

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050619\
 Data File : VX009364.D
 Acq On : 06 May 2019 20:33
 Operator : JC/SP
 Sample : K2697-06MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4-20190502MSD

Manual Integrations
 APPROVED

MMDadoda
 5/7/2019 9:42:17 AM

Quant Time: May 07 08:20:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 04 07:18:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	164409	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	264502	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	242120	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	120584	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	110802	49.37	ug/l	0.00
Spiked Amount			Recovery	=	98.74%	
35) Dibromofluoromethane	5.49	113	82540	49.64	ug/l	0.00
Spiked Amount			Recovery	=	99.28%	
50) Toluene-d8	8.71	98	333497	49.68	ug/l	0.00
Spiked Amount			Recovery	=	99.36%	
62) 4-Bromofluorobenzene	11.13	95	123905	50.80	ug/l	0.00
Spiked Amount			Recovery	=	101.60%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	68067	44.927	ug/l	100
3) Chloromethane	1.32	50	91158	44.071	ug/l	99
4) Vinyl Chloride	1.41	62	94126	46.667	ug/l	97
5) Bromomethane	1.64	94	54954	45.393	ug/l	97
6) Chloroethane	1.71	64	59590	46.016	ug/l	100
7) Trichlorofluoromethane	1.92	101	117185	47.796	ug/l	99
8) Diethyl Ether	2.19	74	56019	48.236	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	72543	47.117	ug/l	99
10) Methyl Iodide	2.51	142	72719	41.510	ug/l	98
11) Tert butyl alcohol	3.06	59	146299	281.605	ug/l	99
12) 1,1-Dichloroethene	2.37	96	73486	47.637	ug/l	95
13) Acrolein	2.29	56	101623	215.993	ug/l	98
14) Allyl chloride	2.72	41	170829	45.440	ug/l	100
15) Acrylonitrile	3.14	53	325081	255.917	ug/l	100
16) Acetone	2.45	43	280020	232.354	ug/l	100
17) Carbon Disulfide	2.56	76	189452	43.743	ug/l	100
18) Methyl Acetate	2.78	43	133907	46.721	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	293777	49.041	ug/l	99
20) Methylene Chloride	2.85	84	89577	45.906	ug/l	99
21) trans-1,2-Dichloroethene	3.16	96	78162	46.720	ug/l	98
22) Diisopropyl ether	3.86	45	351139	48.569	ug/l	91
23) Vinyl Acetate	3.81	43	1441902	232.906	ug/l	99
24) 1,1-Dichloroethane	3.70	63	169440	47.508	ug/l	99
25) 2-Butanone	4.68	43	478074	255.278	ug/l	99
26) 2,2-Dichloropropane	4.59	77	96429	36.324	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	95626	47.887	ug/l	96
28) Bromochloromethane	5.02	49	68572	47.632	ug/l	99
29) Tetrahydrofuran	5.13	42	314109	260.647	ug/l	99
30) Chloroform	5.21	83	156815	48.614	ug/l	98
31) Cyclohexane	5.58	56	152510	45.962	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	128119	47.712	ug/l	100
36) 1,1-Dichloropropene	5.80	75	114427	46.552	ug/l	99
37) Ethyl Acetate	4.84	43	163873	47.849	ug/l	99
38) Carbon Tetrachloride	5.79	117	106971	47.898	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX050619\
 Data File : VX009364.D
 Acq On : 06 May 2019 20:33
 Operator : JC/SP
 Sample : K2697-06MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4-20190502MSD

