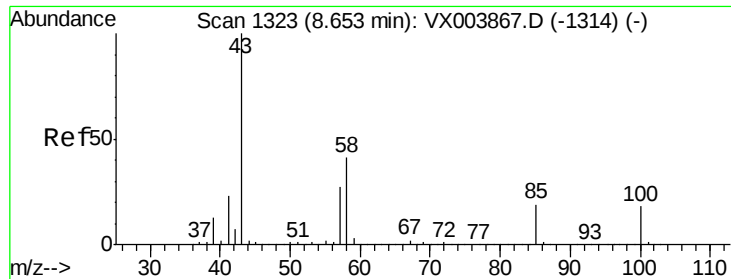
MMDadoda
 8/9/2018 10:39:34 AM



#50
 Toluene-d8
 Concen: 51.89 ug/l
 RT: 8.71 min Scan# 1333
 Delta R.T. -0.01 min
 Lab File: VX003918.D
 Acq: 08 Aug 2018 12:52

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.3	53.3	79.9





#51

4-Methyl-2-Pentanone

Concen: 104.98 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VX003918.D

Acq: 08 Aug 2018 12:52

Instrument :

MSVOA_X

ClientSampleId :

VX0808WBS01

Tot Ion: 43 Resp: 867157

Ion Ratio Lower Upper

43 100

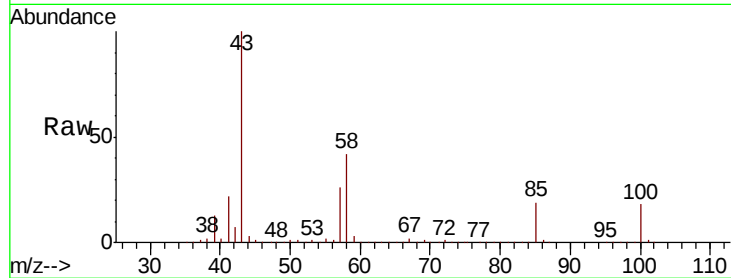
58 41.4 33.0 49.6

Manual Integrations

APPROVED

MMDadoda

8/9/2018 10:39:34 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

600000

500000

400000

300000

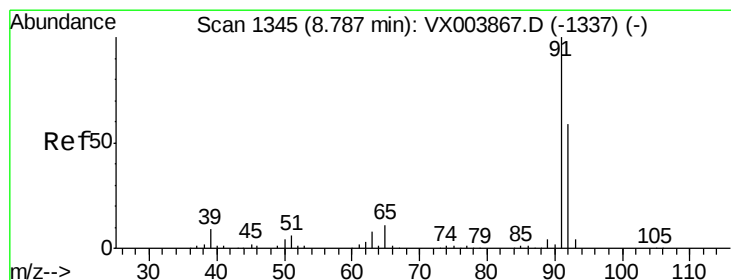
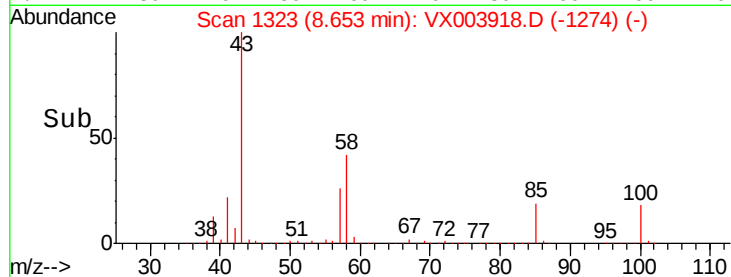
200000

100000

0

8.55 8.60 8.65 8.70

Time-->



#52

Toluene

Concen: 21.70 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX003918.D

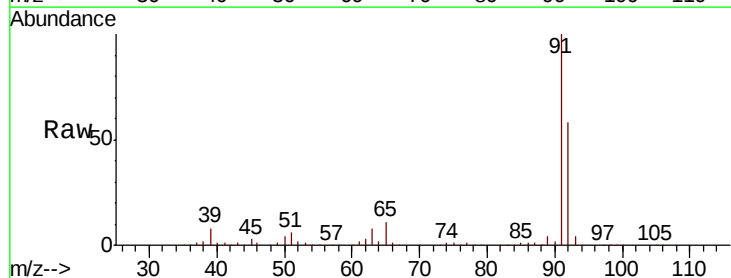
Acq: 08 Aug 2018 12:52

Tgt Ion: 92 Resp: 247855

Ion Ratio Lower Upper

92 100

91 171.2 136.1 204.1



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

300000

250000

200000

150000

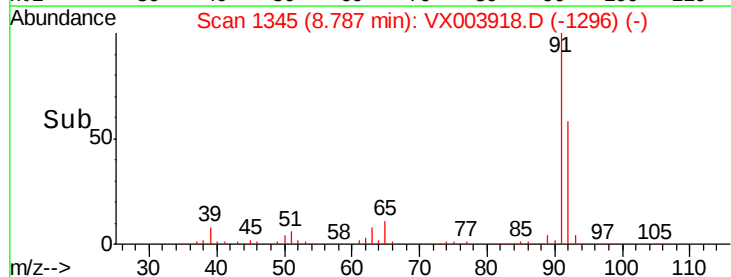
100000

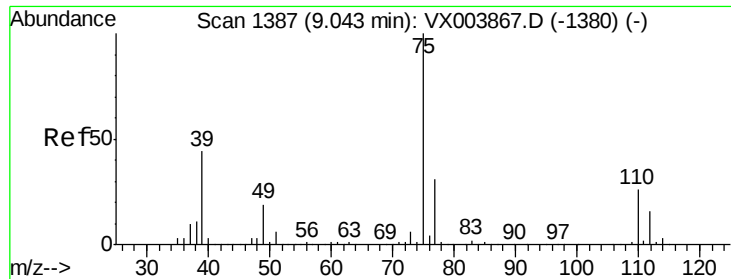
50000

0

8.70 8.80 8.90

Time-->





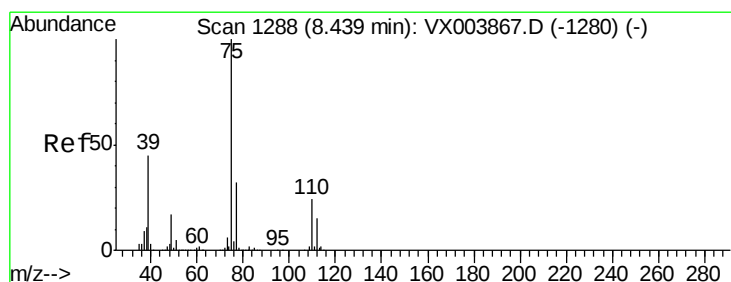
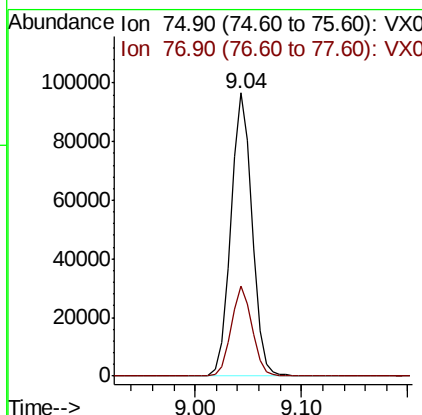
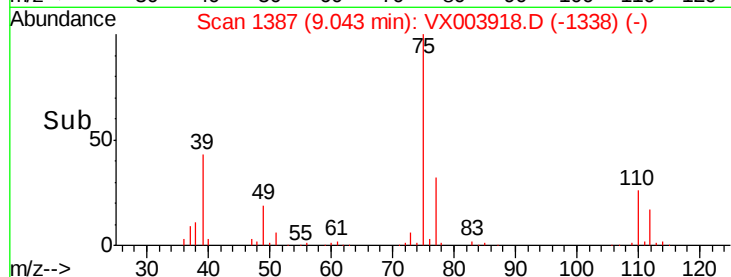
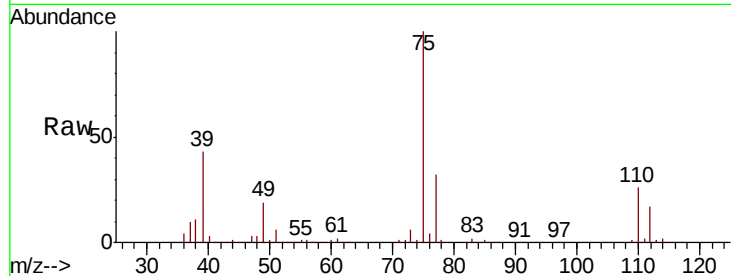
#53
t-1,3-Dichloropropene
Concen: 21.00 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. 0.00 min
Lab File: VX003918.D
Acq: 08 Aug 2018 12:52

Instrument :
MSVOA_X
ClientSampled :
VX0808WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.1	37.7

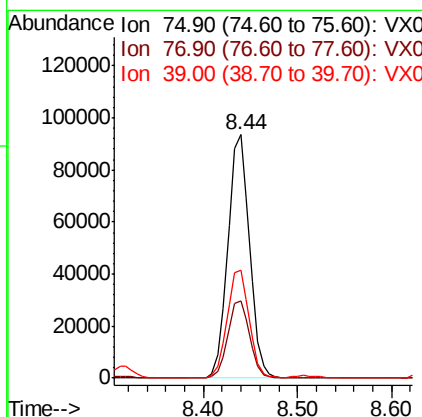
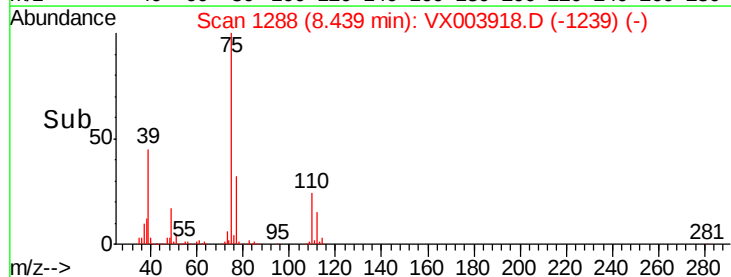
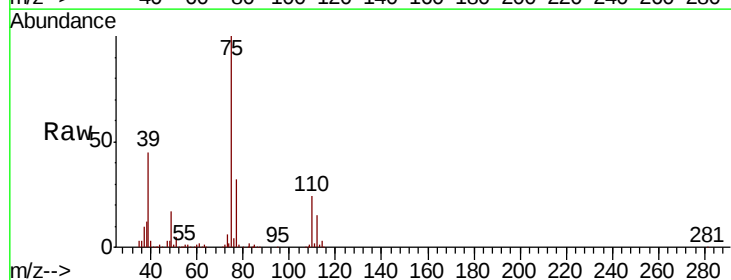
Manual Integrations
APPROVED

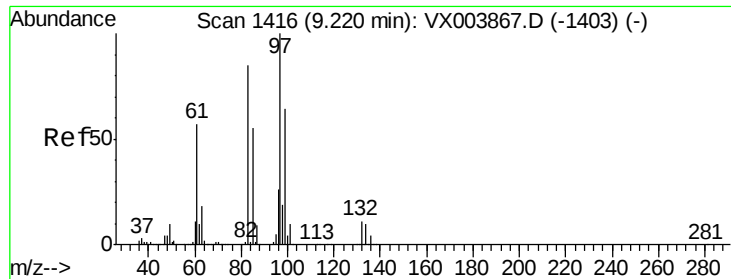
MMDadoda
8/9/2018 10:39:34 AM



#54
cis-1,3-Dichloropropene
Concen: 21.42 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VX003918.D
Acq: 08 Aug 2018 12:52

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.3	37.9
39	44.4	36.2	54.2





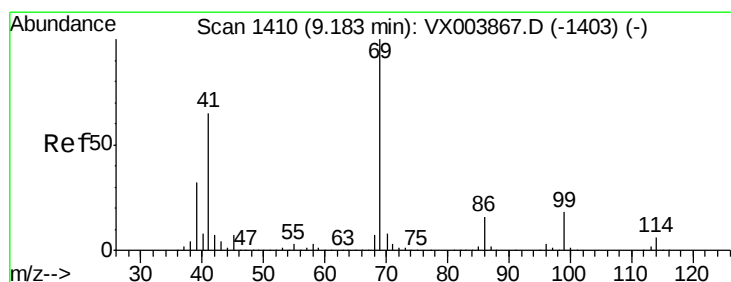
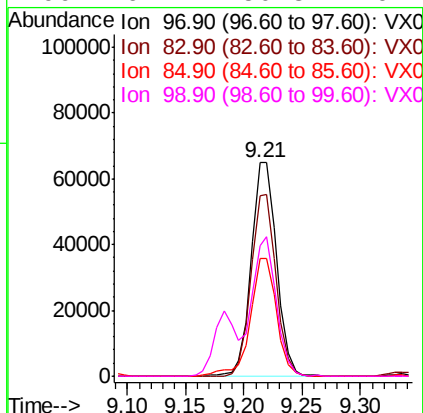
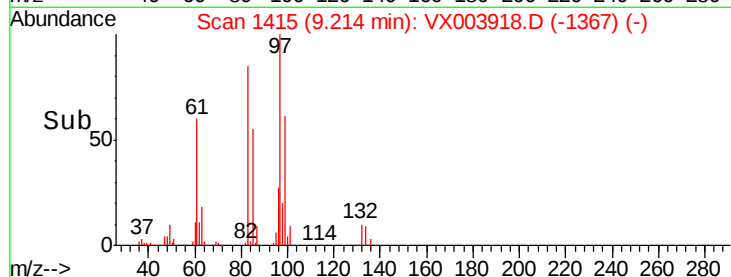
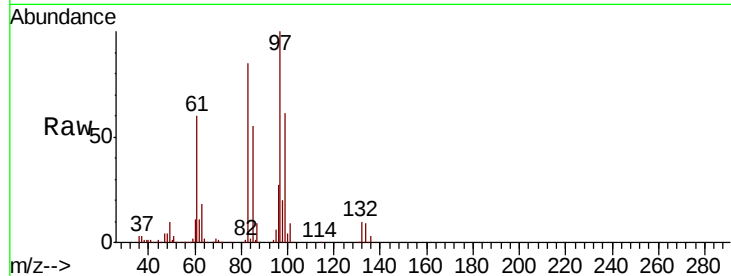
#55
 1,1,2-Trichloroethane
 Concen: 21.22 ug/l
 RT: 9.21 min Scan# 1415
 Delta R.T. -0.01 min
 Lab File: VX003918.D
 Acq: 08 Aug 2018 12:52

Instrument :
 MSVOA_X
 ClientSampled :
 VX0808WBS01

Tot Ion:	97	Resp:	99052
Ion	Ratio	Lower	Upper
97	100		
83	84.6	67.8	101.6
85	55.1	44.2	66.2
99	61.2	50.8	76.2

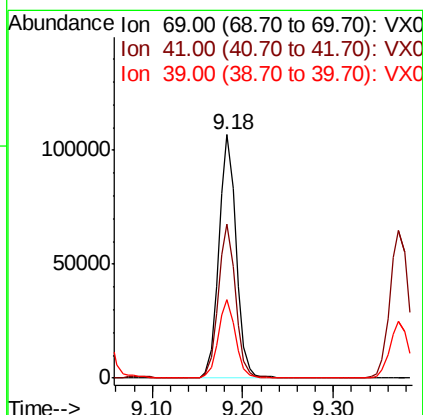
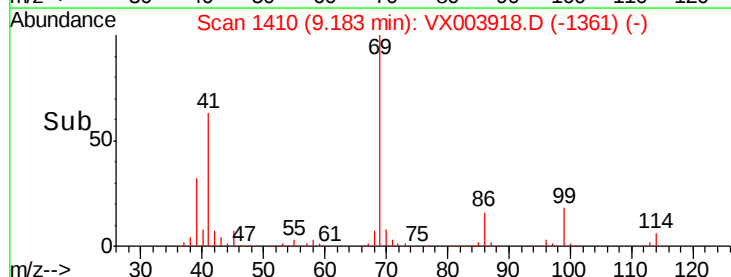
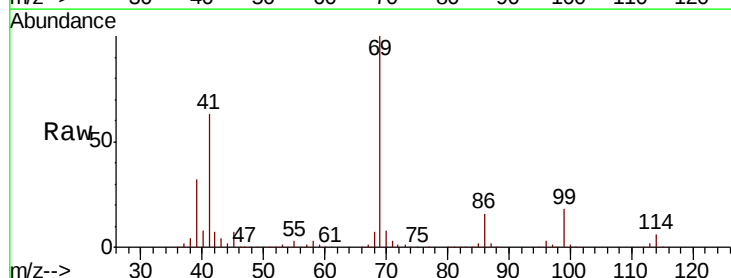
Manual Integrations
 APPROVED

