

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051719\
 Data File : VX009691.D
 Acq On : 18 May 2019 03:55
 Operator : JC/SP
 Sample : VX0517WBS04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0517WBS04

Manual Integrations
 APPROVED

MMDadoda
 5/20/2019 11:11:11 AM

Quant Time: May 18 06:51:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	134890	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	221141	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	200927	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	97906	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	93013	50.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.02%	
35) Dibromofluoromethane	5.50	113	67344	48.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.88%	
50) Toluene-d8	8.71	98	261479	46.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.18%	
62) 4-Bromofluorobenzene	11.13	95	95834	46.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.98%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.20	85	20471	16.469	ug/l	98
3) Chloromethane	1.32	50	33369	19.663	ug/l	99
4) Vinyl Chloride	1.41	62	33017	19.952	ug/l	97
5) Bromomethane	1.64	94	21432	21.577	ug/l	100
6) Chloroethane	1.71	64	21693	20.417	ug/l	98
7) Trichlorofluoromethane	1.92	101	41003	20.384	ug/l	98
8) Diethyl Ether	2.19	74	20624	21.645	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	24370	19.292	ug/l	98
10) Methyl Iodide	2.51	142	22276	18.377	ug/l	98
11) Tert butyl alcohol	3.05	59	52397	122.928	ug/l	98
12) 1,1-Dichloroethene	2.37	96	25229	19.934	ug/l	97
13) Acrolein	2.29	56	39652	102.721	ug/l	98
14) Allyl chloride	2.73	41	61800	20.036	ug/l	98
15) Acrylonitrile	3.14	53	122193	117.246	ug/l	99
16) Acetone	2.45	43	110537	111.793	ug/l	97
17) Carbon Disulfide	2.57	76	64043	18.023	ug/l	99
18) Methyl Acetate	2.78	43	56746	24.132	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	107072	21.785	ug/l	99
20) Methylene Chloride	2.85	84	32556	20.335	ug/l	94
21) trans-1,2-Dichloroethene	3.17	96	28209	20.551	ug/l	97
22) Diisopropyl ether	3.86	45	132248	22.295	ug/l	96
23) Vinyl Acetate	3.82	43	565348	111.303	ug/l	99
24) 1,1-Dichloroethane	3.70	63	61672	21.076	ug/l	100
25) 2-Butanone	4.68	43	181684	118.245	ug/l	98
26) 2,2-Dichloropropane	4.59	77	26271	12.062	ug/l	95
27) cis-1,2-Dichloroethene	4.59	96	34387	20.989	ug/l	96
28) Bromochloromethane	5.02	49	28189	22.419	ug/l	97
29) Tetrahydrofuran	5.13	42	119854	121.219	ug/l	98
30) Chloroform	5.21	83	57044	21.554	ug/l	98
31) Cyclohexane	5.58	56	53815	19.767	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	45900	20.834	ug/l	98
36) 1,1-Dichloropropene	5.80	75	41277	20.085	ug/l	100
37) Ethyl Acetate	4.84	43	66950	23.382	ug/l	99
38) Carbon Tetrachloride	5.79	117	37420	20.041	ug/l	93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051719\
 Data File : VX009691.D
 Acq On : 18 May 2019 03:55
 Operator : JC/SP
 Sample : VX0517WBS04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0517WBS04

Manual Integrations
 APPROVED

MMDadoda
 5/20/2019 11:11:11 AM

Quant Time: May 18 06:51:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	45390	17.984	ug/l	99
40) Benzene	6.15	78	132923	20.899	ug/l	98
41) Methacrylonitrile	5.05	41	38221	22.424	ug/l	98
42) 1,2-Dichloroethane	6.20	62	50072	21.947	ug/l	100
43) Isopropyl Acetate	6.45	43	101697	22.204	ug/l	99
44) Trichloroethene	7.21	130	31079	20.213	ug/l	93
45) 1,2-Dichloropropane	7.51	63	38232	21.229	ug/l	98
46) Dibromomethane	7.66	93	22082	21.115	ug/l	99
47) Bromodichloromethane	7.90	83	43505	20.854	ug/l	100
48) Methyl methacrylate	7.77	41	51443	22.639	ug/l	96
49) 1,4-Dioxane	7.74	88	22021	477.868	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	355893	118.883	ug/l	98
52) Toluene	8.79	92	80711	20.876	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	45301	19.234	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	50772	19.476	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	33611	21.309	ug/l	97
56) Ethyl methacrylate	9.18	69	60265	21.404	ug/l	97
57) 1,3-Dichloropropane	9.37	76	59712	21.513	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	133503	89.381	ug/l	100
59) 2-Hexanone	9.49	43	277493	118.023	ug/l	98
60) Dibromochloromethane	9.58	129	31571	20.494	ug/l	98
61) 1,2-Dibromoethane	9.67	107	34543	21.696	ug/l	99
64) Tetrachloroethene	9.34	164	30192	21.906	ug/l	95
65) Chlorobenzene	10.13	112	83450	20.762	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	30562	20.973	ug/l	99
67) Ethyl Benzene	10.25	91	151688	20.506	ug/l	100
68) m/p-Xylenes	10.36	106	110342	40.819	ug/l	98
69) o-Xylene	10.70	106	55628	20.857	ug/l	98
70) Styrene	10.71	104	95724	20.650	ug/l	99
71) Bromoform	10.85	173	23909	20.190	ug/l #	99
73) Isopropylbenzene	11.02	105	146954	20.641	ug/l	99
74) N-amyl acetate	10.90	43	90783	21.871	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	58109	21.894	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	55652m	24.505	ug/l	
77) Bromobenzene	11.26	156	37024	20.952	ug/l	97
78) n-propylbenzene	11.36	91	165452	20.348	ug/l	100
79) 2-Chlorotoluene	11.42	91	102778	20.488	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	124447	20.759	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	14815	16.691	ug/l	91
82) 4-Chlorotoluene	11.51	91	116018	20.472	ug/l	99
83) tert-Butylbenzene	11.77	119	117947	20.225	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	125611	20.875	ug/l	99
85) sec-Butylbenzene	11.94	105	140660	20.345	ug/l	99
86) p-Isopropyltoluene	12.06	119	127366	20.492	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	65198	20.696	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	64381	20.271	ug/l	98
89) n-Butylbenzene	12.38	91	109310	19.458	ug/l	99
90) Hexachloroethane	12.59	117	20888	19.726	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	66539	20.738	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	13755	23.103	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051719\
Data File : VX009691.D
Acq On : 18 May 2019 03:55
Operator : JC/SP
Sample : VX0517WBS04
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0517WBS04

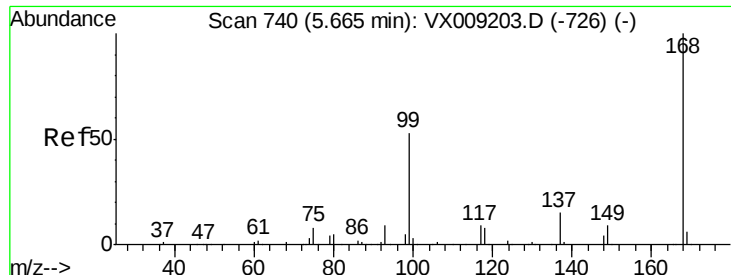
Manual Integrations
APPROVED

MMDadoda
5/20/2019 11:11:11 AM

Quant Time: May 18 06:51:02 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	44897	20.462	ug/l	98
94) Hexachlorobutadiene	13.78	225	22906	20.443	ug/l	98
95) Naphthalene	13.83	128	157210	22.023	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	48028	21.594	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX009691.D

Acq: 18 May 2019 03:55

Instrument :

MSVOA_X

ClientSampleId :

VX0517WBS04

Tot Ion:168 Resp: 134890

Ion Ratio Lower Upper

168 100

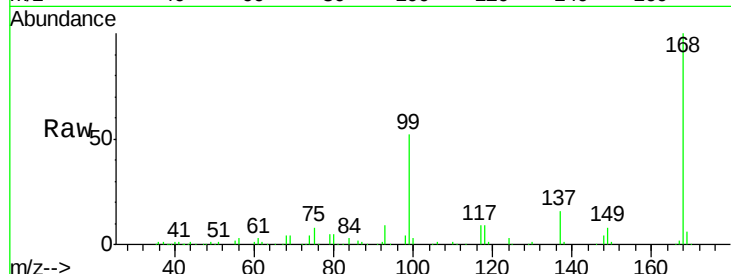
99 51.8 42.3 63.5

Manual Integrations

APPROVED

MMDadoda

5/20/2019 11:11:11 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

50000

40000

30000

20000

10000

0

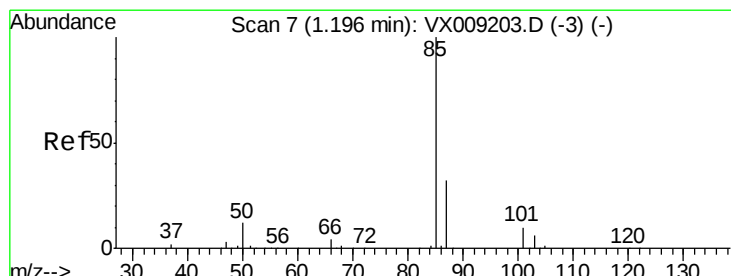
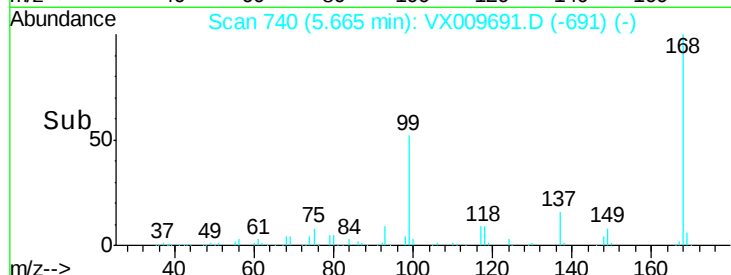
Time-->

5.50

5.60

5.70

5.80



#2

Dichlorodifluoromethane

Concen: 16.469 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX009691.D

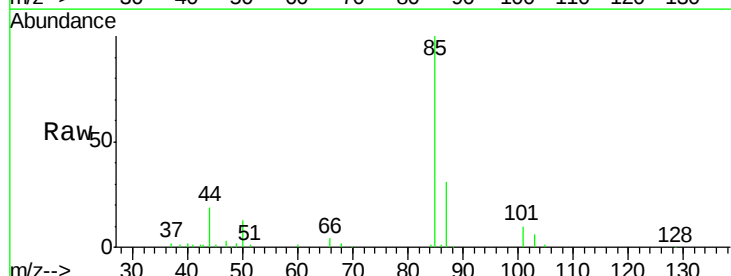
Acq: 18 May 2019 03:55

Tgt Ion: 85 Resp: 20471

Ion Ratio Lower Upper

85 100

87 31.2 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

20000

15000

10000

5000

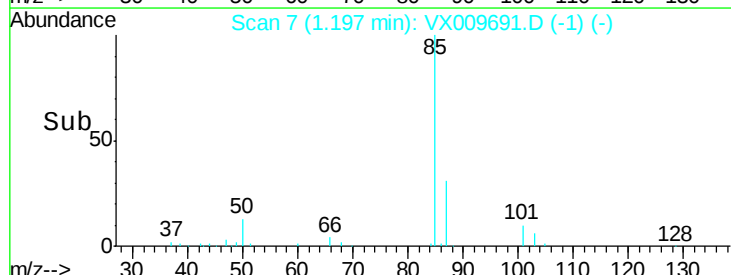
0

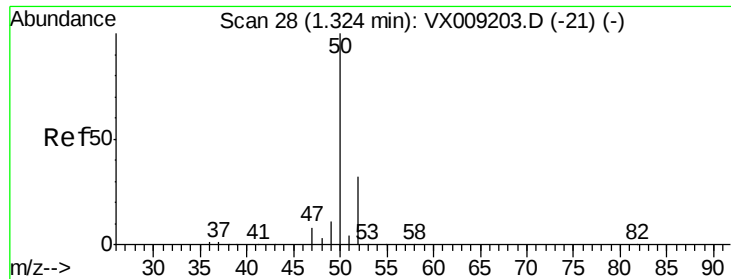
Time-->

1.15

1.20

1.25





#3

Chloromethane

Concen: 19.663 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009691.D

Acq: 18 May 2019 03:55

Instrument :

MSVOA_X

ClientSampleId :

VX0517WBS04

Tot Ion: 50 Resp: 33369

Ion Ratio Lower Upper

50 100

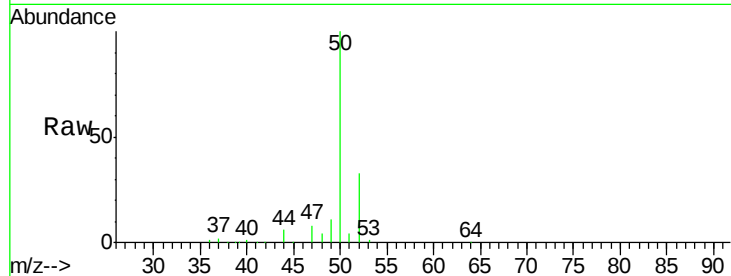
52 33.1 25.9 38.9

Manual Integrations

APPROVED

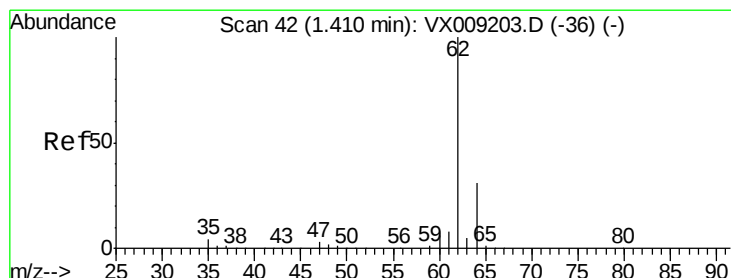
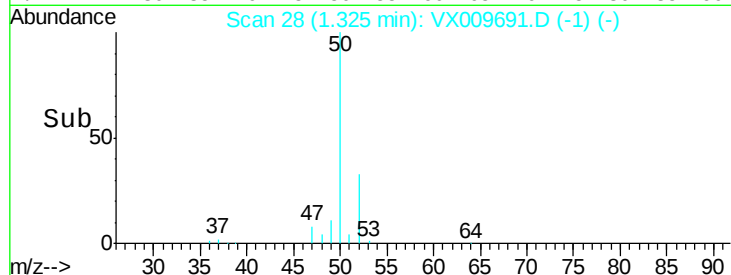
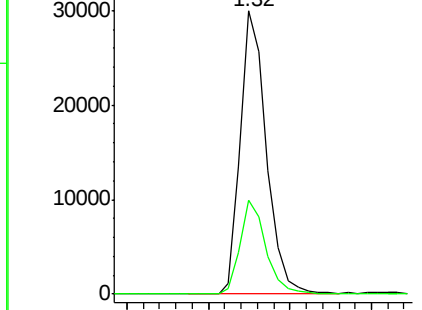
MMDadoda

5/20/2019 11:11:11 AM



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 19.952 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX009691.D

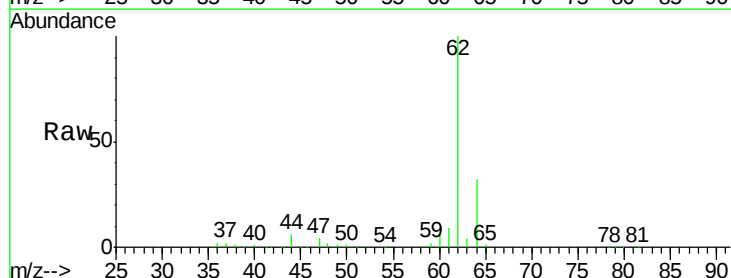
Acq: 18 May 2019 03:55

Tgt Ion: 62 Resp: 33017

Ion Ratio Lower Upper

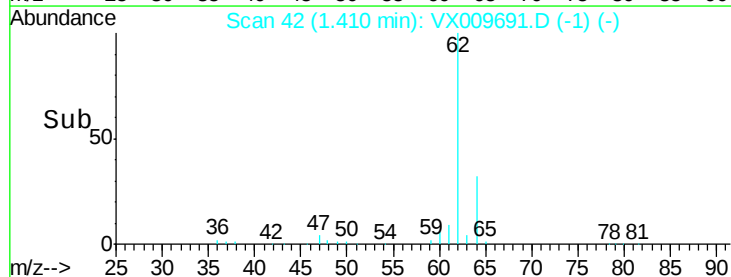
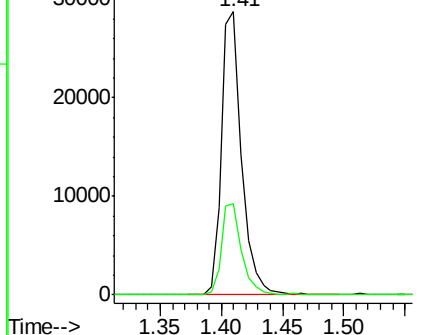
62 100

64 32.2 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 21.577 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009691.D

Acq: 18 May 2019 03:55

Instrument :

MSVOA_X

ClientSampleId :

VX0517WBS04

Tot Ion: 94 Resp: 21432

Ion Ratio Lower Upper

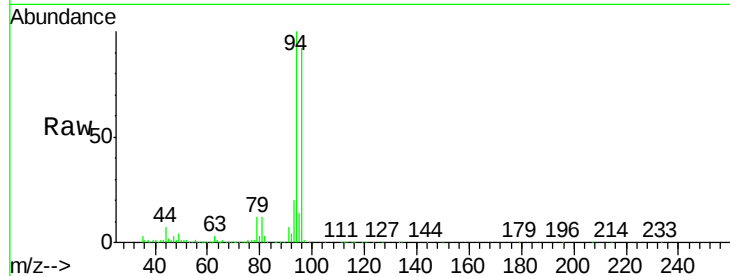
94 100

96 91.7 73.0 109.6

Manual Integrations
APPROVED

MMDadoda

5/20/2019 11:11:11 AM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

25000

20000

15000

10000

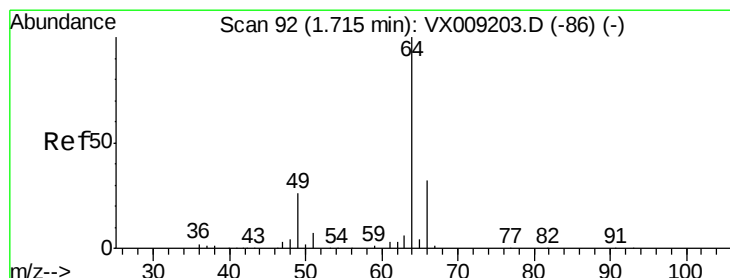
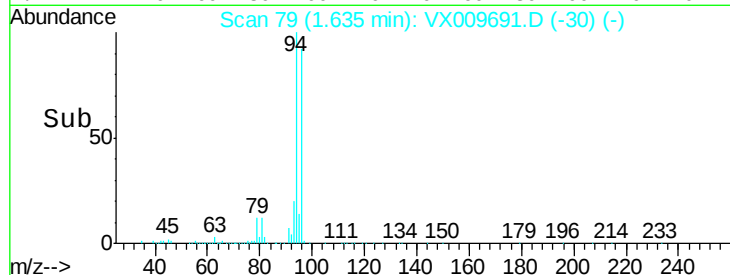
5000

0

1.64

1.60 1.65 1.70

Time-->



#6

Chloroethane

Concen: 20.417 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX009691.D

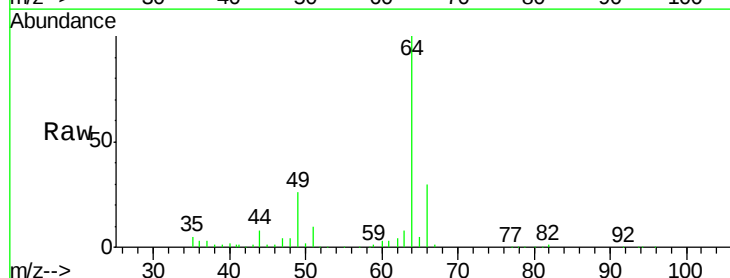
Acq: 18 May 2019 03:55

Tgt Ion: 64 Resp: 21693

Ion Ratio Lower Upper

64 100

66 30.5 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

15000

10000

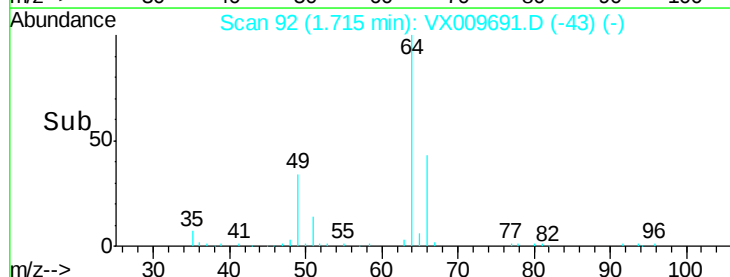
5000

0

1.71

1.65 1.70 1.75 1.80

Time-->





#7

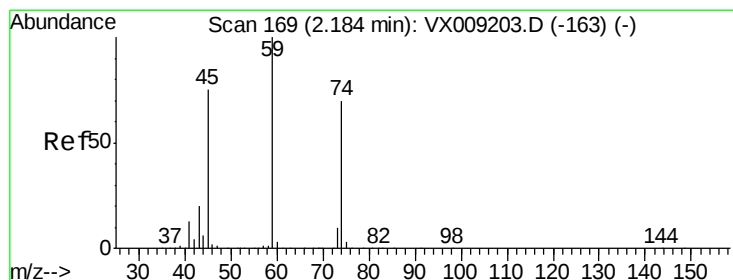
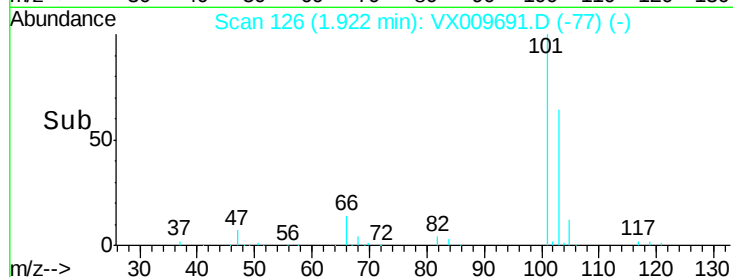
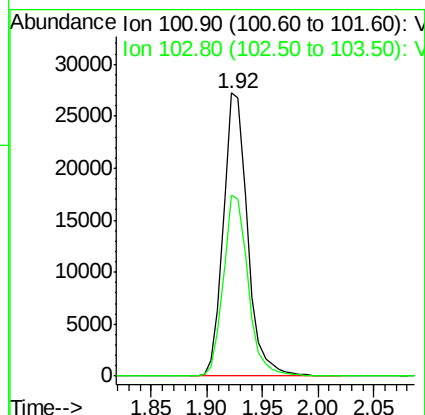
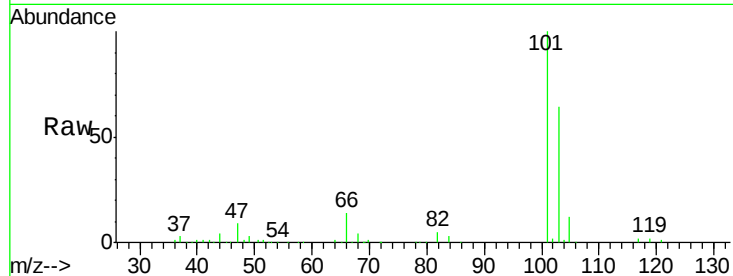
Trichlorofluoromethane
Concen: 20.384 ug/l
RT: 1.92 min Scan# 126
Delta R.T. 0.00 min
Lab File: VX009691.D
Acq: 18 May 2019 03:55

Instrument :
MSVOA_X
ClientSampleId :
VX0517WBS04

Tot Ion:101 Resp: 41003
Ion Ratio Lower Upper
101 100
103 64.1 52.4 78.6

Manual Integrations
APPROVED

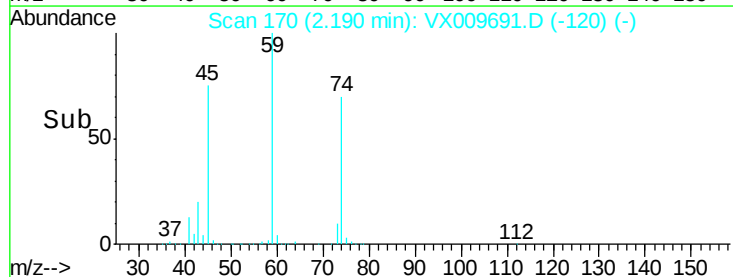
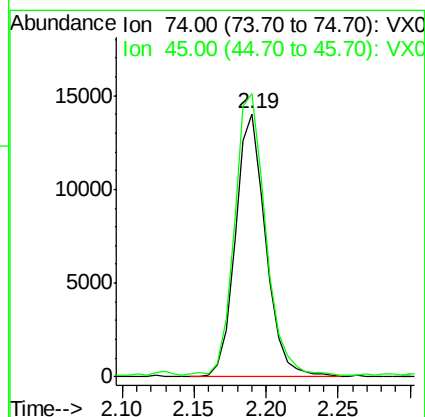
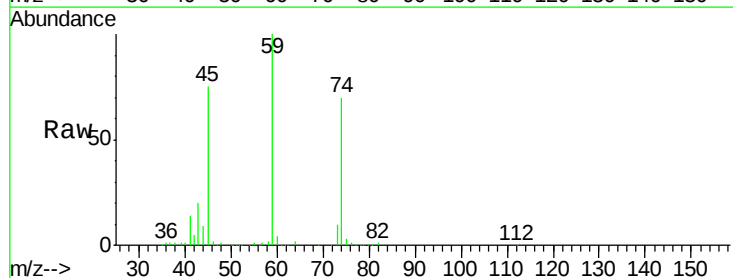
MMDadoda
5/20/2019 11:11:11 AM

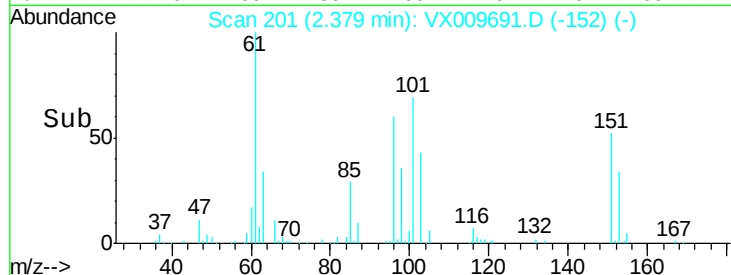
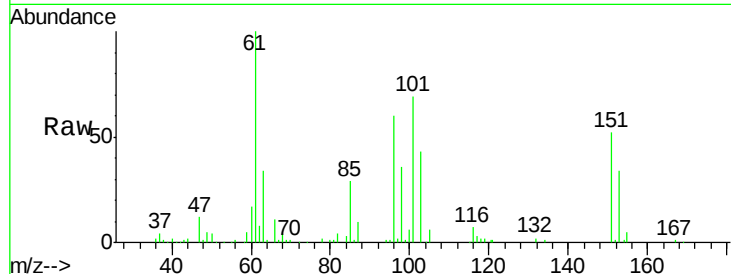


#8

Diethyl Ether
Concen: 21.645 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX009691.D
Acq: 18 May 2019 03:55

Tgt Ion: 74 Resp: 20624
Ion Ratio Lower Upper
74 100
45 109.0 53.3 159.9





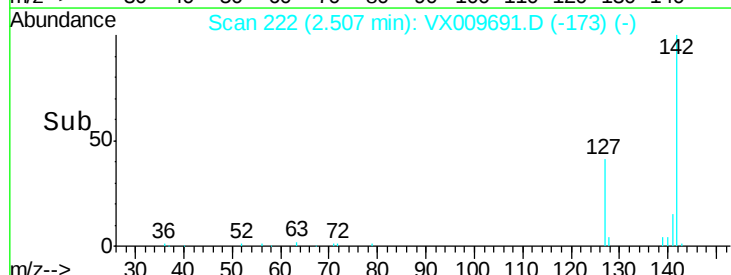
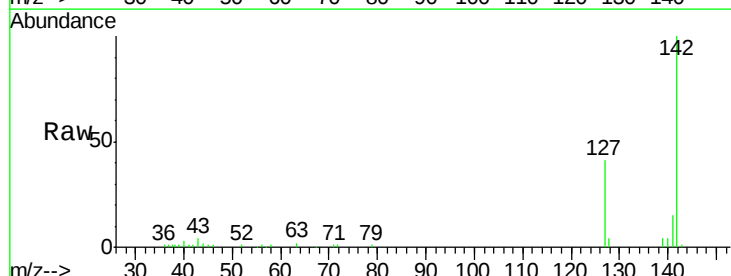
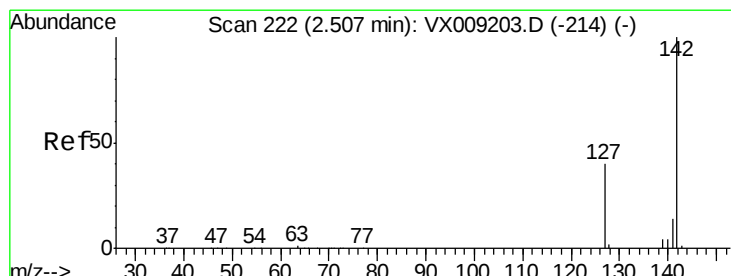
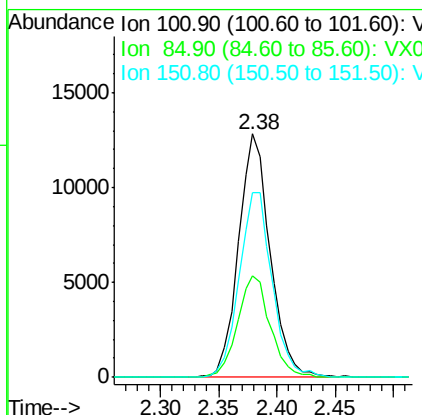
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.292 ug/l
RT: 2.38 min Scan# 201
Delta R.T. 0.00 min
Lab File: VX009691.D
Acq: 18 May 2019 03:55

Instrument :
MSVOA_X
ClientSampleId :
VX0517WBS04

Tot Ion	Ratio	Resp	Lower	Upper
101	100	24370		
85	43.2	35.7	53.5	
151	79.1	62.2	93.2	

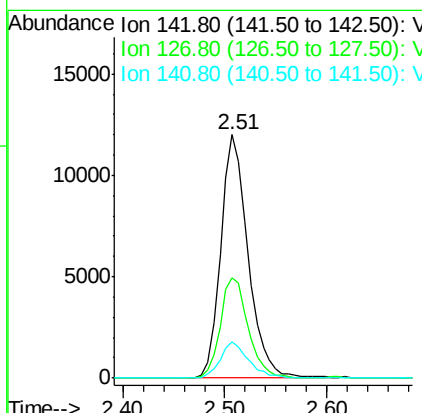
Manual Integrations
APPROVED

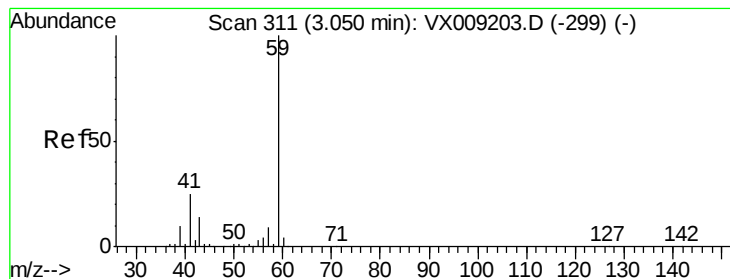
MMDadoda
5/20/2019 11:11:11 AM



#10
Methyl Iodide
Concen: 18.377 ug/l
RT: 2.51 min Scan# 222
Delta R.T. 0.00 min
Lab File: VX009691.D
Acq: 18 May 2019 03:55

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	22276		
127	42.1	32.7	49.1	
141	15.1	11.5	17.3	





#11

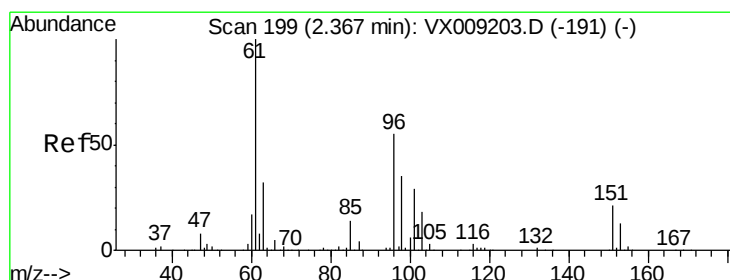
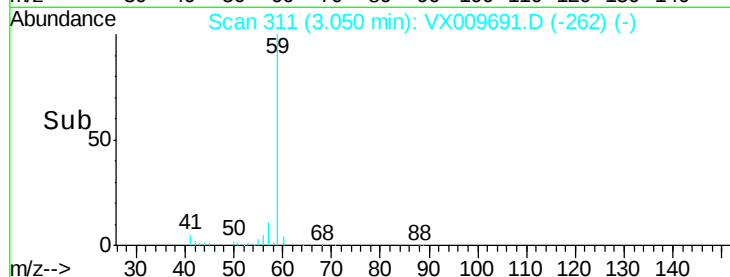
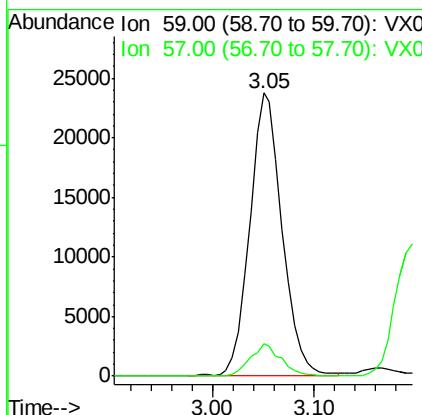
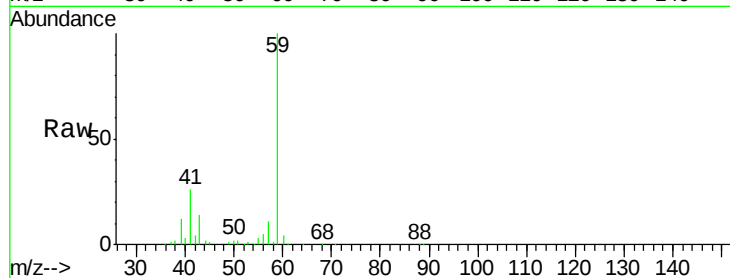
Tert butyl alcohol
 Concen: 122.928 ug/l
 RT: 3.05 min Scan# 311
 Delta R.T. 0.00 min
 Lab File: VX009691.D
 Acq: 18 May 2019 03:55