Manual Integrations
 APPROVED

MMDadoda
 5/7/2019 9:42:17 AM

Quant Time: May 07 08:20:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 04 07:18:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	138258	45.800	ug/l	97
40) Benzene	6.14	78	365342	48.025	ug/l	99
41) Methacrylonitrile	5.04	41	99255	48.686	ug/l	98
42) 1,2-Dichloroethane	6.20	62	132073	48.399	ug/l	100
43) Isopropyl Acetate	6.45	43	266764	48.696	ug/l	100
44) Trichloroethene	7.21	130	85450	46.464	ug/l	98
45) 1,2-Dichloropropane	7.51	63	104000	48.281	ug/l	99
46) Dibromomethane	7.66	93	59846	47.843	ug/l	98
47) Bromodichloromethane	7.90	83	123813	49.621	ug/l	98
48) Methyl methacrylate	7.77	41	139237	51.231	ug/l	100
49) 1,4-Dioxane	7.74	88	57131	1036.532	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	948966	265.028	ug/l	100
52) Toluene	8.79	92	220429	47.668	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	134532	47.756	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	148600	47.657	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	92143	48.842	ug/l	97
56) Ethyl methacrylate	9.18	69	170829	50.727	ug/l	100
57) 1,3-Dichloropropane	9.37	76	162153	48.843	ug/l	99
59) 2-Hexanone	9.49	43	751024	267.061	ug/l	100
60) Dibromochloromethane	9.58	129	92744	50.334	ug/l	99
61) 1,2-Dibromoethane	9.67	107	93464	49.079	ug/l	99
64) Tetrachloroethene	9.34	164	75131	45.237	ug/l	98
65) Chlorobenzene	10.14	112	232428	47.988	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	85632	48.766	ug/l	100
67) Ethyl Benzene	10.25	91	423858	47.550	ug/l	99
68) m/p-Xylenes	10.36	106	314428	96.527	ug/l	98
69) o-Xylene	10.69	106	155523	48.390	ug/l	100
70) Styrene	10.71	104	272162	48.722	ug/l	100
71) Bromoform	10.85	173	72546	50.839	ug/l #	100
73) Isopropylbenzene	11.02	105	410660	46.832	ug/l	99
74) N-amyl acetate	10.90	43	239745	46.896	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	162159	49.607	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	137699m	49.229	ug/l	
77) Bromobenzene	11.26	156	104022	47.795	ug/l	98
78) n-propylbenzene	11.36	91	474353	47.367	ug/l	99
79) 2-Chlorotoluene	11.42	91	284669	46.075	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	347966	47.129	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	49289	45.087	ug/l	97
82) 4-Chlorotoluene	11.51	91	328529	47.069	ug/l	100
83) tert-Butylbenzene	11.77	119	340447	47.400	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	351910	47.485	ug/l	100
85) sec-Butylbenzene	11.94	105	402612	47.281	ug/l	100
86) p-Isopropyltoluene	12.06	119	365912	47.799	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	184892	47.654	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	183575	46.931	ug/l	98
89) n-Butylbenzene	12.38	91	330721	47.799	ug/l	100
90) Hexachloroethane	12.60	117	62228	47.714	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	190913	48.310	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	37837	51.598	ug/l	100
93) 1,2,4-Trichlorobenzene	13.65	180	132319	48.963	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050619\
Data File : VX009364.D
Acq On : 06 May 2019 20:33
Operator : JC/SP
Sample : K2697-06MSD
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-4-20190502MSD

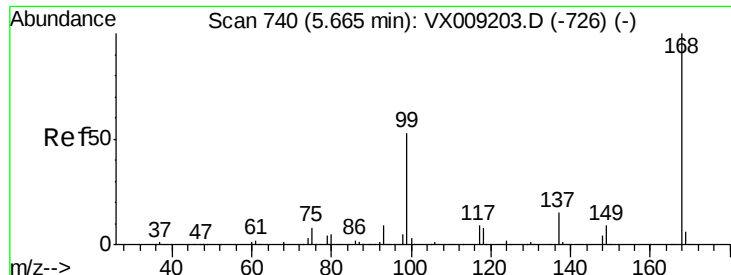
Manual Integrations
APPROVED

MMDadoda
5/7/2019 9:42:17 AM

Quant Time: May 07 08:20:01 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Sat May 04 07:18:36 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	65476	47.446	ug/l	99
95) Naphthalene	13.83	128	449279	51.101	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	134868	49.234	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: VX009364.D

Acq: 06 May 2019 20:33

Instrument :

MSVOA_X

ClientSampleId :

MW-4-20190502MSD

Tot Ion:168 Resp: 164409

Ion Ratio Lower Upper

168 100

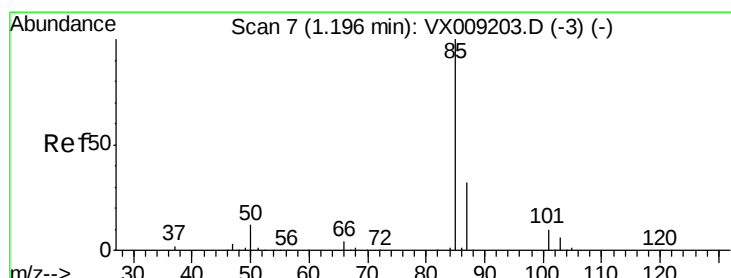
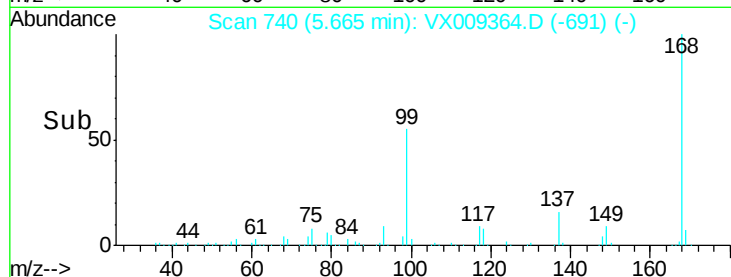
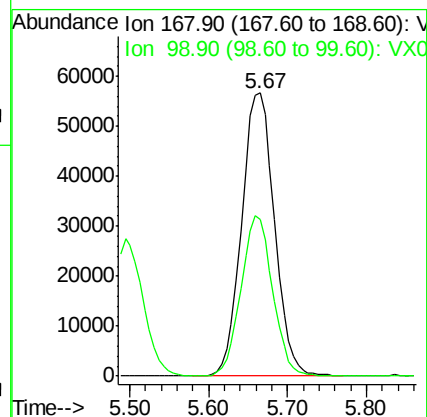
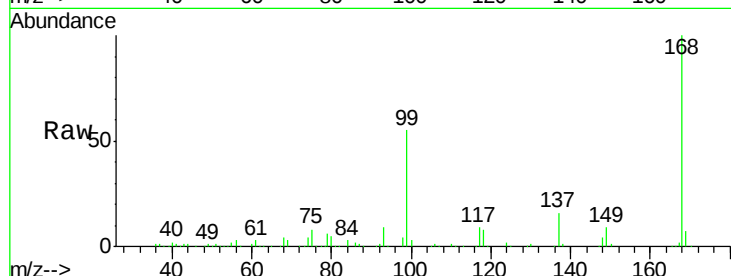
99 55.0 42.3 63.5