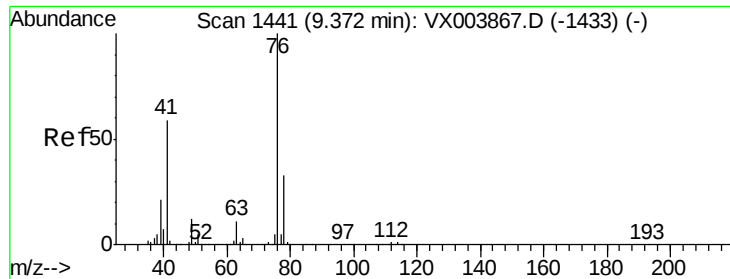
MMDadoda
 8/9/2018 10:39:34 AM



#56
 Ethyl methacrylate
 Concen: 21.14 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX003918.D
 Acq: 08 Aug 2018 12:52

Tgt Ion:	69	Resp:	143182
Ion	Ratio	Lower	Upper
69	100		
41	63.1	50.6	76.0
39	31.9	25.8	38.6





#57

1,3-Dichloropropane

Concen: 21.42 ug/l

RT: 9.37 min Scan# 1441

Delta R.T. 0.00 min

Lab File: VX003918.D

Acq: 08 Aug 2018 12:52

Instrument :

MSVOA_X

ClientSampled :

VX0808WBS01

Tot Ion: 76 Resp: 167352

Ion Ratio Lower Upper

76 100

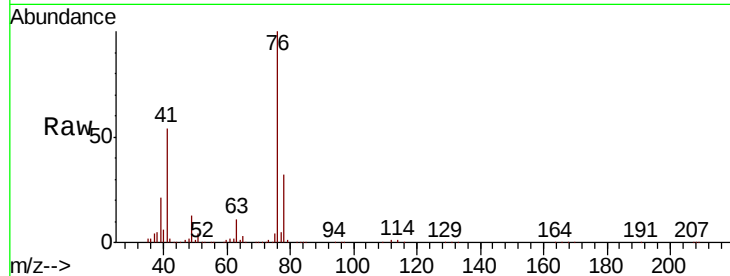
78 32.3 25.9 38.9

Manual Integrations

APPROVED

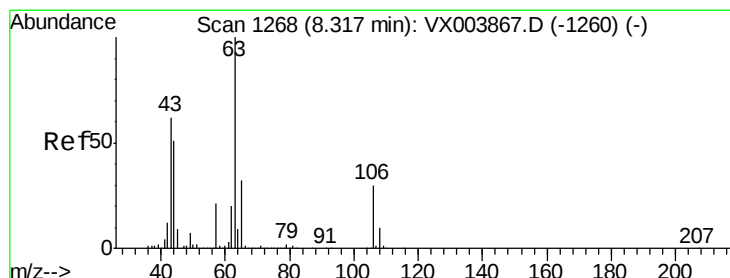
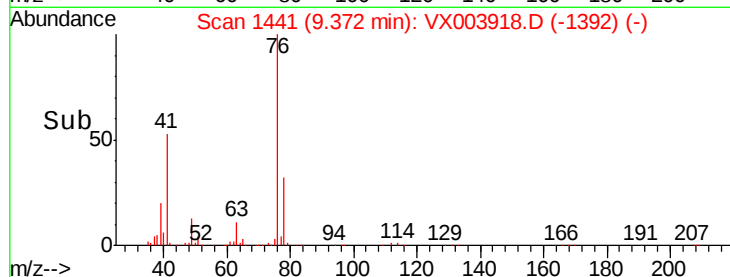
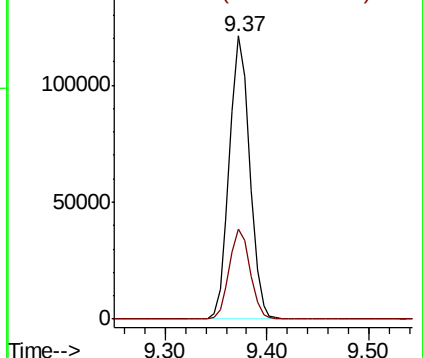
MMDadoda

8/9/2018 10:39:34 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 109.58 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VX003918.D

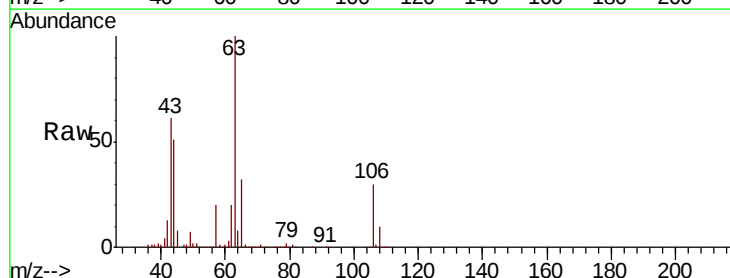
Acq: 08 Aug 2018 12:52

Tgt Ion: 63 Resp: 364899

Ion Ratio Lower Upper

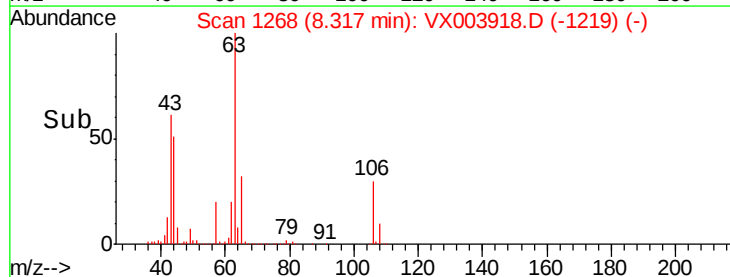
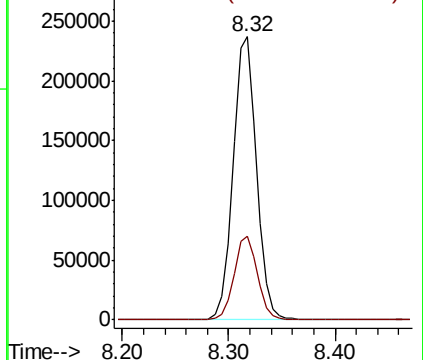
63 100

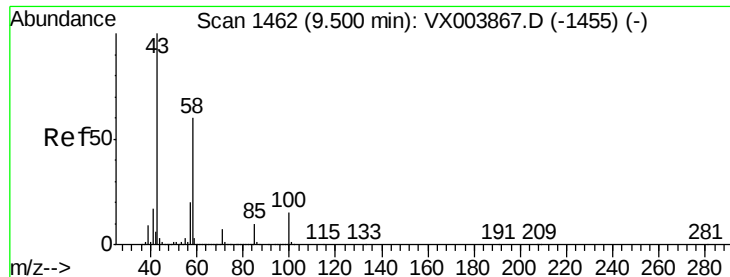
106 29.7 23.8 35.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





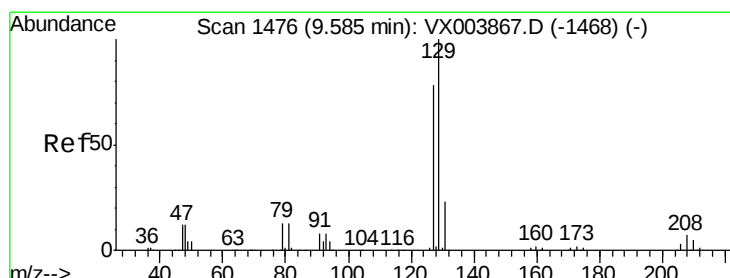
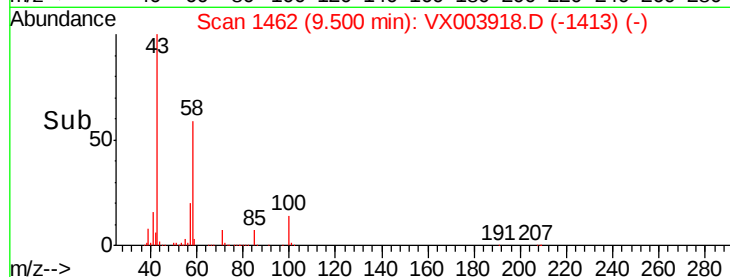
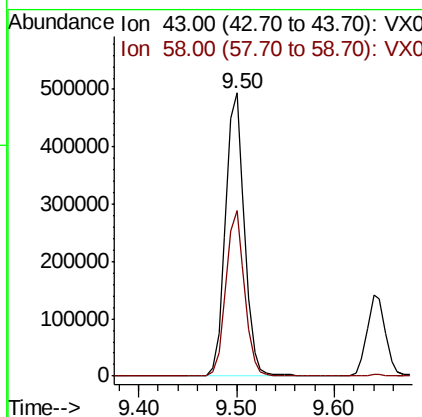
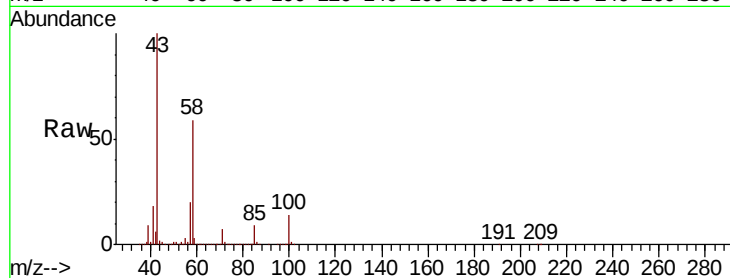
#59
2-Hexanone
Concen: 107.68 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX003918.D
Acq: 08 Aug 2018 12:52

Instrument :
MSVOA_X
ClientSampleId :
VX0808WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	57.4	29.0	87.0

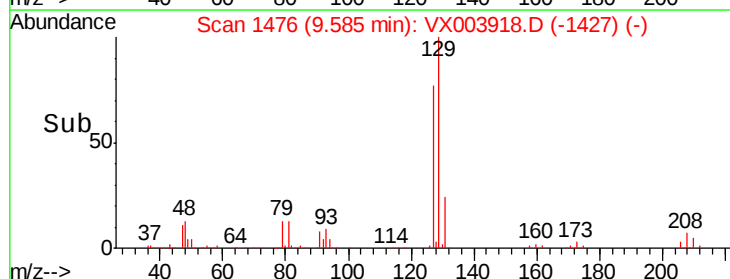
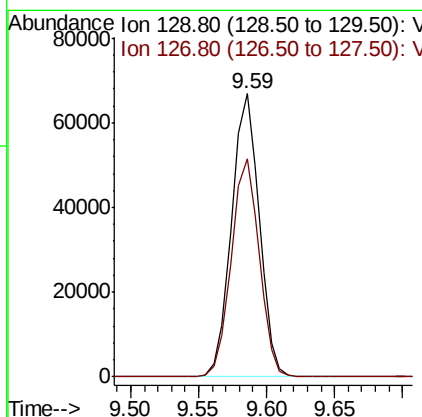
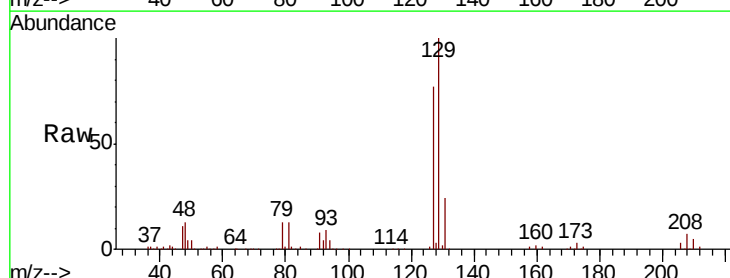
Manual Integrations
APPROVED

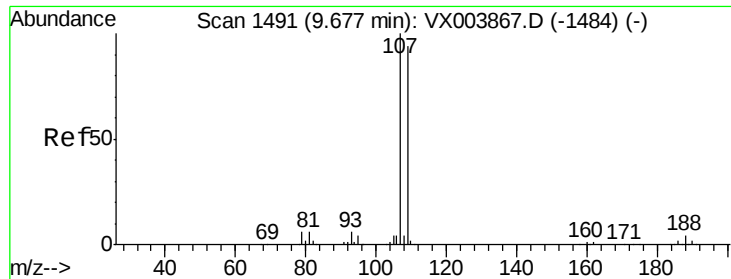
MMDadoda
8/9/2018 10:39:34 AM



#60
Dibromochloromethane
Concen: 21.84 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX003918.D
Acq: 08 Aug 2018 12:52

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.3	38.8	116.3





#61

1,2-Dibromoethane

Concen: 21.88 ug/l

RT: 9.67 min Scan# 1490

Delta R.T. -0.01 min

Lab File: VX003918.D

Acq: 08 Aug 2018 12:52

Instrument :

MSVOA_X

ClientSampleId :

VX0808WBS01

Tot Ion:107 Resp: 102255

Ion Ratio Lower Upper

107 100

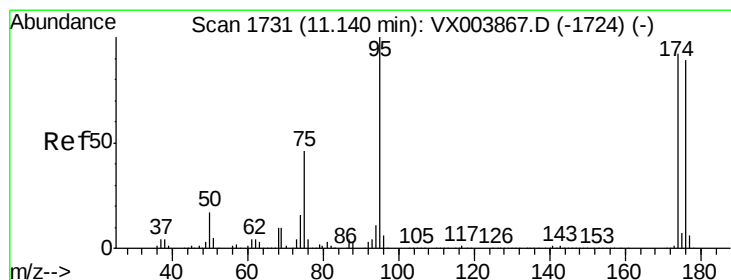
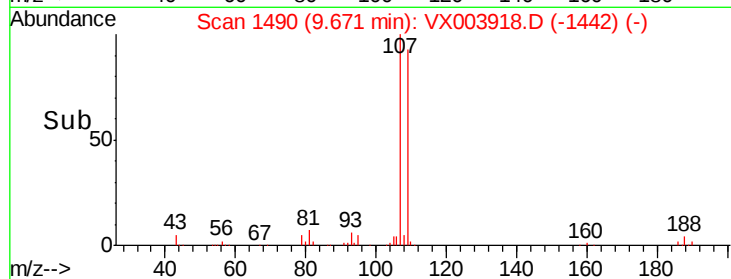
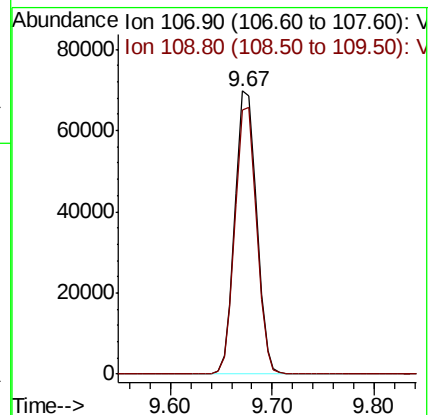
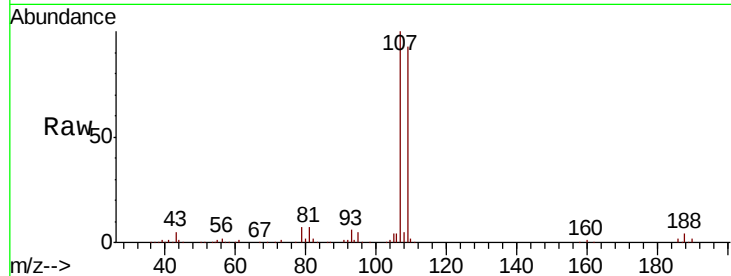
109 94.1 75.8 113.8