Instrument :
 MSVOA_X
 ClientSampled :
 VX0517WBS04

Tot Ion	59	Resp	52397
Ion Ratio	100	Lower	Upper
57	11.0	8.2	12.2

Manual Integrations
 APPROVED

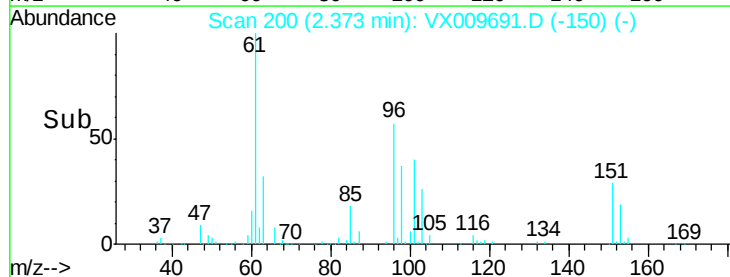
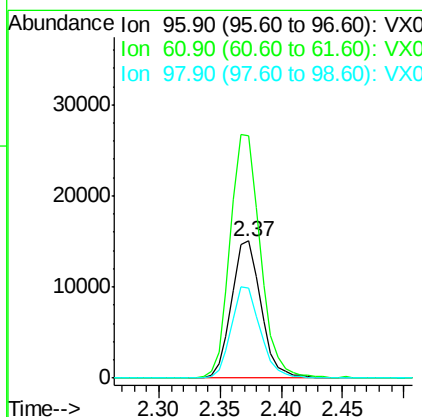
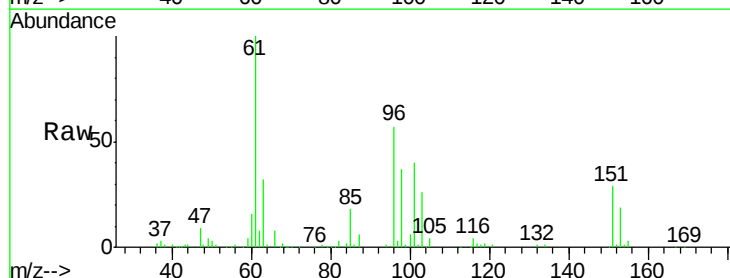
MMDadoda
 5/20/2019 11:11:11 AM

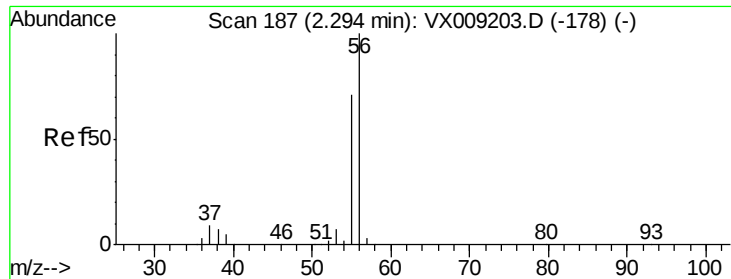


#12

1,1-Dichloroethene
 Concen: 19.934 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. 0.01 min
 Lab File: VX009691.D
 Acq: 18 May 2019 03:55

Tgt Ion	96	Resp	25229
Ion Ratio	100	Lower	Upper
61	177.0	144.3	216.5
98	65.3	50.3	75.5





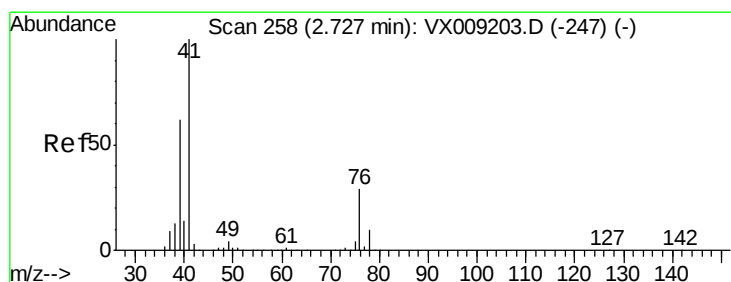
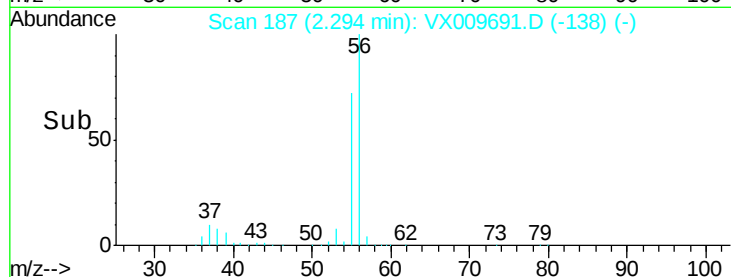
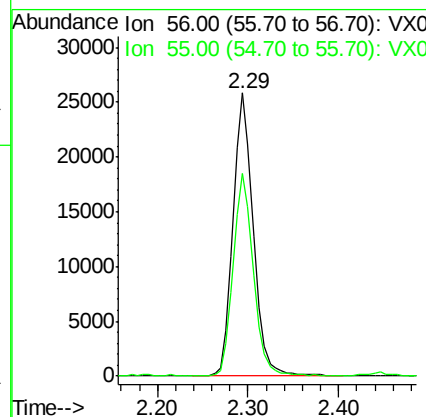
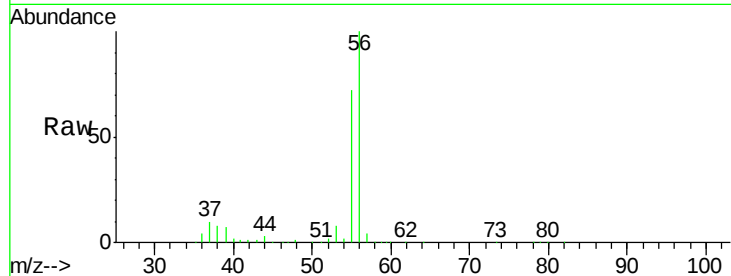
#13
Acrolein
Concen: 102.721 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX009691.D
Acq: 18 May 2019 03:55

Instrument :
MSVOA_X
ClientSampleId :
VX0517WBS04

Tot Ion	56	Resp	39652
Ion Ratio	100	Lower	Upper
55	72.6	56.6	85.0

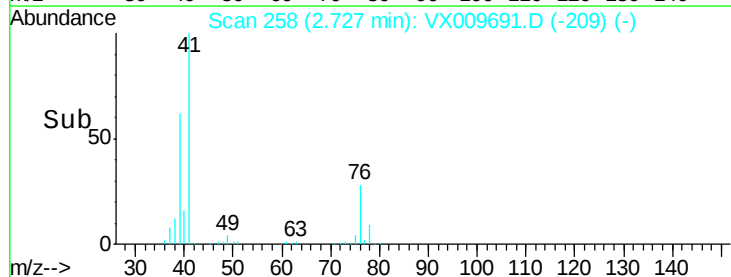
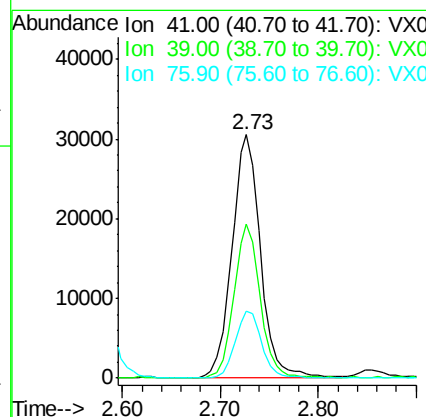
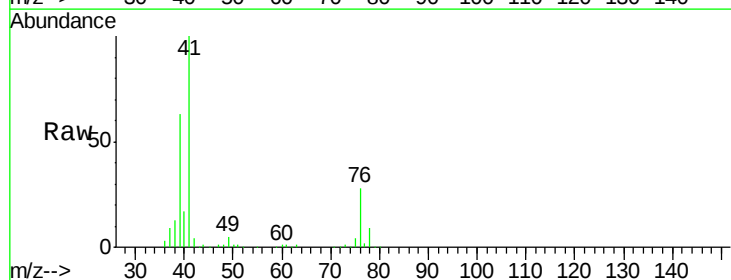
Manual Integrations
APPROVED

MMDadoda
5/20/2019 11:11:11 AM



#14
Allyl chloride
Concen: 20.036 ug/l
RT: 2.73 min Scan# 258
Delta R.T. 0.00 min
Lab File: VX009691.D
Acq: 18 May 2019 03:55

Tgt Ion	41	Resp	61800
Ion Ratio	100	Lower	Upper
39	57.4	46.7	70.1
76	25.6	21.8	32.8





#15

Acrylonitrile

Concen: 117.246 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX009691.D

Acq: 18 May 2019 03:55

Instrument :

MSVOA_X

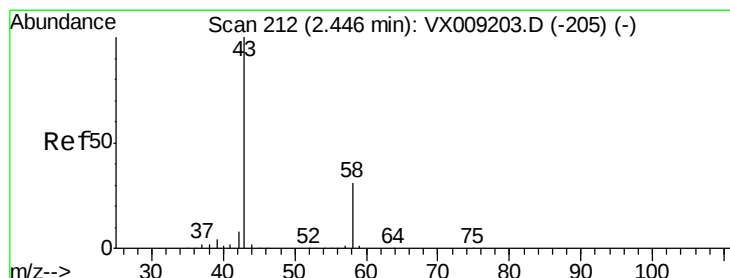
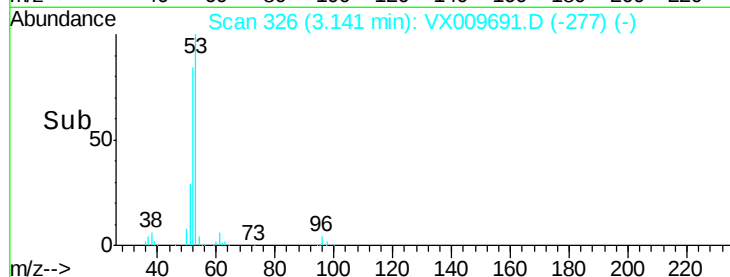
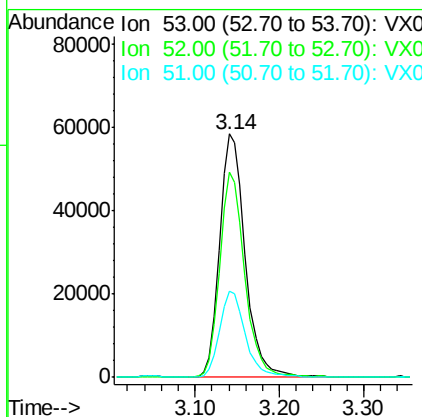
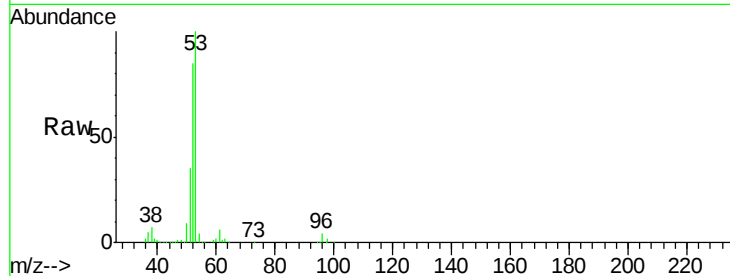
ClientSampleId :

VX0517WBS04

Tot Ion:	53	Resp:	122193
Ion	Ratio	Lower	Upper
53	100		
52	82.8	66.9	100.3
51	36.1	28.2	42.2

Manual Integrations
APPROVED

MMDadoda
5/20/2019 11:11:11 AM



#16

Acetone

Concen: 111.793 ug/l

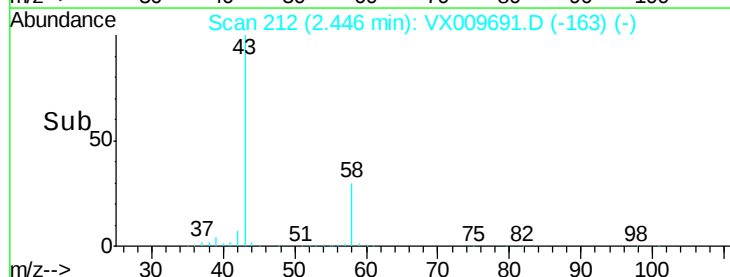
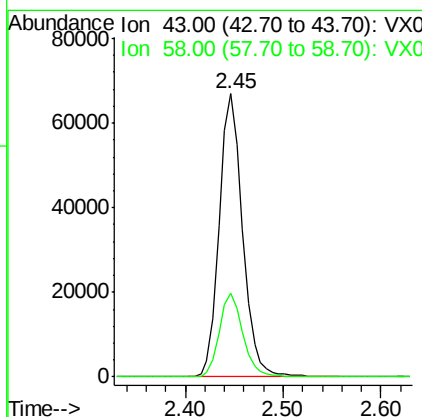
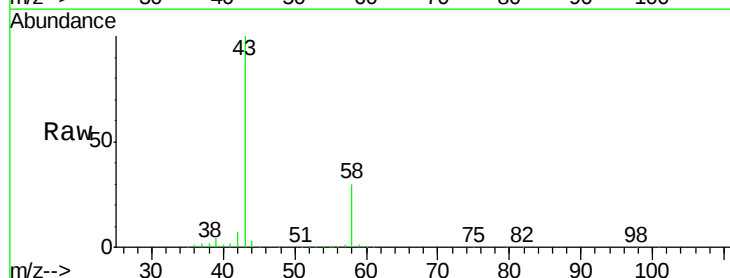
RT: 2.45 min Scan# 212

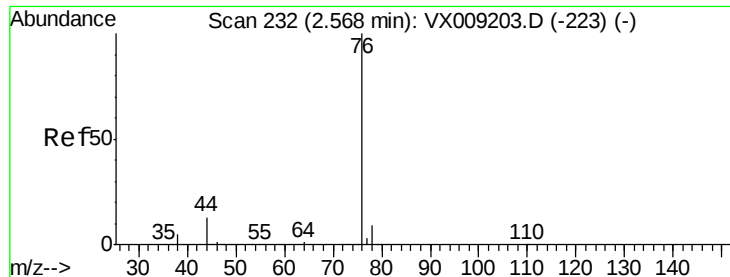
Delta R.T. 0.00 min

Lab File: VX009691.D

Acq: 18 May 2019 03:55

Tgt Ion:	43	Resp:	110537
Ion	Ratio	Lower	Upper
43	100		
58	29.6	24.9	37.3





#17

Carbon Disulfide

Concen: 18.023 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX009691.D

Acq: 18 May 2019 03:55

Instrument :

MSVOA_X

ClientSampleId :

VX0517WBS04

Tot Ion: 76 Resp: 64043

Ion Ratio Lower Upper

76 100

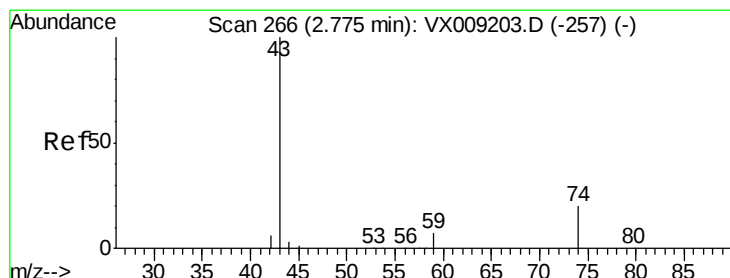
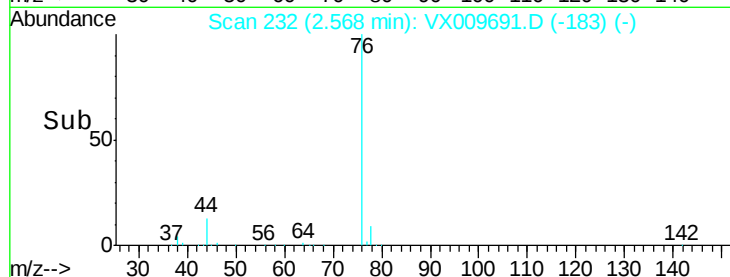
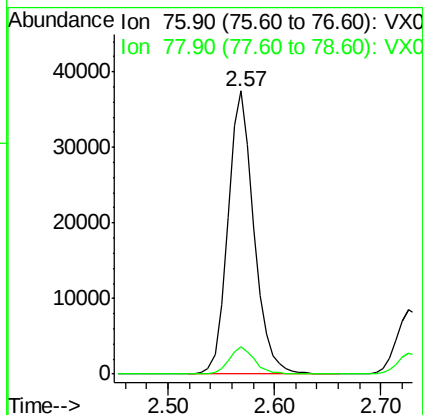
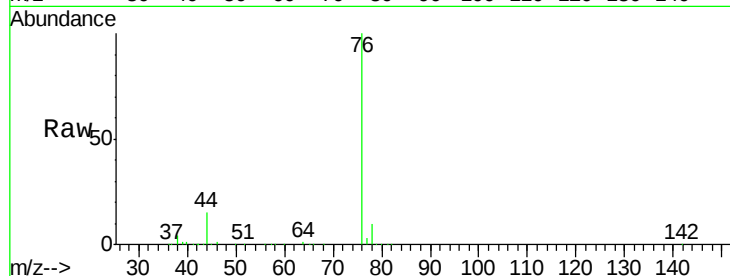
78 9.5 7.4 11.0

Manual Integrations

APPROVED

MMDadoda

5/20/2019 11:11:11 AM



#18

Methyl Acetate

Concen: 24.132 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX009691.D

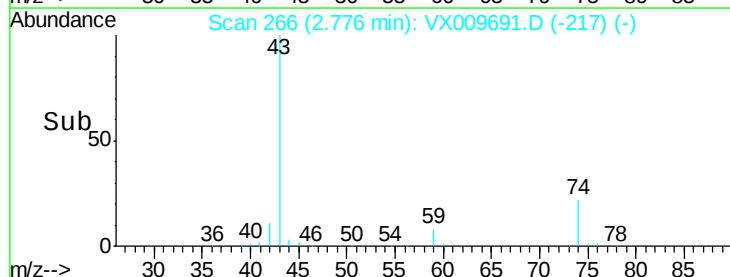
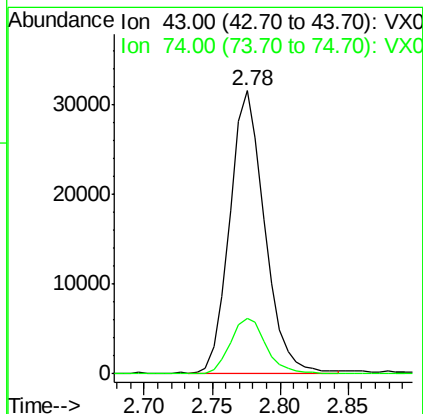
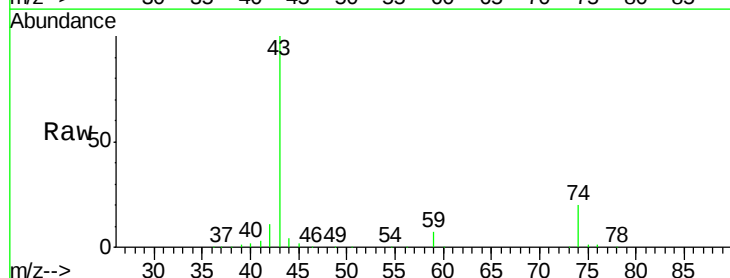
Acq: 18 May 2019 03:55

Tgt Ion: 43 Resp: 56746

Ion Ratio Lower Upper

43 100

74 20.5 16.2 24.4





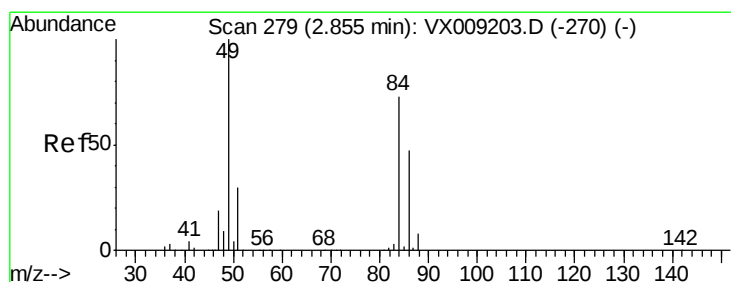
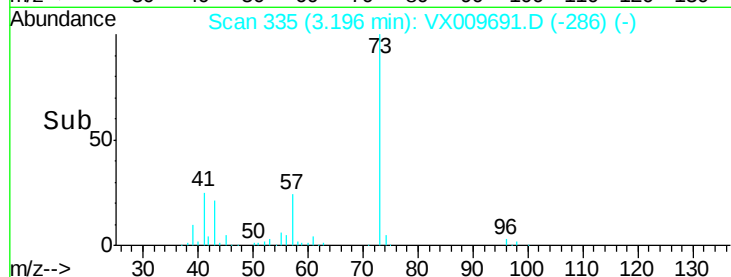
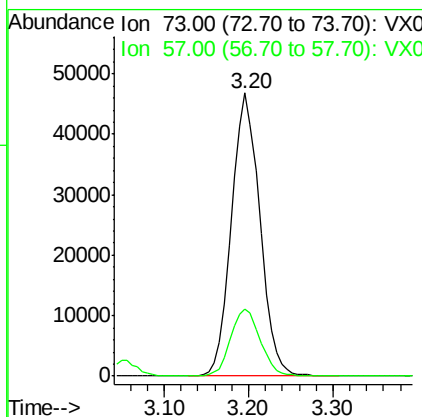
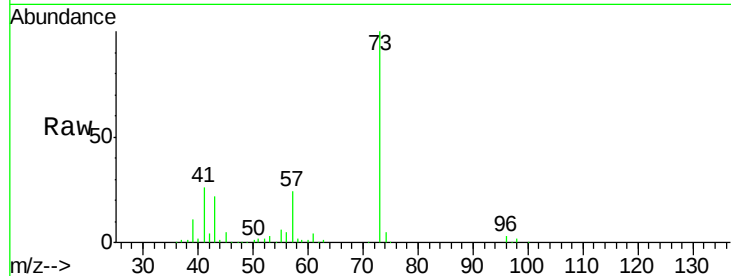
#19
Methvl tert-butvl Ether
Concen: 21.785 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX009691.D
Acq: 18 May 2019 03:55

Instrument :
MSVOA_X
ClientSampleId :
VX0517WBS04

Tot Ion: 73 Resp: 107072
Ion Ratio Lower Upper
73 100
57 23.5 19.3 28.9

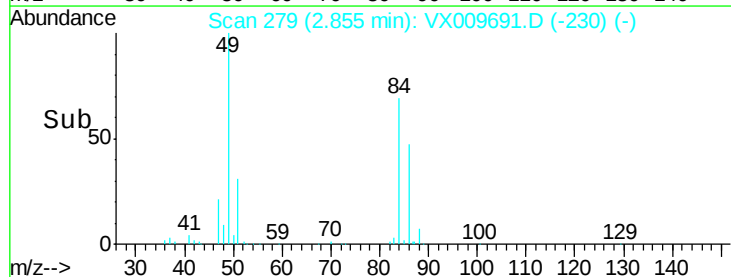
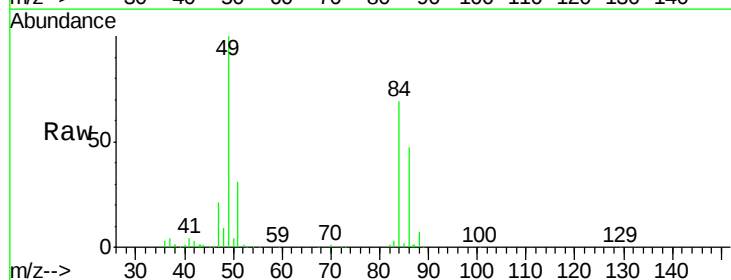
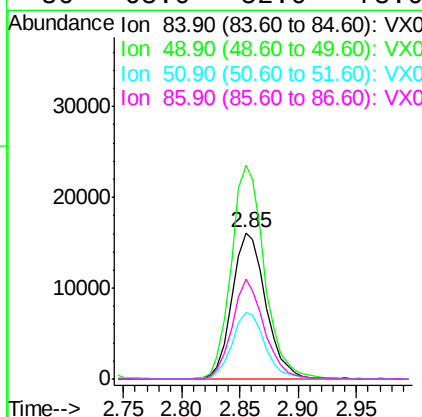
Manual Integrations
APPROVED

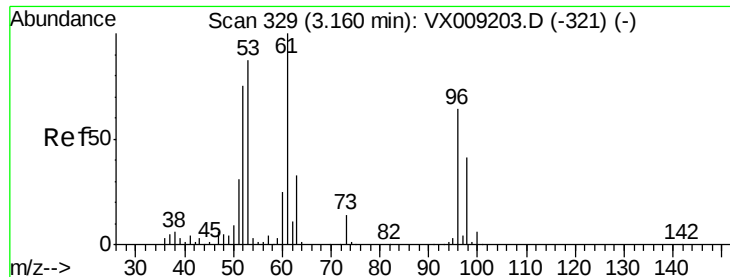
MMDadoda
5/20/2019 11:11:11 AM



#20
Methylene Chloride
Concen: 20.335 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX009691.D
Acq: 18 May 2019 03:55

Tgt Ion: 84 Resp: 32556
Ion Ratio Lower Upper
84 100
49 145.4 109.9 164.9
51 44.7 32.7 49.1
86 68.0 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 20.551 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX009691.D

Acq: 18 May 2019 03:55

Instrument :

MSVOA_X

ClientSampleId :

VX0517WBS04

Tot Ion: 96 Resp: 28209

Ion Ratio Lower Upper

96 100

61 153.2 124.5 186.7

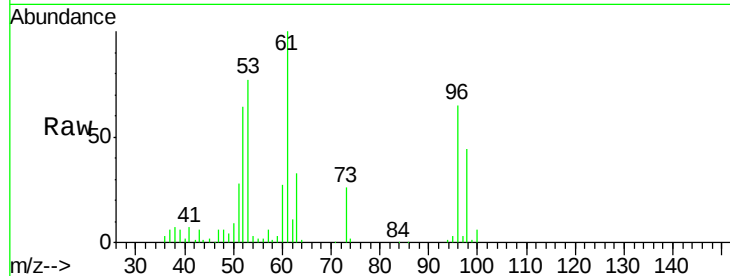
98 68.1 50.4 75.6

Manual Integrations

APPROVED

MMDadoda

5/20/2019 11:11:11 AM

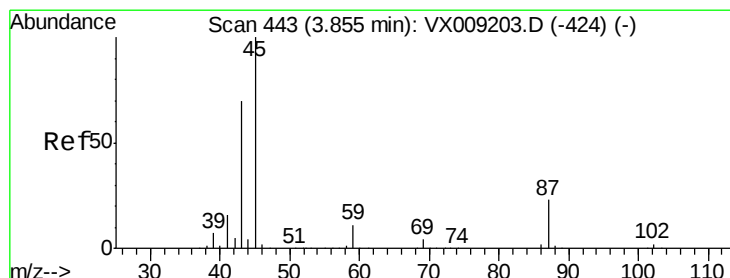
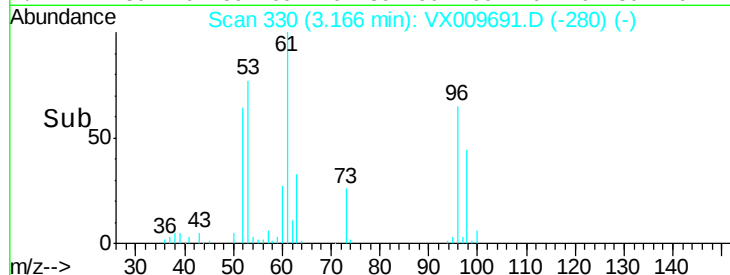
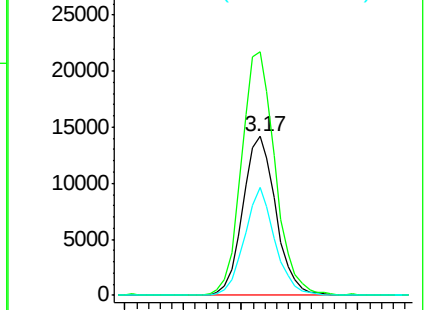


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 22.295 ug/l

RT: 3.86 min Scan# 444

Delta R.T. 0.01 min

Lab File: VX009691.D

Acq: 18 May 2019 03:55

Tgt Ion: 45 Resp: 132248

Ion Ratio Lower Upper

45 100

43 65.9 56.1 84.1

87 23.8 18.1 27.1

59 10.9 8.5 12.7

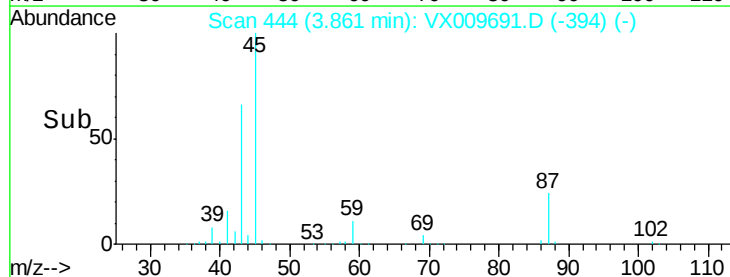
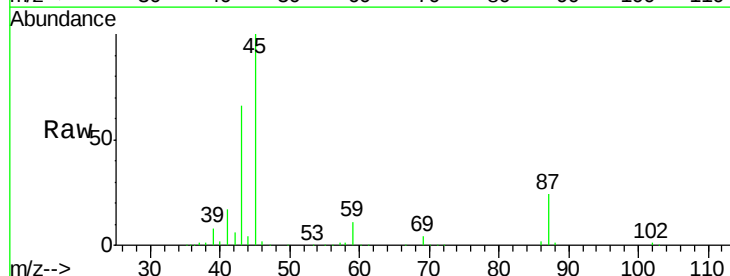
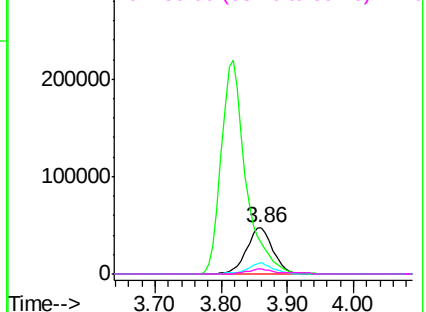
Abundance

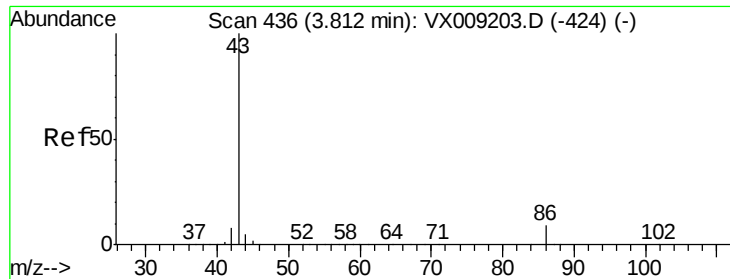
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 111.303 ug/l

RT: 3.82 min Scan# 437

Delta R.T. 0.01 min

Lab File: VX009691.D

Acq: 18 May 2019 03:55

Instrument :

MSVOA_X

ClientSampleID :

VX0517WBS04

Tot Ion: 43 Resp: 565348

Ion Ratio Lower Upper

43 100

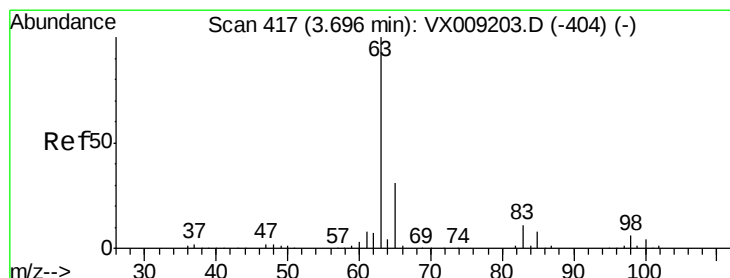
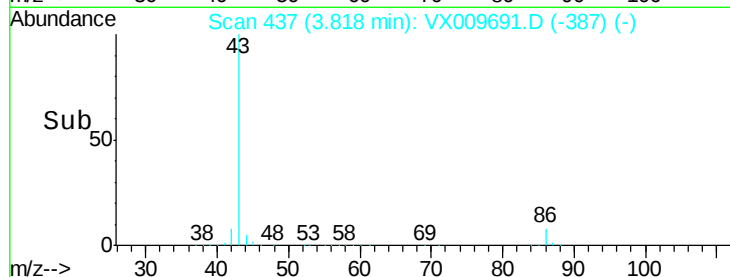
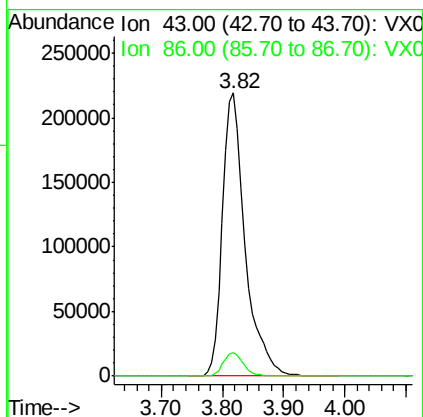
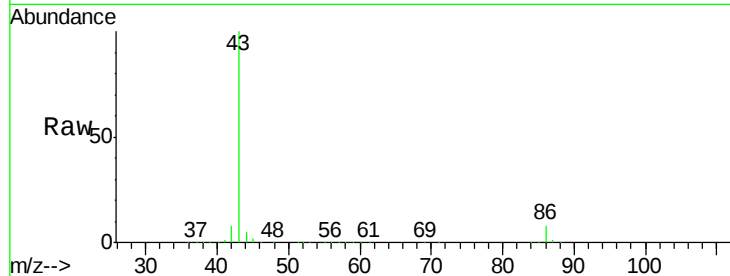
86 8.4 6.9 10.3