Manual Integrations

APPROVED

MMDadoda

5/7/2019 9:42:17 AM



#2

Dichlorodifluoromethane

Concen: 44.927 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX009364.D

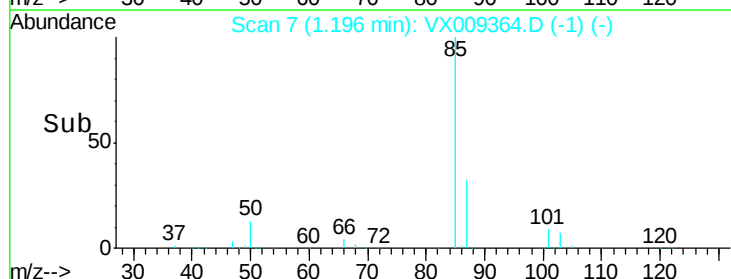
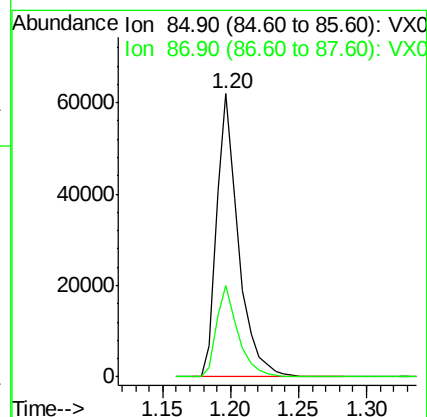
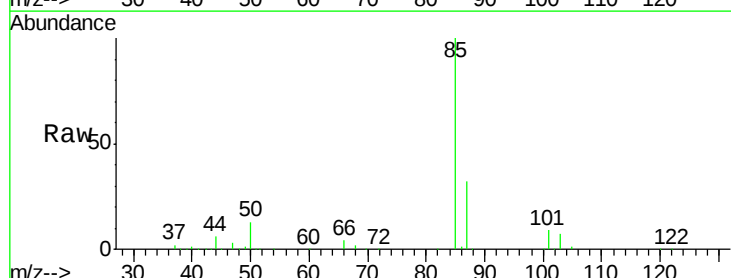
Acq: 06 May 2019 20:33

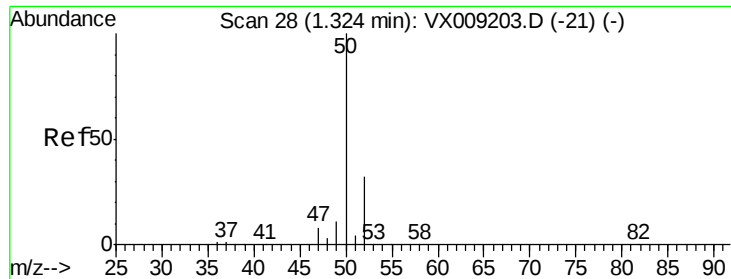
Tgt Ion: 85 Resp: 68067

Ion Ratio Lower Upper

85 100

87 32.1 16.1 48.3





#3

Chloromethane

Concen: 44.071 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009364.D

Acq: 06 May 2019 20:33

Instrument :

MSVOA_X

ClientSampleId :