Manual Integrations

APPROVED

MMDadoda

8/9/2018 10:39:34 AM



#62

4-Bromofluorobenzene

Concen: 58.78 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003918.D

Acq: 08 Aug 2018 12:52

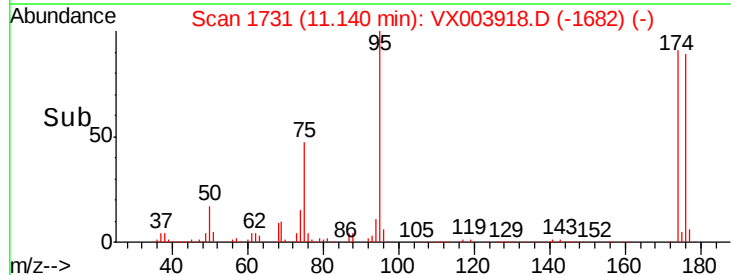
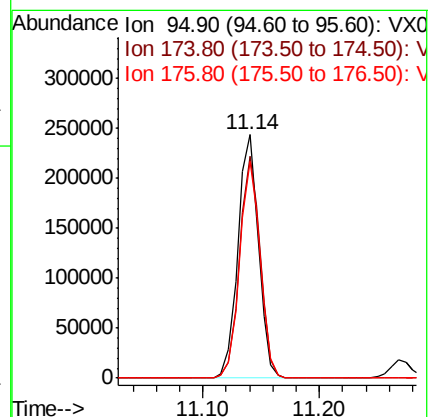
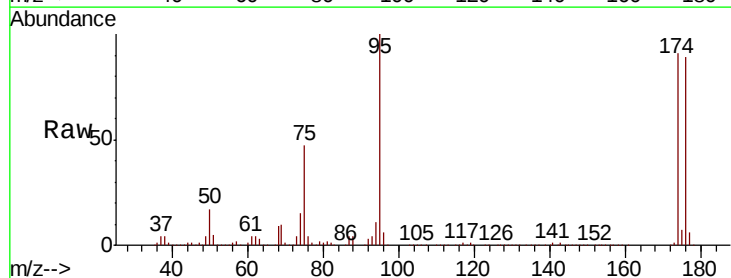
Tgt Ion: 95 Resp: 301173

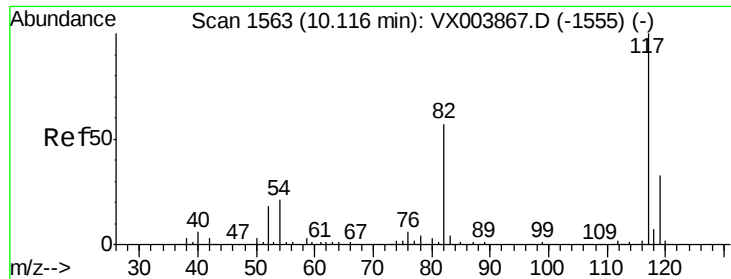
Ion Ratio Lower Upper

95 100

174 91.2 0.0 182.8

176 88.7 0.0 179.0





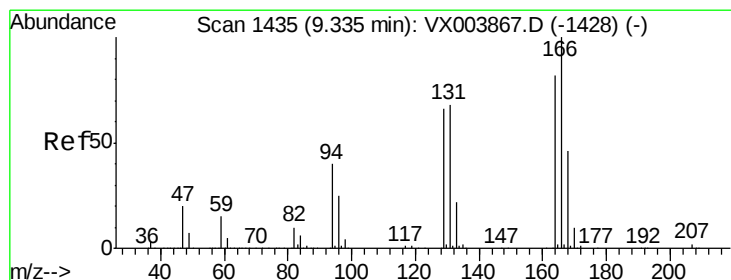
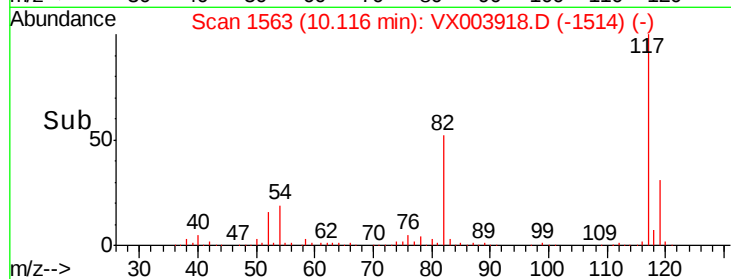
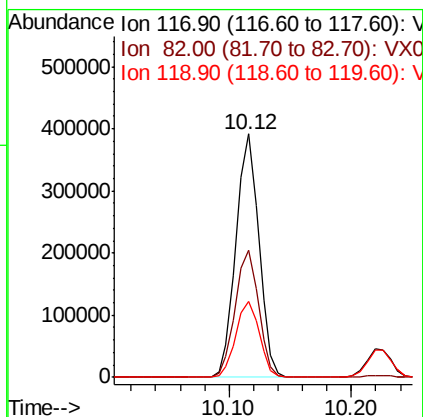
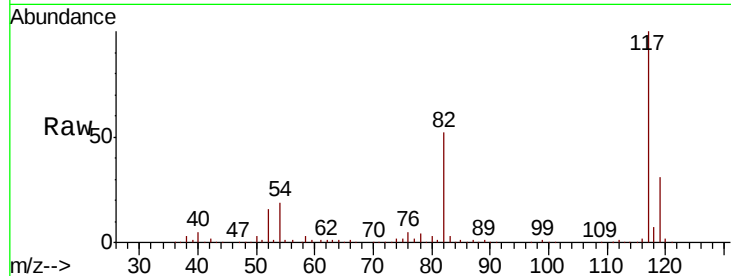
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003918.D
Acq: 08 Aug 2018 12:52

Instrument :
MSVOA_X
ClientSampled :
VX0808WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.1	45.4	68.0
119	31.4	26.6	40.0

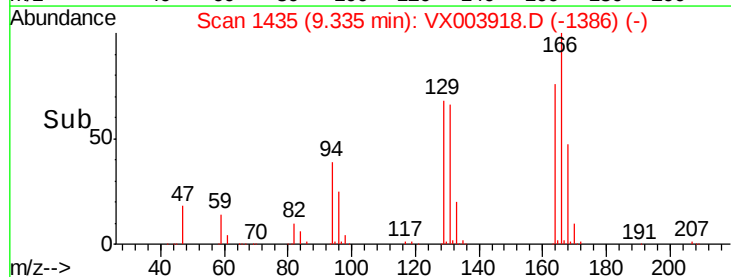
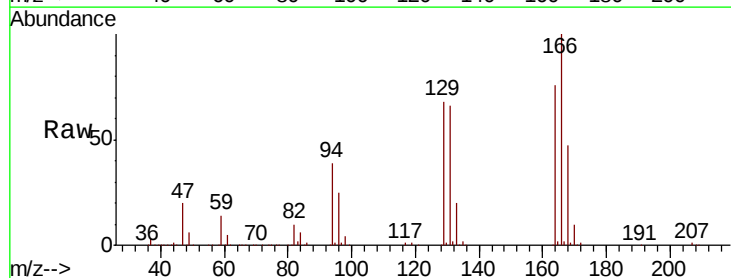
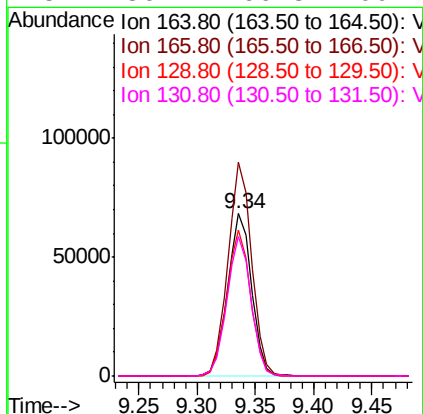
Manual Integrations
APPROVED

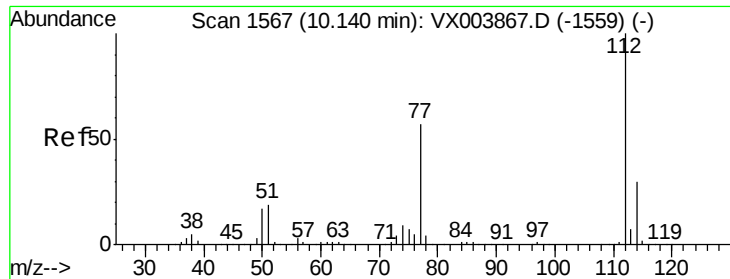
MMDadoda
8/9/2018 10:39:34 AM



#64
Tetrachloroethene
Concen: 19.56 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. 0.00 min
Lab File: VX003918.D
Acq: 08 Aug 2018 12:52

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.5	98.0	147.0
129	90.0	64.3	96.5
131	86.1	66.8	100.2





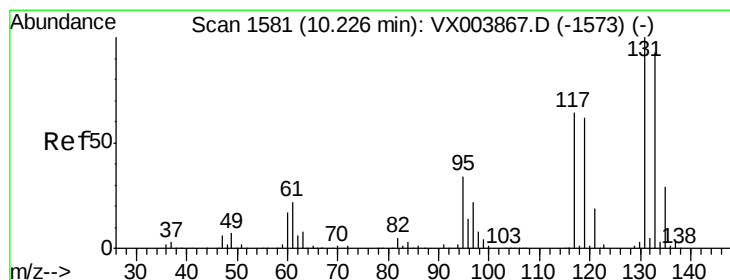
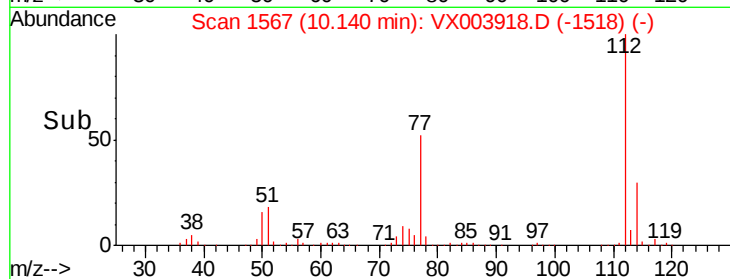
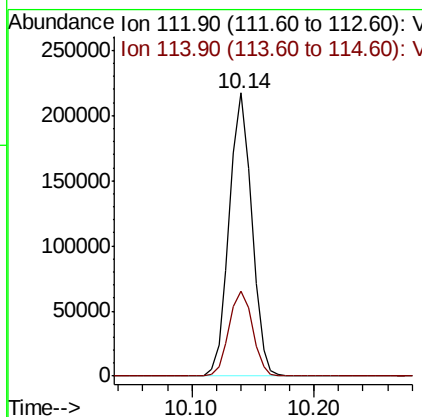
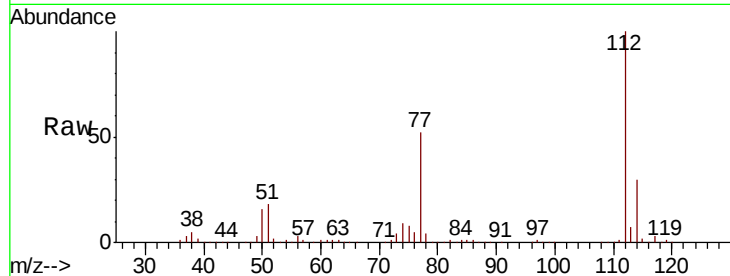
#65
Chlorobenzene
Concen: 20.97 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX003918.D
Acq: 08 Aug 2018 12:52

Instrument :
MSVOA_X
ClientSampled :
VX0808WBS01

Tot Ion:112 Resp: 277550
Ion Ratio Lower Upper
112 100
114 29.9 23.6 35.4

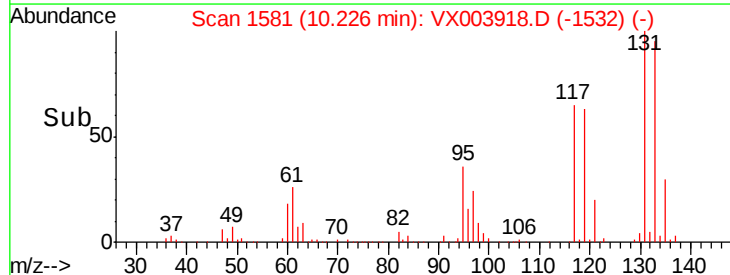
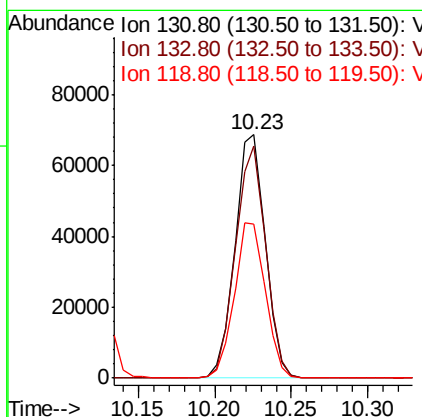
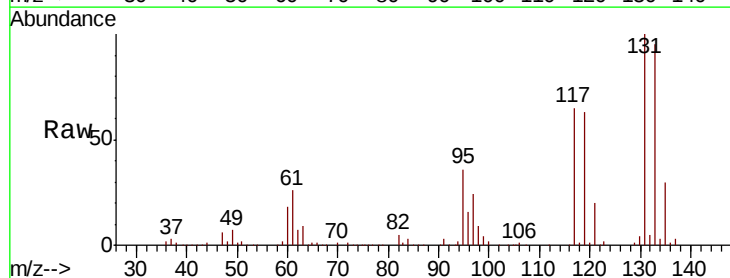
Manual Integrations
APPROVED

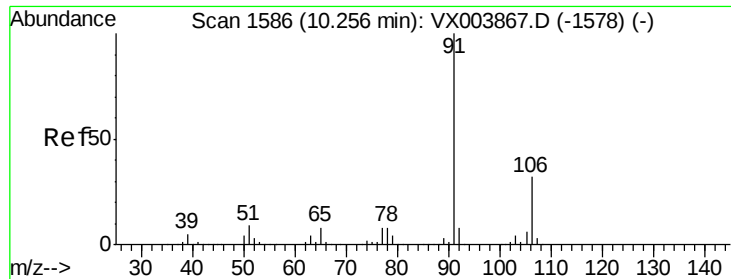
MMDadoda
8/9/2018 10:39:34 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.78 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX003918.D
Acq: 08 Aug 2018 12:52

Tgt Ion:131 Resp: 94531
Ion Ratio Lower Upper
131 100
133 95.0 47.3 141.8
119 65.2 31.6 94.8





#67

Ethyl Benzene

Concen: 21.31 ug/l

RT: 10.25 min Scan# 1585

Delta R.T. -0.01 min

Lab File: VX003918.D

Acq: 08 Aug 2018 12:52

Instrument :

MSVOA_X

ClientSampled :

VX0808WBS01

Tot Ion: 91 Resp: 461792

Ion Ratio Lower Upper

91 100

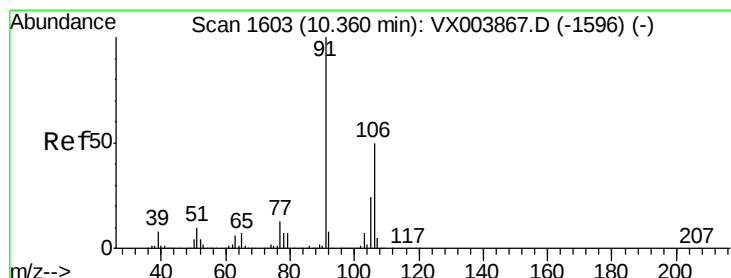
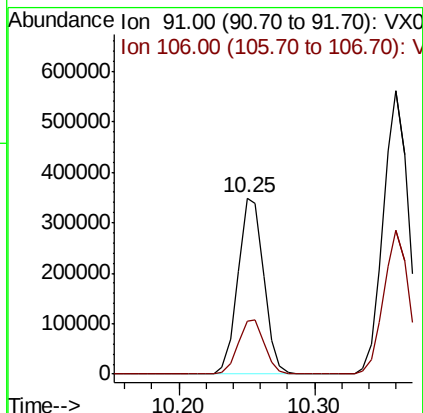
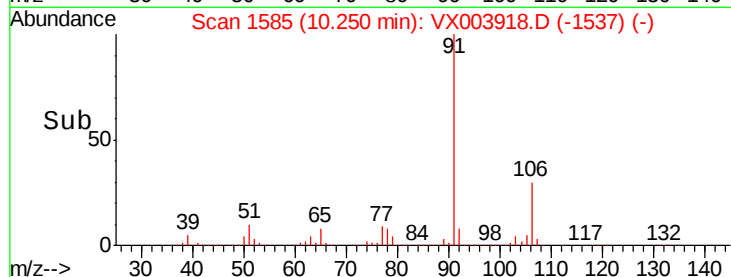
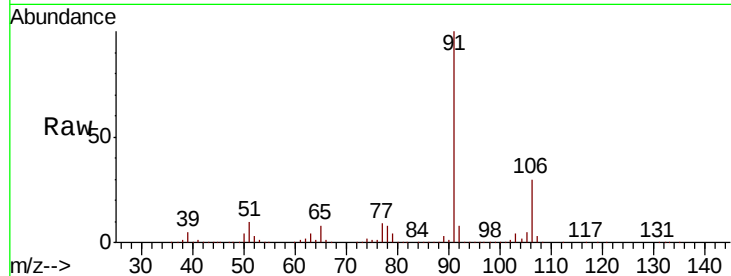
106 29.9 25.9 38.9