Manual Integrations

APPROVED

MMDadoda

5/20/2019 11:11:11 AM



#24

1,1-Dichloroethane

Concen: 21.076 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX009691.D

Acq: 18 May 2019 03:55

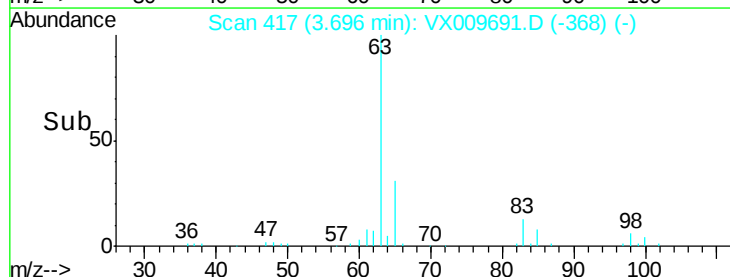
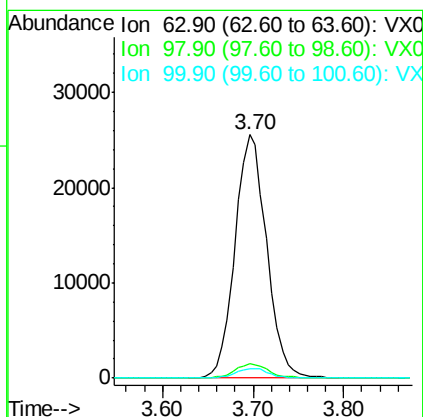
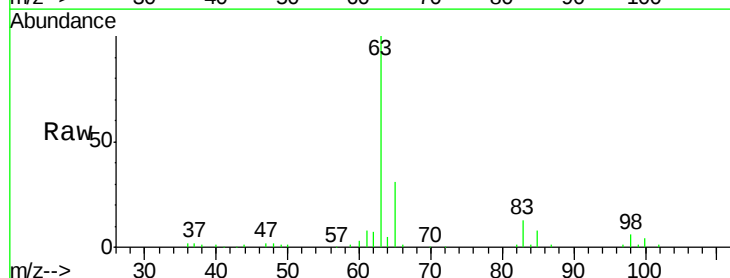
Tgt Ion: 63 Resp: 61672

Ion Ratio Lower Upper

63 100

98 6.1 3.0 9.2

100 4.0 2.0 6.0





#25

2-Butanone

Concen: 118.245 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.01 min

Lab File: VX009691.D

Acq: 18 May 2019 03:55

Instrument :

MSVOA_X

ClientSampleId :

VX0517WBS04

Tot Ion: 43 Resp: 181684

Ion Ratio Lower Upper

43 100

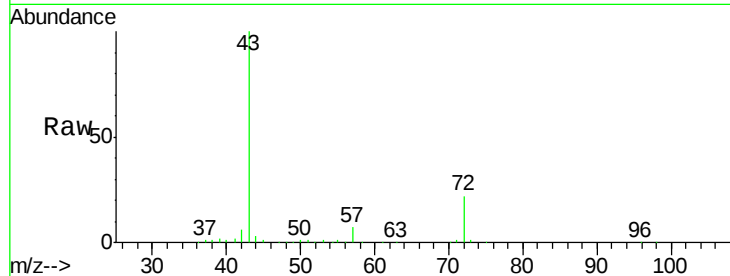
72 22.0 18.2 27.2

Manual Integrations

APPROVED

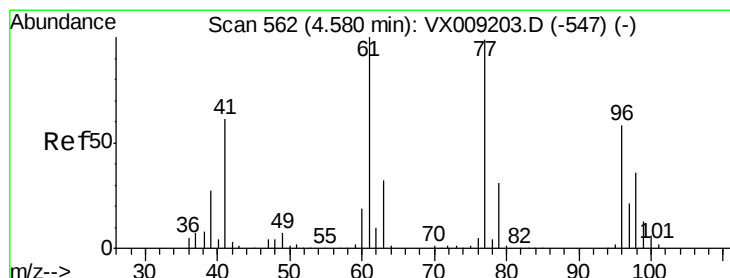
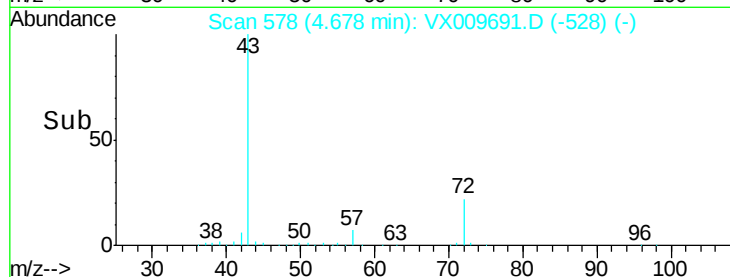
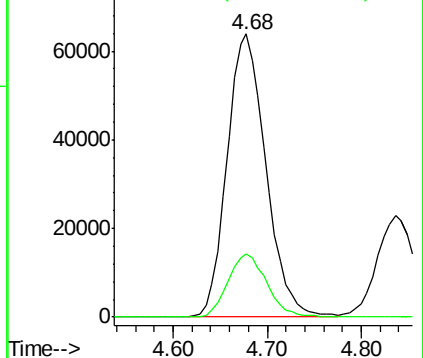
MMDadoda

5/20/2019 11:11:11 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 12.062 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX009691.D

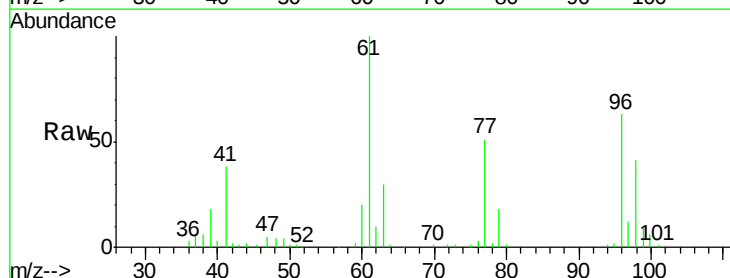
Acq: 18 May 2019 03:55

Tgt Ion: 77 Resp: 26271

Ion Ratio Lower Upper

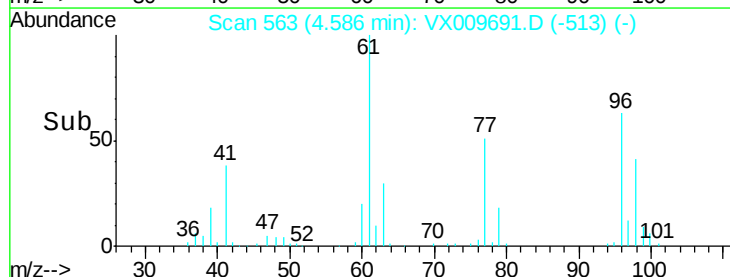
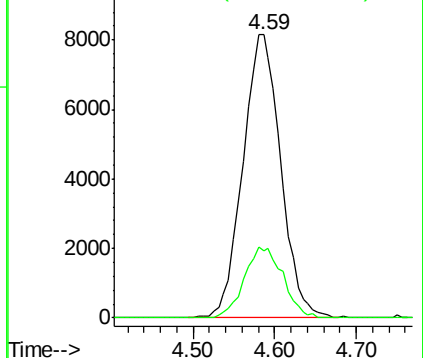
77 100

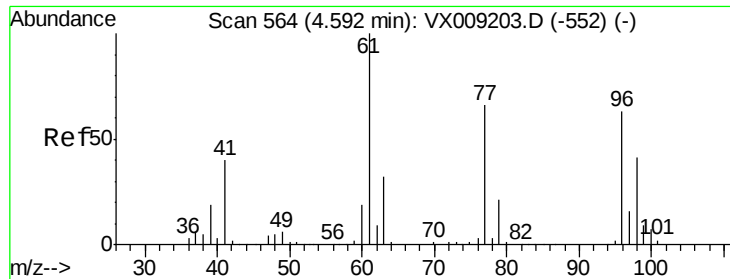
97 25.4 11.5 34.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

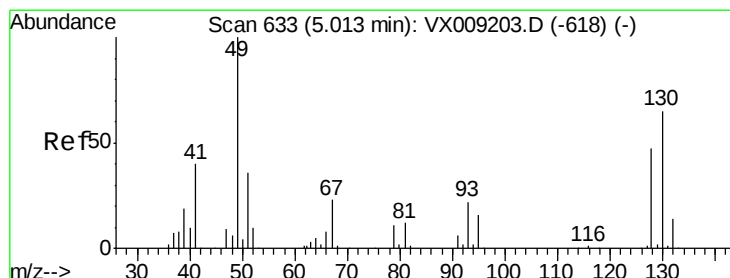
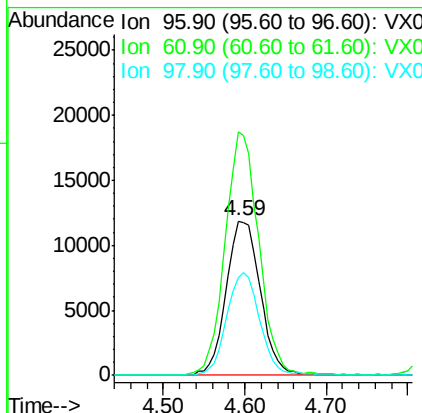
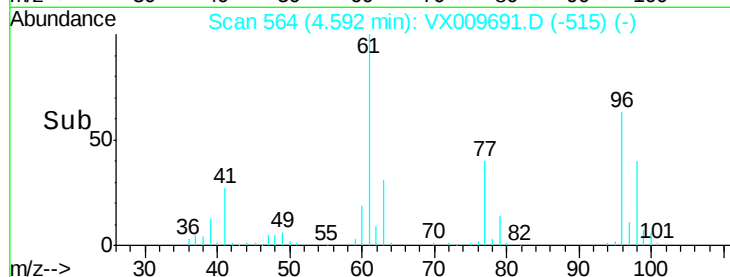
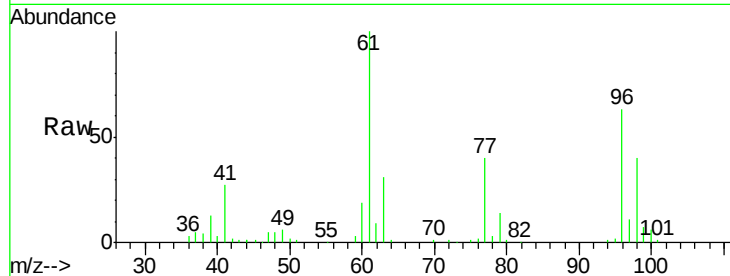
cis-1,2-Dichloroethene
Concen: 20.989 ug/l
RT: 4.59 min Scan# 564
Delta R.T. 0.00 min
Lab File: VX009691.D
Acq: 18 May 2019 03:55

Instrument :
MSVOA_X
ClientSampleId :
VX0517WBS04

Tot Ion	Ratio	Resp	Lower	Upper
96	100	34387		
61	154.4	0.0	324.0	
98	64.3	0.0	130.4	

Manual Integrations
APPROVED

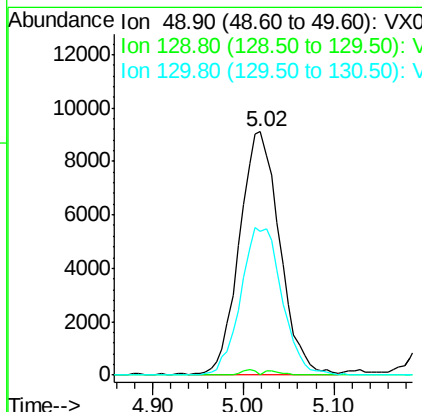
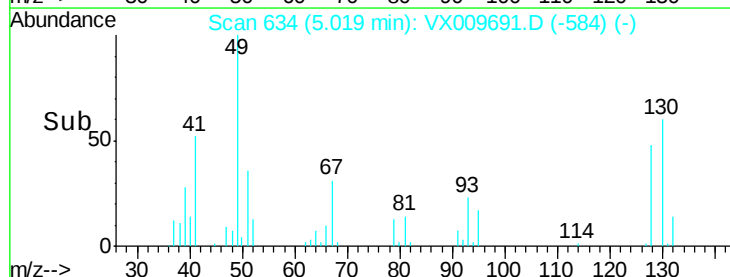
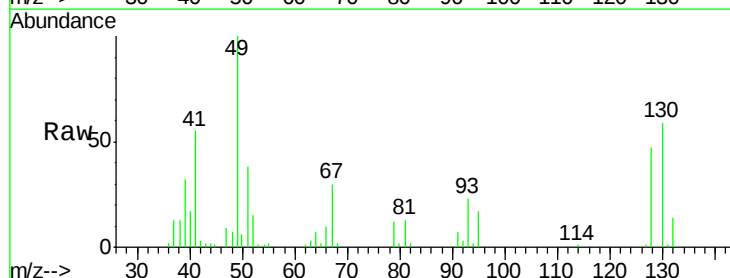
MMDadoda
5/20/2019 11:11:11 AM

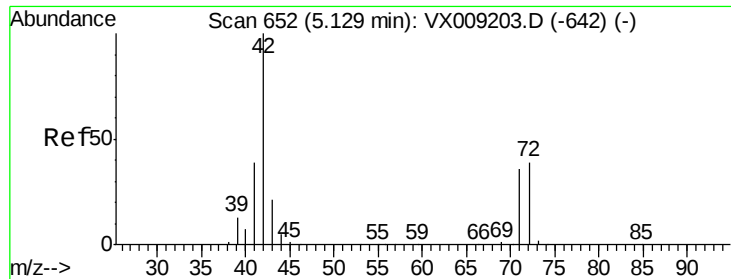


#28

Bromochloromethane
Concen: 22.419 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.01 min
Lab File: VX009691.D
Acq: 18 May 2019 03:55

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	28189		
129	0.7	0.0	3.8	
130	61.8	51.2	76.8	





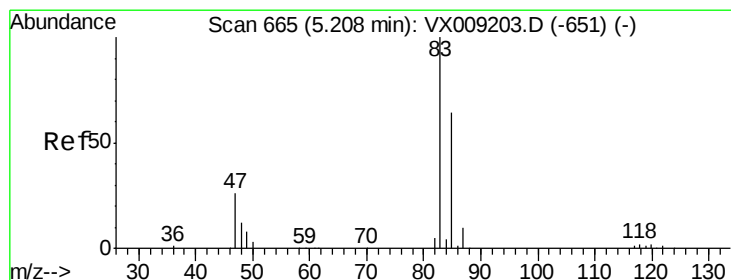
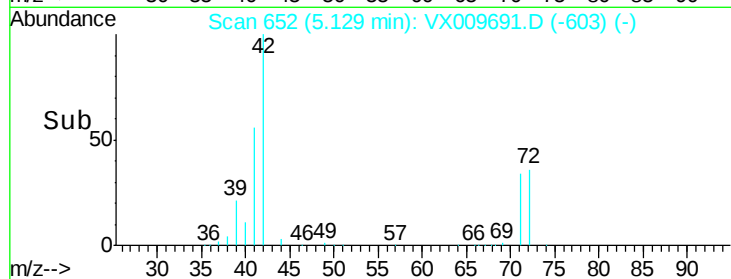
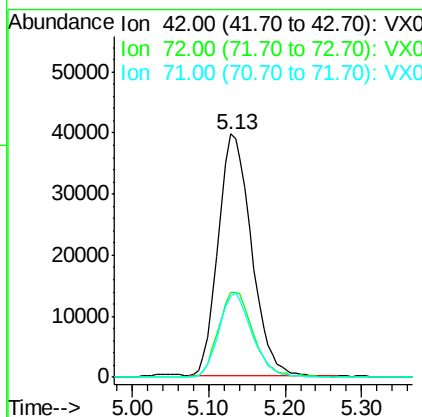
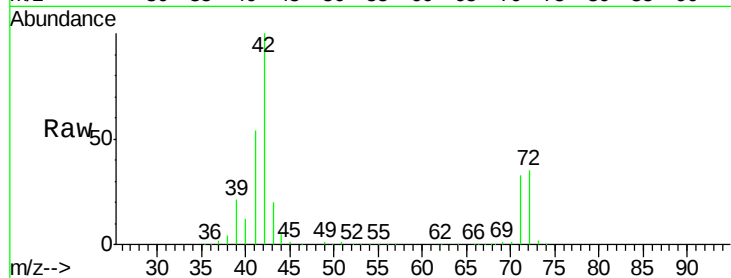
#29
Tetrahydrofuran
Concen: 121.219 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.00 min
Lab File: VX009691.D
Acq: 18 May 2019 03:55

Instrument :
MSVOA_X
ClientSampleId :
VX0517WBS04

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.5	30.4	45.6
71	34.7	28.6	43.0

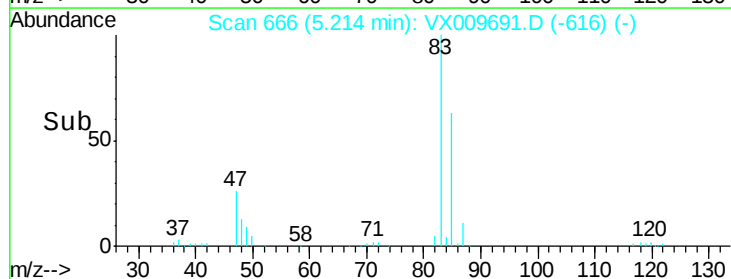
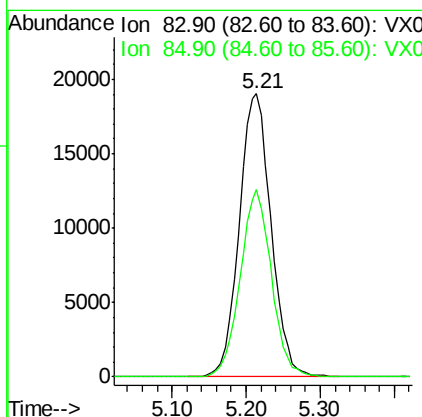
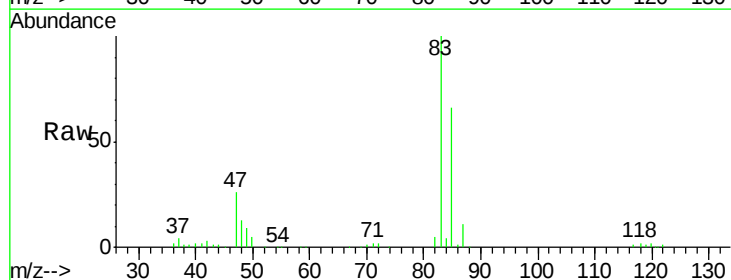
Manual Integrations
APPROVED

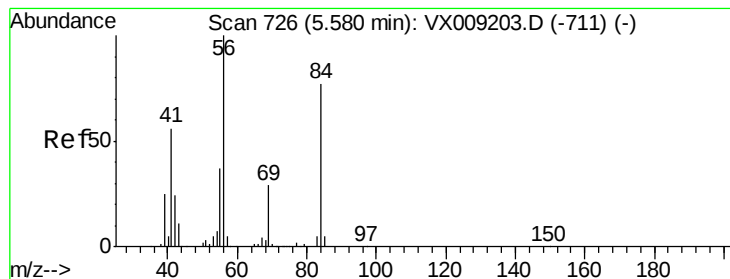
MMDadoda
5/20/2019 11:11:11 AM



#30
Chloroform
Concen: 21.554 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.01 min
Lab File: VX009691.D
Acq: 18 May 2019 03:55

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.1	51.5	77.3





#31

Cyclohexane

Concen: 19.767 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX009691.D

Acq: 18 May 2019 03:55

Instrument :

MSVOA_X

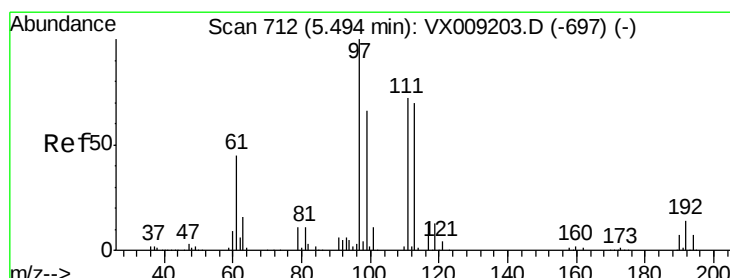
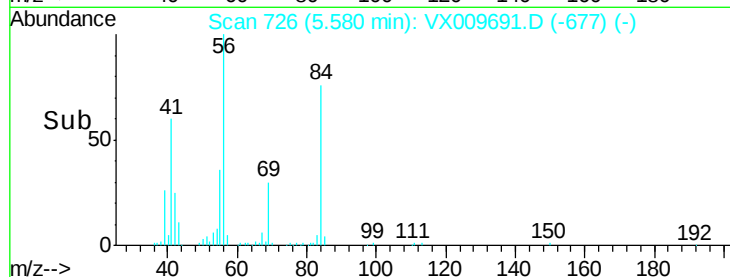
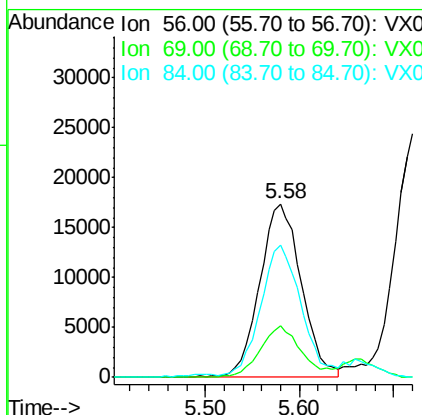
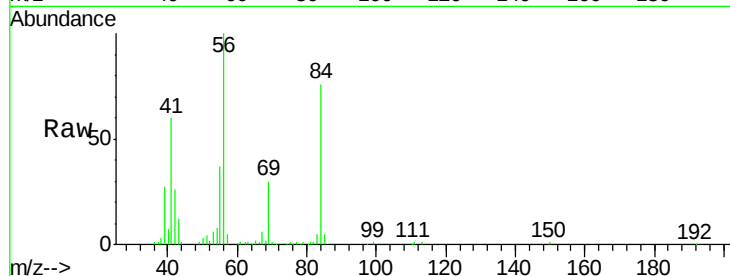
ClientSampleId :

VX0517WBS04

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.0	23.4	35.0
84	74.8	61.9	92.9

Manual Integrations
APPROVED

MMDadoda
5/20/2019 11:11:11 AM



#32

1,1,1-Trichloroethane

Concen: 20.834 ug/l

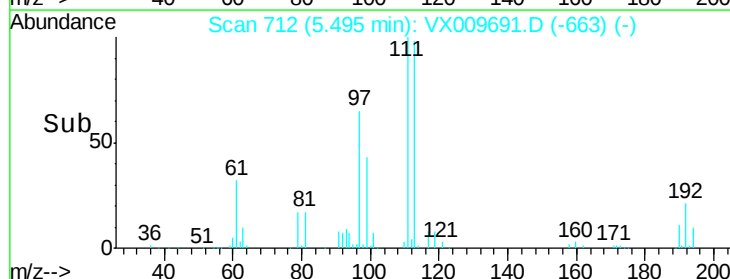
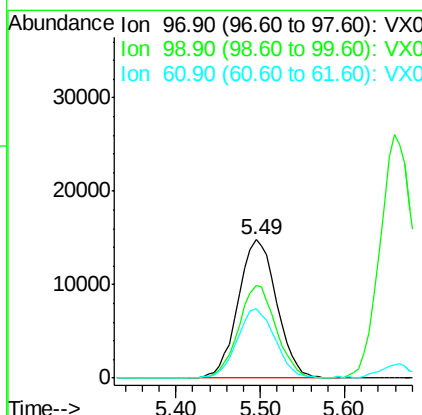
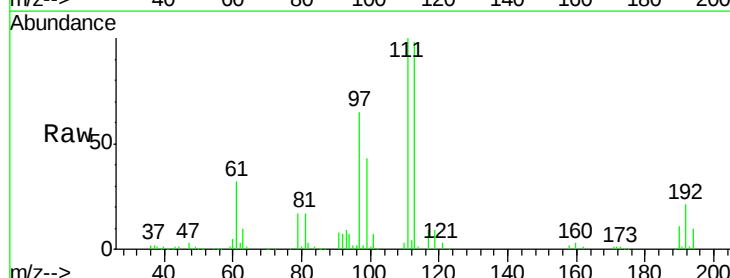
RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX009691.D

Acq: 18 May 2019 03:55

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.5	51.8	77.8
61	49.5	37.8	56.8





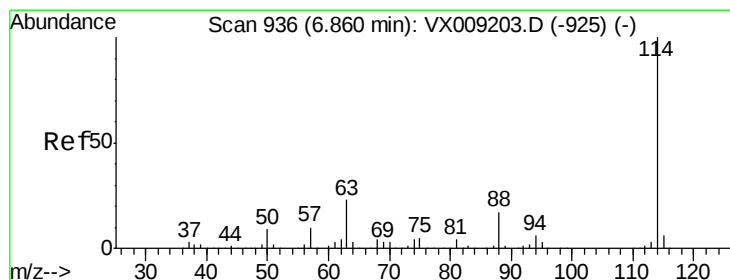
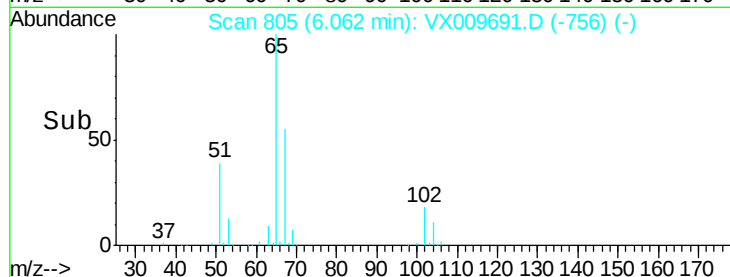
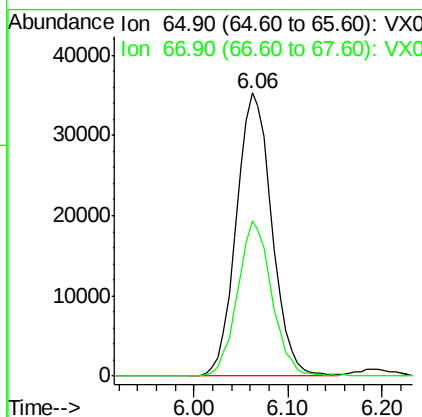
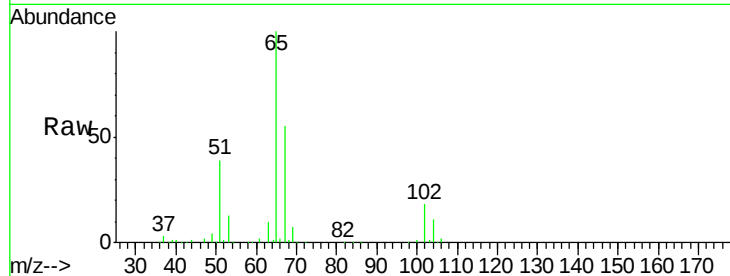
#33
 1,2-Dichloroethane-d4
 Concen: 50.512 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX009691.D
 Acq: 18 May 2019 03:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0517WBS04

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.0	0.0	106.6

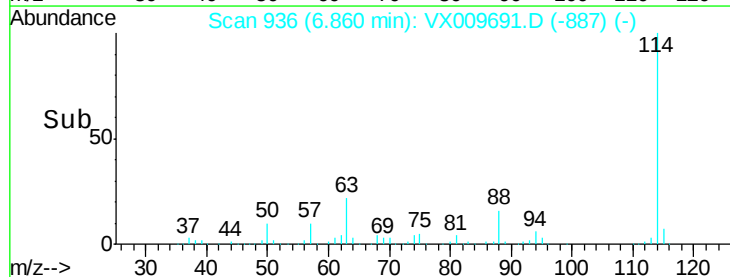
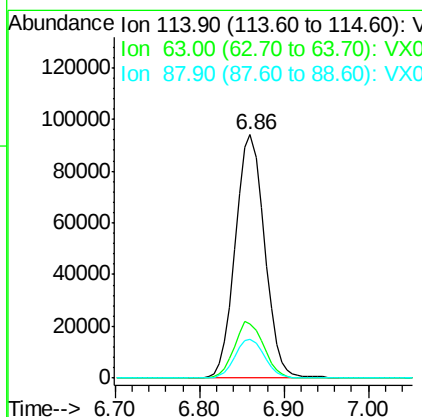
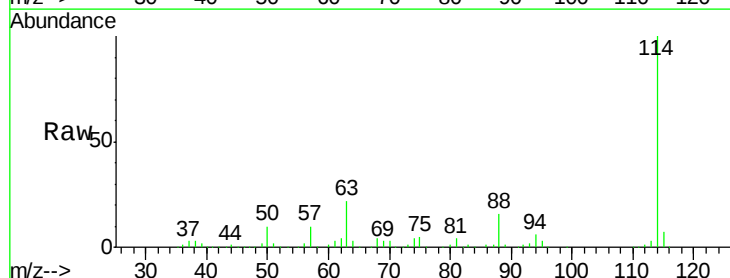
Manual Integrations
 APPROVED

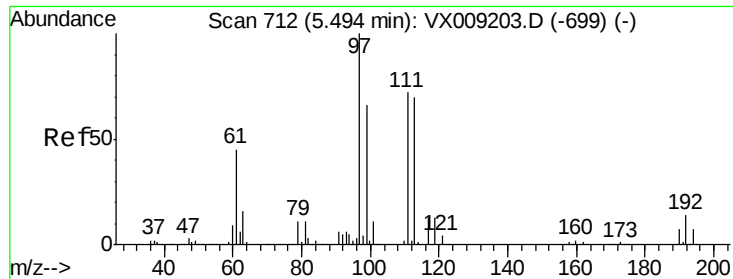
MMDadoda
 5/20/2019 11:11:11 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009691.D
 Acq: 18 May 2019 03:55

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.4	0.0	45.6
88	16.1	0.0	33.2





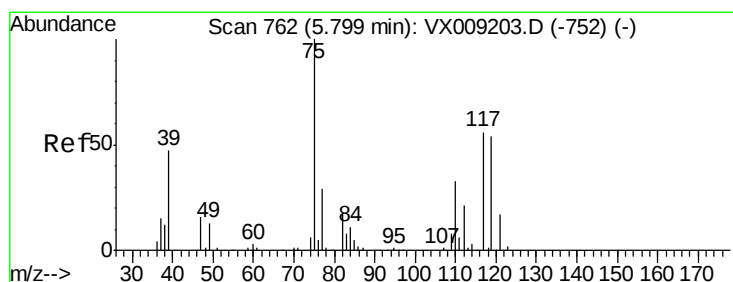
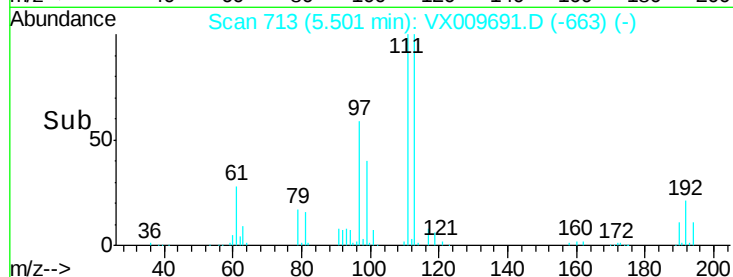
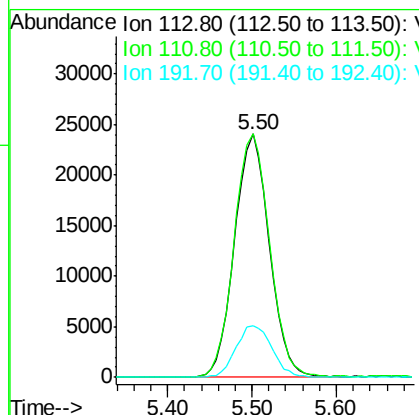
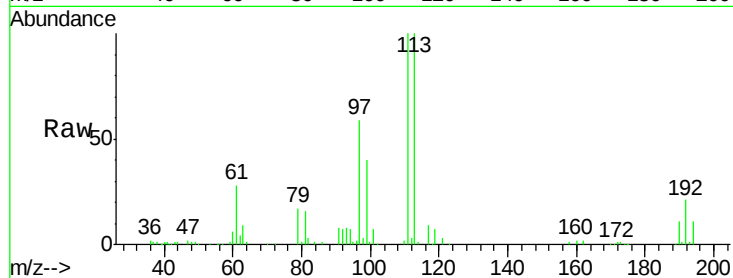
#35
Dibromofluoromethane
Concen: 48.443 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.01 min
Lab File: VX009691.D
Acq: 18 May 2019 03:55