MW-4-20190502MSD

Tot Ion: 50 Resp: 91158

Ion Ratio Lower Upper

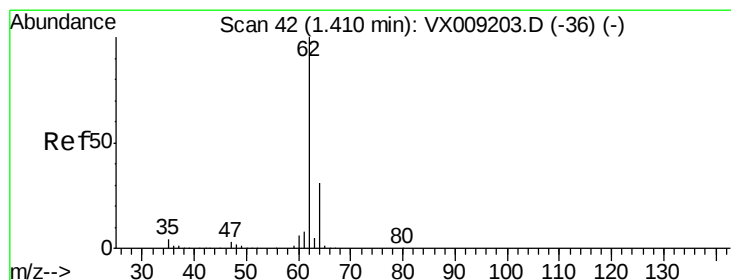
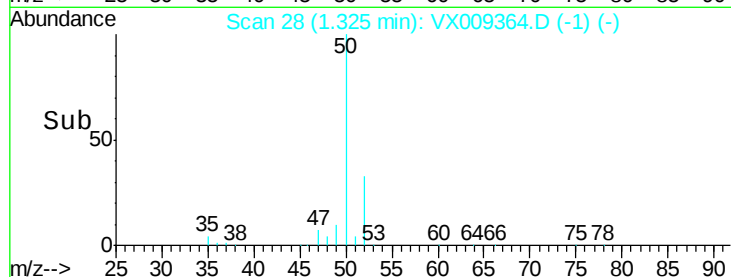
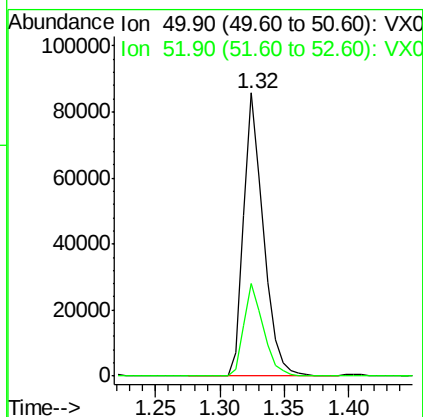
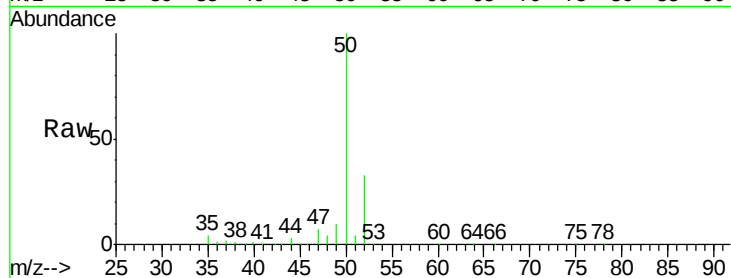
50 100

52 32.8 25.9 38.9

Manual Integrations
APPROVED

MMDadoda

5/7/2019 9:42:17 AM



#4

Vinyl Chloride

Concen: 46.667 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX009364.D

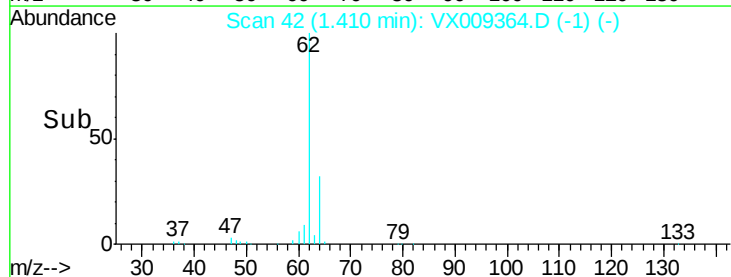
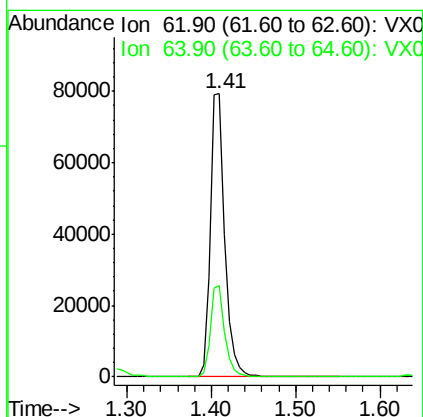
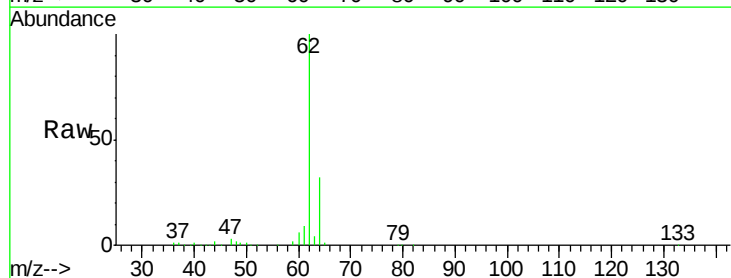
Acq: 06 May 2019 20:33

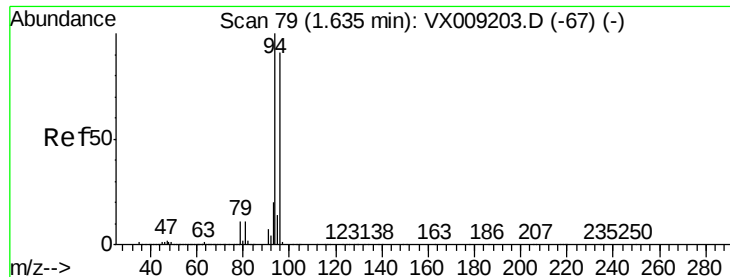
Tgt Ion: 62 Resp: 94126

Ion Ratio Lower Upper

62 100

64 32.1 24.6 36.8





#5

Bromomethane

Concen: 45.393 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009364.D

Acq: 06 May 2019 20:33

Instrument :

MSVOA_X

ClientSampleId :