Manual Integrations

APPROVED

MMDadoda

8/9/2018 10:39:34 AM



#68

m/p-Xylenes

Concen: 43.37 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. 0.00 min

Lab File: VX003918.D

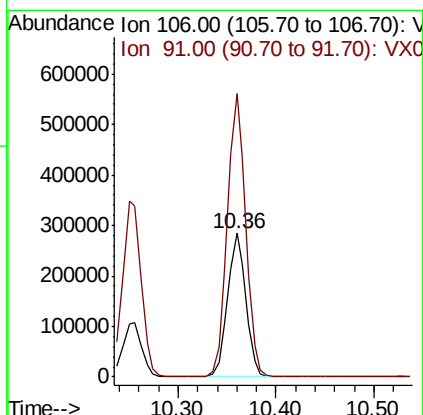
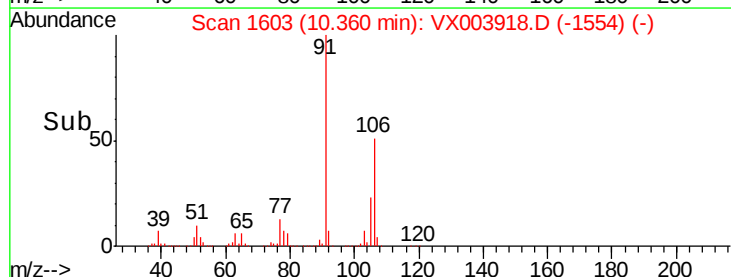
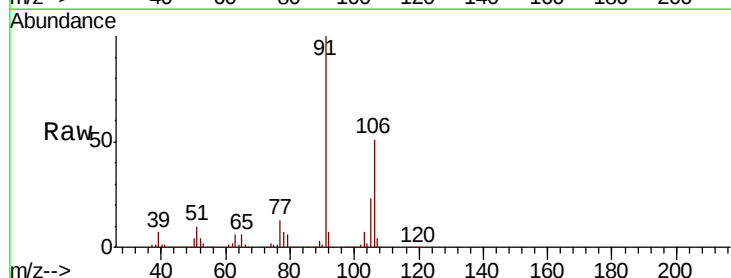
Acq: 08 Aug 2018 12:52

Tgt Ion: 106 Resp: 367161

Ion Ratio Lower Upper

106 100

91 198.9 162.3 243.5





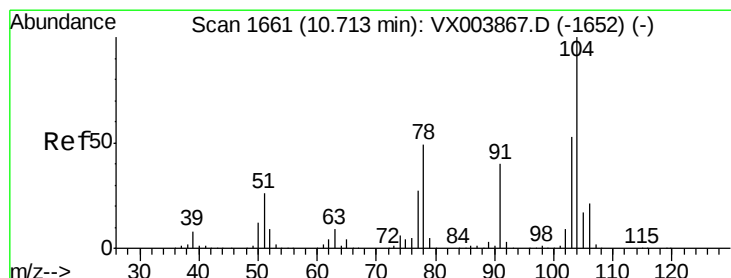
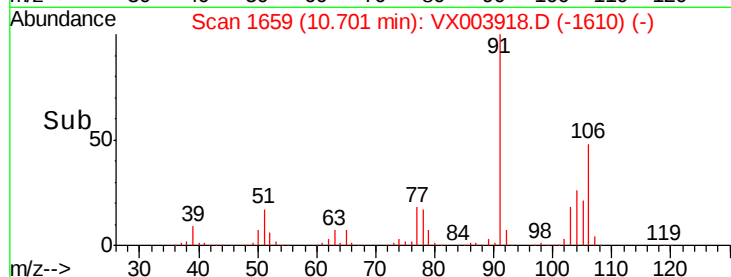
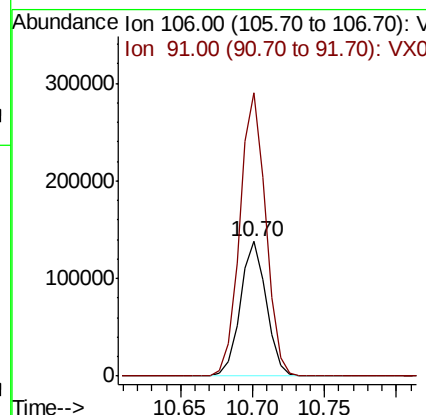
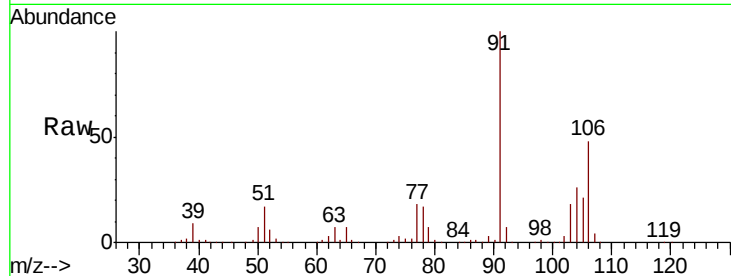
#69
o-Xylene
Concen: 21.65 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003918.D
Acq: 08 Aug 2018 12:52

Instrument :
MSVOA_X
ClientSampleId :
VX0808WBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	210.6	101.9	305.7

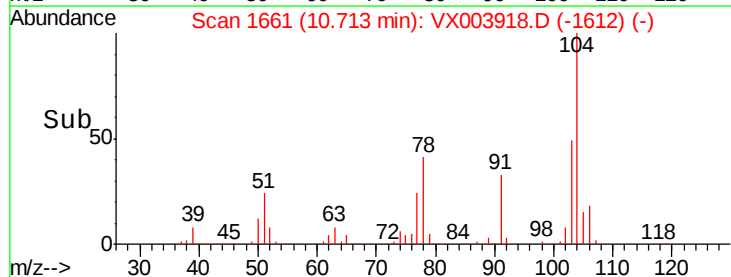
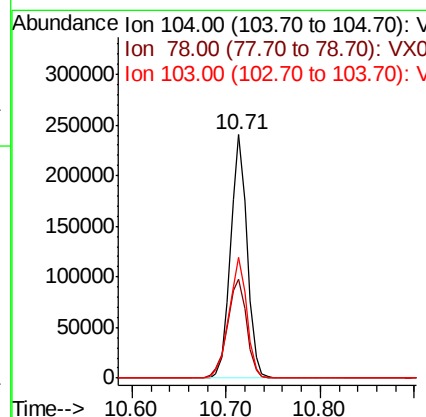
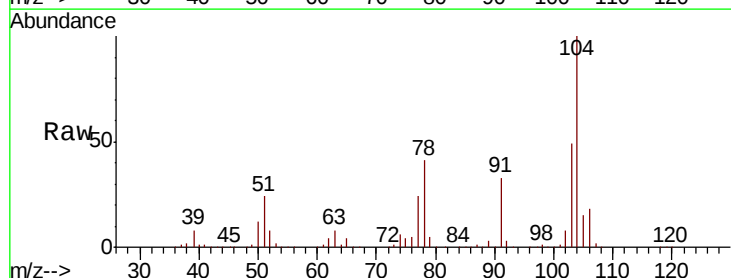
Manual Integrations
APPROVED

MMDadoda
8/9/2018 10:39:34 AM



#70
Styrene
Concen: 22.34 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003918.D
Acq: 08 Aug 2018 12:52

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.2	39.8	59.6
103	53.8	44.3	66.5





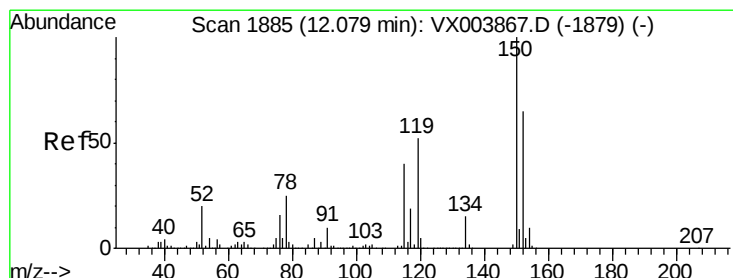
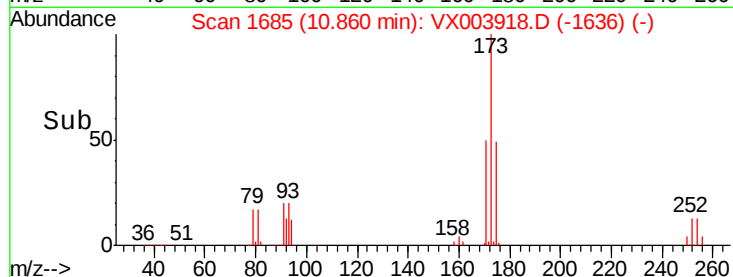
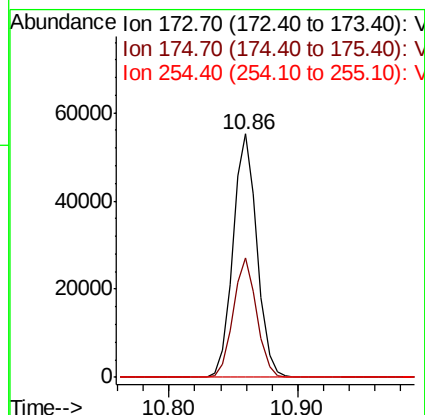
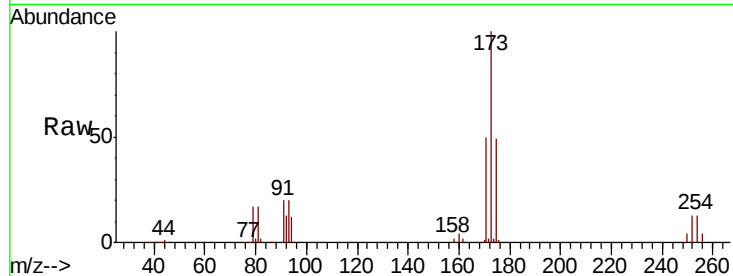
#71
Bromoform
Concen: 20.41 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX003918.D
Acq: 08 Aug 2018 12:52

Instrument :
MSVOA_X
ClientSampleId :
VX0808WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.9	74.7
254	0.0	0.2	0.2

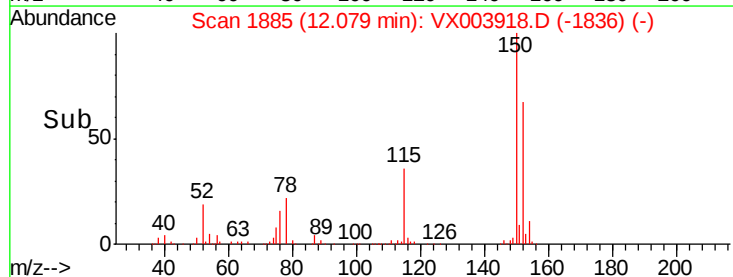
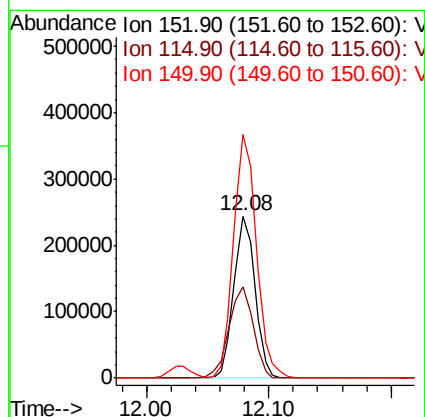
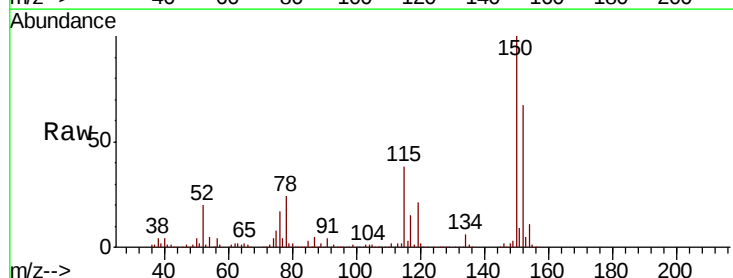
Manual Integrations
APPROVED

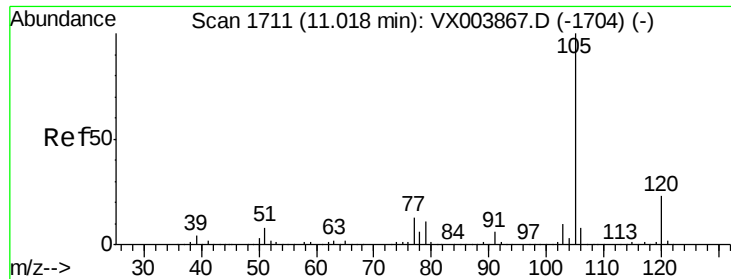
MMDadoda
8/9/2018 10:39:34 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX003918.D
Acq: 08 Aug 2018 12:52

Tgt Ion	Ratio	Lower	Upper
152	100		
115	65.0	39.1	117.3
150	162.3	0.0	349.2





#73

Isopropylbenzene

Concen: 22.00 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. 0.00 min

Lab File: VX003918.D

Acq: 08 Aug 2018 12:52

Instrument :

MSVOA_X

ClientSampled :

VX0808WBS01

Tot Ion:105 Resp: 471858

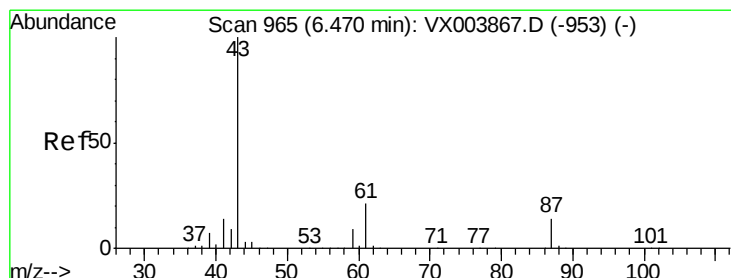
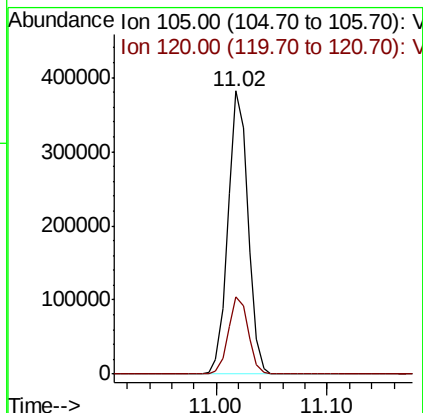
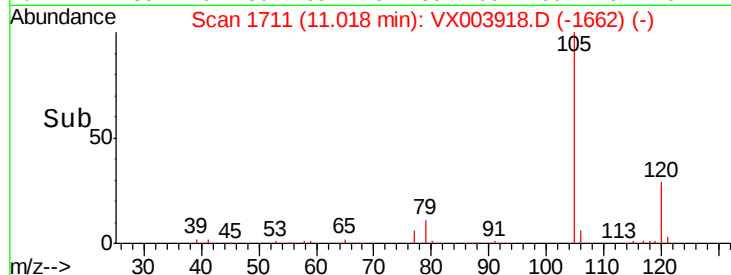
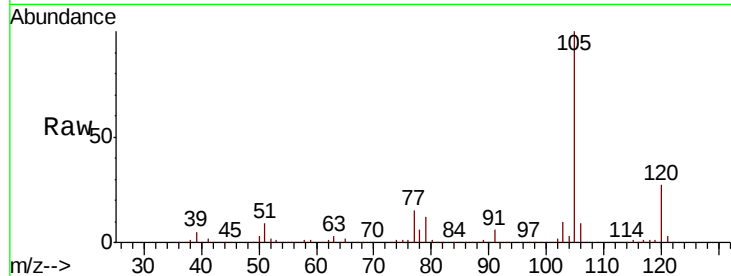
Ion Ratio Lower Upper