Instrument :
MSVOA_X
ClientSampleId :
VX0517WBS04

Tot Ion:113 Resp: 67344
Ion Ratio Lower Upper
113 100
111 101.9 82.8 124.2
192 21.9 17.0 25.6

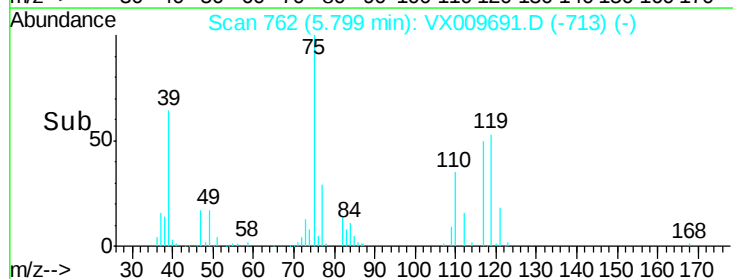
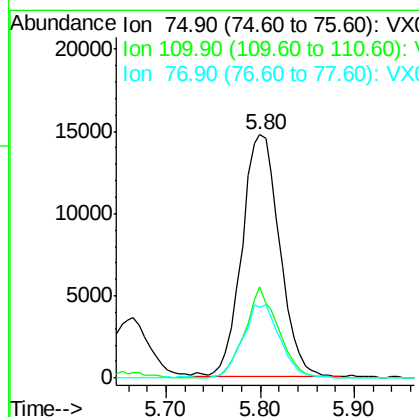
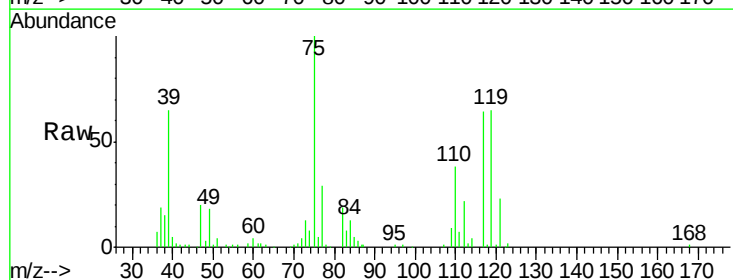
Manual Integrations
APPROVED

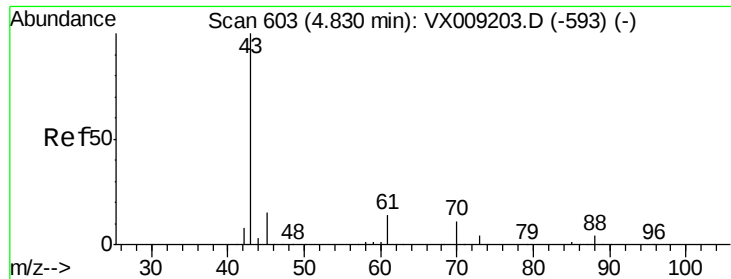
MMDadoda
5/20/2019 11:11:11 AM



#36
1,1-Dichloropropene
Concen: 20.085 ug/l
RT: 5.80 min Scan# 762
Delta R.T. 0.00 min
Lab File: VX009691.D
Acq: 18 May 2019 03:55

Tgt Ion: 75 Resp: 41277
Ion Ratio Lower Upper
75 100
110 33.6 16.9 50.6
77 30.6 24.8 37.2





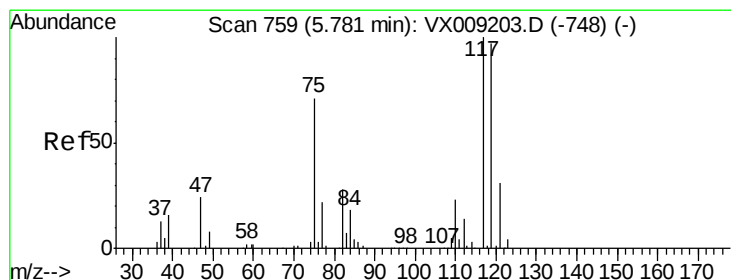
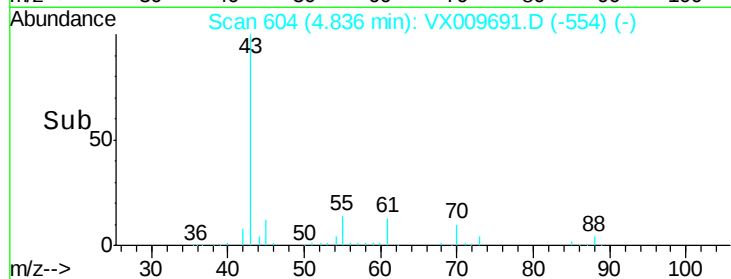
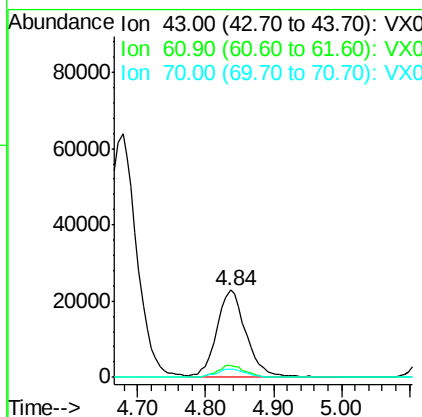
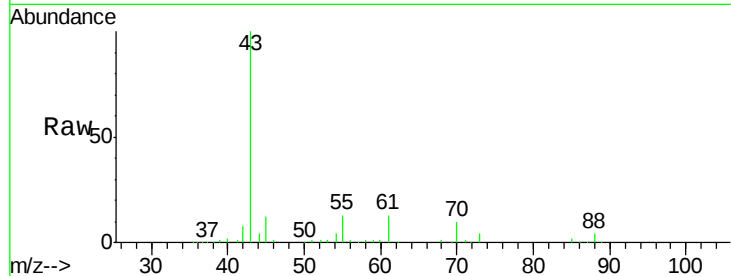
#37
Ethyl Acetate
Concen: 23.382 ug/l
RT: 4.84 min Scan# 604
Delta R.T. 0.01 min
Lab File: VX009691.D
Acq: 18 May 2019 03:55

Instrument :
MSVOA_X
ClientSampleId :
VX0517WBS04

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.5	15.7
70	9.8	7.9	11.9

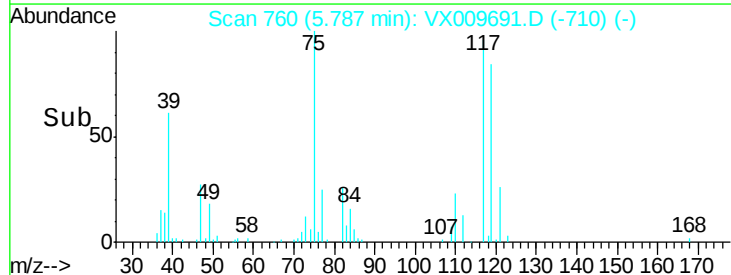
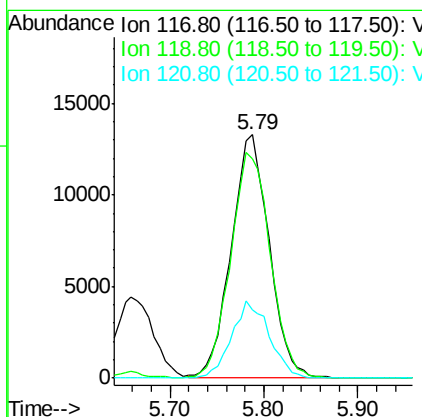
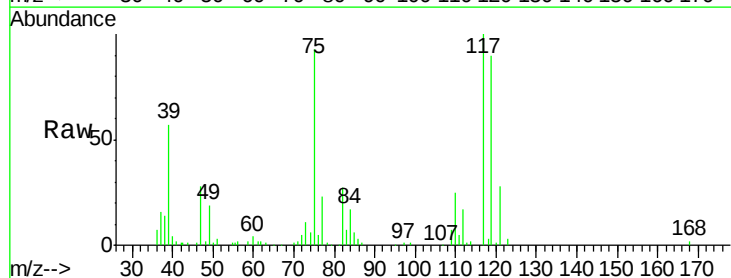
Manual Integrations
APPROVED

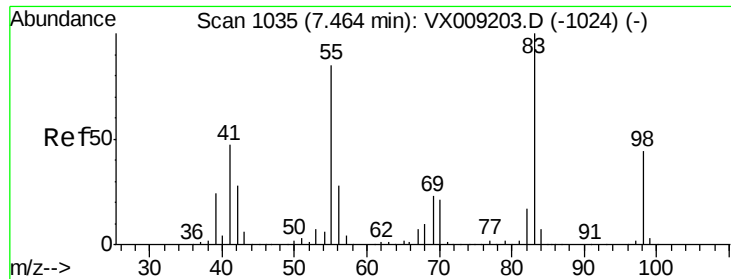
MMDadoda
5/20/2019 11:11:11 AM



#38
Carbon Tetrachloride
Concen: 20.041 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX009691.D
Acq: 18 May 2019 03:55

Tgt Ion	Ratio	Lower	Upper
117	100		
119	90.0	77.5	116.3
121	28.1	24.7	37.1





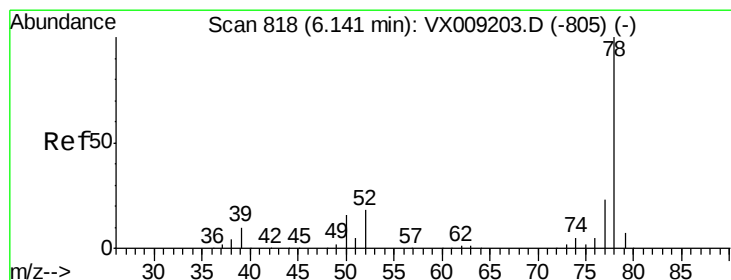
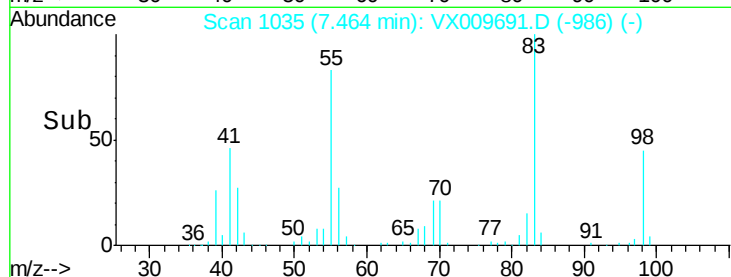
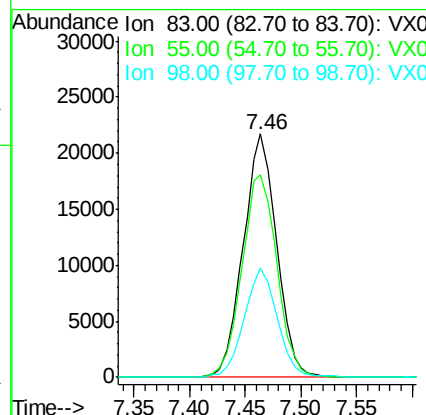
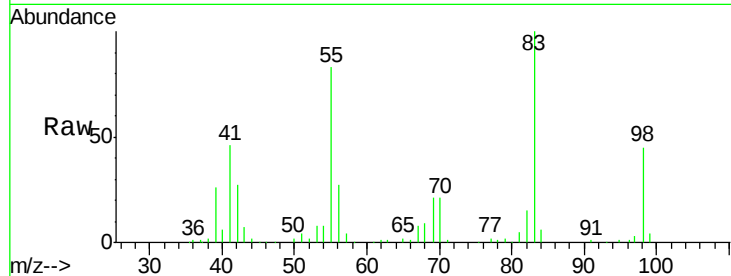
#39
Methvlcvclohexane
Concen: 17.984 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX009691.D
Acq: 18 May 2019 03:55

Instrument :
MSVOA_X
ClientSampleId :
VX0517WBS04

Tot Ion	Ratio	Lower	Upper
83	100		
55	83.1	67.7	101.5
98	44.8	35.5	53.3

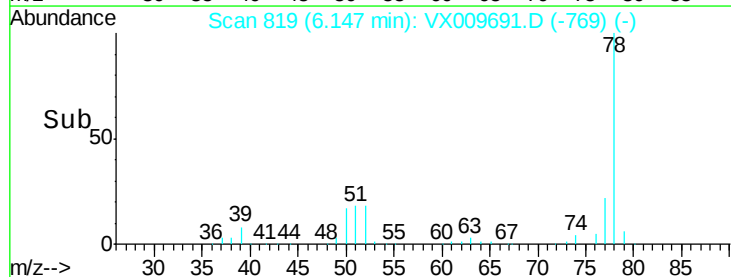
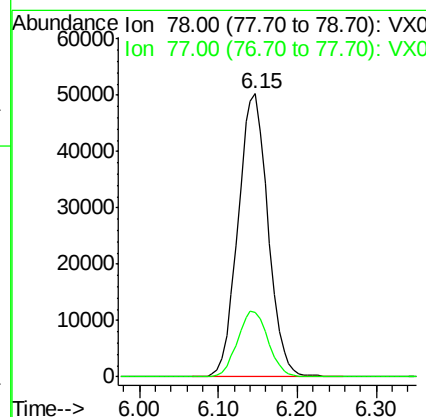
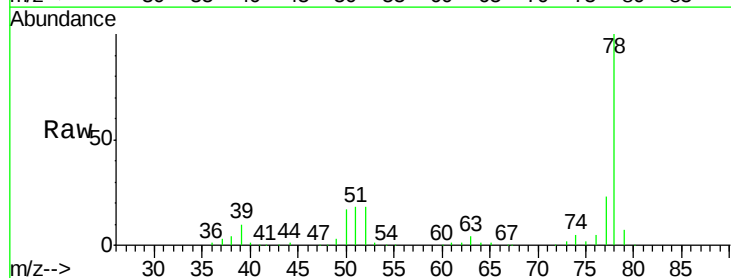
Manual Integrations
APPROVED

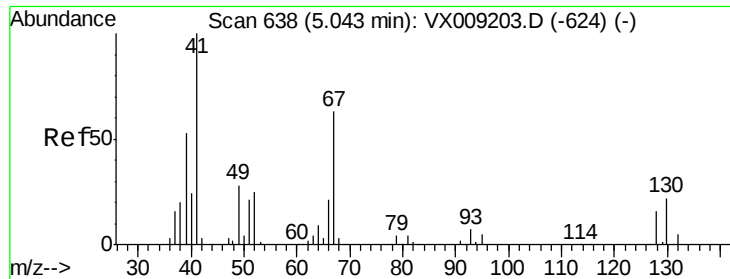
MMDadoda
5/20/2019 11:11:11 AM



#40
Benzene
Concen: 20.899 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX009691.D
Acq: 18 May 2019 03:55

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.7	18.8	28.2





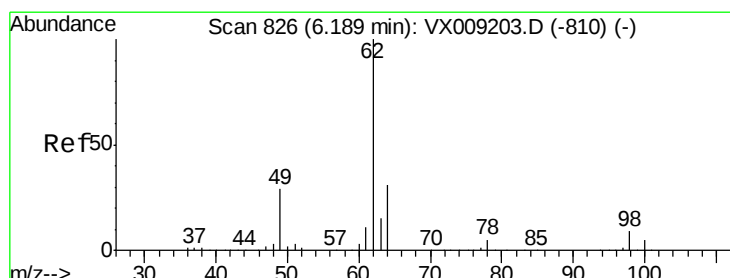
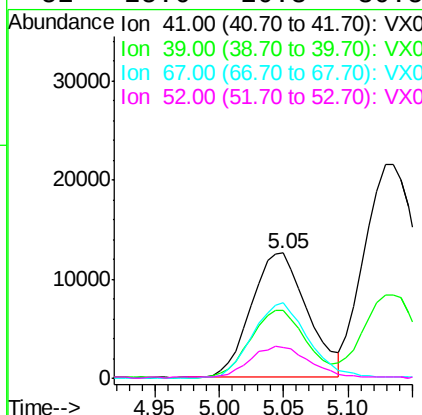
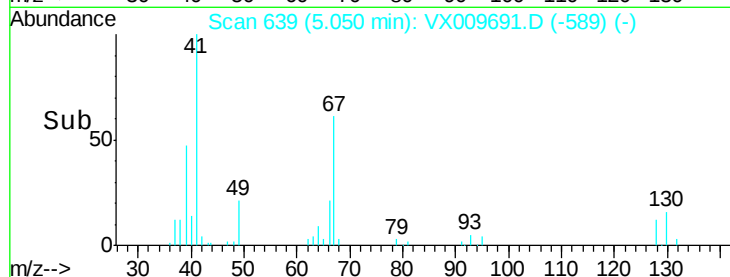
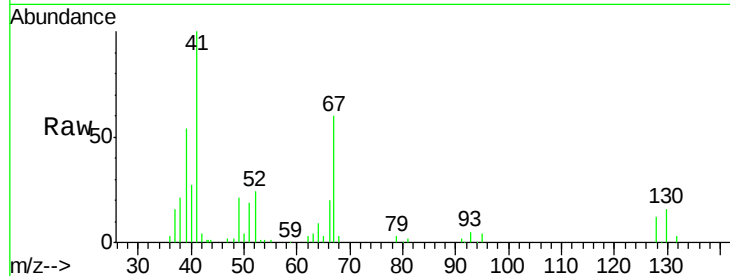
#41
Methacrylonitrile
Concen: 22.424 ug/l
RT: 5.05 min Scan# 639
Delta R.T. 0.01 min
Lab File: VX009691.D
Acq: 18 May 2019 03:55

Instrument :
MSVOA_X
ClientSampleId :
VX0517WBS04

Tot Ion	Ion	Ratio	Lower	Upper
38221	41	100		
	39	54.1	42.0	63.0
	67	60.5	49.8	74.8
	52	25.6	20.3	30.5

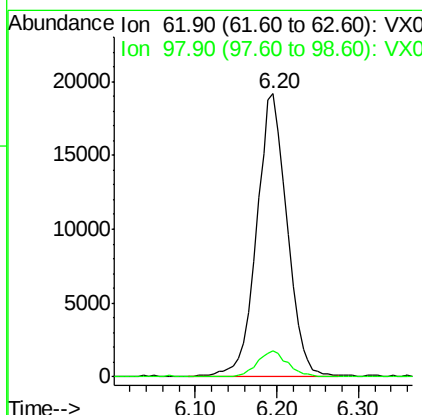
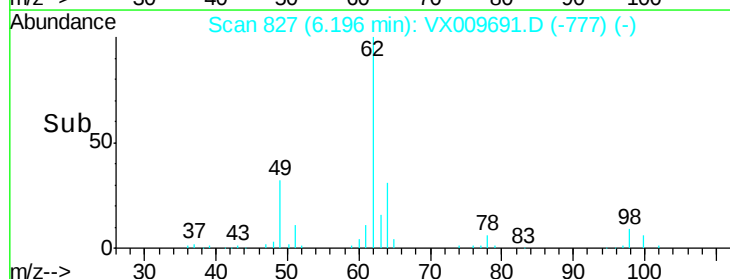
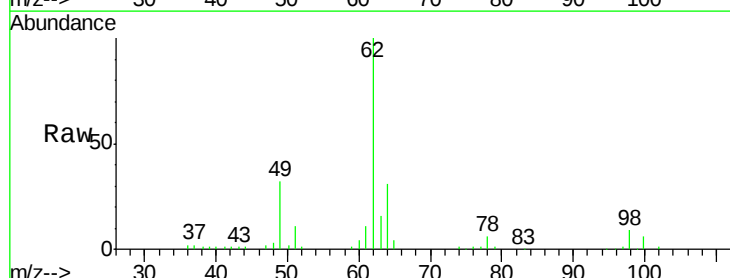
Manual Integrations
APPROVED

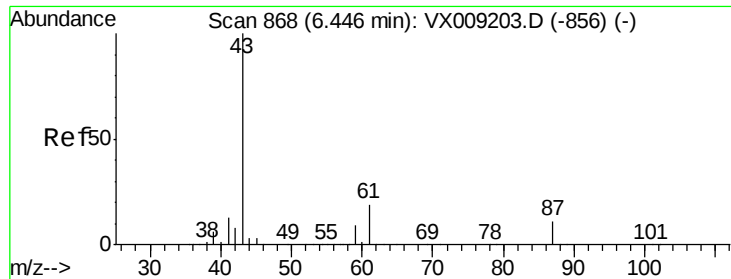
MMDadoda
5/20/2019 11:11:11 AM



#42
1,2-Dichloroethane
Concen: 21.947 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.01 min
Lab File: VX009691.D
Acq: 18 May 2019 03:55

Tgt Ion	Ion	Ratio	Lower	Upper
50072	62	100		
	98	9.1	0.0	18.2





#43

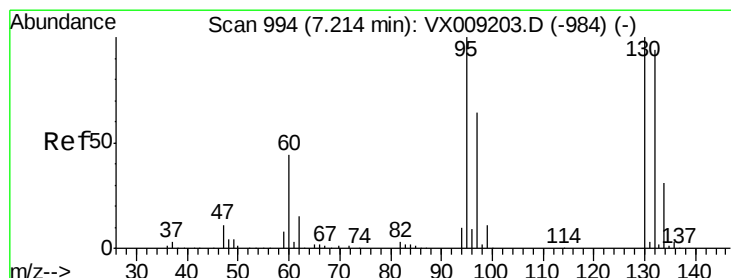
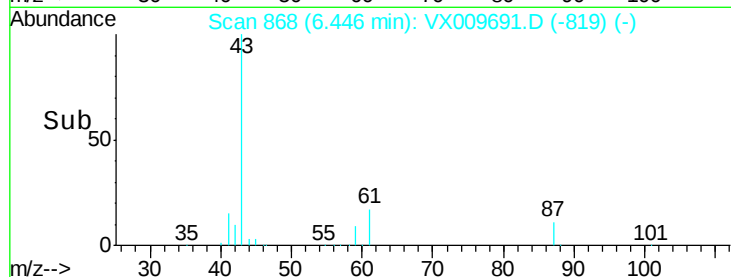
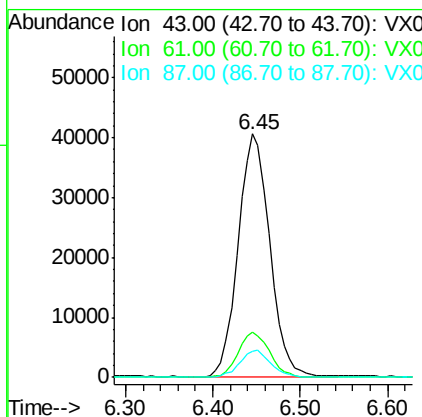
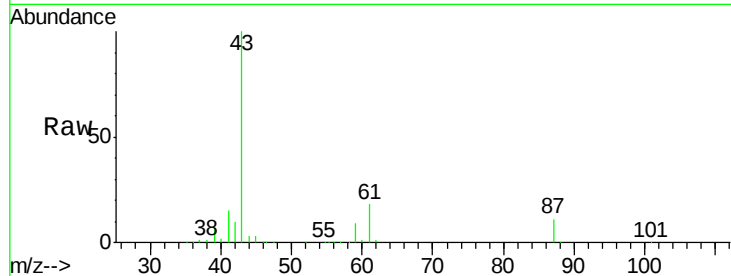
Isopropyl Acetate
 Concen: 22.204 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. 0.00 min
 Lab File: VX009691.D
 Acq: 18 May 2019 03:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0517WBS04

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.8	15.1	22.7
87	10.8	9.0	13.6

Manual Integrations
 APPROVED

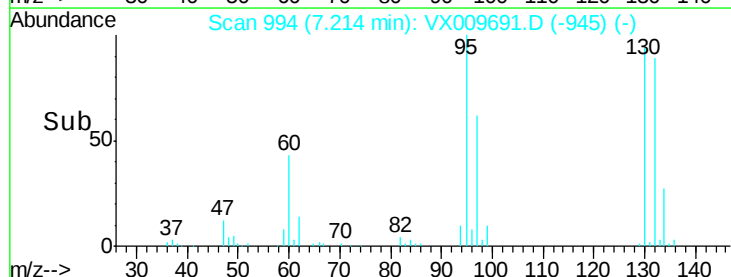
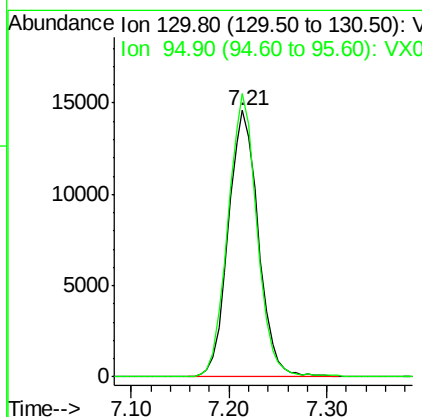
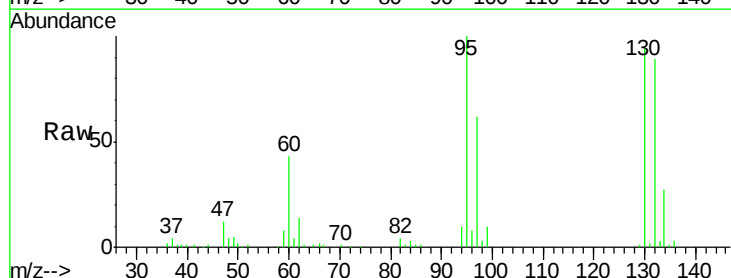
MMDadoda
 5/20/2019 11:11:11 AM

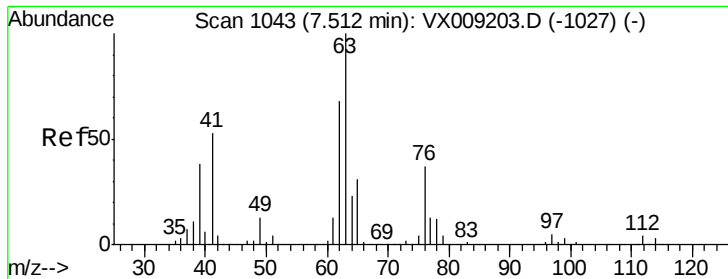


#44

Trichloroethene
 Concen: 20.213 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX009691.D
 Acq: 18 May 2019 03:55

Tgt Ion	Ratio	Lower	Upper
130	100		
95	106.3	0.0	199.2





#45

1,2-Dichloropropane

Concen: 21.229 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX009691.D

Acq: 18 May 2019 03:55

Instrument :

MSVOA_X

ClientSampleId :

VX0517WBS04

Tot Ion: 63 Resp: 38232

Ion Ratio Lower Upper

63 100

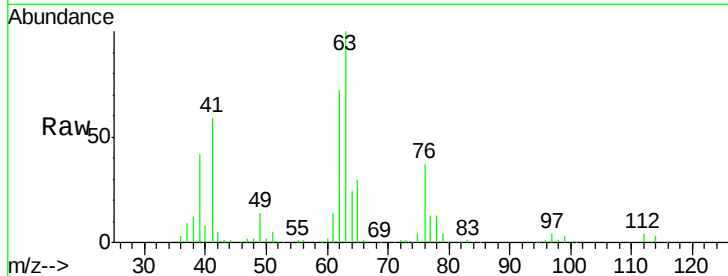
65 30.0 25.0 37.6

Manual Integrations

APPROVED

MMDadoda

5/20/2019 11:11:11 AM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.51

20000

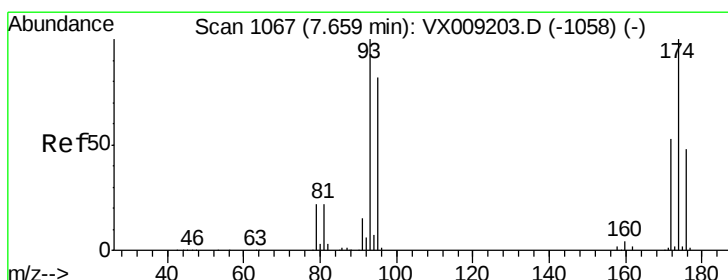
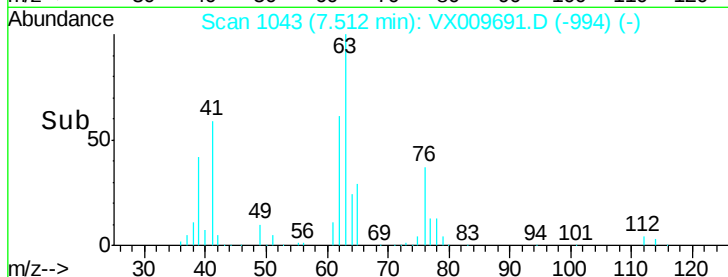
15000

10000

5000

0

Time-->



#46

Dibromomethane

Concen: 21.115 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX009691.D

Acq: 18 May 2019 03:55

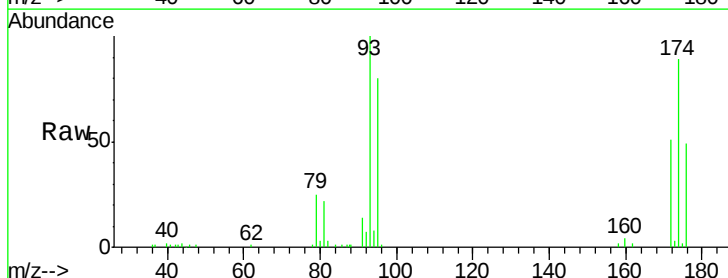
Tgt Ion: 93 Resp: 22082

Ion Ratio Lower Upper

93 100

95 82.5 66.5 99.7

174 101.9 82.1 123.1



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

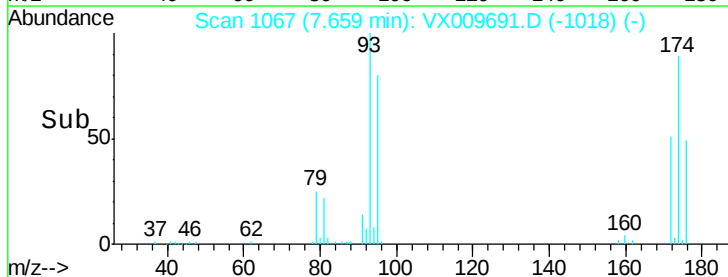
15000

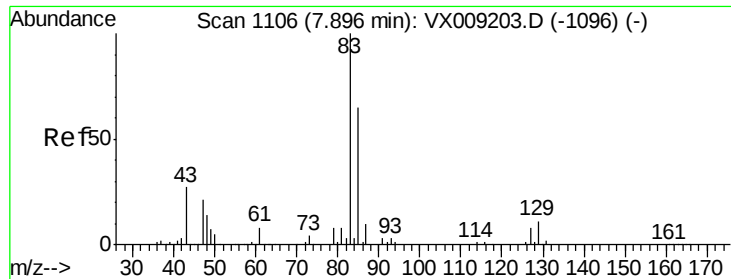
10000

5000

0

Time-->





#47

Bromodichloromethane

Concen: 20.854 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX009691.D

Acq: 18 May 2019 03:55

Instrument :

MSVOA_X

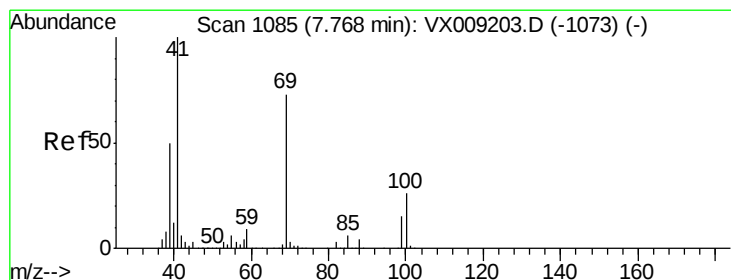
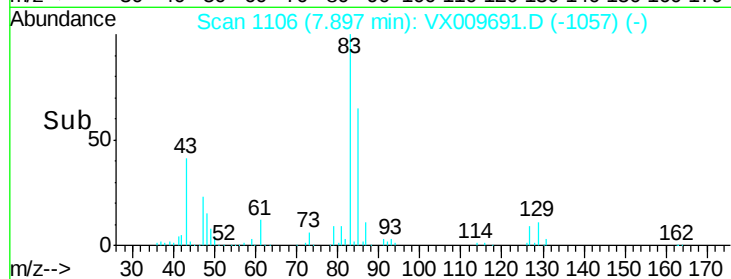
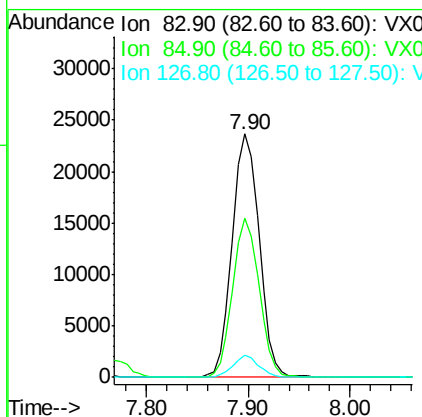
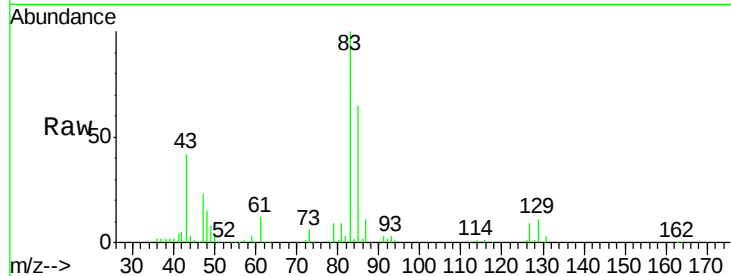
ClientSampleId :

VX0517WBS04

Tot Ion:	83	Resp:	43505
Ion	Ratio	Lower	Upper
83	100		
85	65.3	52.4	78.6
127	8.9	6.6	10.0