MW-4-20190502MSD

Tot Ion: 94 Resp: 54954

Ion Ratio Lower Upper

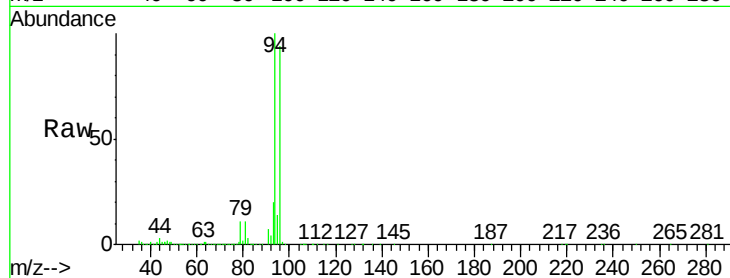
94 100

96 93.8 73.0 109.6

Manual Integrations
APPROVED

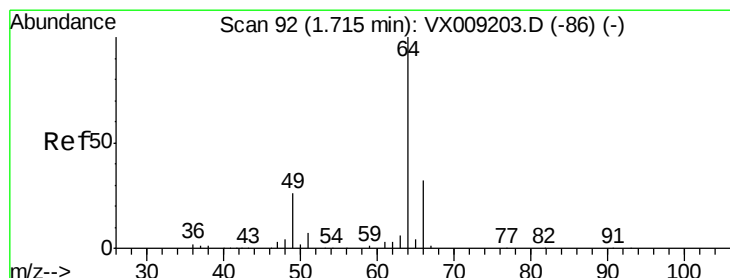
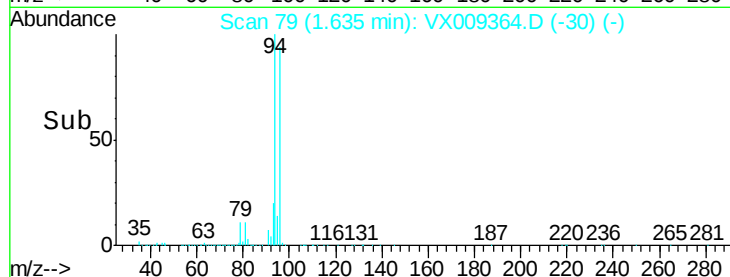
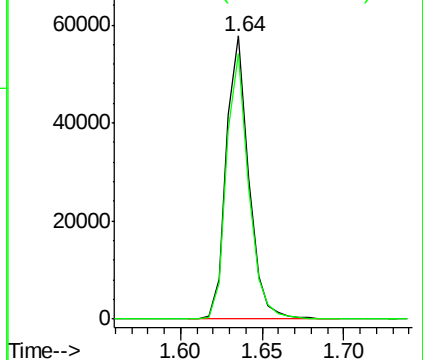
MMDadoda

5/7/2019 9:42:17 AM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 46.016 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX009364.D

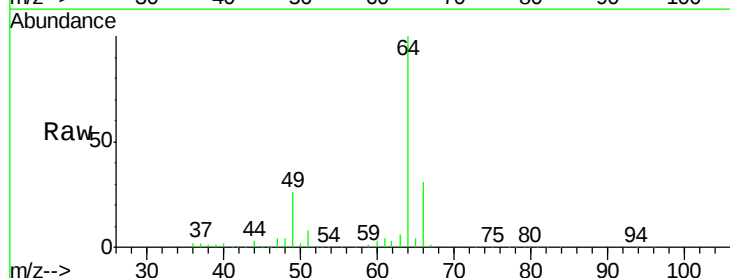
Acq: 06 May 2019 20:33

Tgt Ion: 64 Resp: 59590

Ion Ratio Lower Upper

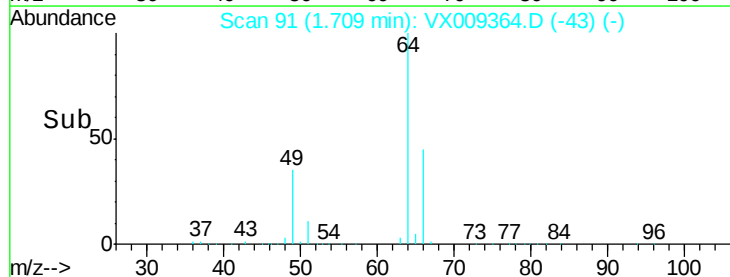
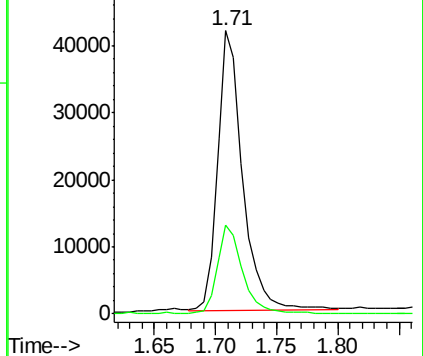
64 100

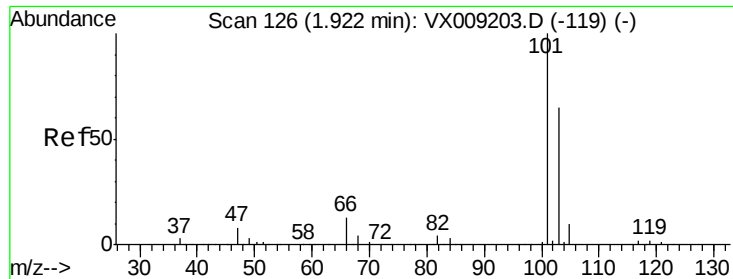
66 31.8 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