105 100

120 27.1 12.6 37.8

Manual Integrations
APPROVED

MMDadoda
8/9/2018 10:39:34 AM



#74

N-ethyl acetate

Concen: 18.25 ug/l

RT: 6.46 min Scan# 964

Delta R.T. -0.01 min

Lab File: VX003918.D

Acq: 08 Aug 2018 12:52

Tgt Ion: 43 Resp: 203538

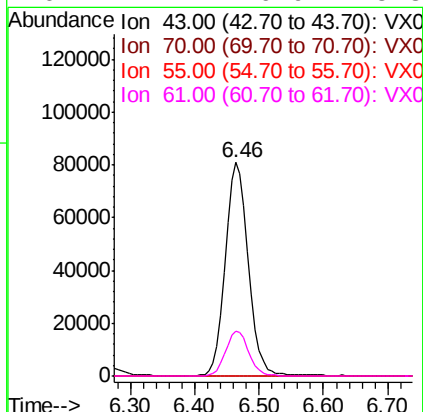
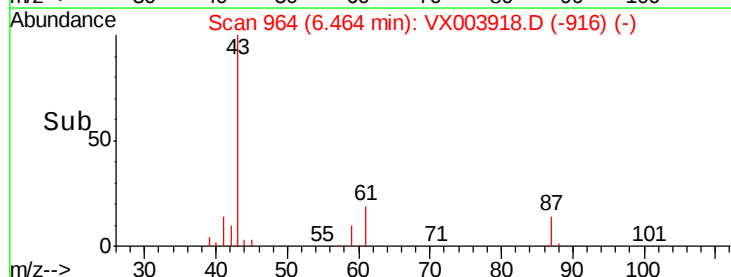
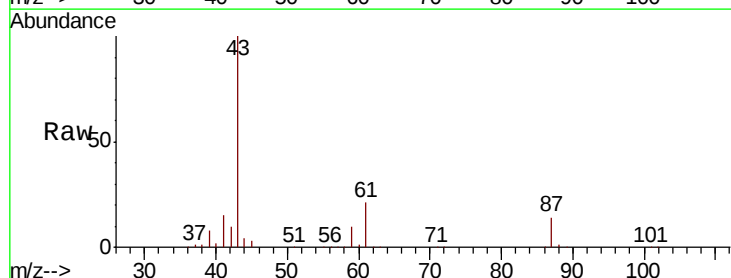
Ion Ratio Lower Upper

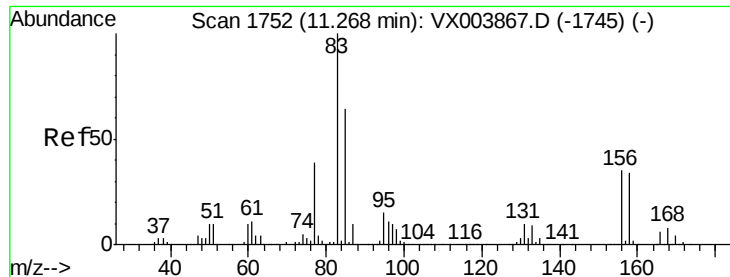
43 100

70 0.0 0.0 0.0

55 0.0 0.1 0.1#

61 21.2 16.9 25.3





#75

1,1,2,2-Tetrachloroethane

Concen: 20.66 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. 0.00 min

Lab File: VX003918.D

Acq: 08 Aug 2018 12:52

Instrument :

MSVOA_X

ClientSampleId :

VX0808WBS01

Tot Ion: 83 Resp: 151858

Ion Ratio Lower Upper

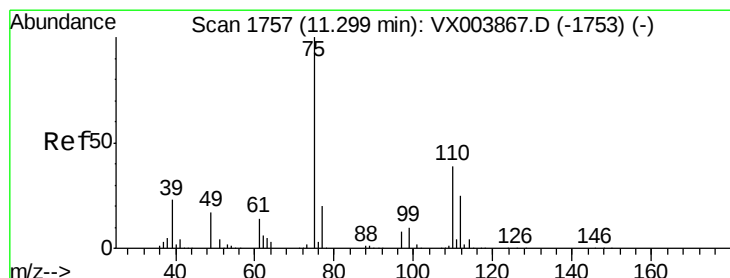
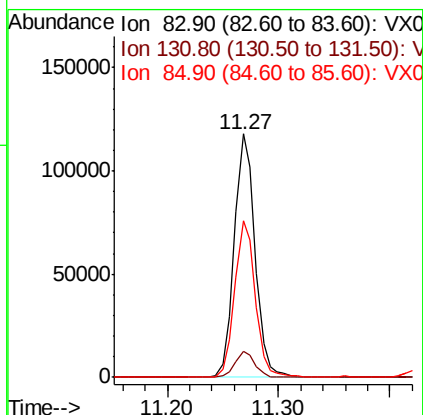
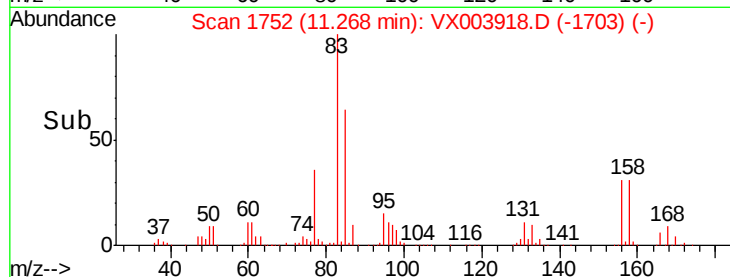
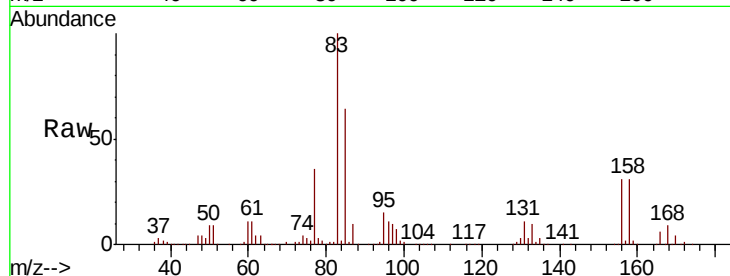
83 100

131 10.6 5.2 15.6

85 64.2 32.2 96.6

Manual Integrations
APPROVED

MMDadoda
8/9/2018 10:39:34 AM



#76

1,2,3-Trichloropropane

Concen: 20.44 ug/l m

RT: 11.30 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VX003918.D

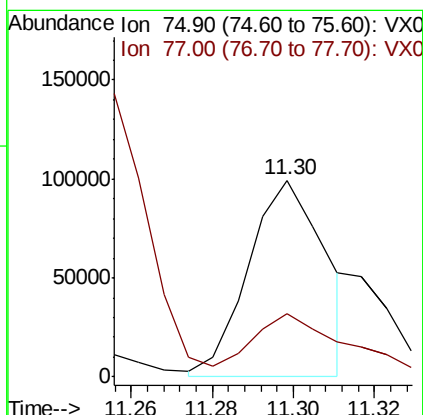
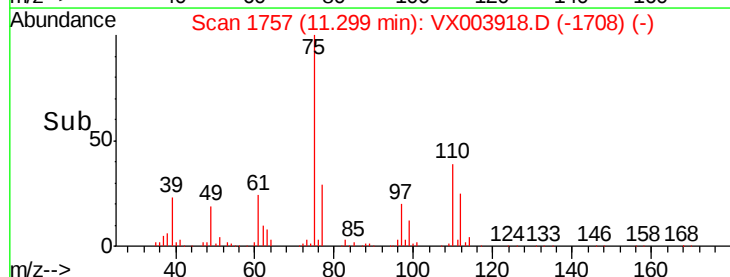
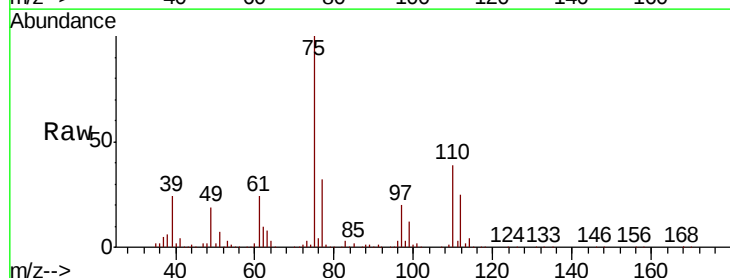
Acq: 08 Aug 2018 12:52

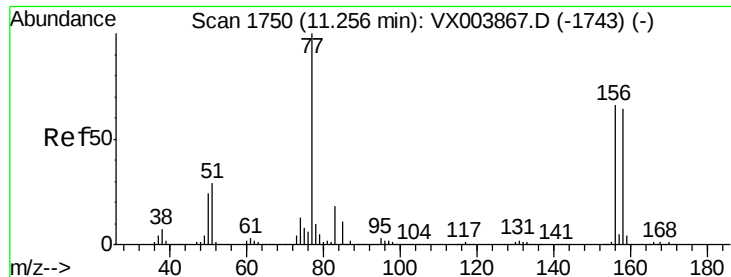
Tgt Ion: 75 Resp: 130934

Ion Ratio Lower Upper

75 100

77 39.9 20.8 62.5





#77

Bromobenzene

Concen: 21.40 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX003918.D

Acq: 08 Aug 2018 12:52

Instrument :

MSVOA_X

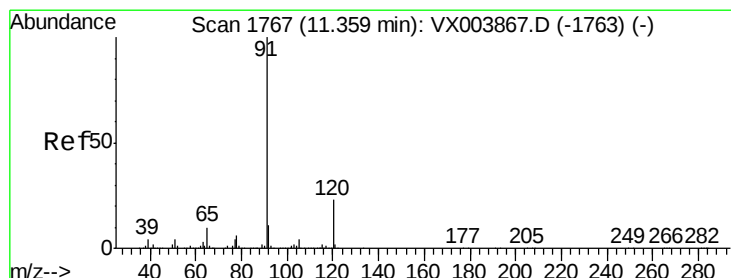
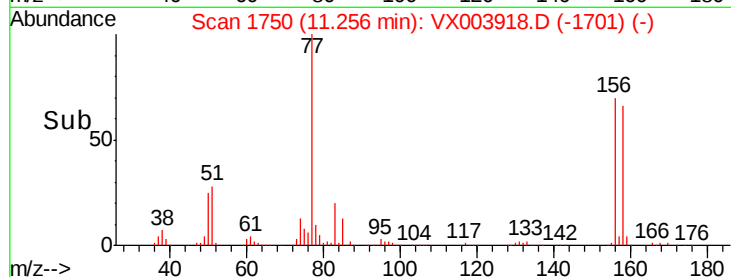
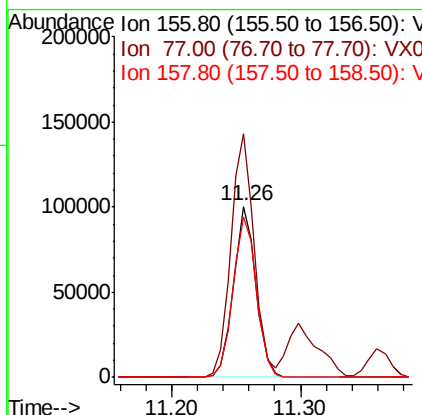
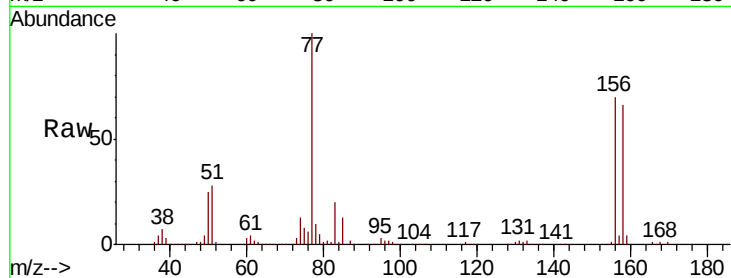
ClientSampleId :

VX0808WBS01

Tot Ion:	156	Resp:	122449
Ion Ratio	Lower	Upper	
156	100		
77	147.4	74.1	222.2
158	97.6	48.6	145.9

Manual Integrations
APPROVED

MMDadoda
8/9/2018 10:39:34 AM



#78

n-propylbenzene

Concen: 21.10 ug/l

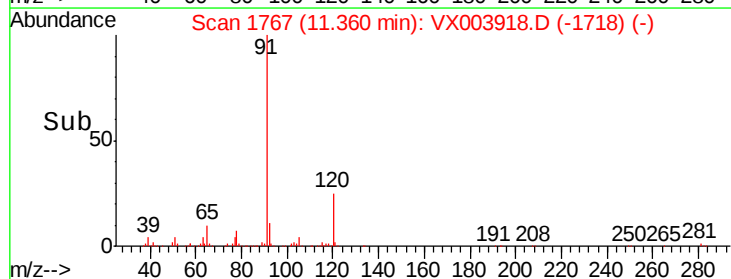
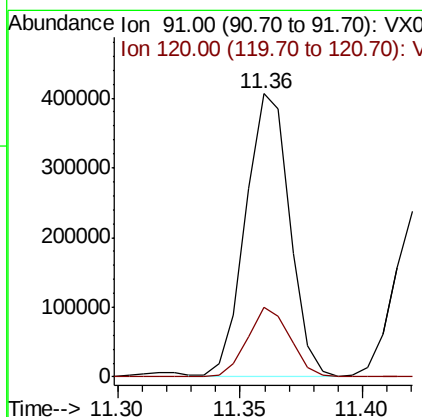
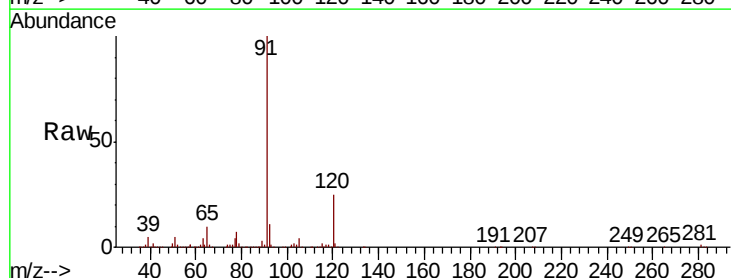
RT: 11.36 min Scan# 1767

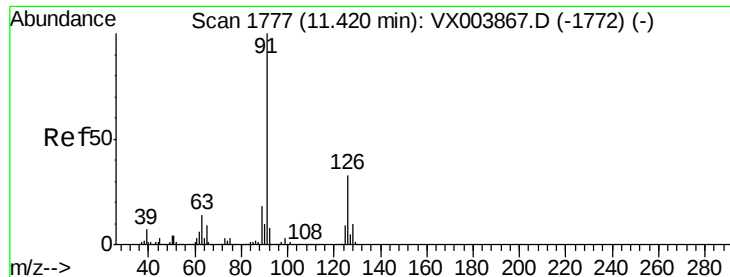
Delta R.T. 0.00 min

Lab File: VX003918.D

Acq: 08 Aug 2018 12:52

Tgt Ion:	91	Resp:	508179
Ion Ratio	Lower	Upper	
91	100		
120	24.0	11.9	35.5





#79

2-Chlorotoluene

Concen: 20.70 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. 0.00 min

Lab File: VX003918.D

Acq: 08 Aug 2018 12:52

Instrument :

MSVOA_X

ClientSampled :