Manual Integrations
APPROVED

MMDadoda
5/20/2019 11:11:11 AM



#48

Methyl methacrylate

Concen: 22.639 ug/l

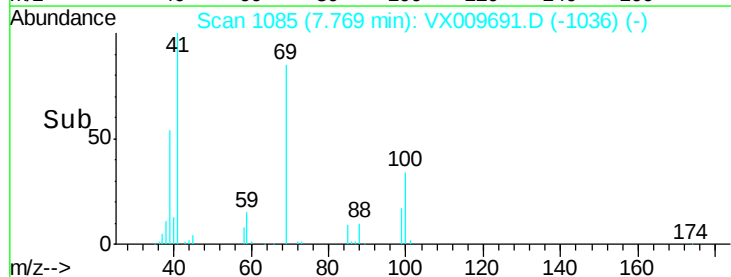
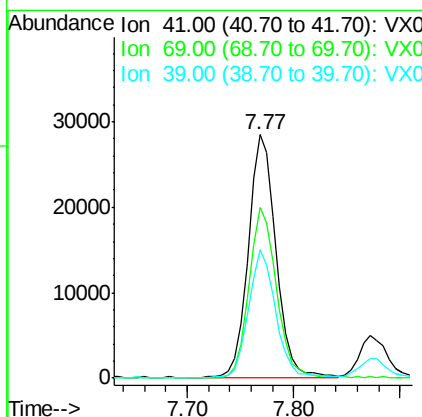
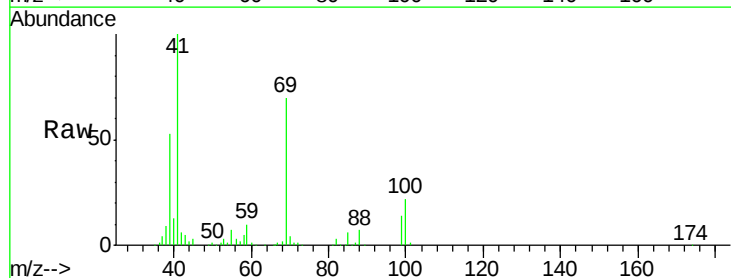
RT: 7.77 min Scan# 1085

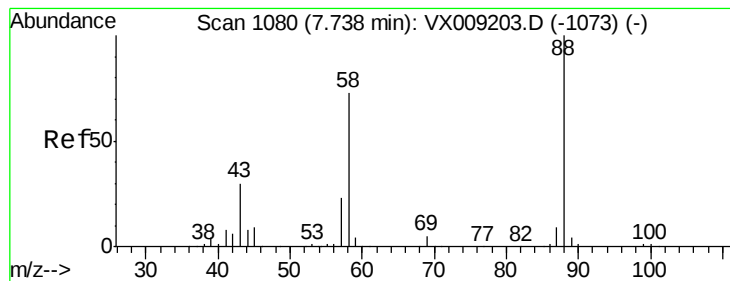
Delta R.T. 0.00 min

Lab File: VX009691.D

Acq: 18 May 2019 03:55

Tgt Ion:	41	Resp:	51443
Ion	Ratio	Lower	Upper
41	100		
69	71.1	59.1	88.7
39	53.2	40.4	60.6





#49

1,4-Dioxane

Concen: 477.868 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. 0.00 min

Lab File: VX009691.D

Acq: 18 May 2019 03:55

Instrument :

MSVOA_X

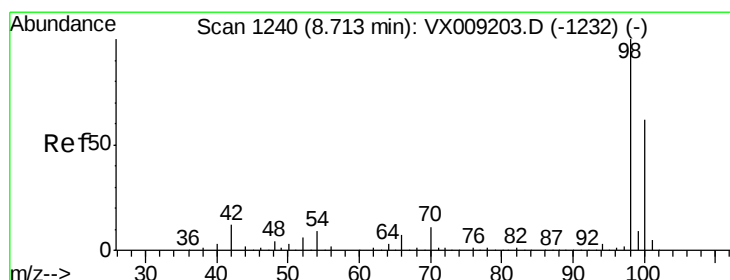
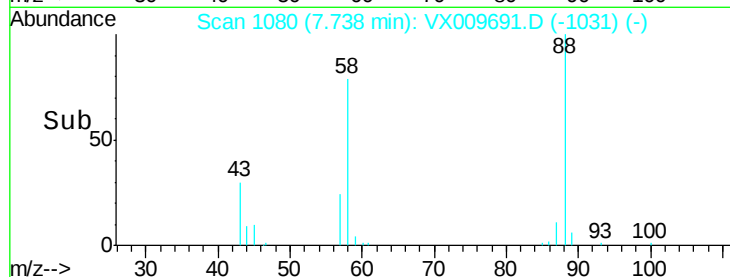
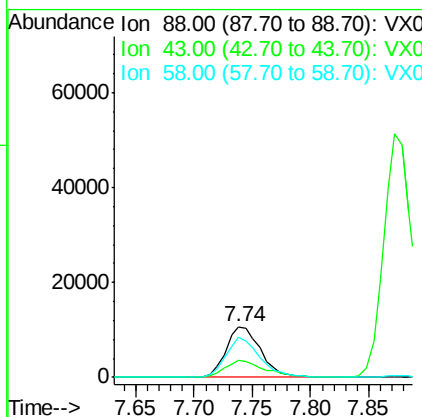
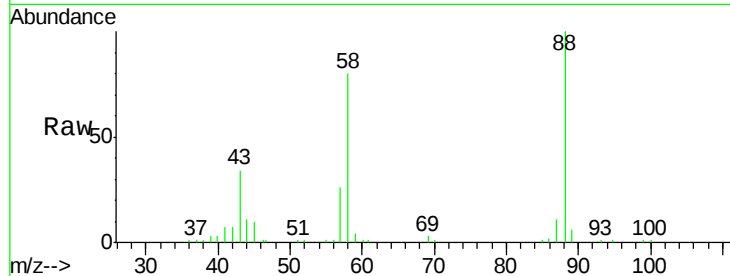
ClientSampleId :

VX0517WBS04

Tot Ion:	88	Resp:	22021
Ion	Ratio	Lower	Upper
88	100		
43	37.1	28.6	42.8
58	78.0	61.7	92.5

Manual Integrations
APPROVED

MMDadoda
5/20/2019 11:11:11 AM



#50

Toluene-d8

Concen: 46.589 ug/l

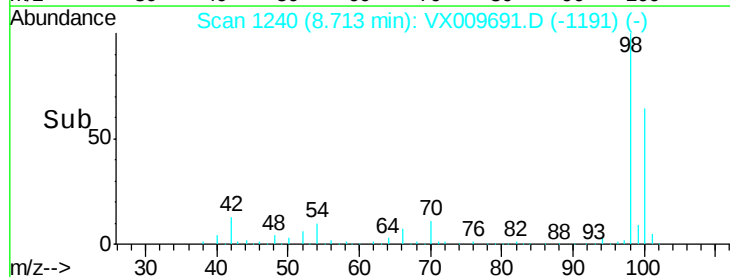
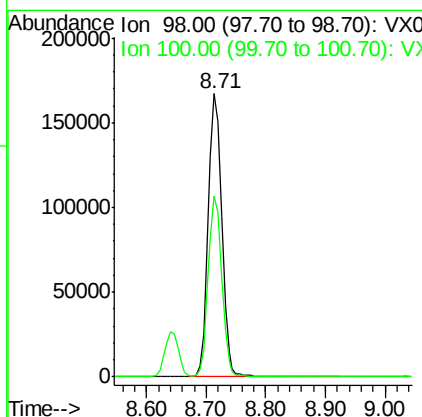
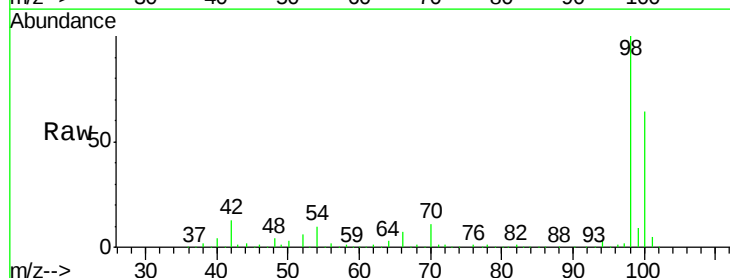
RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX009691.D

Acq: 18 May 2019 03:55

Tgt Ion:	98	Resp:	261479
Ion	Ratio	Lower	Upper
98	100		
100	63.4	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 118.883 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX009691.D

Acq: 18 May 2019 03:55

Instrument :

MSVOA_X

ClientSampleID :

VX0517WBS04

Tot Ion: 43 Resp: 355893

Ion Ratio Lower Upper

43 100

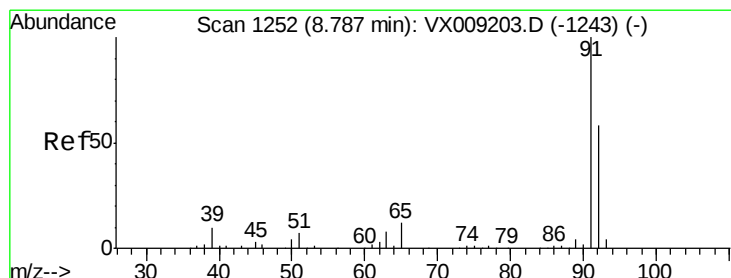
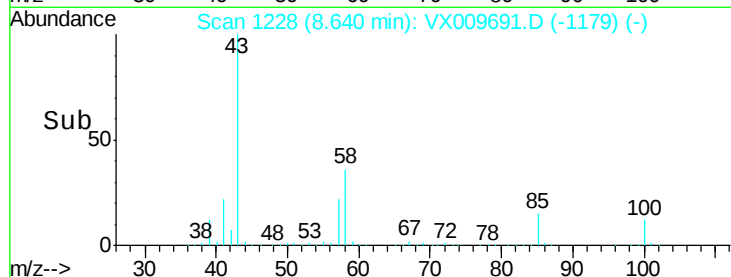
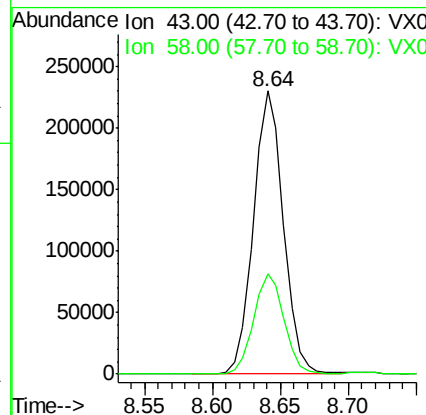
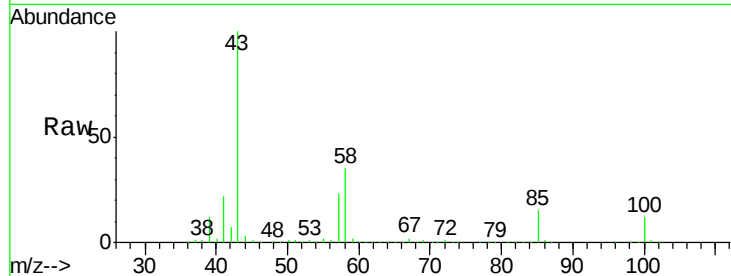
58 36.0 29.5 44.3

Manual Integrations

APPROVED

MMDadoda

5/20/2019 11:11:11 AM



#52

Toluene

Concen: 20.876 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX009691.D

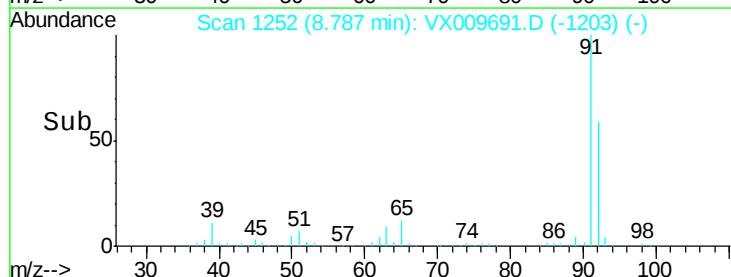
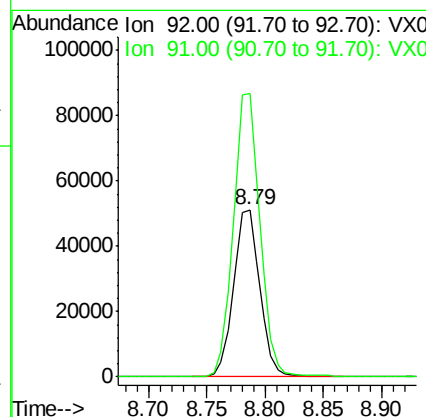
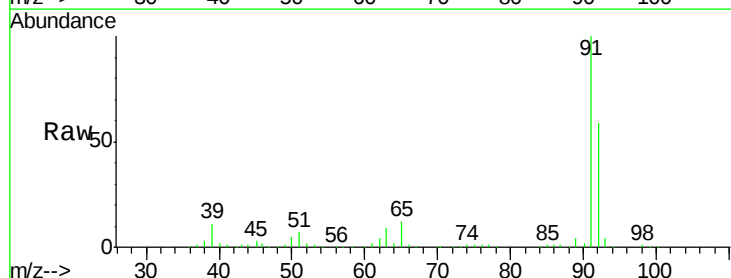
Acq: 18 May 2019 03:55

Tgt Ion: 92 Resp: 80711

Ion Ratio Lower Upper

92 100

91 171.5 138.8 208.2





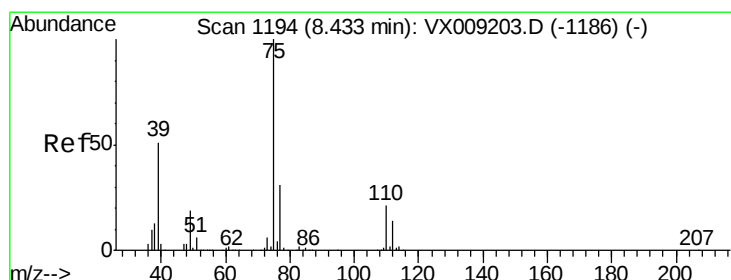
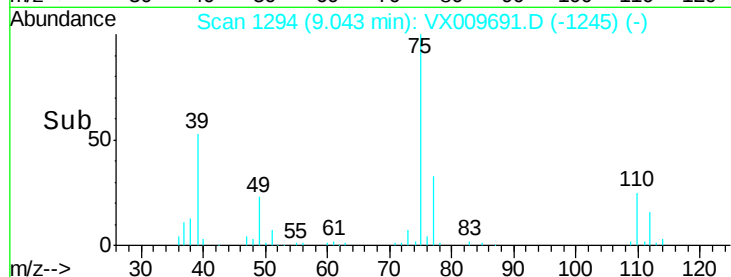
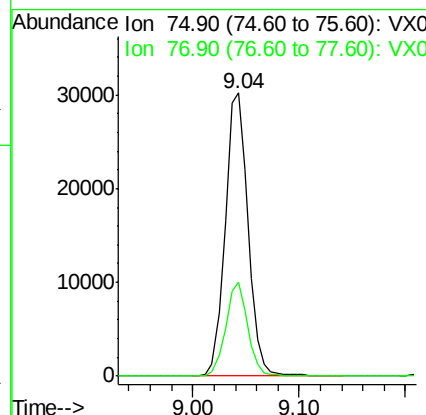
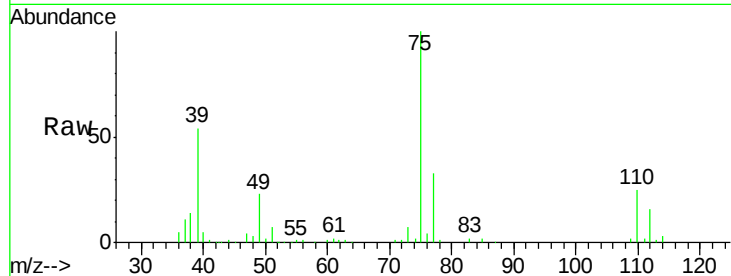
#53
t-1,3-Dichloropropene
Concen: 19.234 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX009691.D
Acq: 18 May 2019 03:55

Instrument :
MSVOA_X
ClientSampleId :
VX0517WBS04

Tot Ion: 75 Resp: 45301
Ion Ratio Lower Upper
75 100
77 33.2 25.0 37.6

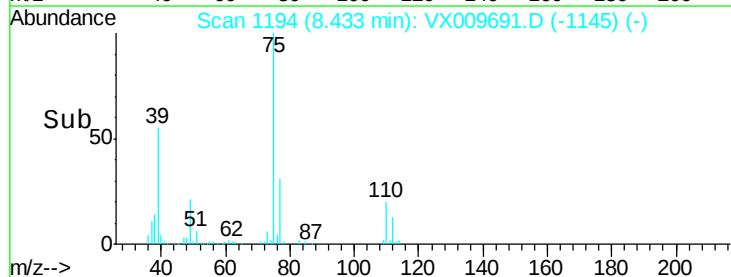
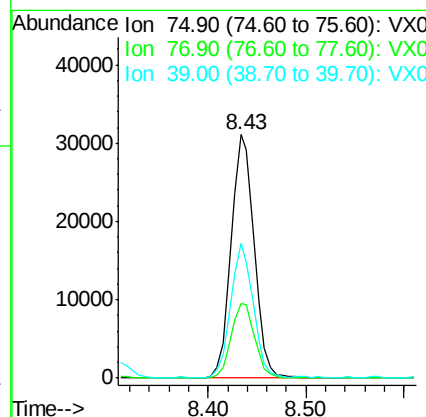
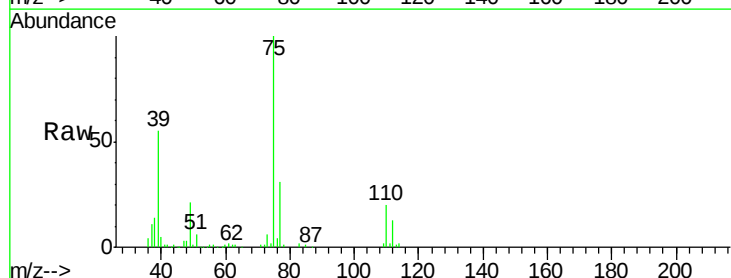
Manual Integrations
APPROVED

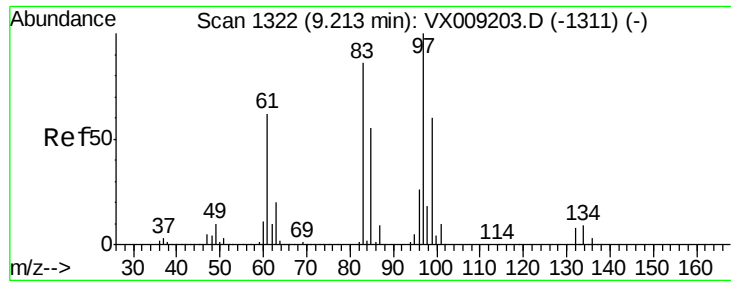
MMDadoda
5/20/2019 11:11:11 AM



#54
cis-1,3-Dichloropropene
Concen: 19.476 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX009691.D
Acq: 18 May 2019 03:55

Tgt Ion: 75 Resp: 50772
Ion Ratio Lower Upper
75 100
77 30.8 24.6 36.8
39 54.8 40.6 60.8





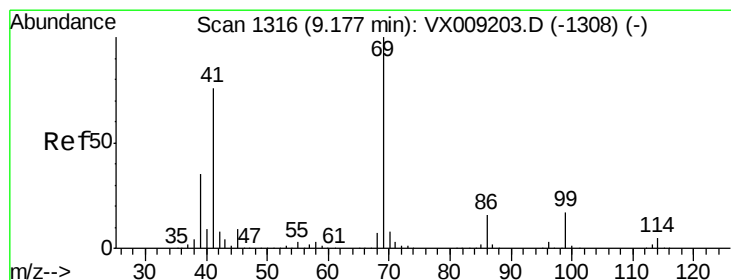
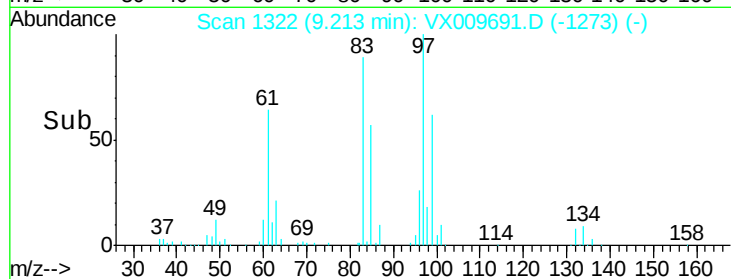
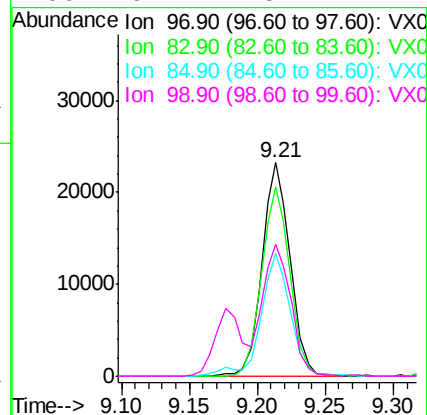
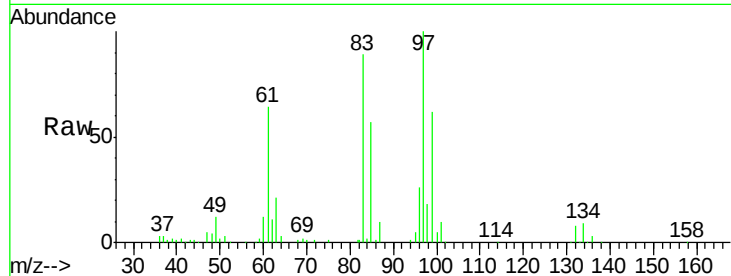
#55
 1,1,2-Trichloroethane
 Concen: 21.309 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX009691.D
 Acq: 18 May 2019 03:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0517WBS04

Tot Ion:	97	Resp:	33611
Ion Ratio	Lower	Upper	
97	100		
83	88.6	68.9	103.3
85	57.2	43.8	65.6
99	61.7	48.2	72.2

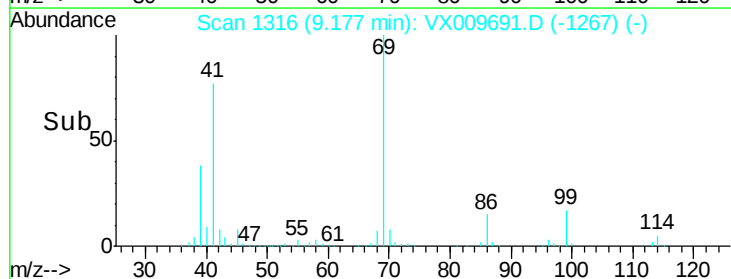
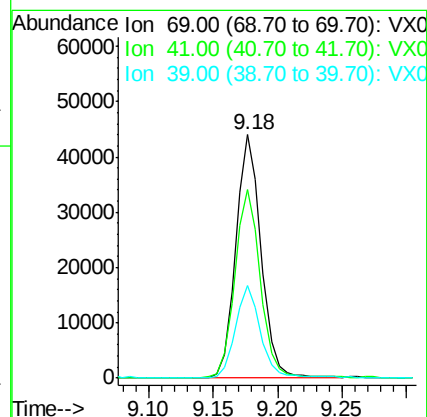
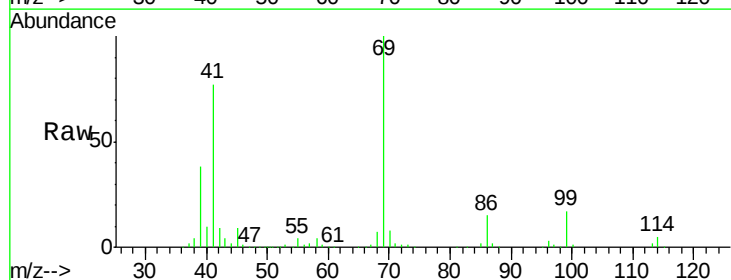
Manual Integrations
 APPROVED

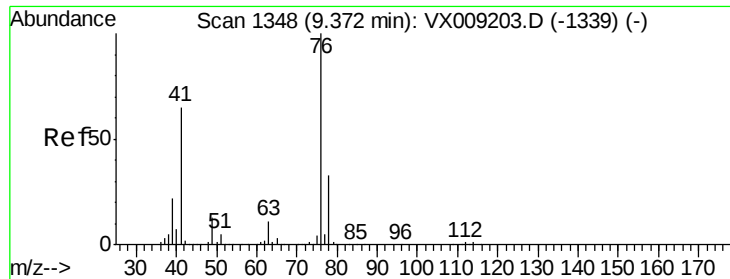
MMDadoda
 5/20/2019 11:11:11 AM



#56
 Ethyl methacrylate
 Concen: 21.404 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX009691.D
 Acq: 18 May 2019 03:55

Tgt Ion:	69	Resp:	60265
Ion Ratio	Lower	Upper	
69	100		
41	78.2	60.6	90.8
39	37.4	28.2	42.4





#57

1,3-Dichloropropane

Concen: 21.513 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX009691.D

Acq: 18 May 2019 03:55

Instrument :

MSVOA_X

ClientSampleId :

VX0517WBS04

Tot Ion: 76 Resp: 59712

Ion Ratio Lower Upper

76 100

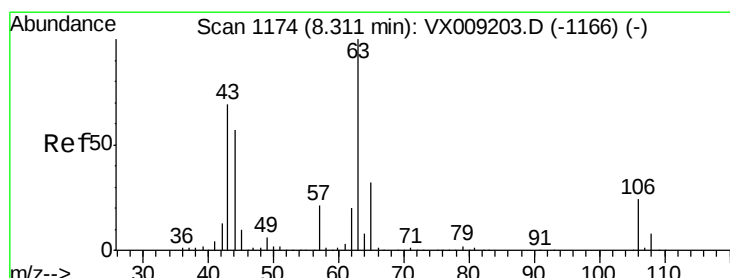
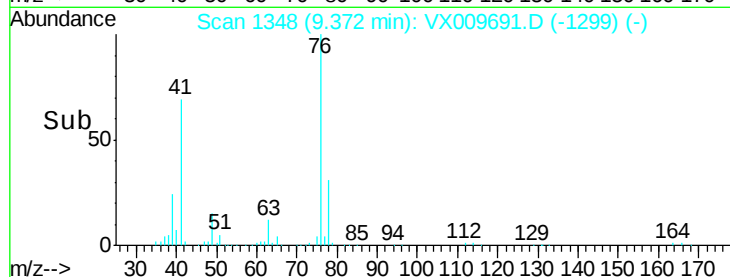
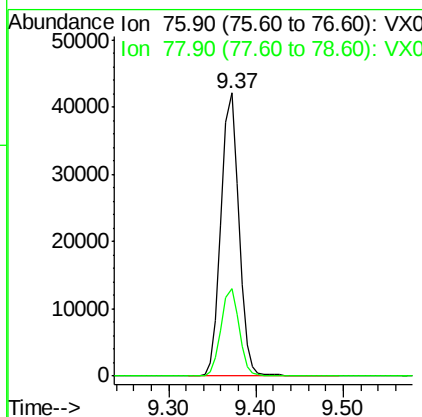
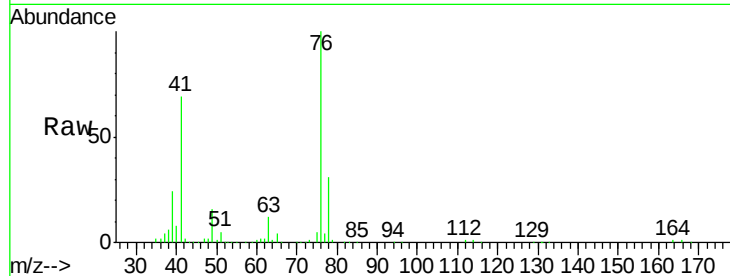
78 31.4 25.5 38.3

Manual Integrations

APPROVED

MMDadoda

5/20/2019 11:11:11 AM



#58

2-Chloroethyl Vinyl ether

Concen: 89.381 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX009691.D

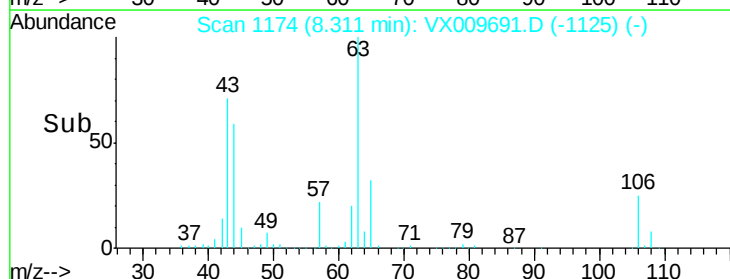
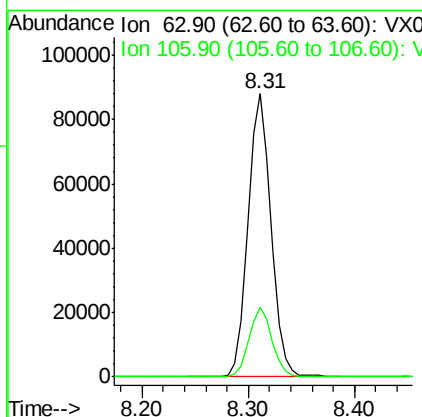
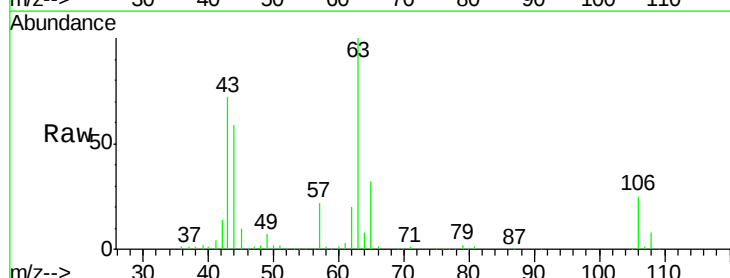
Acq: 18 May 2019 03:55

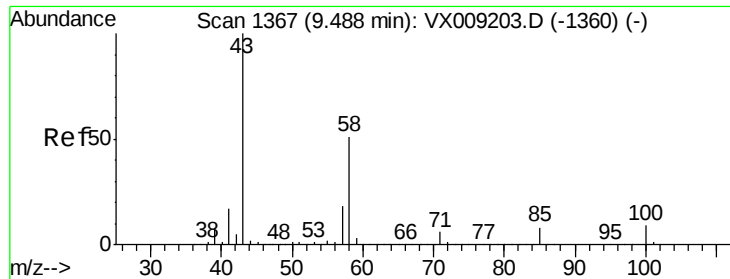
Tgt Ion: 63 Resp: 133503

Ion Ratio Lower Upper

63 100

106 24.4 19.7 29.5





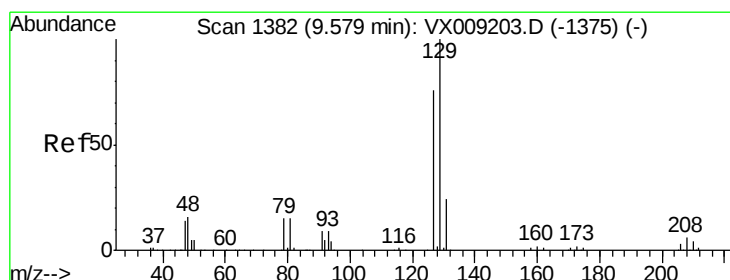
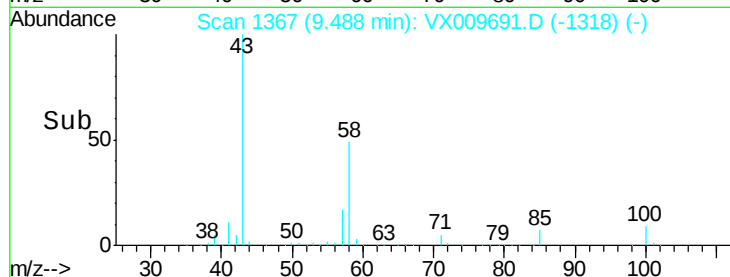
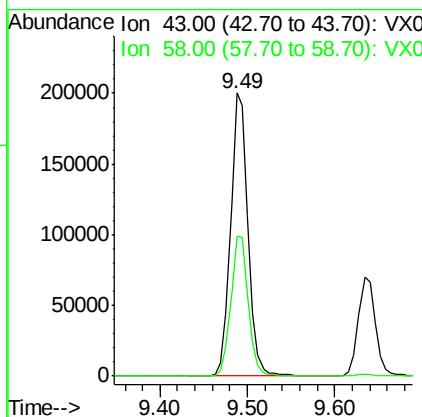
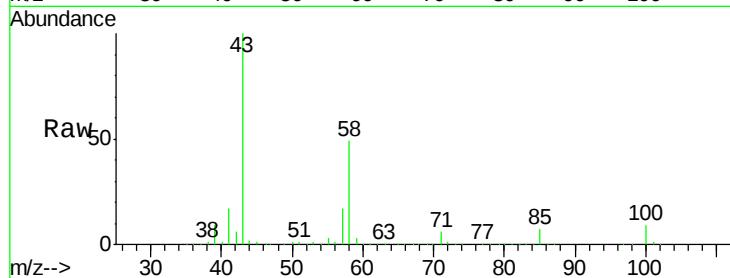
#59
2-Hexanone
Concen: 118.023 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX009691.D
Acq: 18 May 2019 03:55