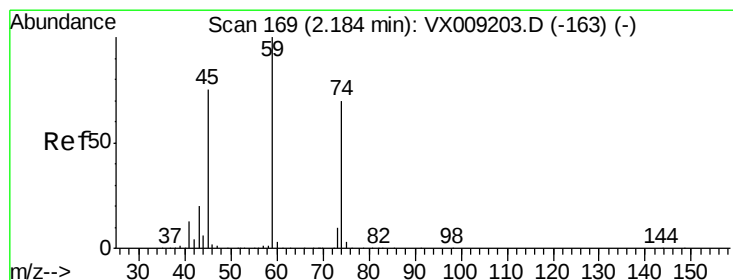
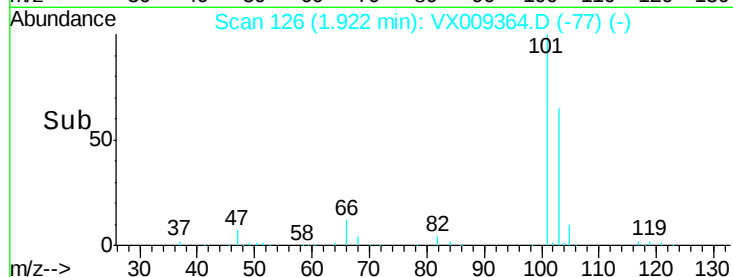
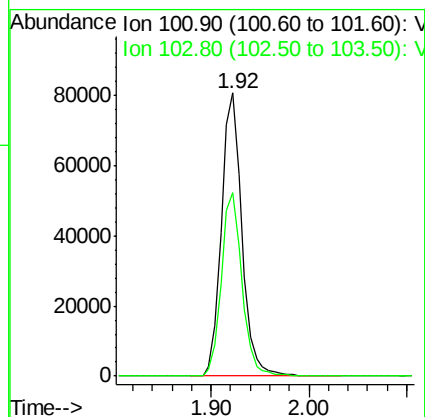
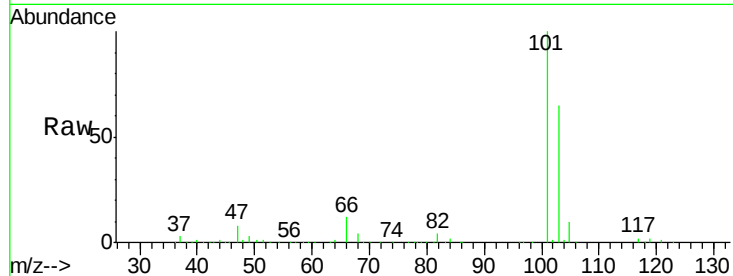
Trichlorofluoromethane
Concen: 47.796 ug/l
RT: 1.92 min Scan# 126
Delta R.T. 0.00 min
Lab File: VX009364.D
Acq: 06 May 2019 20:33

Instrument :
MSVOA_X
ClientSampleId :
MW-4-20190502MSD

Tot Ion:101 Resp: 117185
Ion Ratio Lower Upper
101 100
103 65.0 52.4 78.6

Manual Integrations
APPROVED

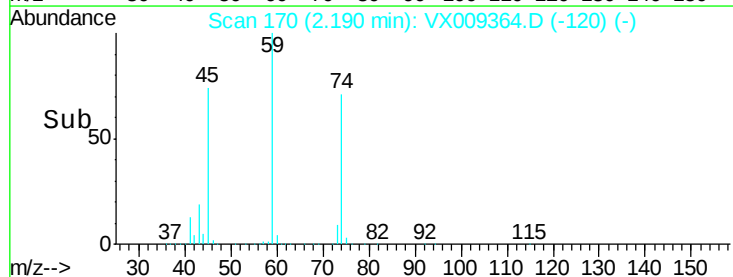
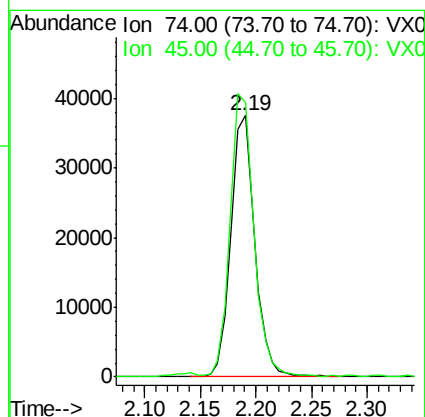
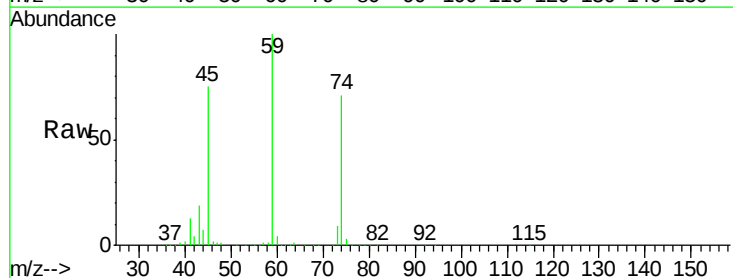
MMDadoda
5/7/2019 9:42:17 AM