VX0808WBS01

Tot Ion: 91 Resp: 304049

Ion Ratio Lower Upper

91 100

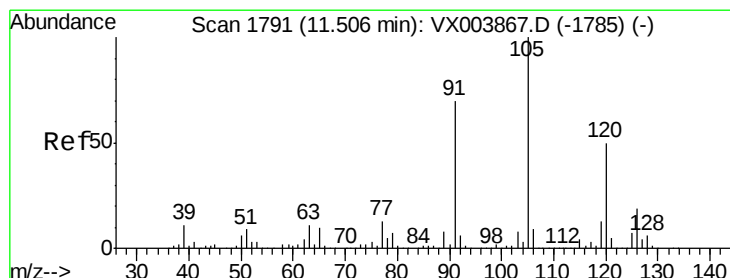
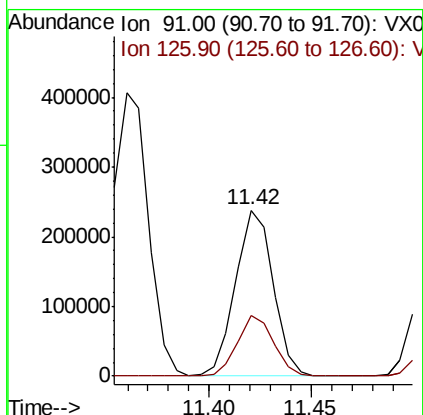
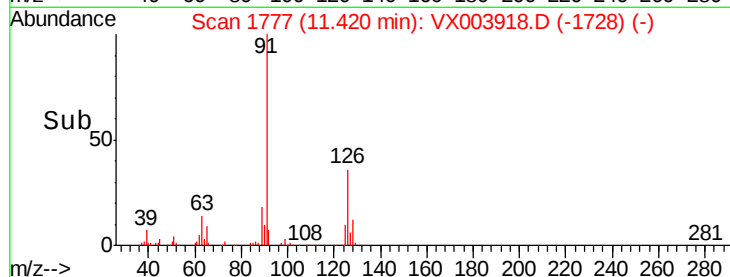
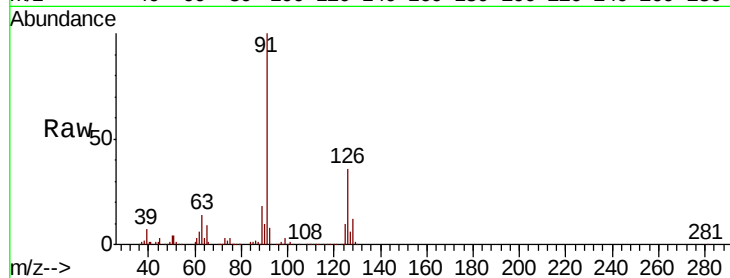
126 35.3 17.4 52.3

Manual Integrations

APPROVED

MMDadoda

8/9/2018 10:39:34 AM



#80

1,3,5-Trimethylbenzene

Concen: 21.48 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VX003918.D

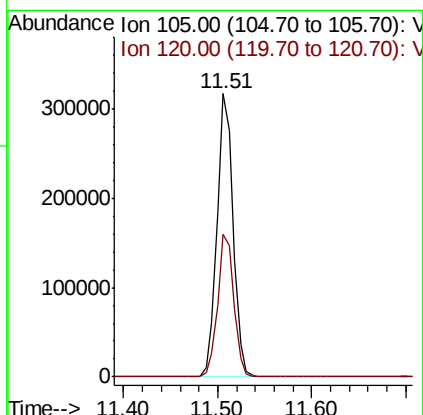
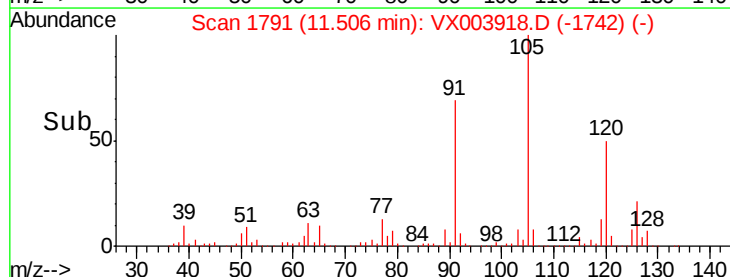
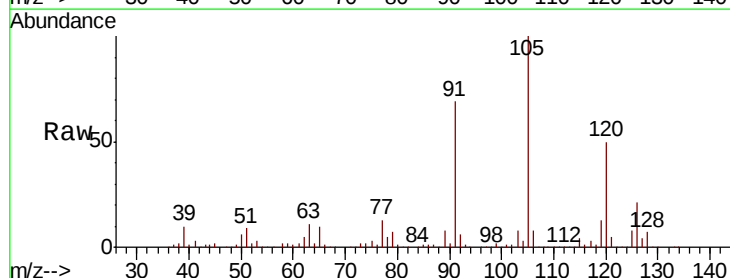
Acq: 08 Aug 2018 12:52

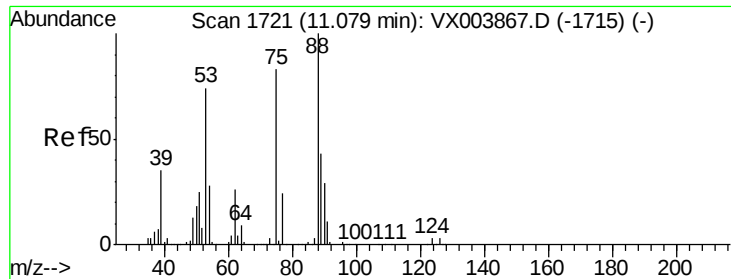
Tgt Ion: 105 Resp: 375642

Ion Ratio Lower Upper

105 100

120 50.5 25.4 76.2





#81

trans-1,4-Dichloro-2-butene

Concen: 19.72 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX003918.D

Acq: 08 Aug 2018 12:52

Instrument :

MSVOA_X

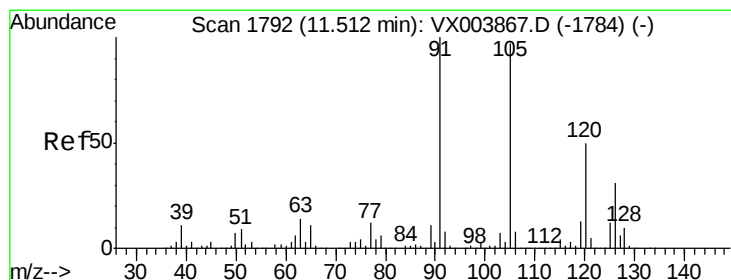
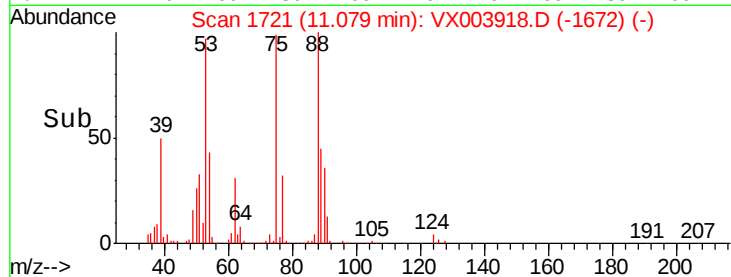
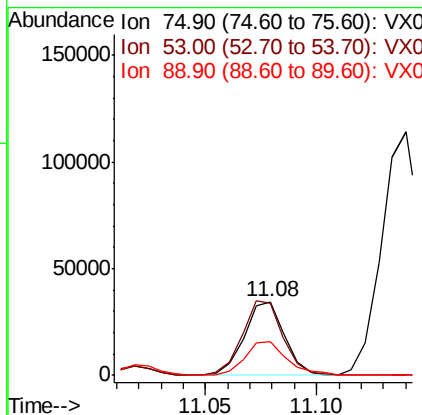
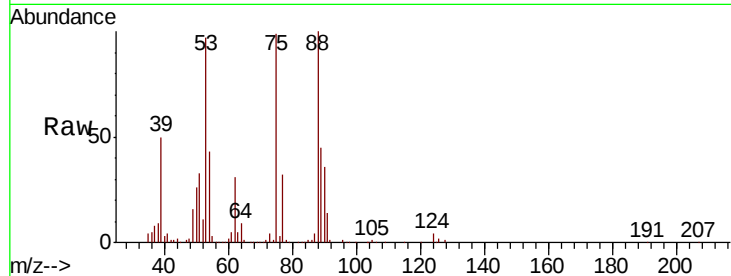
ClientSampled :

VX0808WBS01

Tot Ion:	75	Resp:	43123
Ion	Ratio	Lower	Upper
75	100		
53	102.9	80.3	120.5
89	49.1	37.8	56.8

Manual Integrations
APPROVED

MMDadoda
8/9/2018 10:39:34 AM



#82

4-Chlorotoluene

Concen: 20.37 ug/l

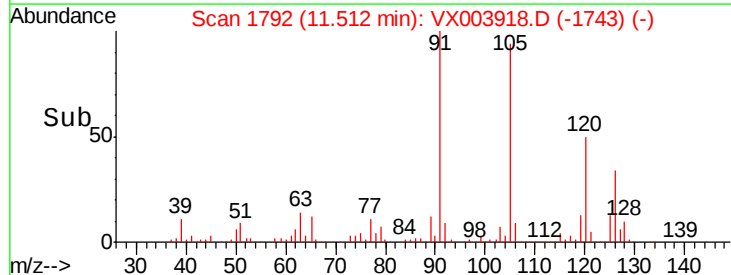
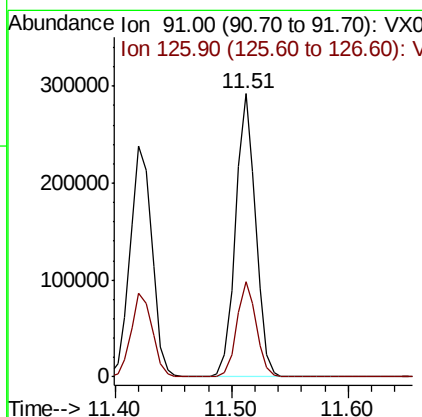
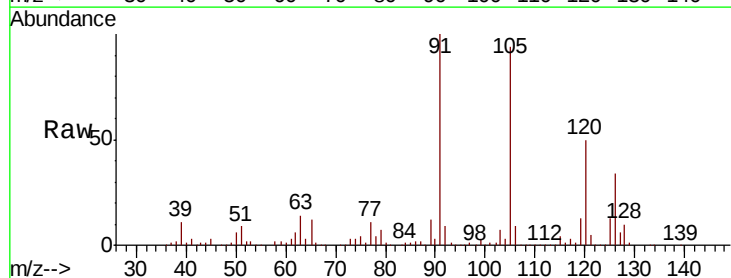
RT: 11.51 min Scan# 1792

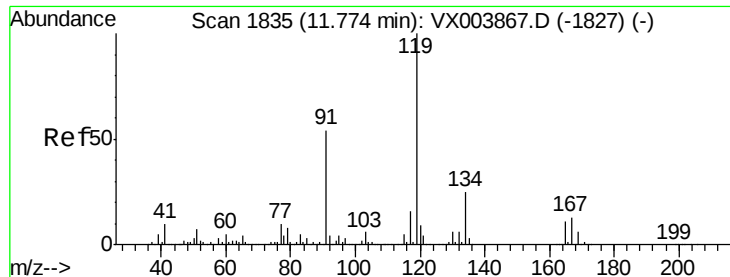
Delta R.T. 0.00 min

Lab File: VX003918.D

Acq: 08 Aug 2018 12:52

Tgt Ion:	91	Resp:	350563
Ion	Ratio	Lower	Upper
91	100		
126	32.9	15.6	46.7





#83

tert-Butylbenzene

Concen: 21.25 ug/l

RT: 11.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX003918.D

Acq: 08 Aug 2018 12:52

Instrument :

MSVOA_X

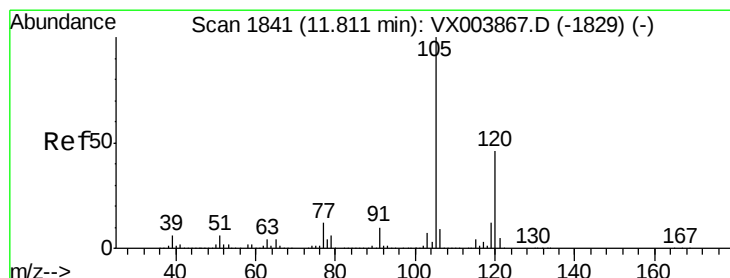
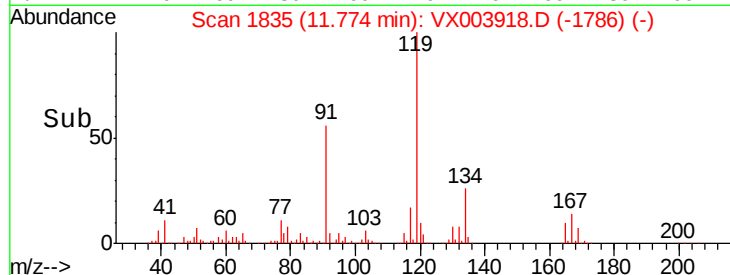
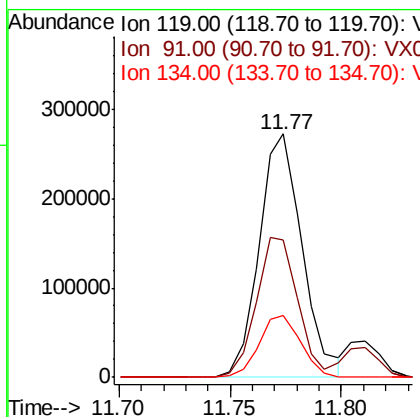
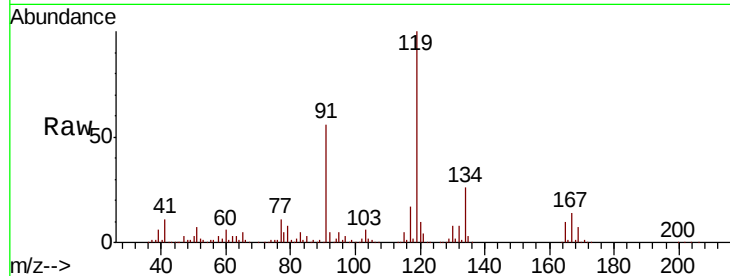
ClientSampled :

VX0808WBS01

Tot Ion:	119	Resp:	365590
Ion Ratio	Lower	Upper	
119	100		
91	55.2	26.9	80.7
134	24.6	12.0	36.0

Manual Integrations
APPROVED

MMDadoda
8/9/2018 10:39:34 AM



#84

1,2,4-Trimethylbenzene

Concen: 22.52 ug/l

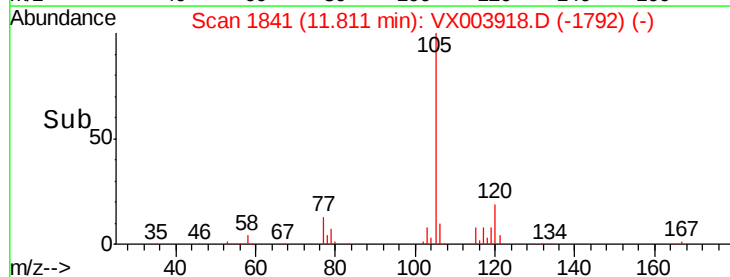
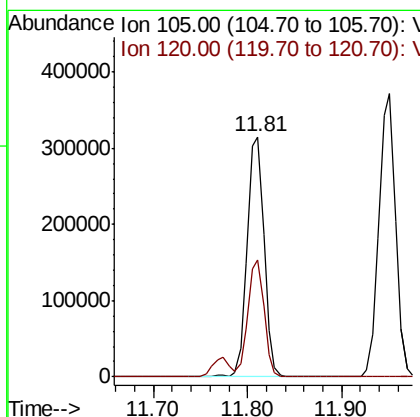
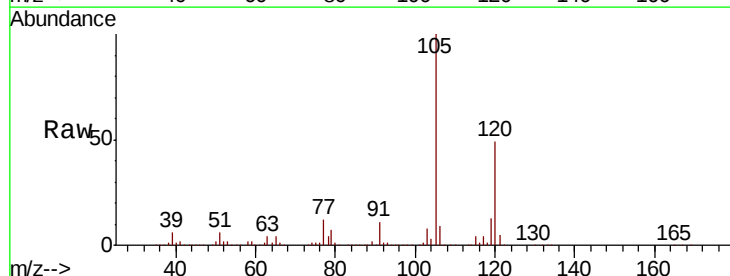
RT: 11.81 min Scan# 1841