Instrument :
MSVOA_X
ClientSampleId :
VX0517WBS04

Tot Ion: 43 Resp: 277493
Ion Ratio Lower Upper
43 100
58 50.2 25.9 77.7

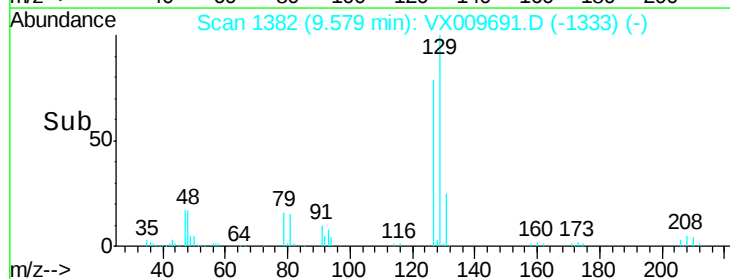
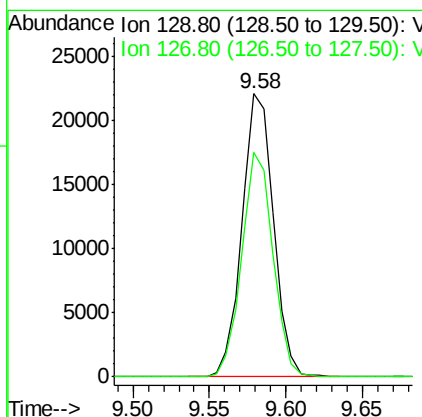
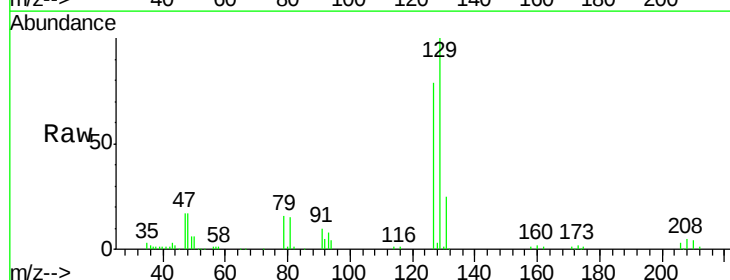
Manual Integrations
APPROVED

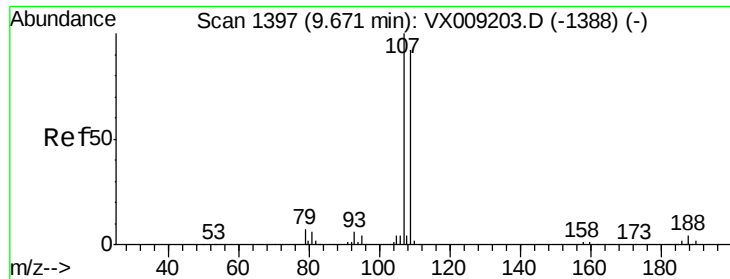
MMDadoda
5/20/2019 11:11:11 AM



#60
Dibromochloromethane
Concen: 20.494 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX009691.D
Acq: 18 May 2019 03:55

Tgt Ion: 129 Resp: 31571
Ion Ratio Lower Upper
129 100
127 78.6 38.4 115.1





#61

1,2-Dibromoethane

Concen: 21.696 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX009691.D

Acq: 18 May 2019 03:55

Instrument :

MSVOA_X

ClientSampleId :

VX0517WBS04

Tot Ion:107 Resp: 34543

Ion Ratio Lower Upper

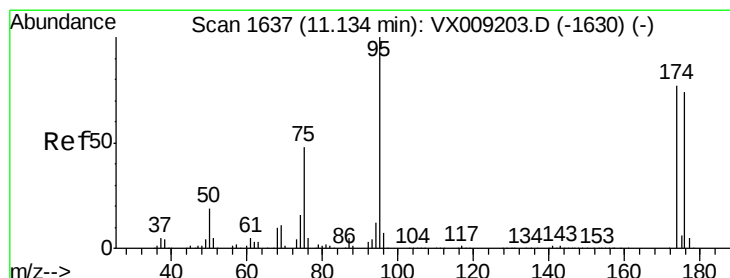
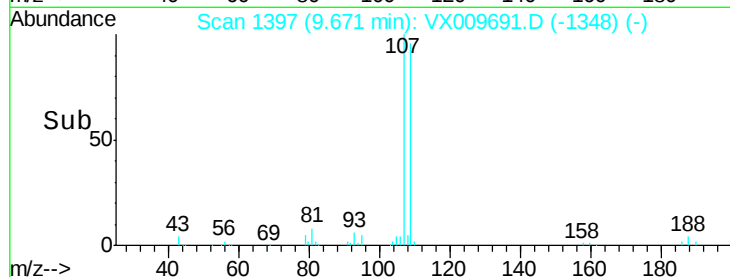
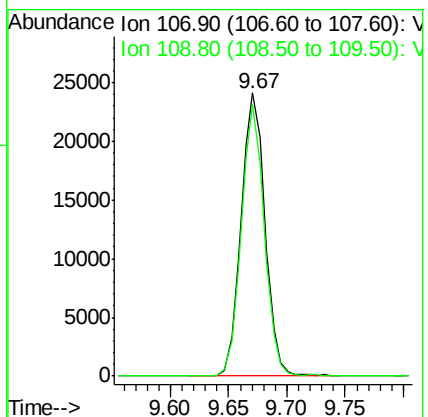
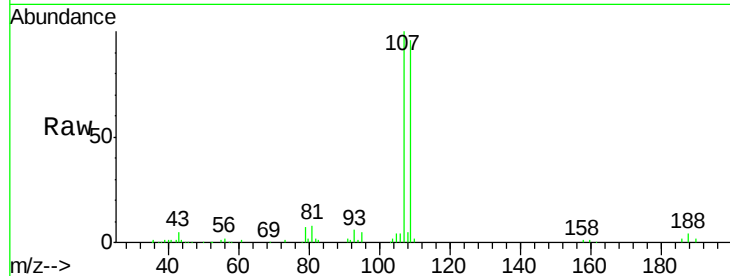
107 100

109 92.8 75.2 112.8

Manual Integrations
APPROVED

MMDadoda

5/20/2019 11:11:11 AM



#62

4-Bromofluorobenzene

Concen: 46.992 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009691.D

Acq: 18 May 2019 03:55

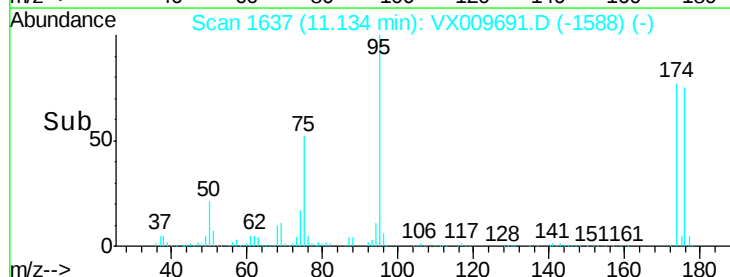
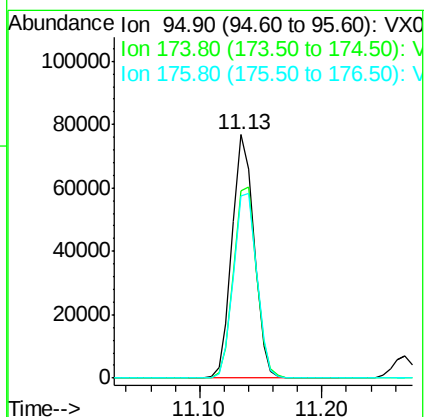
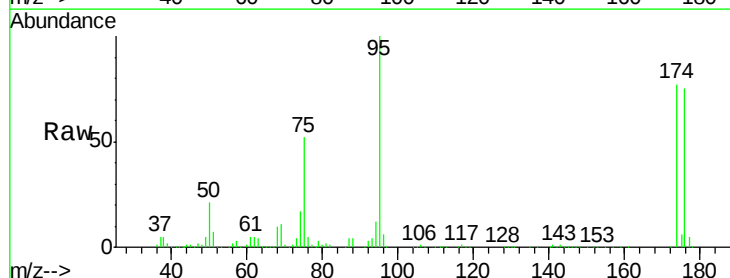
Tgt Ion: 95 Resp: 95834

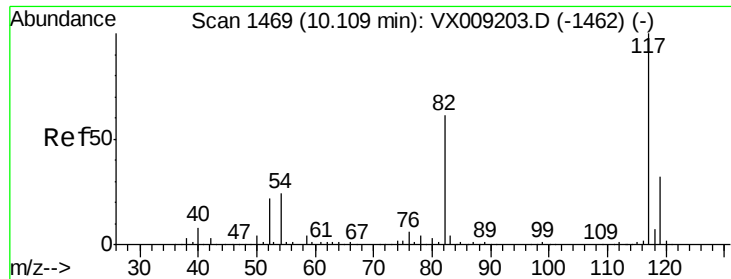
Ion Ratio Lower Upper

95 100

174 81.6 0.0 161.6

176 80.3 0.0 159.2





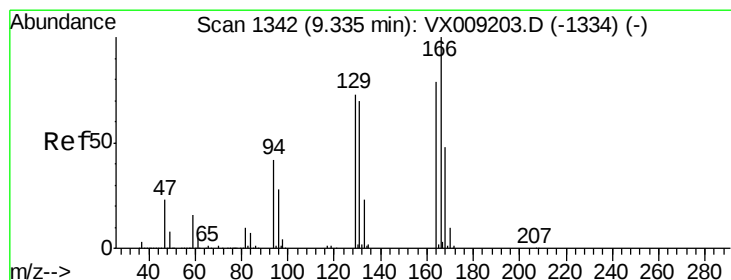
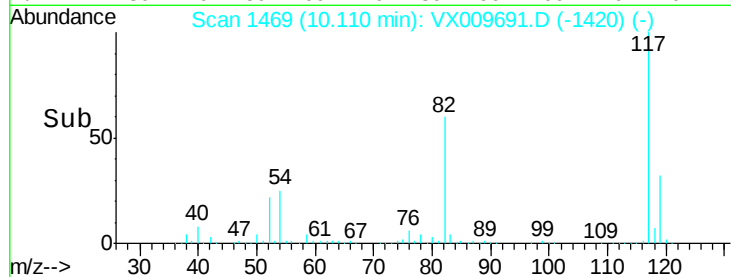
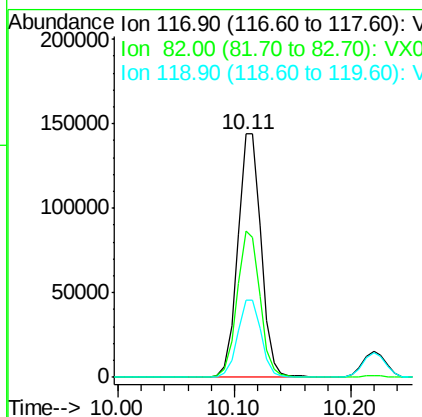
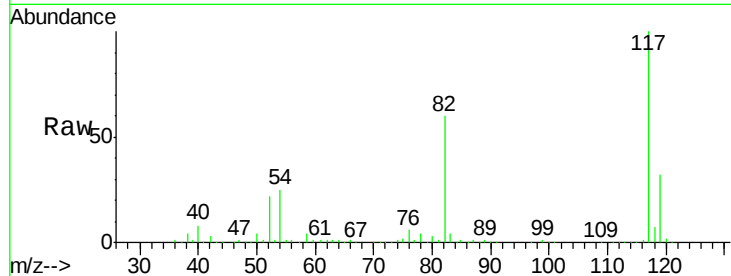
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009691.D
Acq: 18 May 2019 03:55

Instrument :
MSVOA_X
ClientSampleId :
VX0517WBS04

Tot Ion	Ratio	Resp	Lower	Upper
117	100	200927		
82	59.9	48.8	73.2	
119	31.8	25.8	38.6	

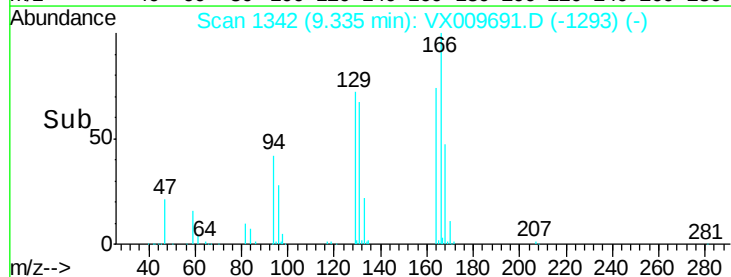
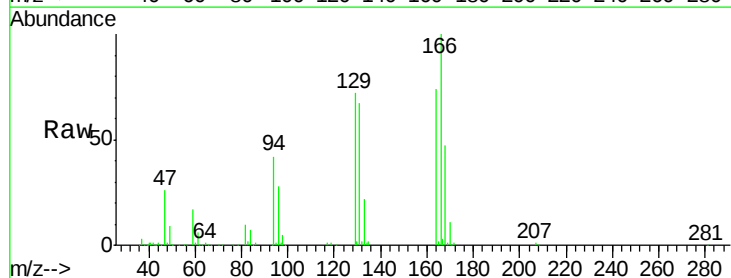
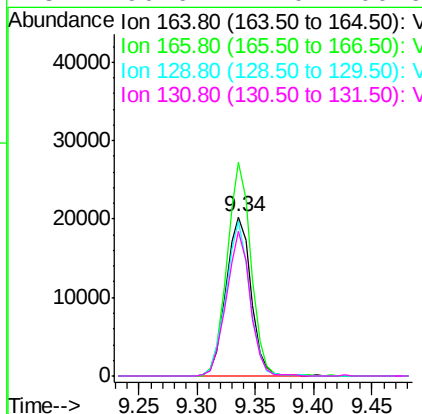
Manual Integrations
APPROVED

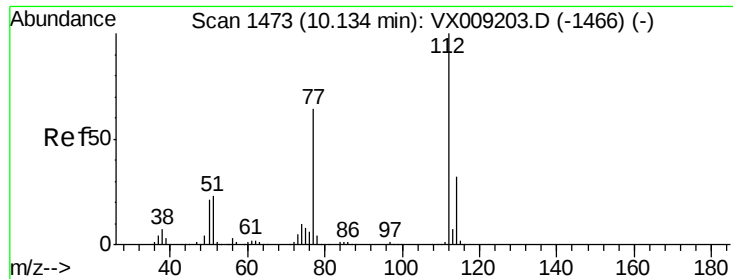
MMDadoda
5/20/2019 11:11:11 AM



#64
Tetrachloroethene
Concen: 21.906 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX009691.D
Acq: 18 May 2019 03:55

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	30192		
166	134.3	101.2	151.8	
129	97.2	74.3	111.5	
131	90.6	71.0	106.6	





#65

Chlorobenzene

Concen: 20.762 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. 0.00 min

Lab File: VX009691.D

Acq: 18 May 2019 03:55

Instrument :

MSVOA_X

ClientSampleId :

VX0517WBS04

Tot Ion:112 Resp: 83450

Ion Ratio Lower Upper

112 100

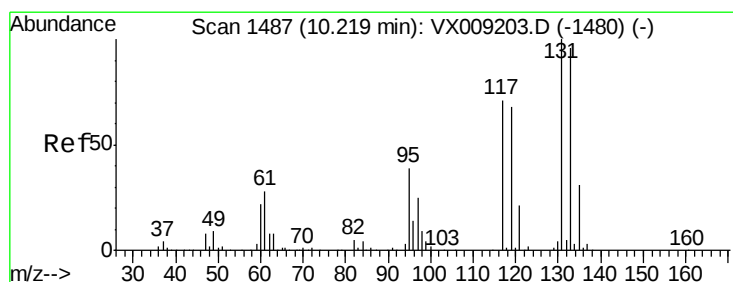
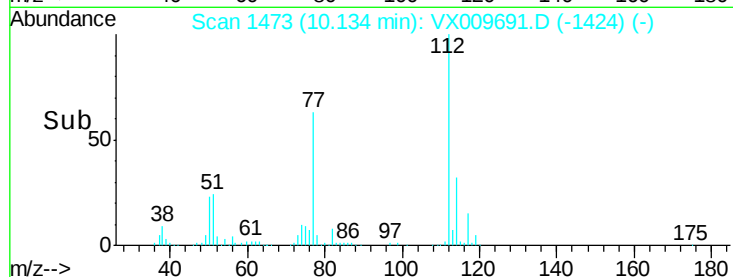
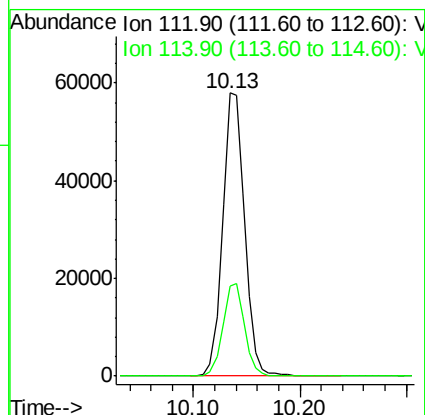
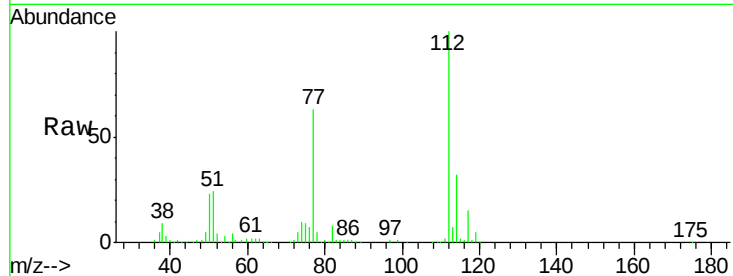
114 31.9 25.5 38.3

Manual Integrations

APPROVED

MMDadoda

5/20/2019 11:11:11 AM



#66

1,1,1,2-Tetrachloroethane

Concen: 20.973 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX009691.D

Acq: 18 May 2019 03:55

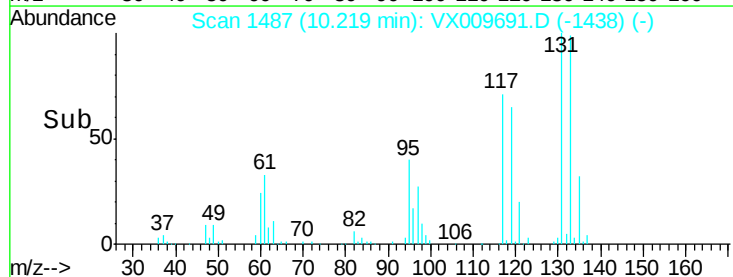
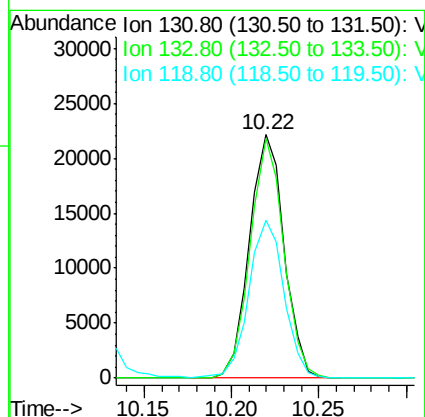
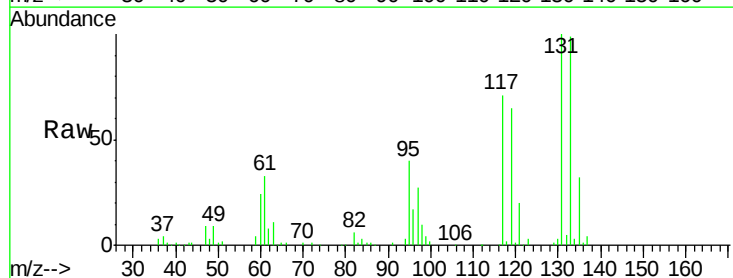
Tgt Ion:131 Resp: 30562

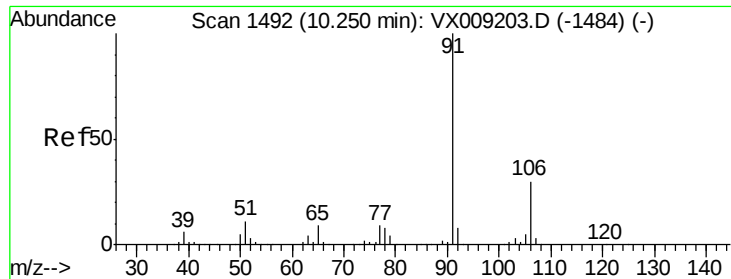
Ion Ratio Lower Upper

131 100

133 95.4 47.7 143.1

119 65.9 33.5 100.4





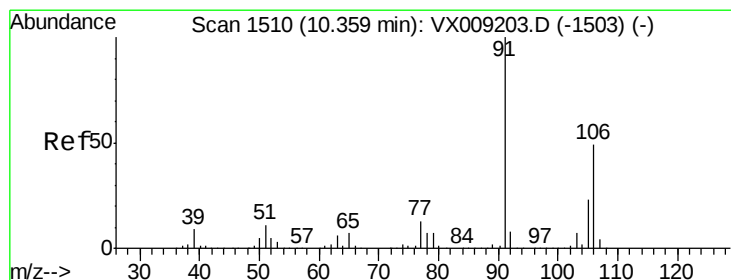
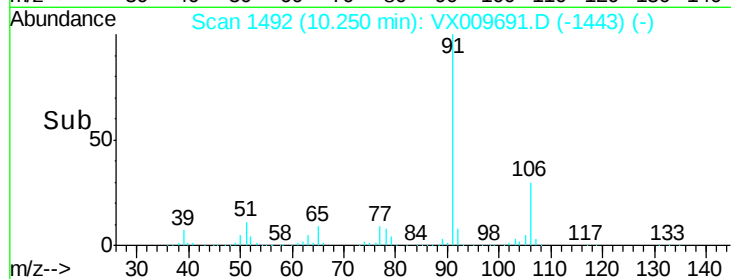
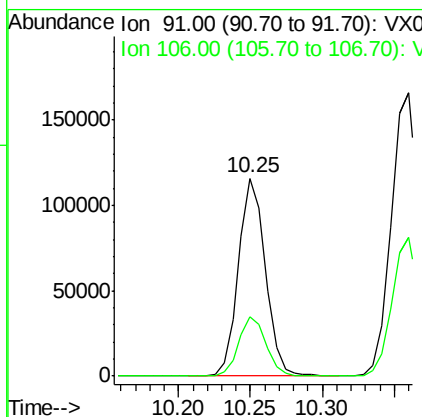
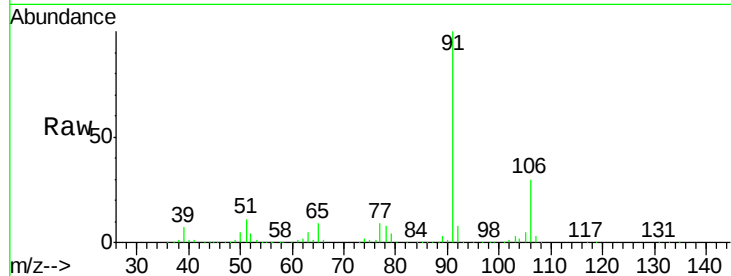
#67
Ethyl Benzene
Concen: 20.506 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX009691.D
Acq: 18 May 2019 03:55

Instrument :
MSVOA_X
ClientSampleId :
VX0517WBS04

Tot Ion: 91 Resp: 151688
Ion Ratio Lower Upper
91 100
106 29.8 24.0 36.0

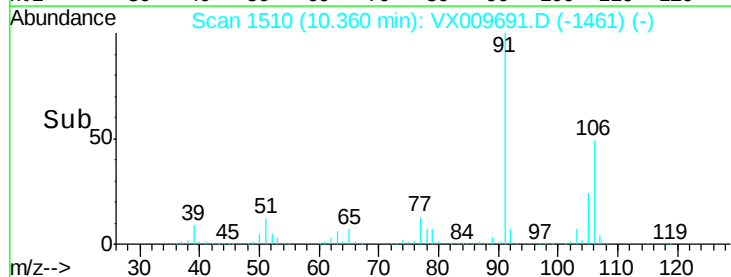
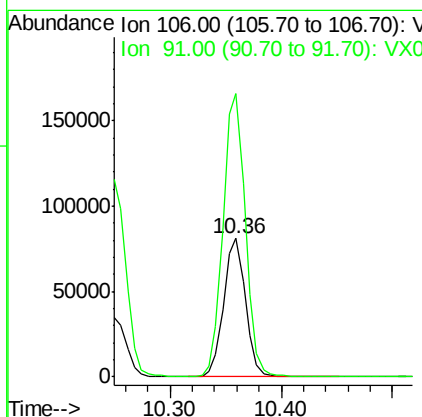
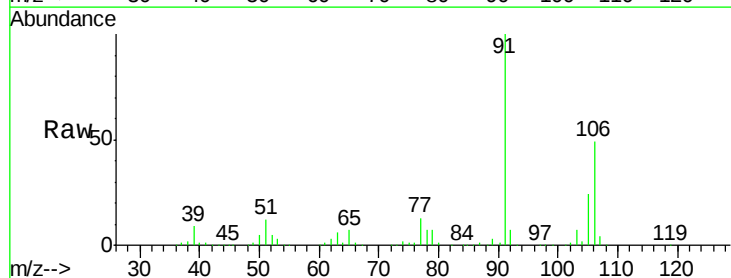
Manual Integrations
APPROVED

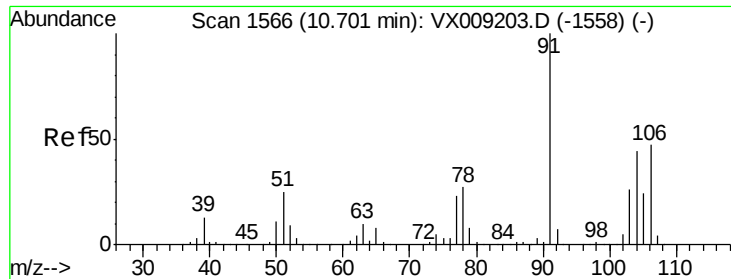
MMDadoda
5/20/2019 11:11:11 AM



#68
m/p-Xylenes
Concen: 40.819 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX009691.D
Acq: 18 May 2019 03:55

Tgt Ion: 106 Resp: 110342
Ion Ratio Lower Upper
106 100
91 208.4 164.0 246.0





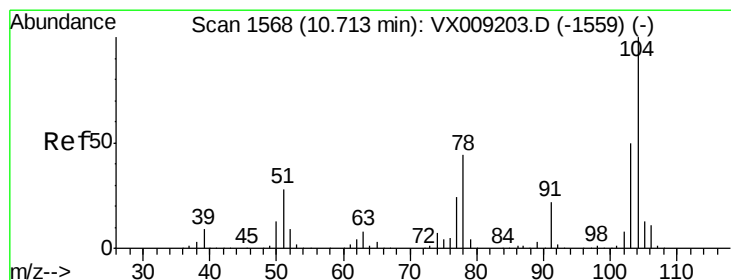
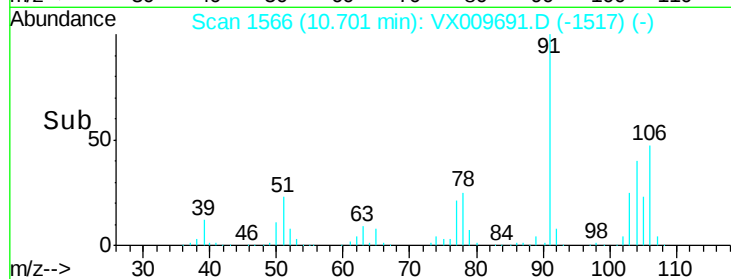
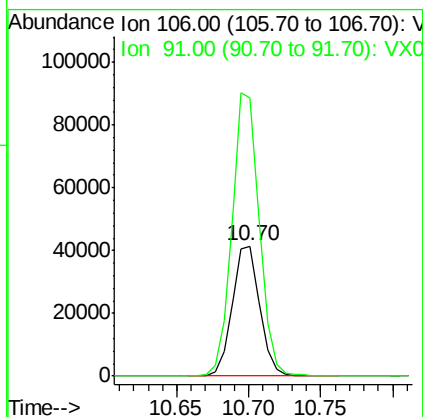
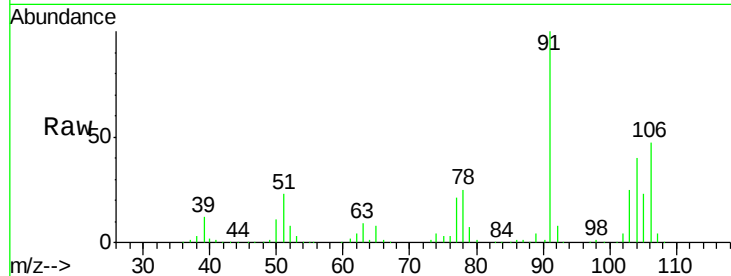
#69
o-Xylene
Concen: 20.857 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX009691.D
Acq: 18 May 2019 03:55

Instrument :
MSVOA_X
ClientSampled :
VX0517WBS04

Tot Ion:106 Resp: 55628
Ion Ratio Lower Upper
106 100
91 215.6 109.5 328.4

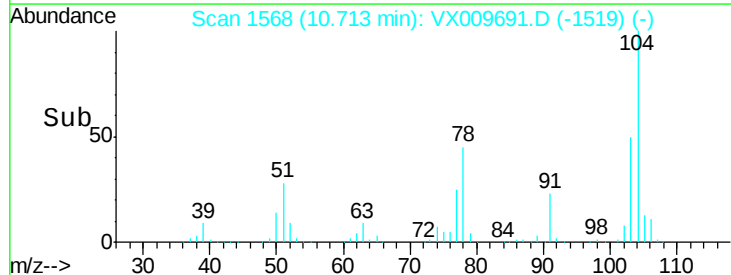
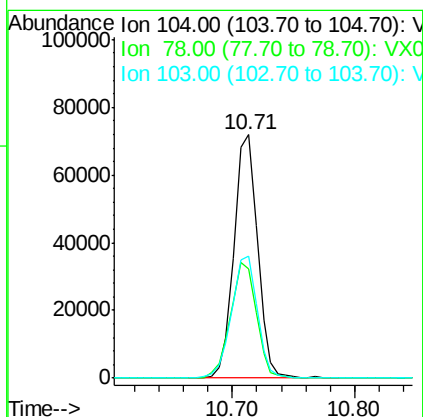
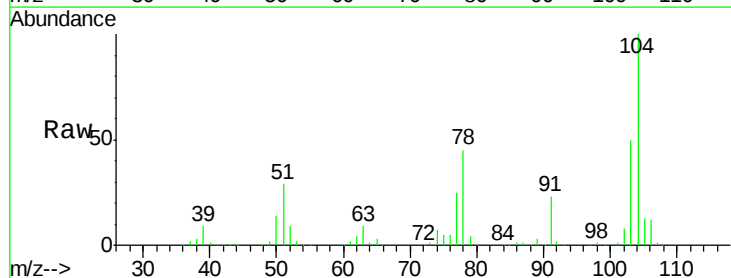
Manual Integrations
APPROVED

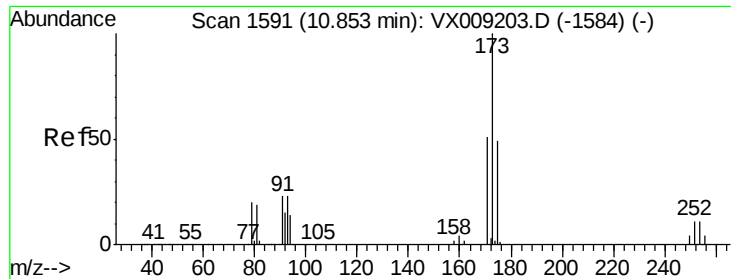
MMDadoda
5/20/2019 11:11:11 AM



#70
Styrene
Concen: 20.650 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX009691.D
Acq: 18 May 2019 03:55

Tgt Ion:104 Resp: 95724
Ion Ratio Lower Upper
104 100
78 52.5 41.0 61.4
103 54.8 43.8 65.6





#71

Bromoform

Concen: 20.190 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX009691.D

Acq: 18 May 2019 03:55

Instrument :

MSVOA_X

ClientSampleId :

VX0517WBS04

Tot Ion:173 Resp: 23909

Ion Ratio Lower Upper

173 100

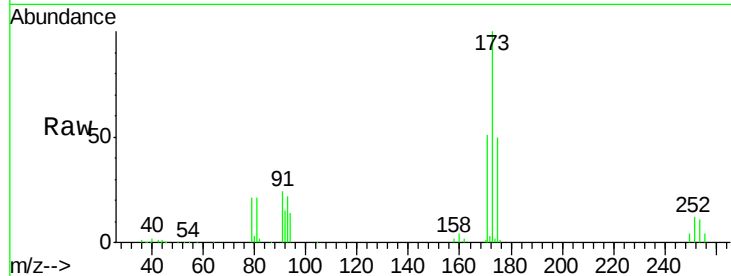
175 50.0 24.5 73.5

254 0.0 0.1 0.1#

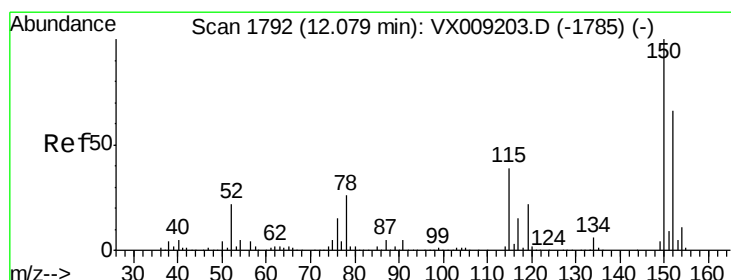
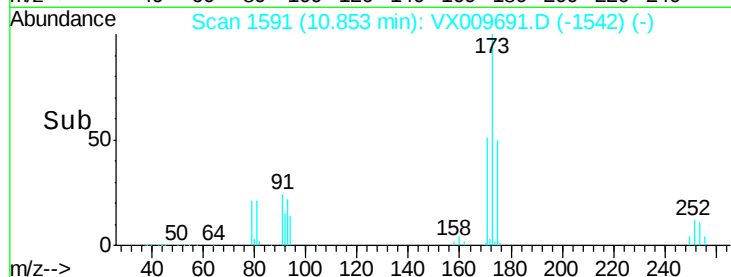
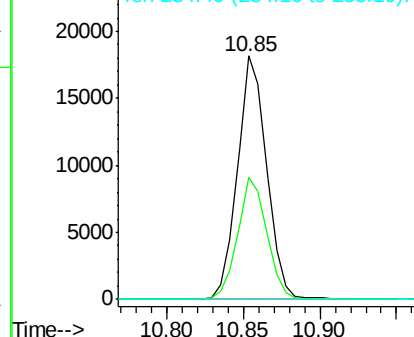
Manual Integrations
APPROVED