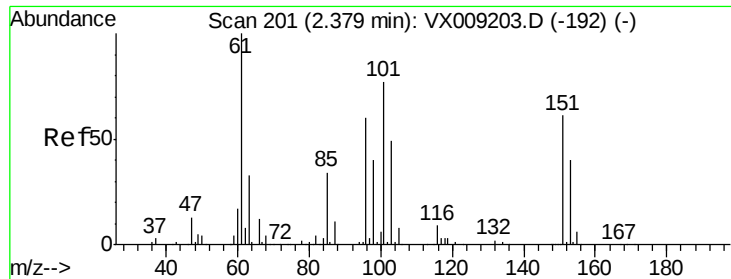


#8

Diethyl Ether
Concen: 48.236 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX009364.D
Acq: 06 May 2019 20:33

Tgt Ion: 74 Resp: 56019
Ion Ratio Lower Upper
74 100
45 107.2 53.3 159.9





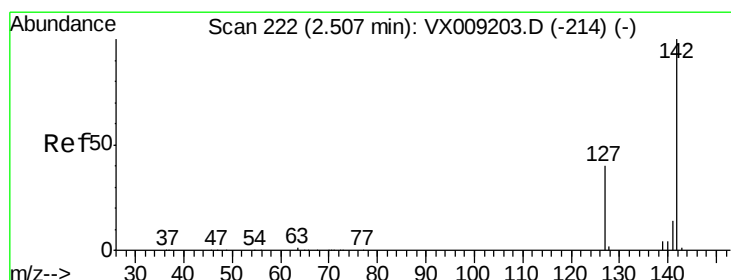
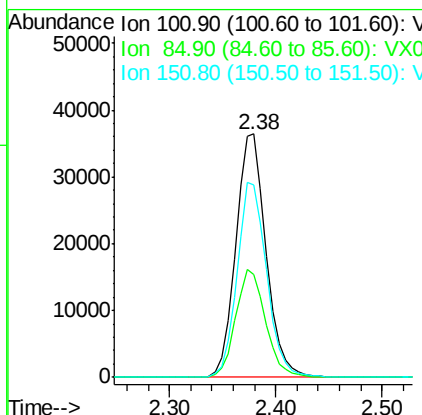
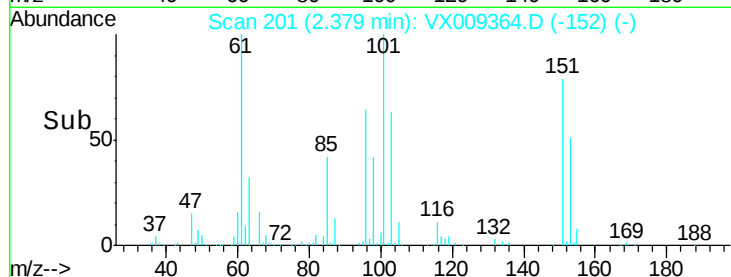
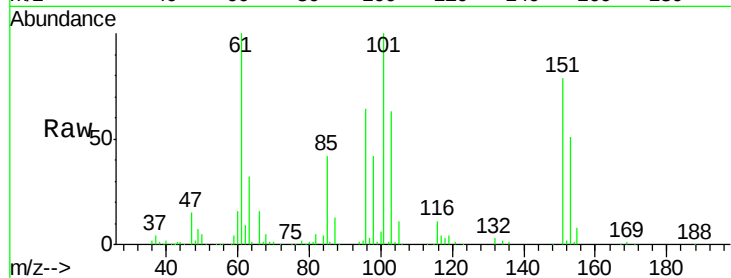
#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.117 ug/l
RT: 2.38 min Scan# 201
Delta R.T. 0.00 min
Lab File: VX009364.D
Acq: 06 May 2019 20:33