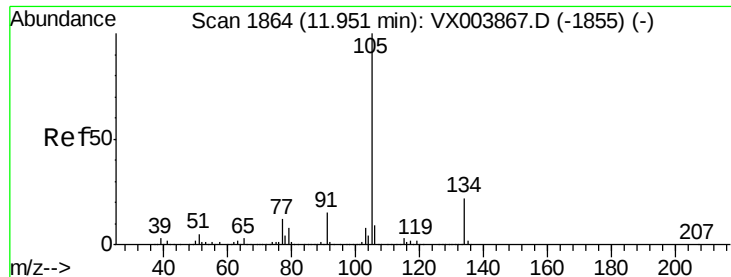
Delta R.T. 0.00 min

Lab File: VX003918.D

Acq: 08 Aug 2018 12:52

Tgt Ion:	105	Resp:	396117
Ion Ratio	Lower	Upper	
105	100		
120	46.8	23.1	69.2





#85

sec-Butylbenzene

Concen: 22.39 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX003918.D

Acq: 08 Aug 2018 12:52

Instrument :

MSVOA_X

ClientSampled :

VX0808WBS01

Tot Ion:105 Resp: 454679

Ion Ratio Lower Upper

105 100

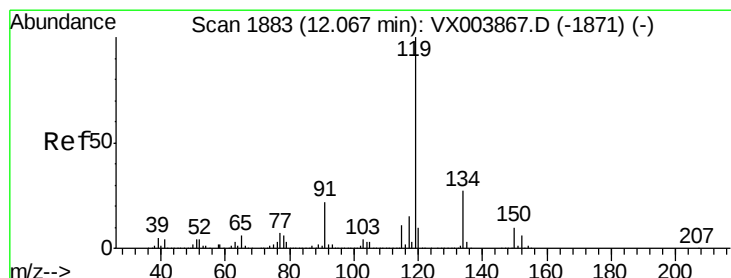
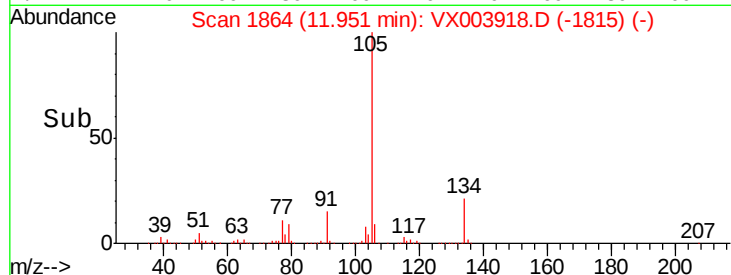
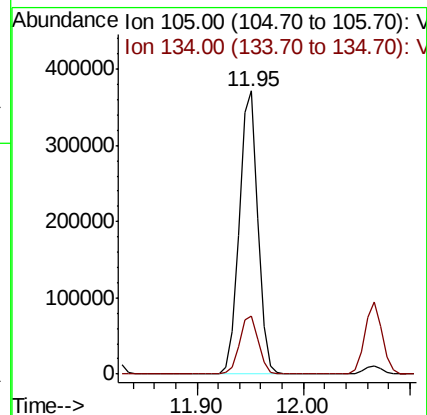
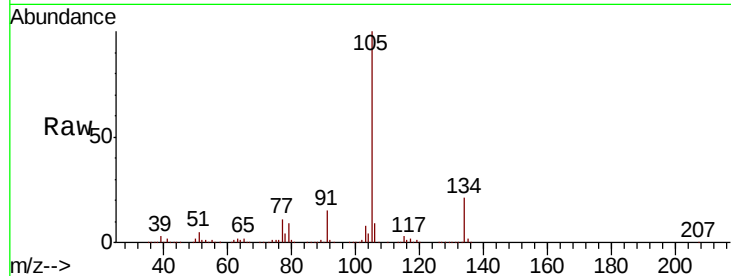
134 21.1 10.3 30.9

Manual Integrations

APPROVED

MMDadoda

8/9/2018 10:39:34 AM



#86

p-Isopropyltoluene

Concen: 22.48 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX003918.D

Acq: 08 Aug 2018 12:52

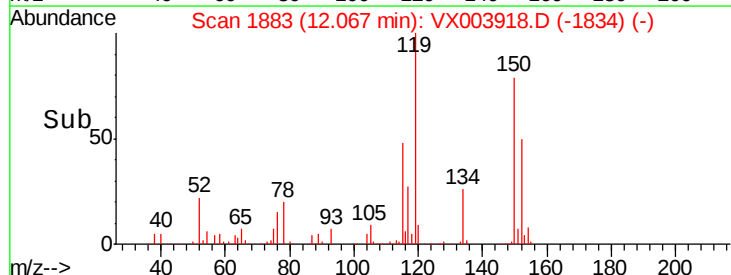
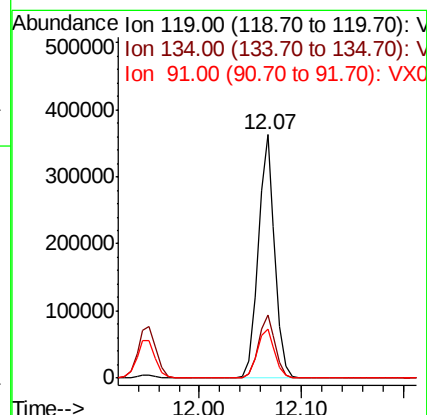
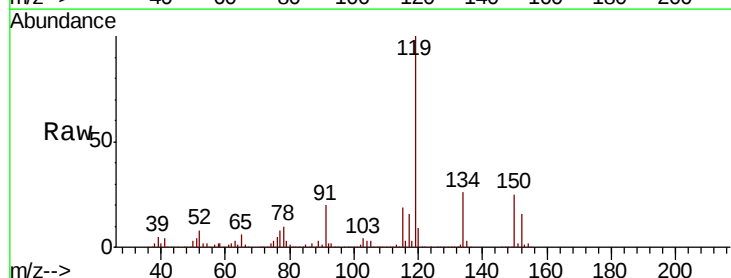
Tgt Ion:119 Resp: 409615

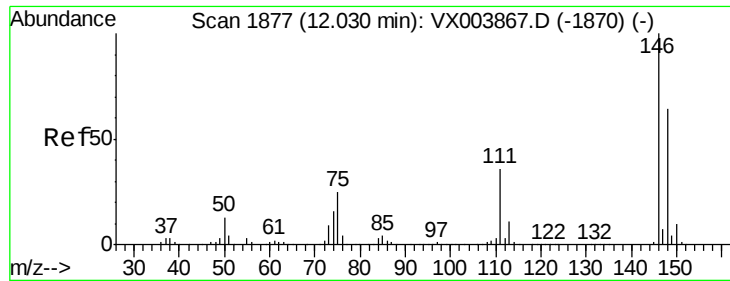
Ion Ratio Lower Upper

119 100

134 26.5 13.3 39.8

91 21.3 10.9 32.7





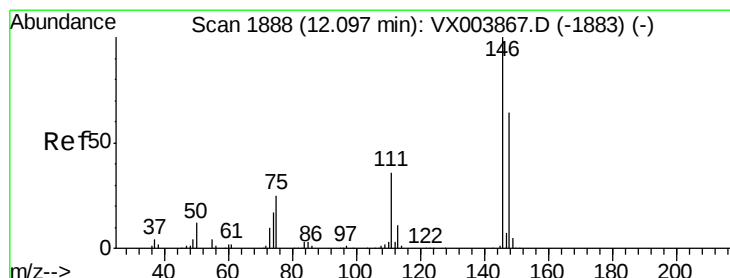
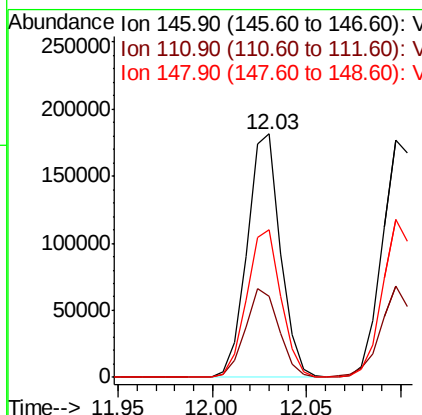
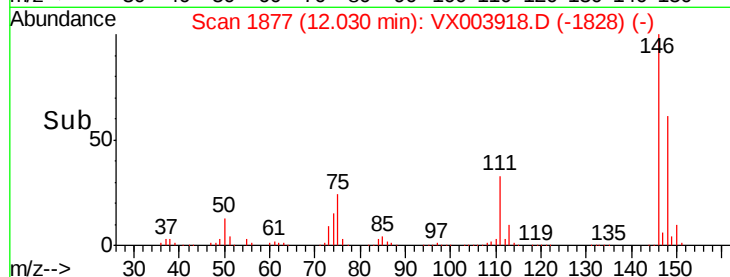
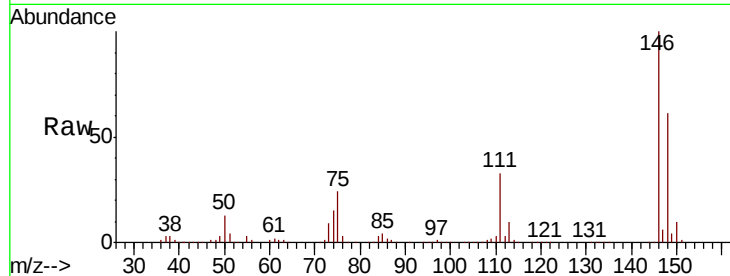
#87
 1,3-Dichlorobenzene
 Concen: 21.06 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX003918.D
 Acq: 08 Aug 2018 12:52

Instrument :
 MSVOA_X
 ClientSampled :
 VX0808WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	222806		
111	37.0	18.8	56.4	
148	62.4	31.9	95.5	

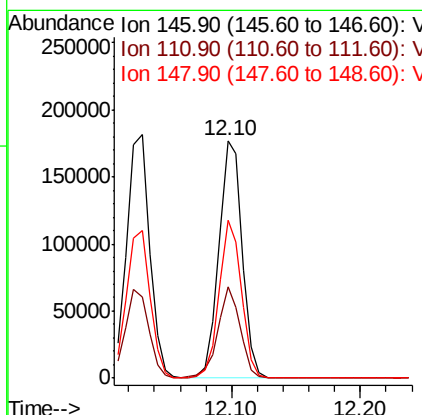
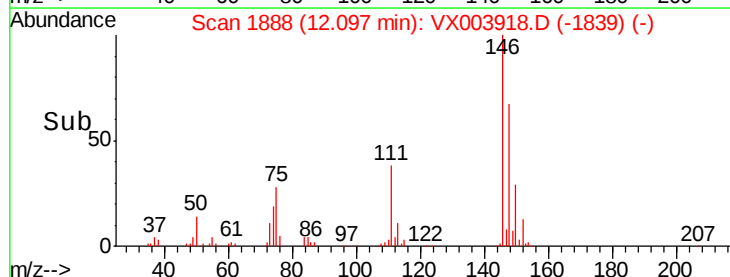
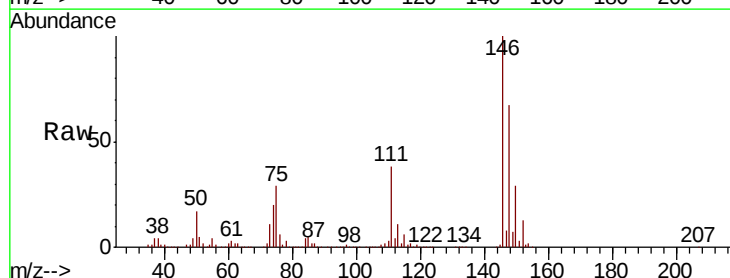
Manual Integrations
 APPROVED

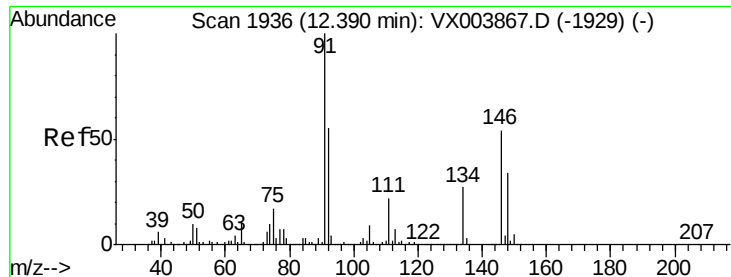
MMDadoda
 8/9/2018 10:39:34 AM



#88
 1,4-Dichlorobenzene
 Concen: 22.10 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. 0.00 min
 Lab File: VX003918.D
 Acq: 08 Aug 2018 12:52

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	225684		
111	36.9	18.4	55.0	
148	64.1	32.3	96.8	





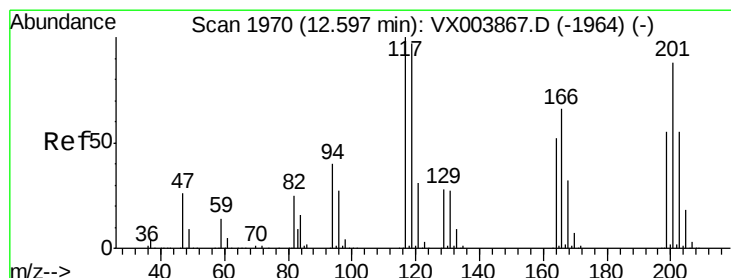
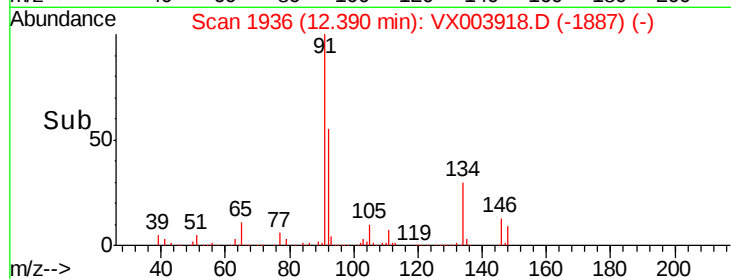
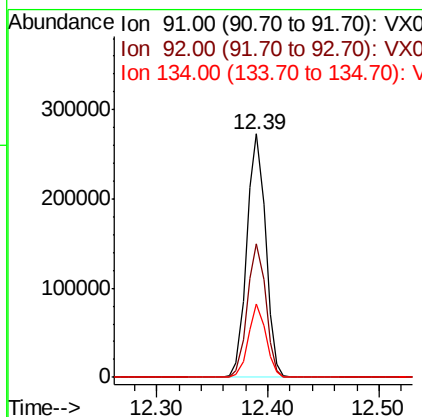
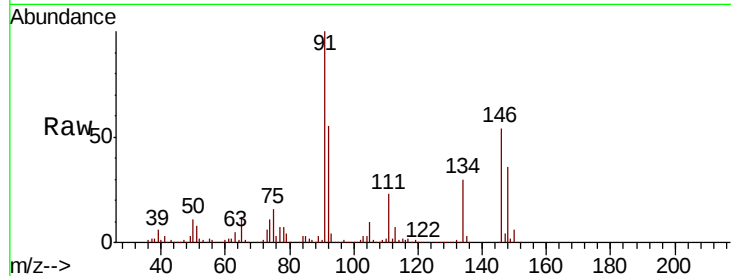
#89
n-Butylbenzene
Concen: 20.13 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX003918.D
Acq: 08 Aug 2018 12:52

Instrument :
MSVOA_X
ClientSampled :
VX0808WBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	53.8	27.1	81.3	
134	28.3	13.6	40.7	

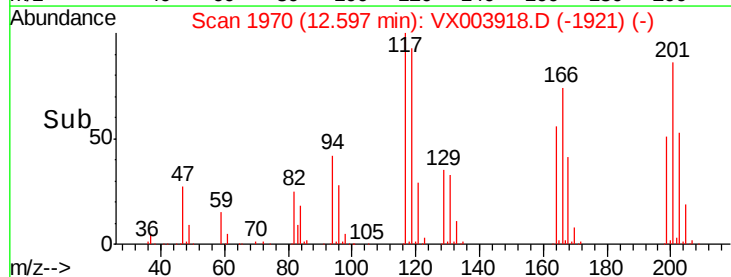
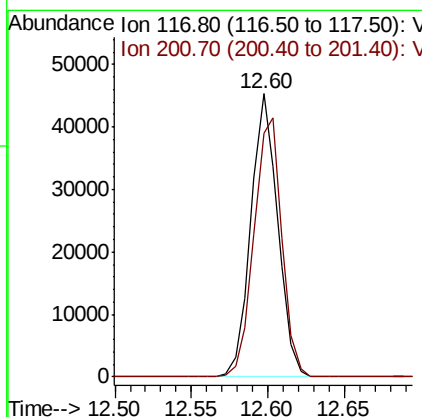
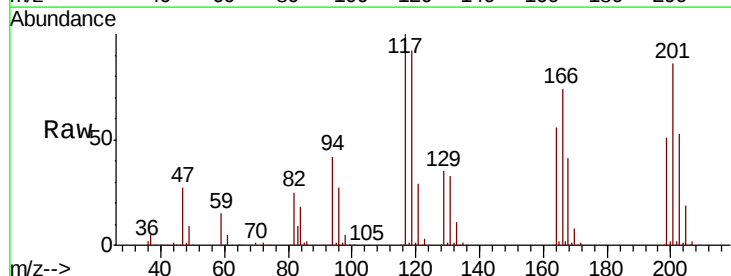
Manual Integrations
APPROVED