MMDadoda

5/20/2019 11:11:11 AM



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX009691.D

Acq: 18 May 2019 03:55

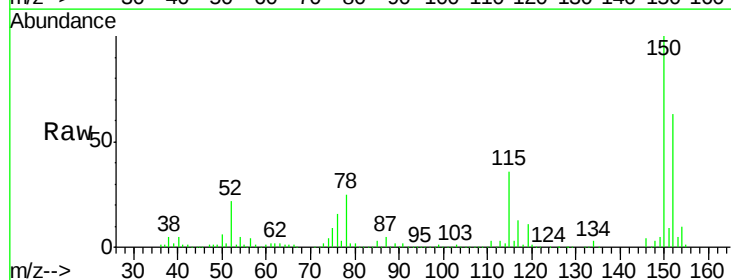
Tgt Ion:152 Resp: 97906

Ion Ratio Lower Upper

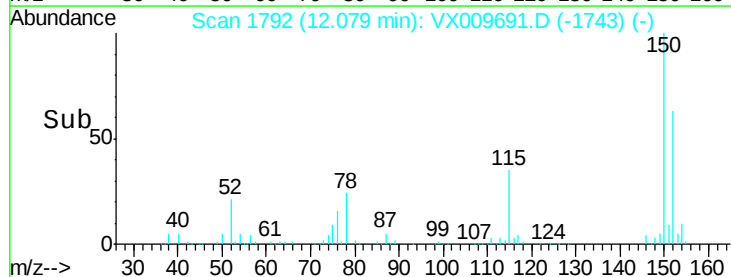
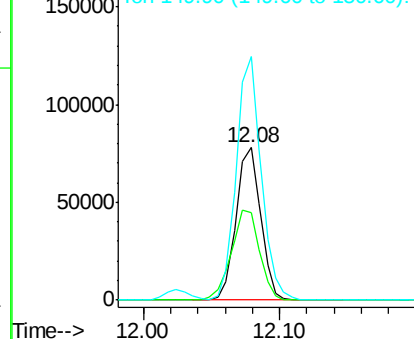
152 100

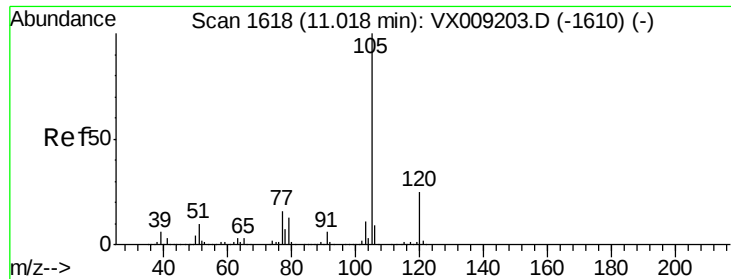
115 67.6 41.2 123.6

150 162.3 0.0 346.4



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





#73

Isopropylbenzene

Concen: 20.641 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX009691.D

Acq: 18 May 2019 03:55

Instrument :

MSVOA_X

ClientSampled :

VX0517WBS04

Tot Ion: 105 Resp: 146954

Ion Ratio Lower Upper

105 100

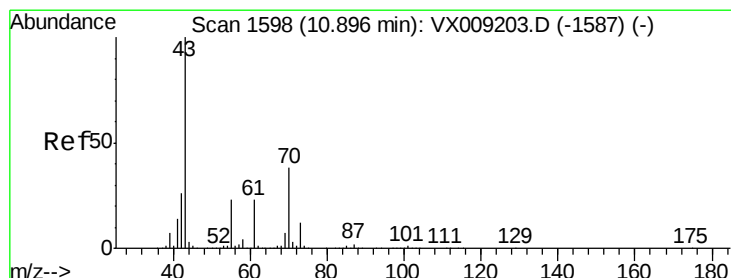
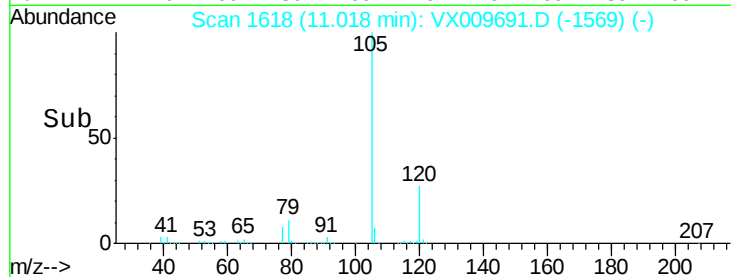
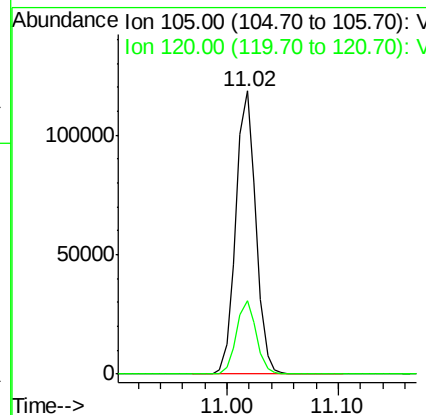
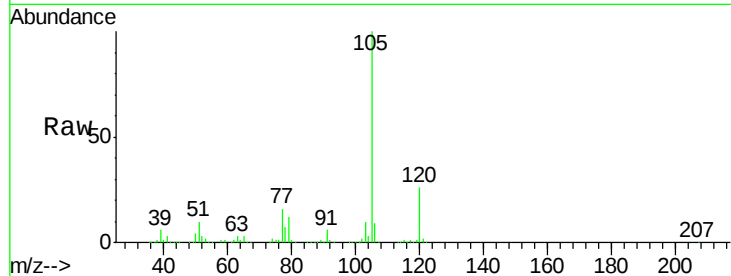
120 25.8 12.8 38.3

Manual Integrations

APPROVED

MMDadoda

5/20/2019 11:11:11 AM



#74

N-ethyl acetate

Concen: 21.871 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX009691.D

Acq: 18 May 2019 03:55

Tgt Ion: 43 Resp: 90783

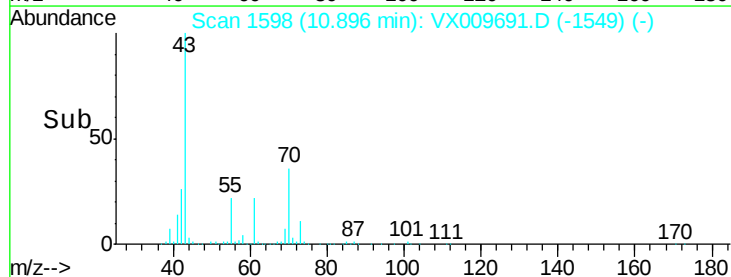
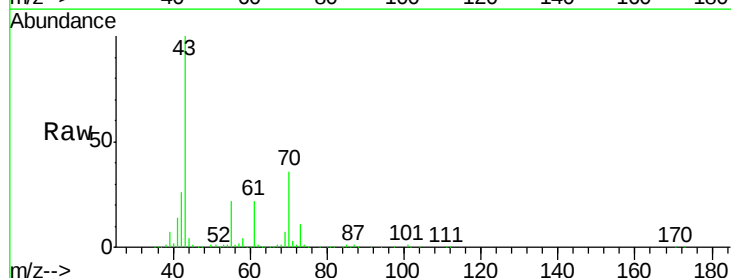
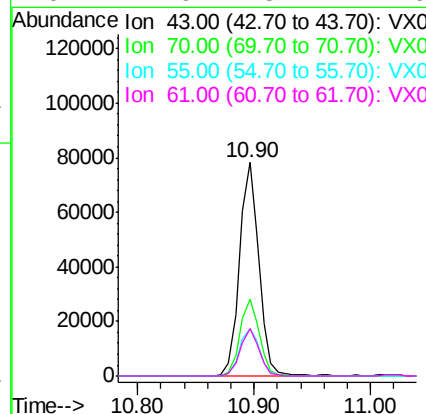
Ion Ratio Lower Upper

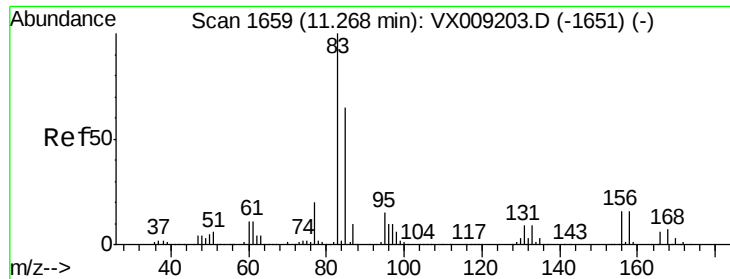
43 100

70 36.5 30.0 45.0

55 23.3 17.9 26.9

61 21.9 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 21.894 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX009691.D

Acq: 18 May 2019 03:55

Instrument :

MSVOA_X

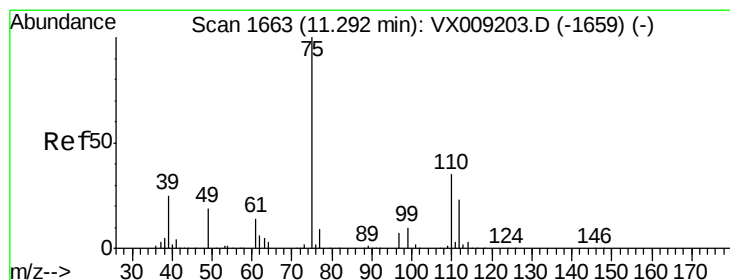
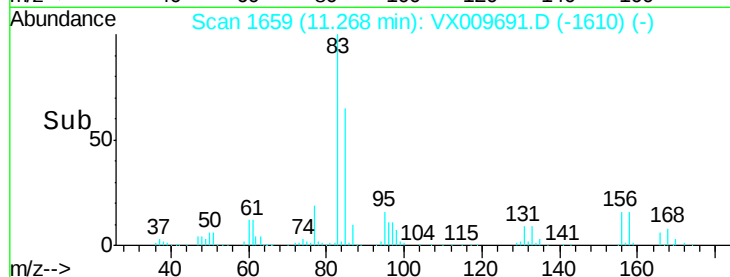
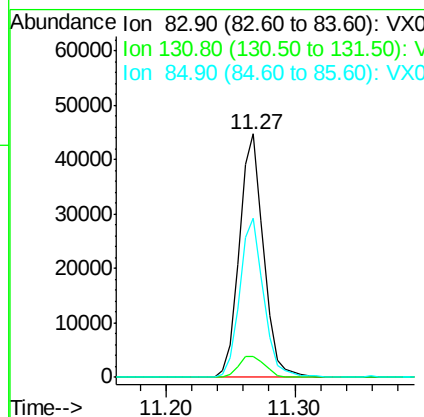
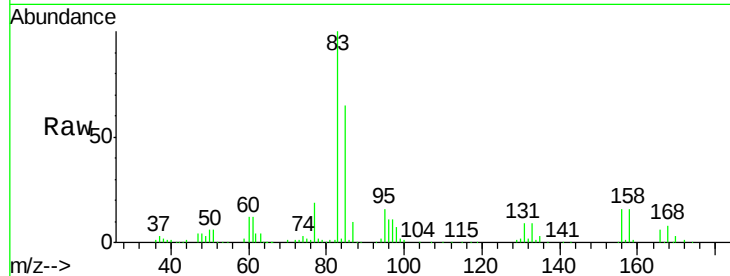
ClientSampleId :

VX0517WBS04

Tot Ion:	83	Resp:	58109
Ion Ratio	Lower	Upper	
83	100		
131	9.6	4.6	13.8
85	64.6	32.0	96.2

Manual Integrations
APPROVED

MMDadoda
5/20/2019 11:11:11 AM



#76

1,2,3-Trichloropropane

Concen: 24.505 ug/l m

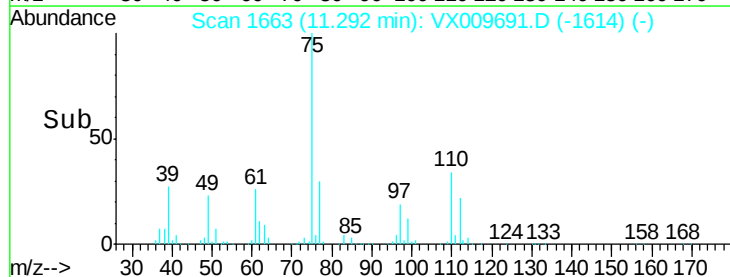
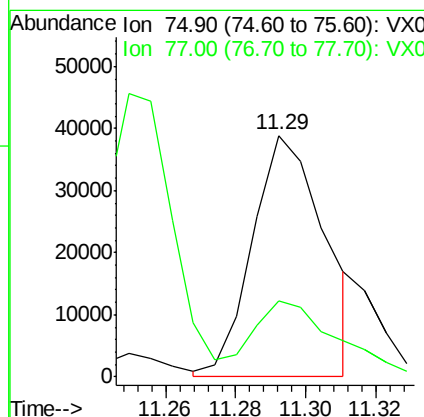
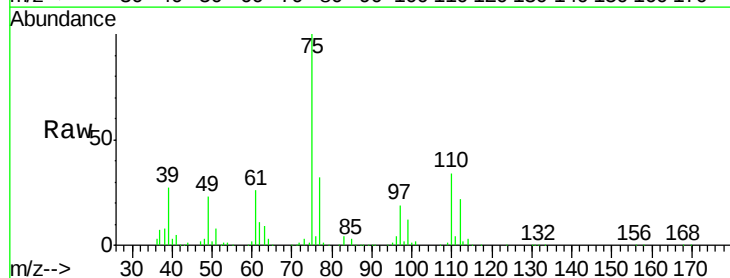
RT: 11.29 min Scan# 1663

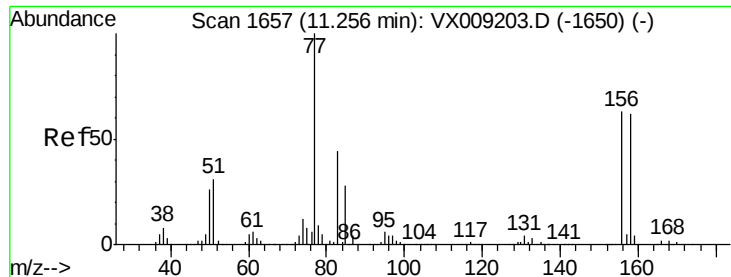
Delta R.T. 0.00 min

Lab File: VX009691.D

Acq: 18 May 2019 03:55

Tgt Ion:	75	Resp:	55652
Ion Ratio	Lower	Upper	
75	100		
77	37.0	22.1	66.1





#77

Bromobenzene

Concen: 20.952 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX009691.D

Acq: 18 May 2019 03:55

Instrument :

MSVOA_X

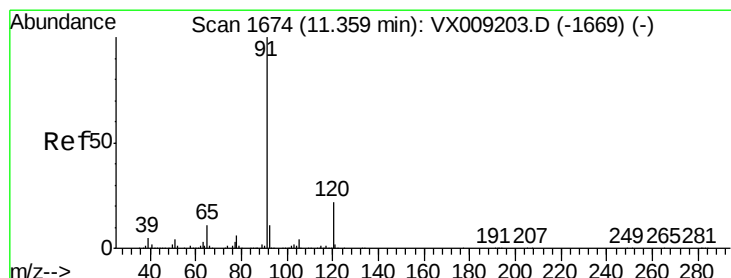
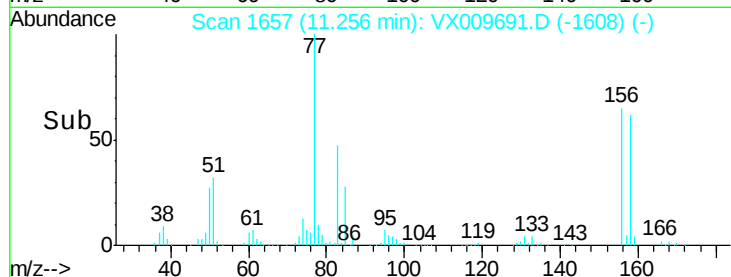
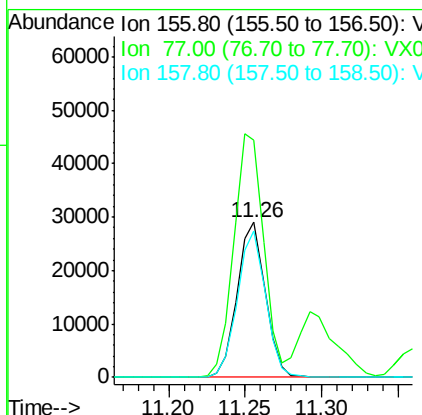
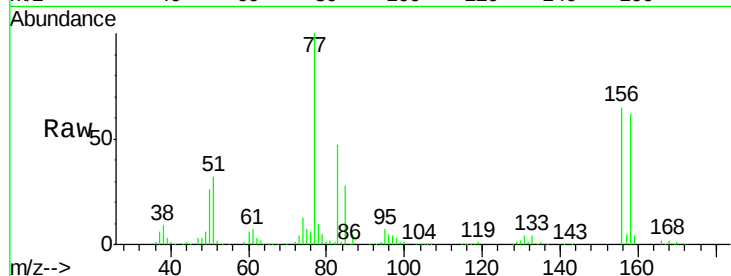
ClientSampleId :

VX0517WBS04

Tot Ion:	156	Resp:	37024
Ion	Ratio	Lower	Upper
156	100		
77	166.2	84.8	254.3
158	94.9	49.1	147.3

Manual Integrations
APPROVED

MMDadoda
5/20/2019 11:11:11 AM



#78

n-propylbenzene

Concen: 20.348 ug/l

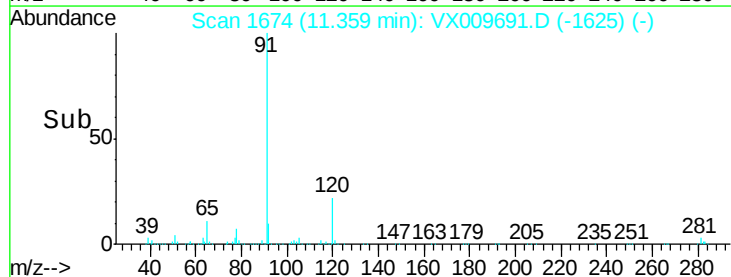
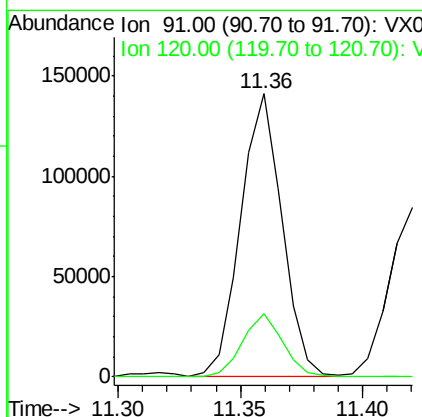
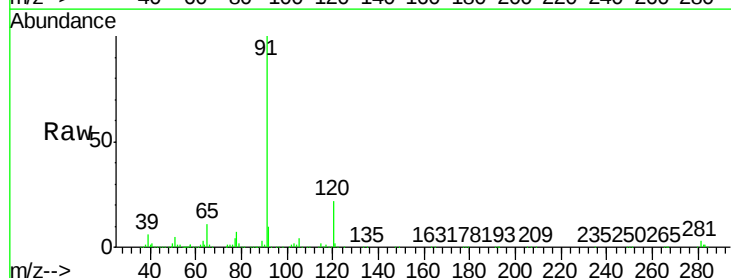
RT: 11.36 min Scan# 1674

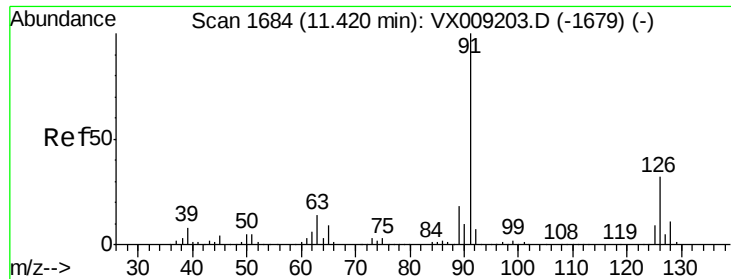
Delta R.T. 0.00 min

Lab File: VX009691.D

Acq: 18 May 2019 03:55

Tgt Ion:	91	Resp:	165452
Ion	Ratio	Lower	Upper
91	100		
120	22.1	11.0	33.0





#79

2-Chlorotoluene

Concen: 20.488 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX009691.D

Acq: 18 May 2019 03:55

Instrument :

MSVOA_X

ClientSampleId :

VX0517WBS04

Tot Ion: 91 Resp: 102778

Ion Ratio Lower Upper

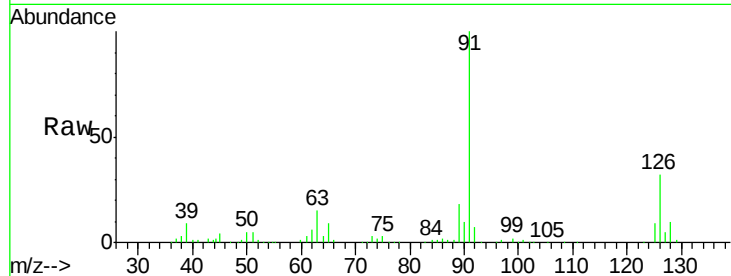
91 100

126 32.3 16.3 48.9

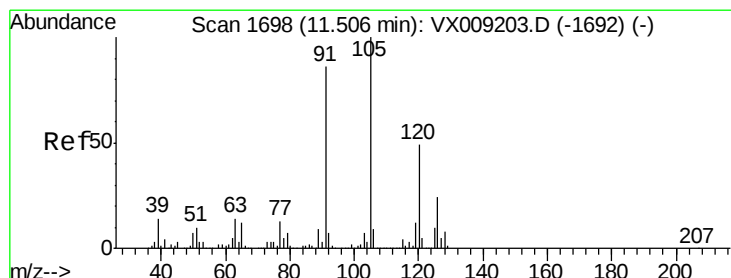
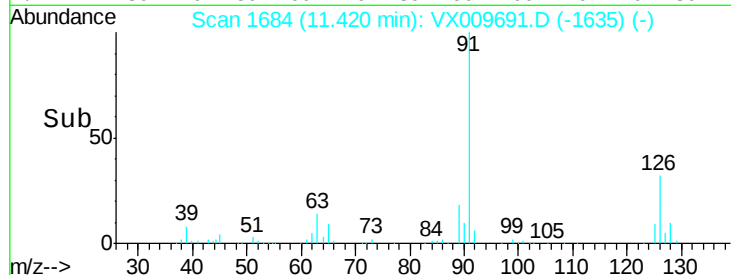
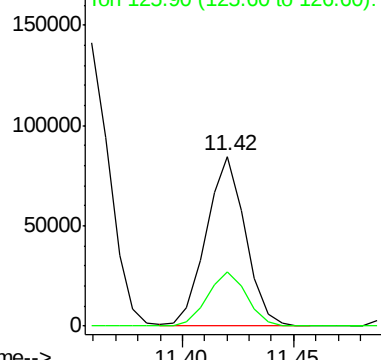
Manual Integrations
APPROVED

MMDadoda

5/20/2019 11:11:11 AM



Abundance Ion 91.00 (90.70 to 91.70): VX009203.D (-1679) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.759 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX009691.D

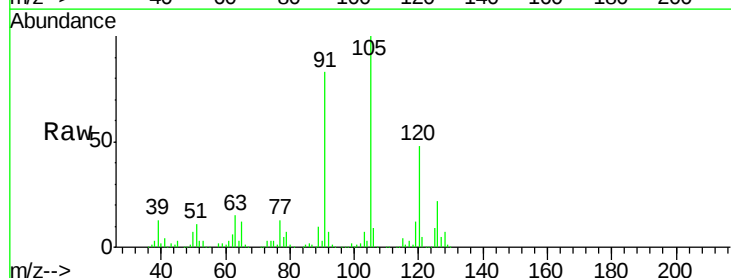
Acq: 18 May 2019 03:55

Tgt Ion: 105 Resp: 124447

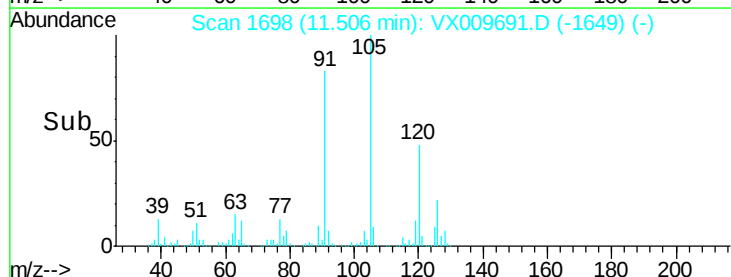
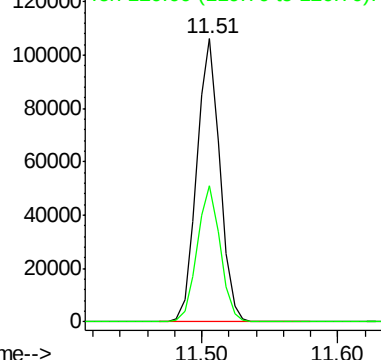
Ion Ratio Lower Upper

105 100

120 48.2 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): VX009203.D (-1692) (-)





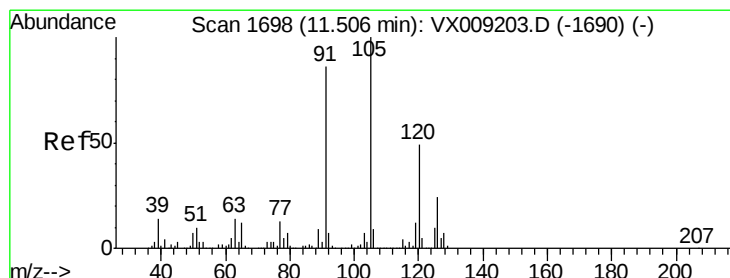
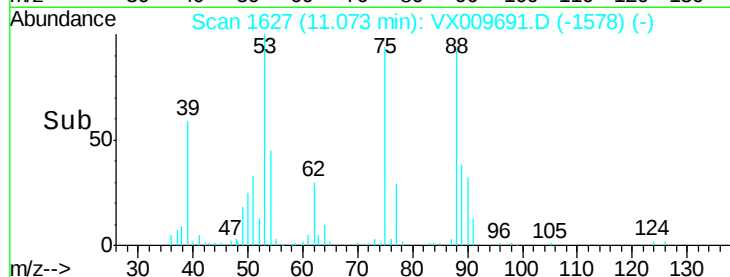
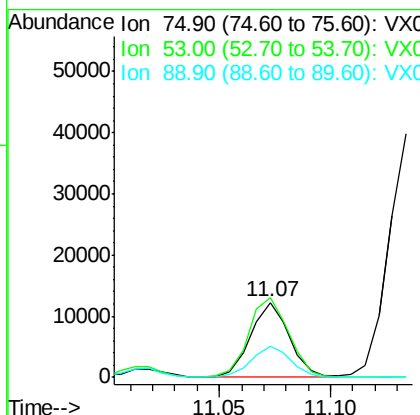
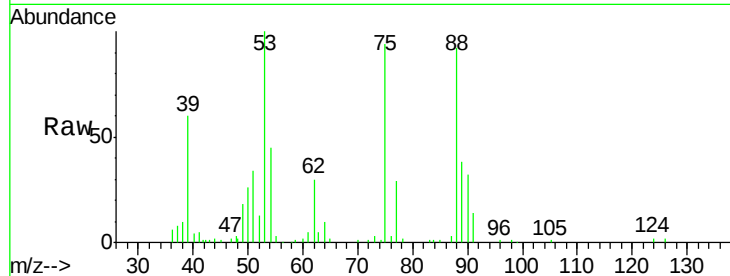
#81
trans-1,4-Dichloro-2-butene
Concen: 16.691 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX009691.D
Acq: 18 May 2019 03:55

Instrument :
MSVOA_X
ClientSampleId :
VX0517WBS04

Tot Ion	Ratio	Lower	Upper
75	100		
53	111.8	79.0	118.6
89	42.7	34.7	52.1

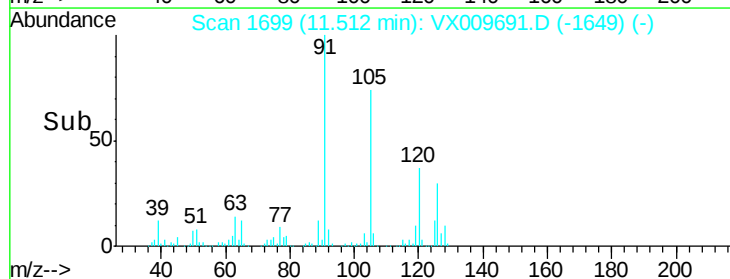
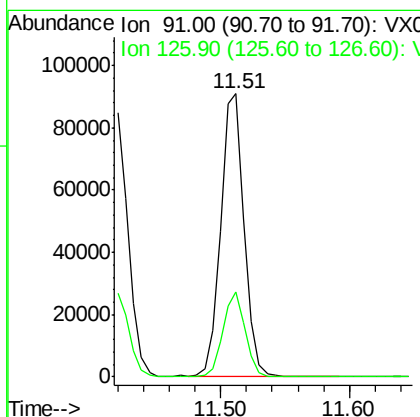
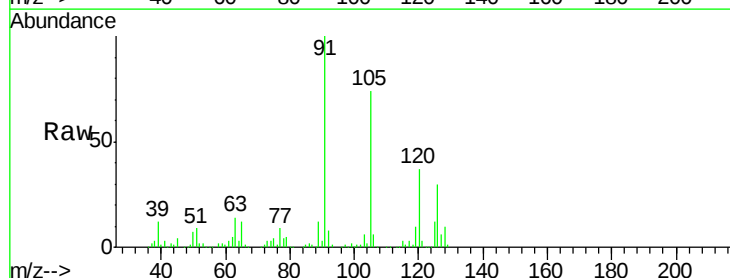
Manual Integrations
APPROVED

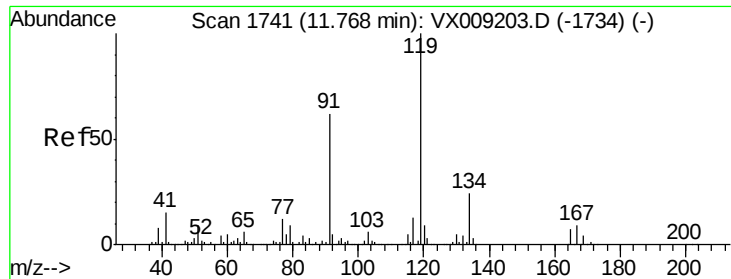
MMDadoda
5/20/2019 11:11:11 AM



#82
4-Chlorotoluene
Concen: 20.472 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.01 min
Lab File: VX009691.D
Acq: 18 May 2019 03:55

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.8	14.5	43.6





#83

tert-Butylbenzene

Concen: 20.225 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX009691.D

Acq: 18 May 2019 03:55

Instrument :

MSVOA_X

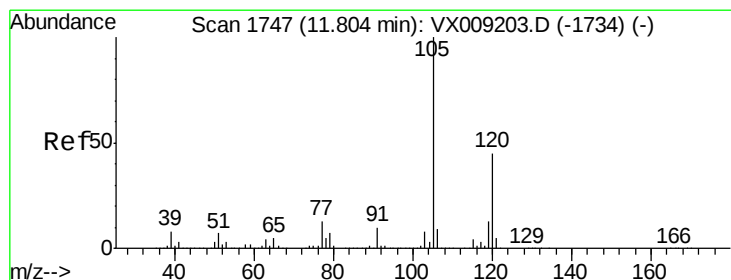
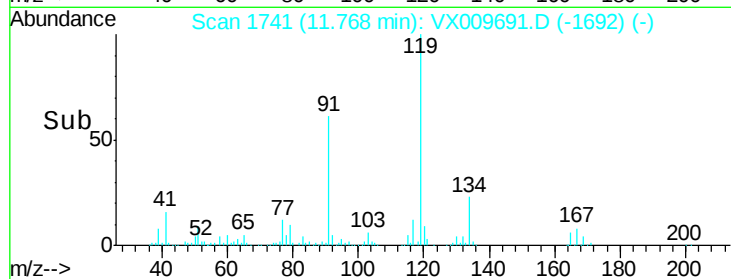
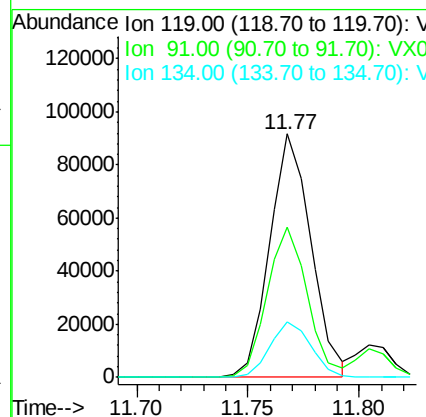
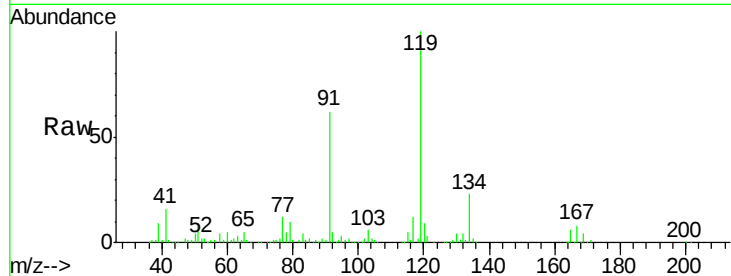
ClientSampleId :

VX0517WBS04

Tot Ion:	119	Resp:	117947
Ion Ratio	Lower	Upper	
119	100		
91	60.5	29.5	88.5
134	22.8	11.4	34.1

Manual Integrations
APPROVED

MMDadoda
5/20/2019 11:11:11 AM



#84

1,2,4-Trimethylbenzene

Concen: 20.875 ug/l

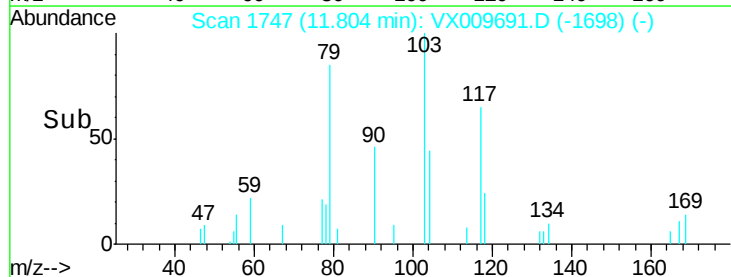
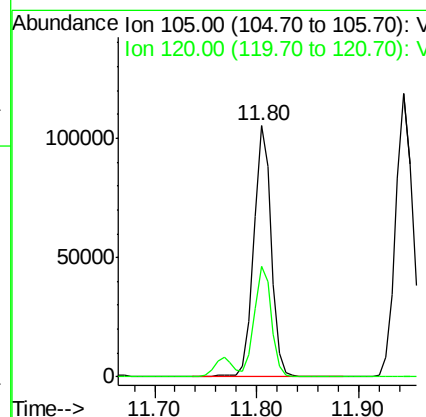
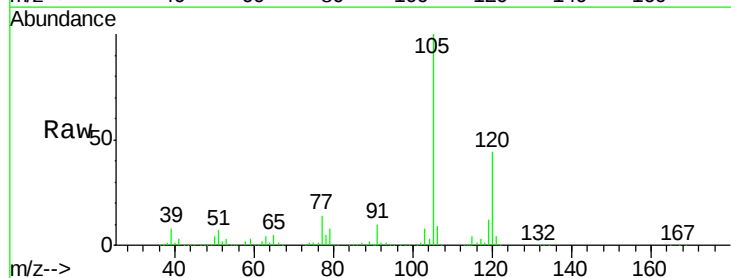
RT: 11.80 min Scan# 1747

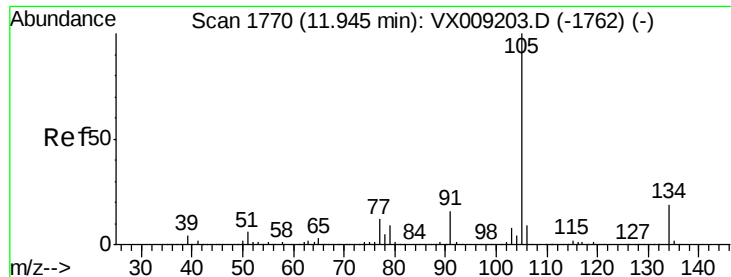
Delta R.T. 0.00 min

Lab File: VX009691.D

Acq: 18 May 2019 03:55

Tgt Ion:	105	Resp:	125611
Ion Ratio	Lower	Upper	
105	100		
120	43.1	22.0	66.0





#85

sec-Butylbenzene

Concen: 20.345 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX009691.D

Acq: 18 May 2019 03:55

Instrument :

MSVOA_X

ClientSampleID :

VX0517WBS04

Tot Ion:105 Resp: 140660

Ion Ratio Lower Upper

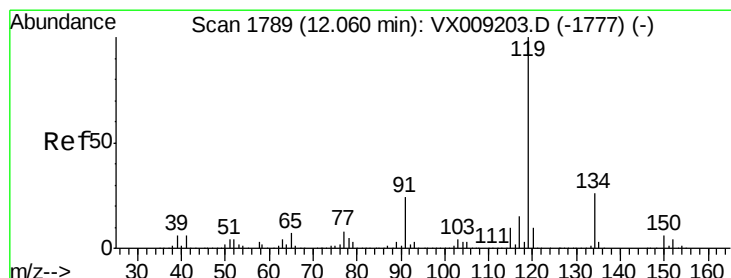
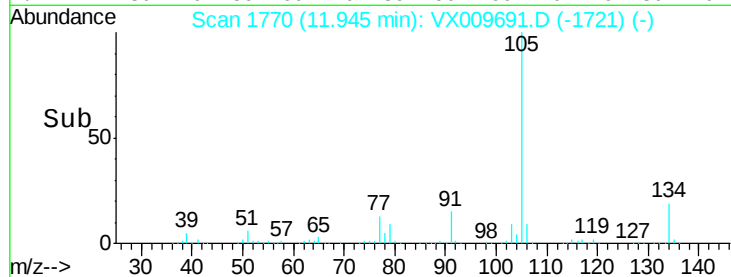
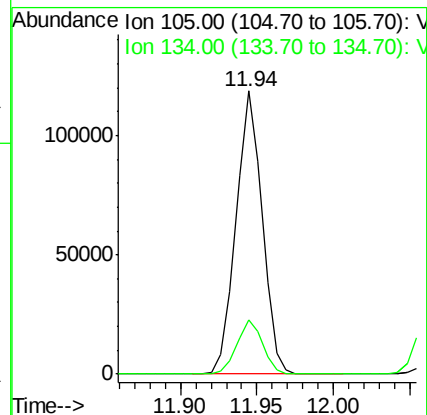
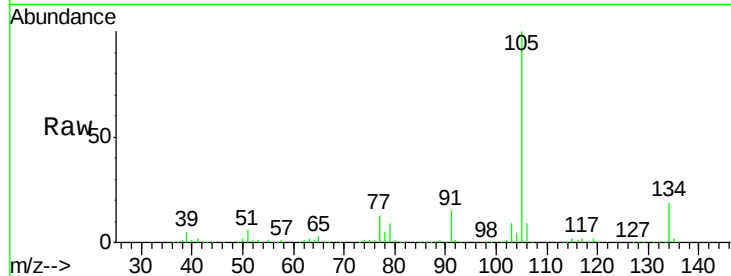
105 100

134 18.9 9.7 28.9

Manual Integrations
APPROVED

MMDadoda

5/20/2019 11:11:11 AM



#86

p-Isopropyltoluene

Concen: 20.492 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX009691.D

Acq: 18 May 2019 03:55

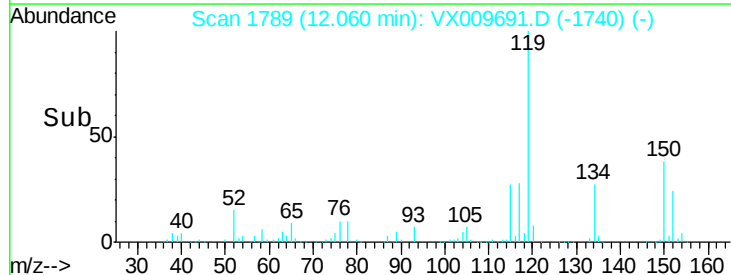
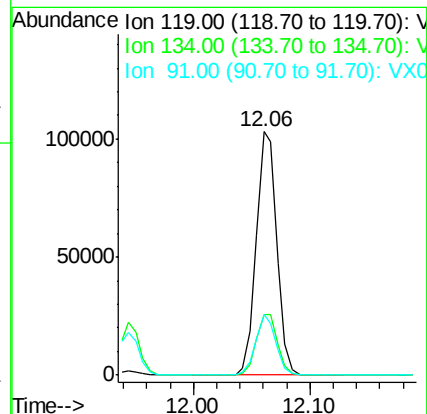
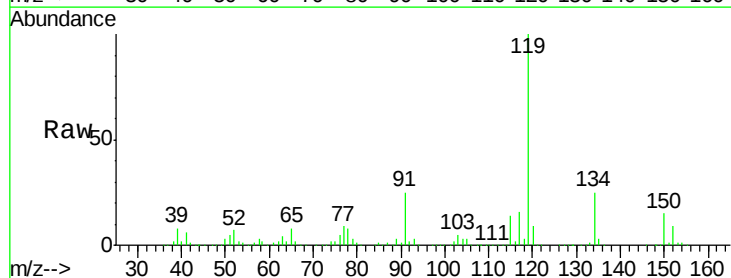
Tgt Ion:119 Resp: 127366

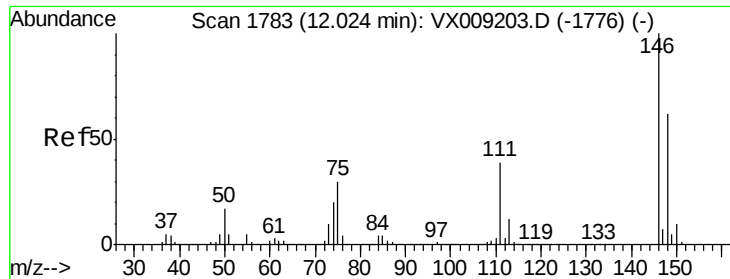
Ion Ratio Lower Upper

119 100

134 25.6 12.9 38.7

91 24.2 11.8 35.4





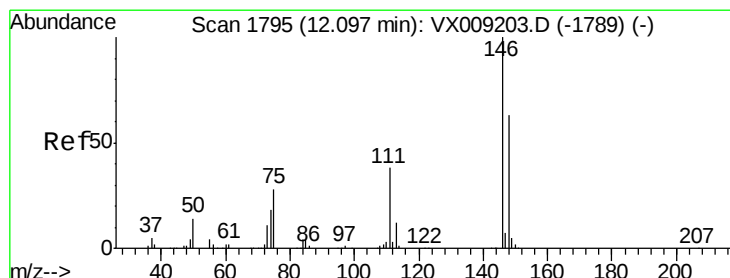
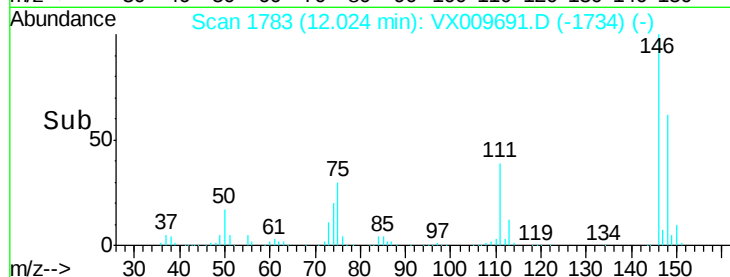
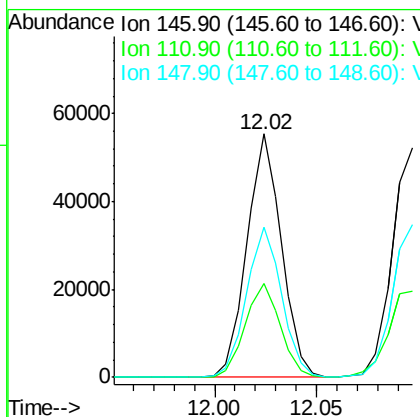
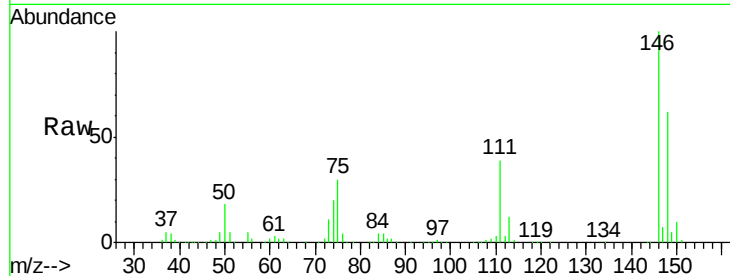
#87
 1,3-Dichlorobenzene
 Concen: 20.696 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX009691.D
 Acq: 18 May 2019 03:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0517WBS04

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	20.0	59.9
148	62.9	31.8	95.3

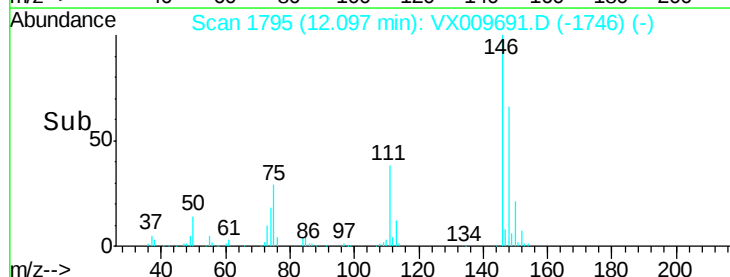
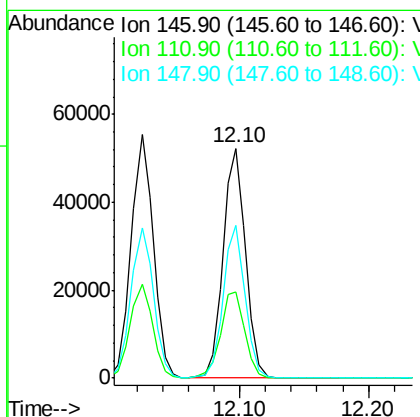
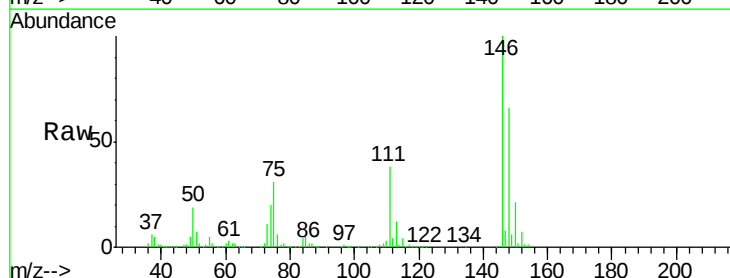
Manual Integrations
 APPROVED

MMDadoda
 5/20/2019 11:11:11 AM



#88
 1,4-Dichlorobenzene
 Concen: 20.271 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX009691.D
 Acq: 18 May 2019 03:55

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.8	19.6	58.8
148	64.8	31.8	95.3





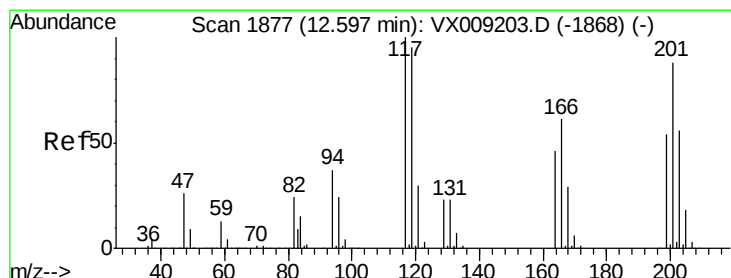
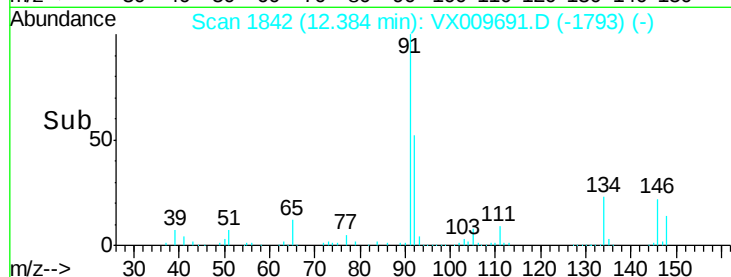
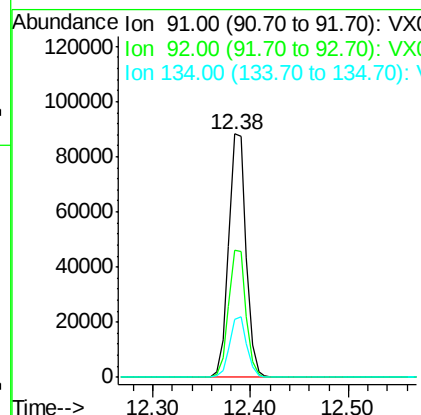
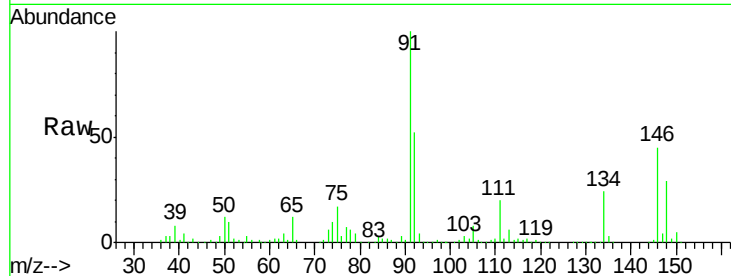
#89
n-Butylbenzene
Concen: 19.458 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX009691.D
Acq: 18 May 2019 03:55

Instrument :
MSVOA_X
ClientSampleId :
VX0517WBS04

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.5	79.5
134	24.6	12.4	37.2

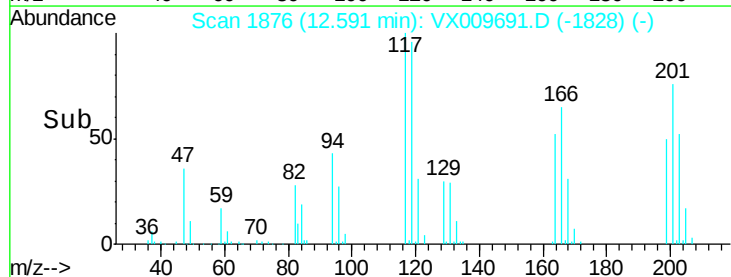
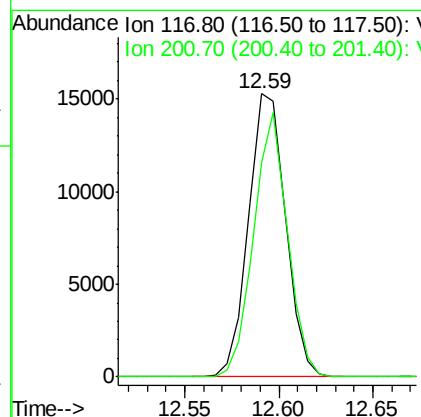
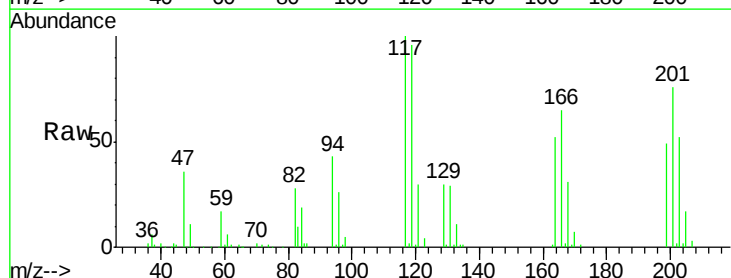
Manual Integrations
APPROVED

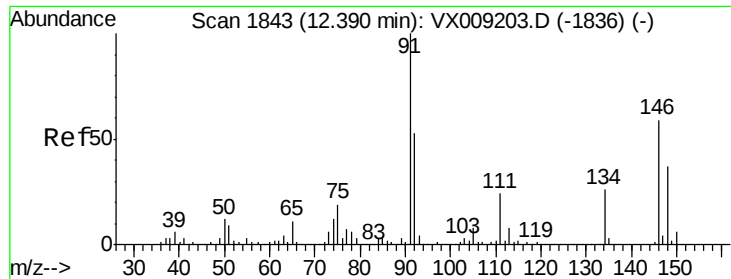
MMDadoda
5/20/2019 11:11:11 AM



#90
Hexachloroethane
Concen: 19.726 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX009691.D
Acq: 18 May 2019 03:55

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.9	42.3	126.9





#91

1,2-Dichlorobenzene

Concen: 20.738 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX009691.D

Acq: 18 May 2019 03:55

Instrument :

MSVOA_X

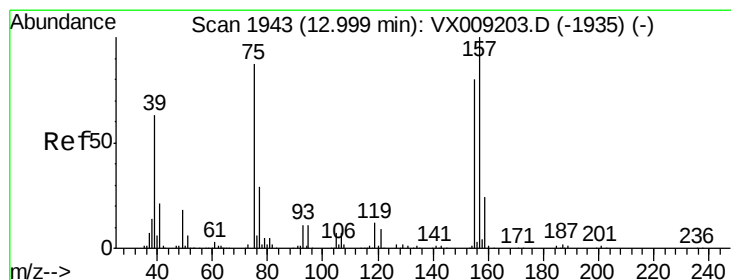
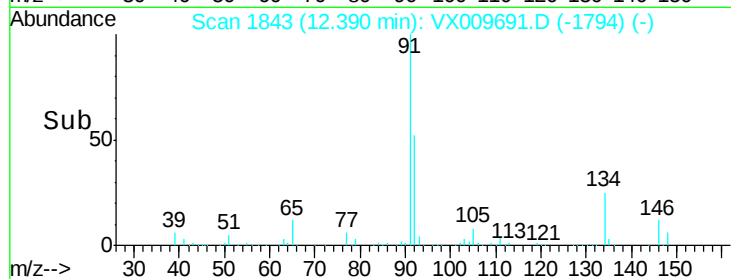
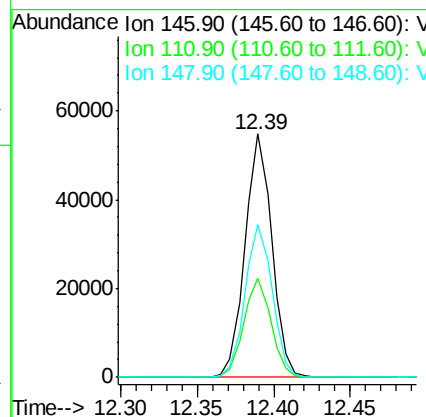
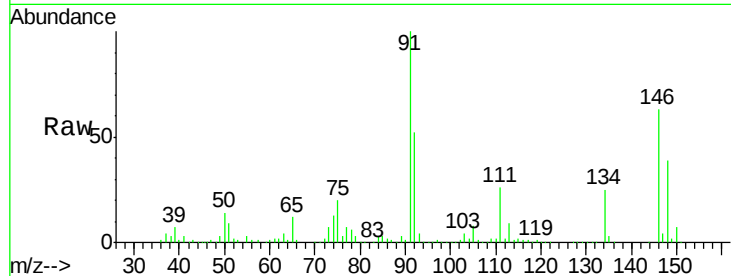
ClientSampleId :

VX0517WBS04

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.8	62.4
148	63.8	31.9	95.9

Manual Integrations
APPROVED

MMDadoda
5/20/2019 11:11:11 AM



#92

1,2-Dibromo-3-Chloropropane

Concen: 23.103 ug/l

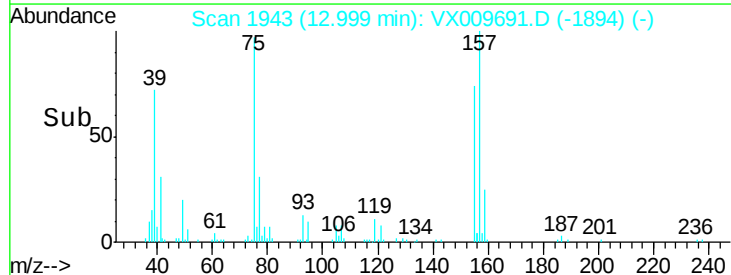
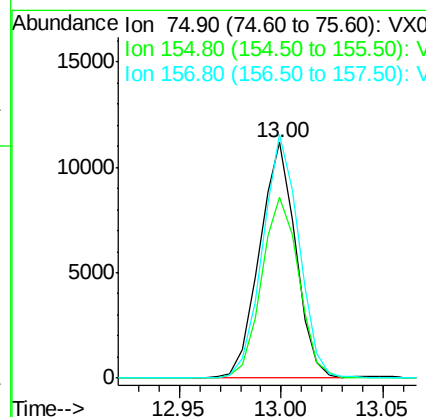
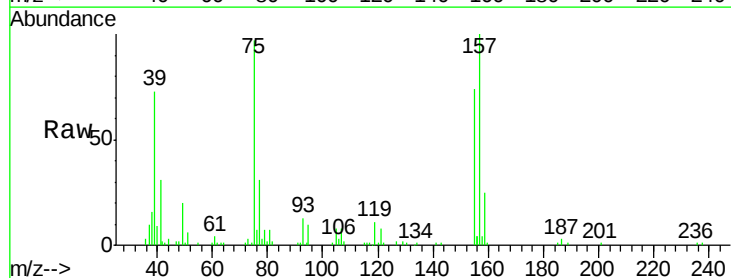
RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX009691.D

Acq: 18 May 2019 03:55

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.3	42.0	126.0
157	104.4	53.2	159.6





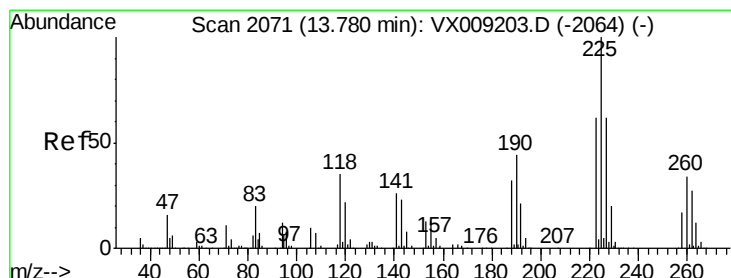
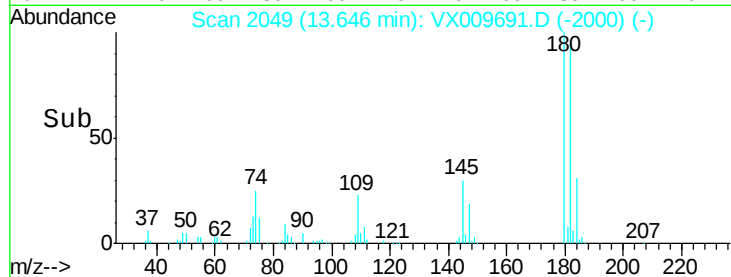
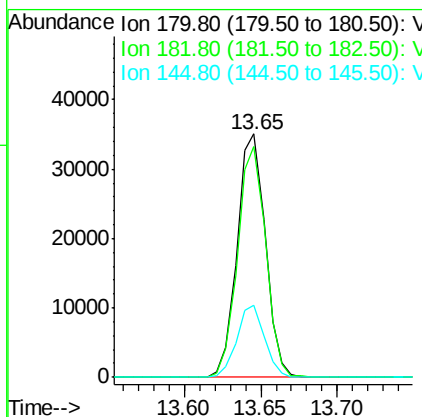
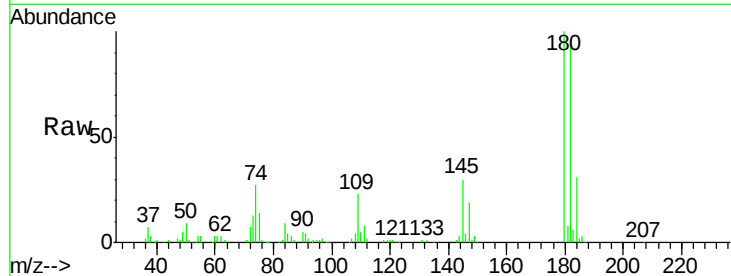
#93
 1,2,4-Trichlorobenzene
 Concen: 20.462 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX009691.D
 Acq: 18 May 2019 03:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0517WBS04

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.2	48.4	145.2
145	29.0	14.6	43.8

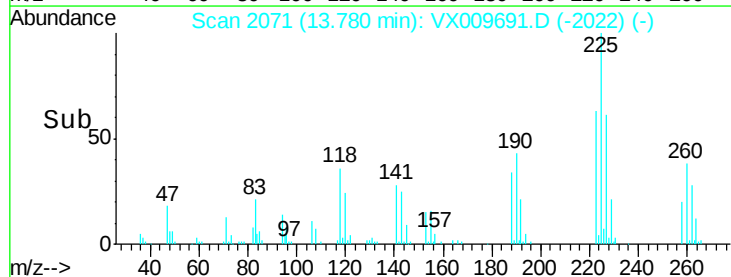
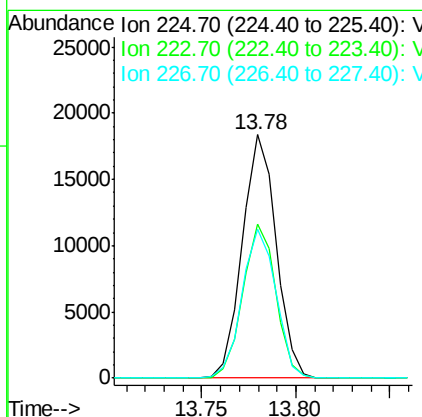
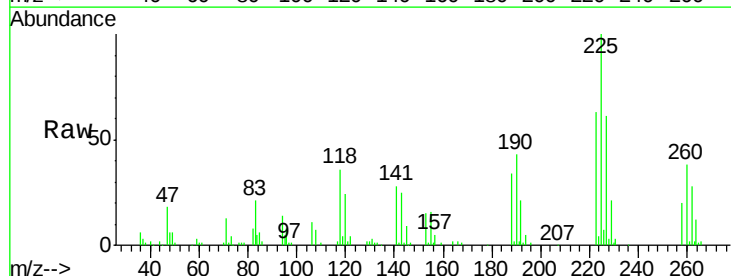
Manual Integrations
 APPROVED

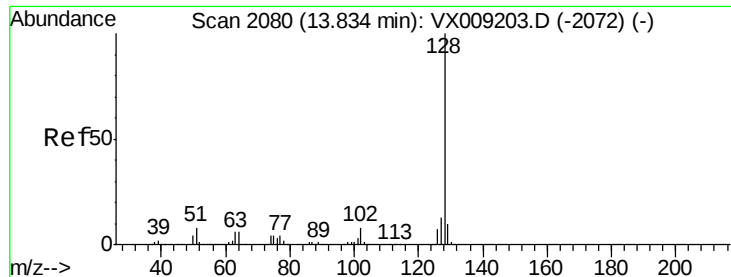
MMDadoda
 5/20/2019 11:11:11 AM



#94
 Hexachlorobutadiene
 Concen: 20.443 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX009691.D
 Acq: 18 May 2019 03:55

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.6	31.3	93.8
227	61.3	31.8	95.3





#95

Naphthalene

Concen: 22.023 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX009691.D

Acq: 18 May 2019 03:55

Instrument :

MSVOA_X

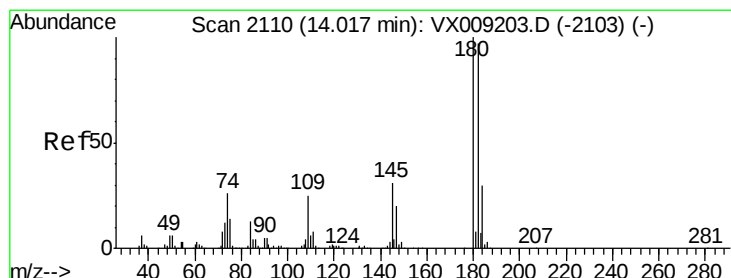
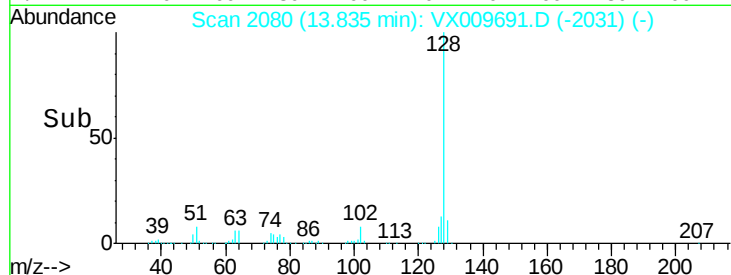
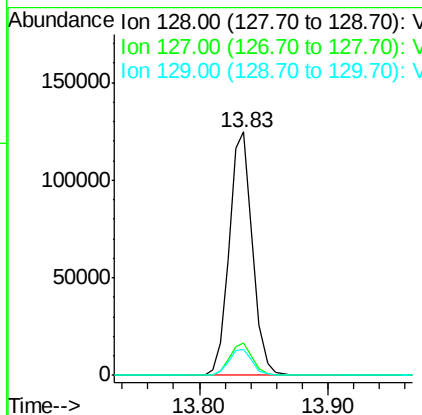
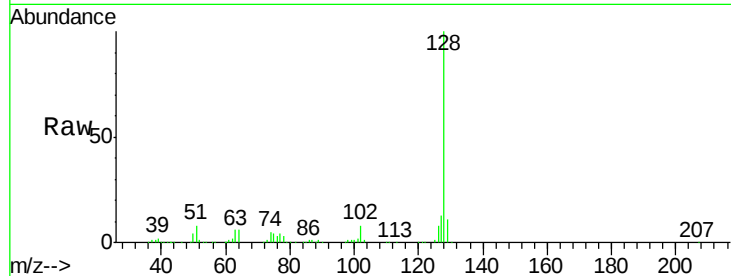
ClientSampleId :

VX0517WBS04

Tot Ion:	128	Resp:	157210
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.4	15.6
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
5/20/2019 11:11:11 AM



#96

1,2,3-Trichlorobenzene

Concen: 21.594 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX009691.D

Acq: 18 May 2019 03:55

Tgt Ion:	180	Resp:	48028
Ion Ratio	Lower	Upper	
180	100		
182	94.2	47.8	143.4
145	31.0	15.4	46.4