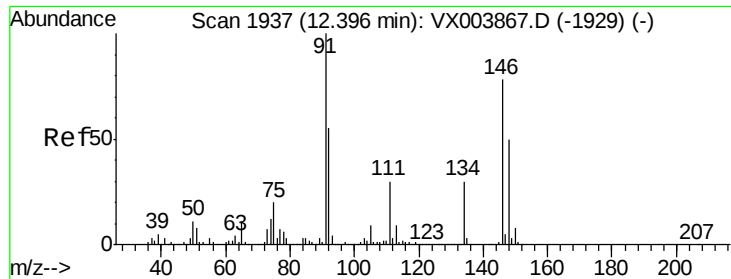
MMDadoda
8/9/2018 10:39:34 AM



#90
Hexachloroethane
Concen: 18.69 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VX003918.D
Acq: 08 Aug 2018 12:52

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	95.2	46.1	138.2	





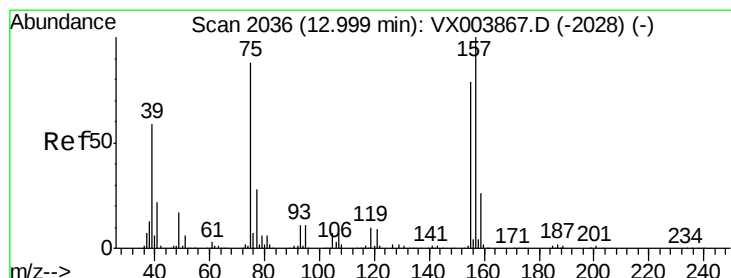
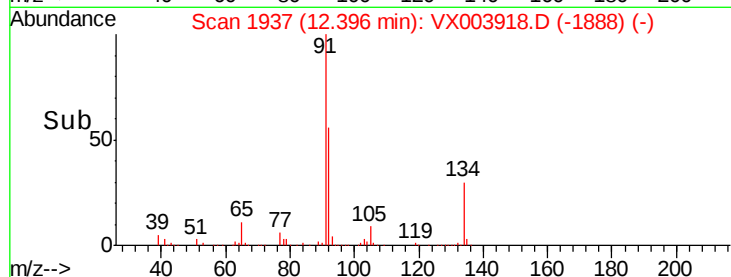
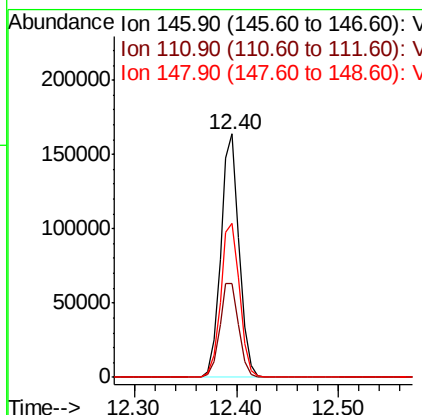
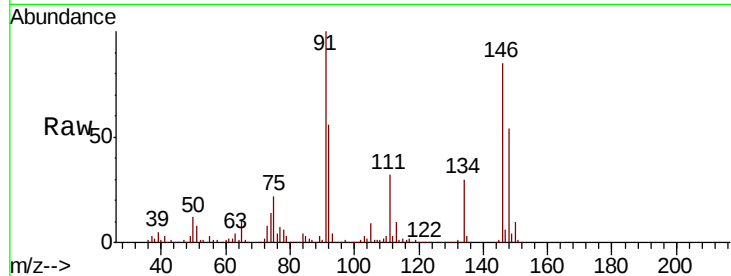
#91
 1,2-Dichlorobenzene
 Concen: 19.49 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX003918.D
 Acq: 08 Aug 2018 12:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0808WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	19.7	59.0
148	65.4	31.9	95.5

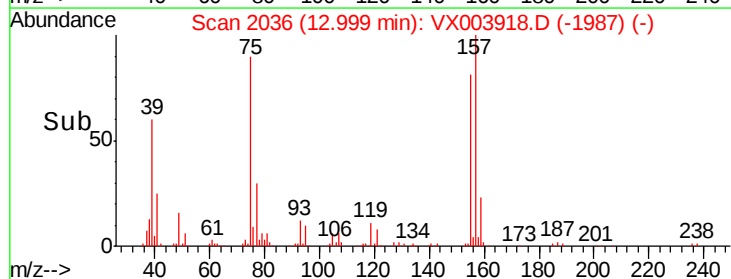
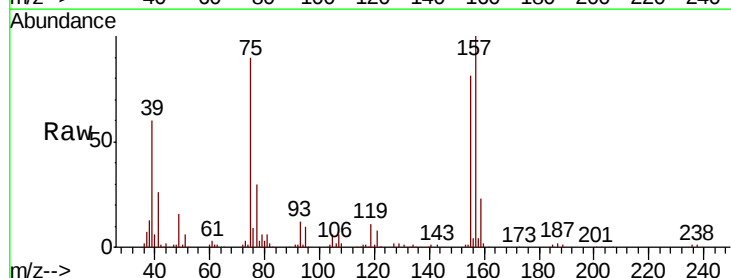
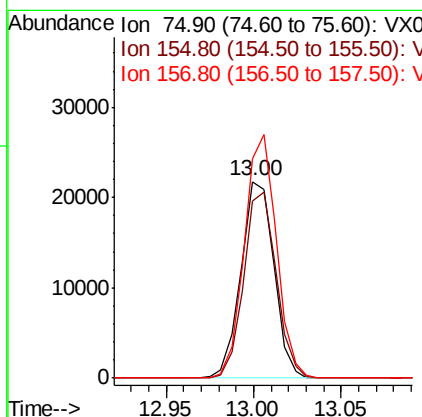
Manual Integrations
 APPROVED

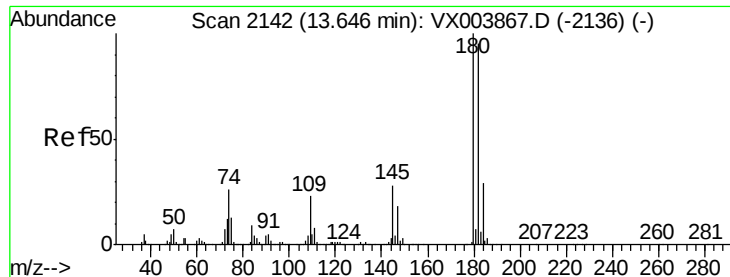
MMDadoda
 8/9/2018 10:39:34 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.00 ug/l
 RT: 13.00 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VX003918.D
 Acq: 08 Aug 2018 12:52

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.5	48.7	146.1
157	119.5	62.6	187.8





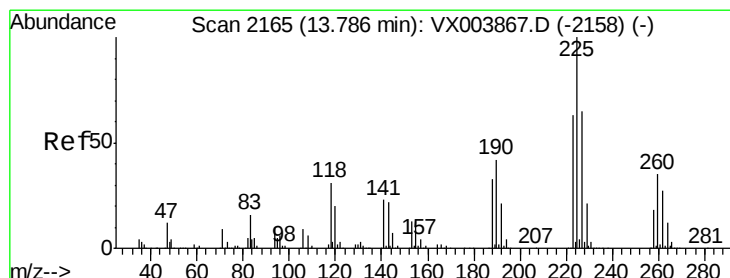
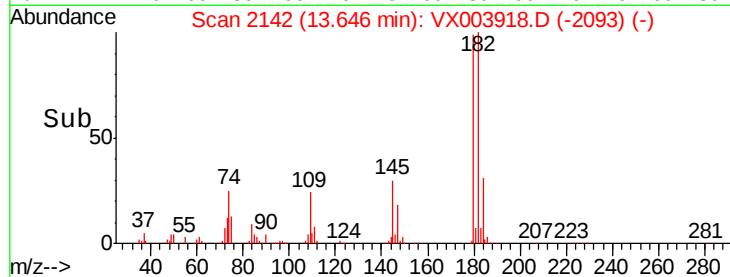
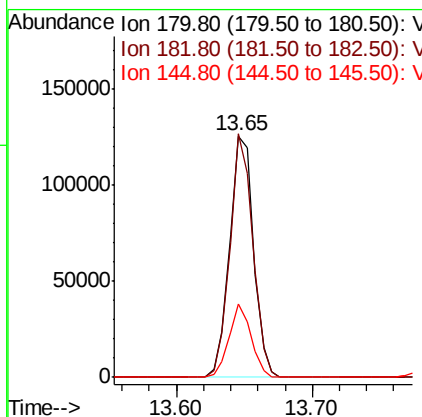
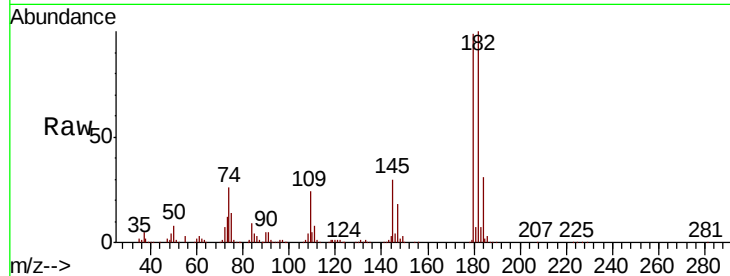
#93
 1,2,4-Trichlorobenzene
 Concen: 20.43 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VX003918.D
 Acq: 08 Aug 2018 12:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0808WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	154031		
182	95.9	47.7	143.1	
145	28.1	13.9	41.6	

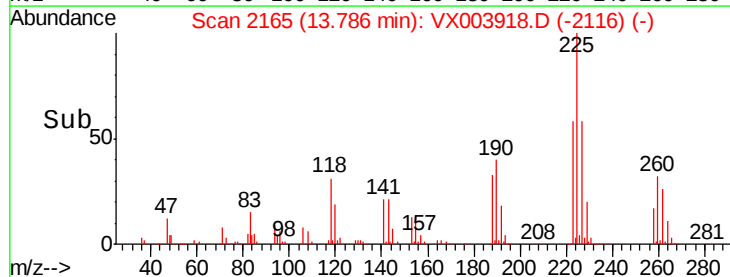
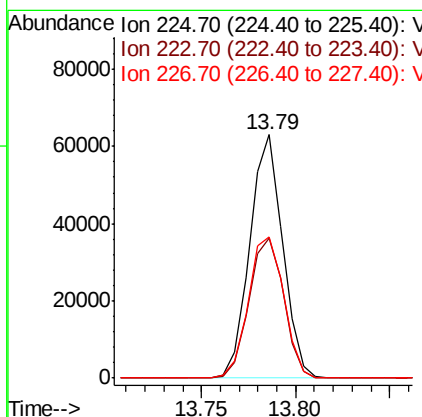
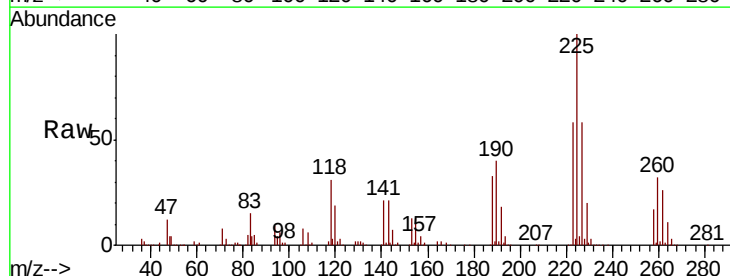
Manual Integrations
 APPROVED

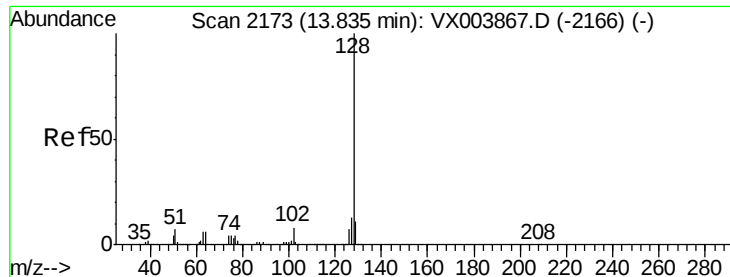
MMDadoda
 8/9/2018 10:39:34 AM



#94
 Hexachlorobutadiene
 Concen: 23.12 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX003918.D
 Acq: 08 Aug 2018 12:52

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	76152		
223	60.8	31.4	94.0	
227	62.7	32.1	96.5	





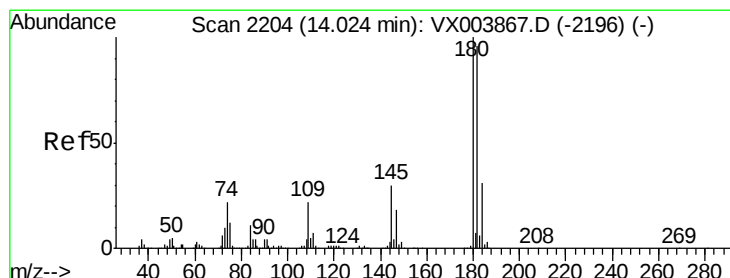
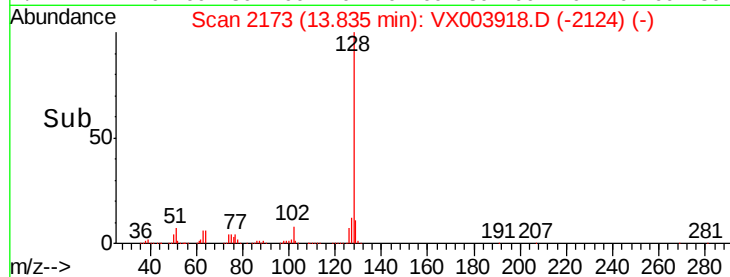
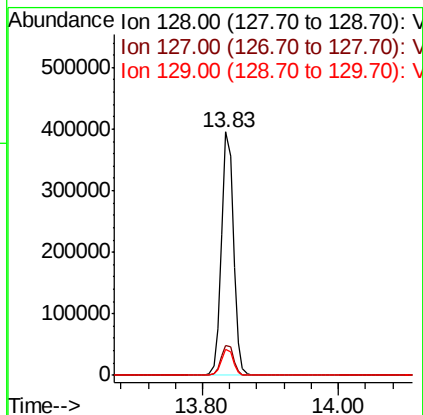
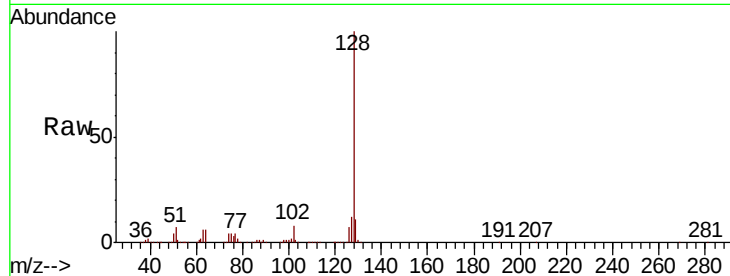
#95
Naphthalene
Concen: 22.31 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. 0.00 min
Lab File: VX003918.D
Acq: 08 Aug 2018 12:52

Instrument :
MSVOA_X
ClientSampled :
VX0808WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.2
129	10.9	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
8/9/2018 10:39:34 AM



#96
1,2,3-Trichlorobenzene
Concen: 22.20 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VX003918.D
Acq: 08 Aug 2018 12:52

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	48.1	144.4
145	29.3	14.9	44.7