Instrument :
MSVOA_X
ClientSampleId :
MW-4-20190502MSD

Tot Ion	Ratio	Lower	Upper
101	100		
85	44.1	35.7	53.5
151	78.6	62.2	93.2

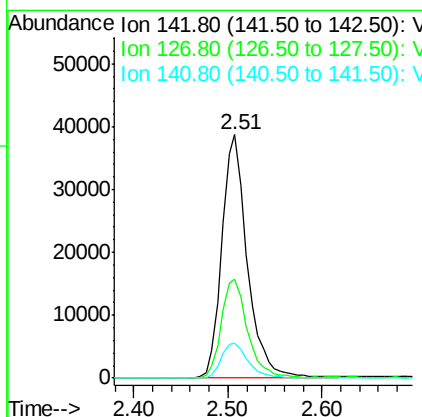
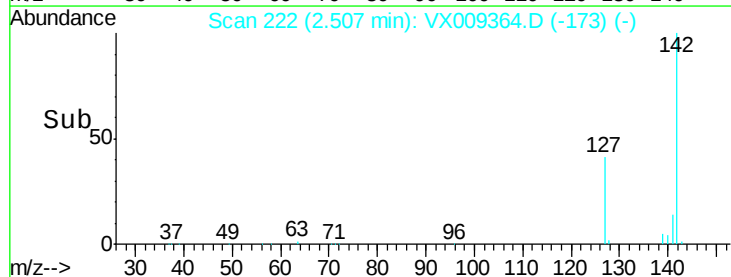
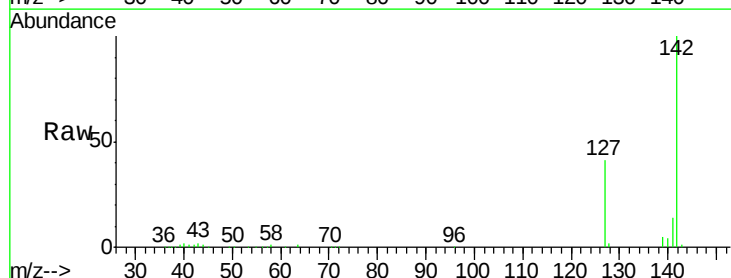
Manual Integrations
APPROVED

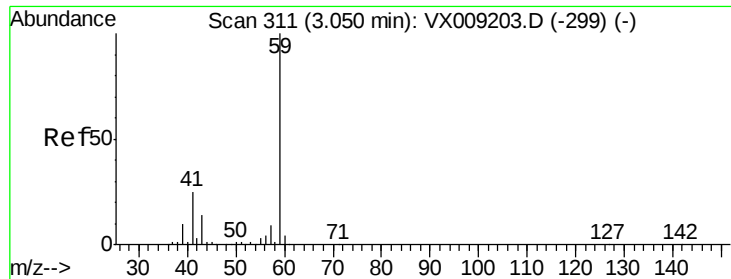
MMDadoda
5/7/2019 9:42:17 AM



#10
Methyl Iodide
Concen: 41.510 ug/l
RT: 2.51 min Scan# 222
Delta R.T. 0.00 min
Lab File: VX009364.D
Acq: 06 May 2019 20:33

Tgt Ion	Ratio	Lower	Upper
142	100		
127	41.9	32.7	49.1
141	15.0	11.5	17.3





#11

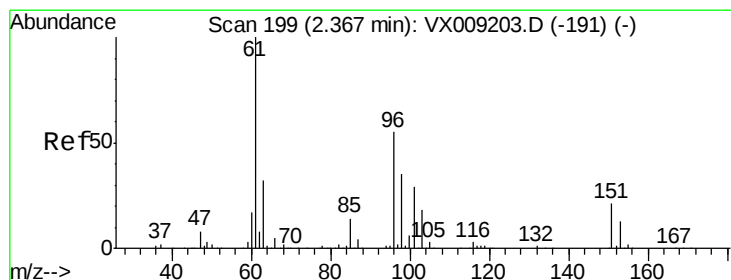
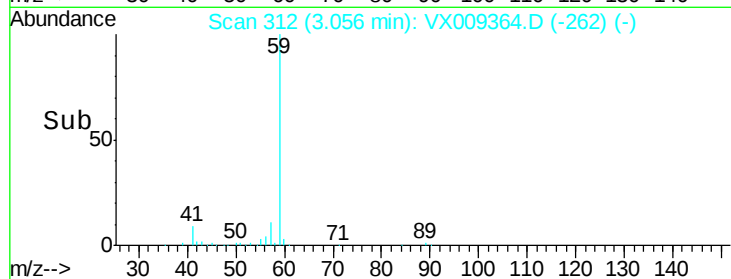
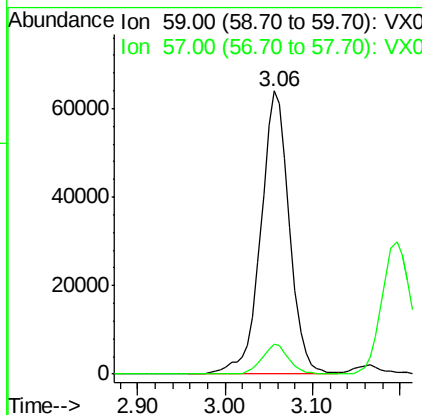
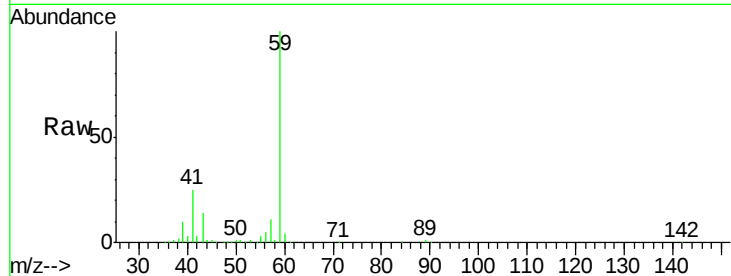
Tert butyl alcohol
Concen: 281.605 ug/l
RT: 3.06 min Scan# 312
Delta R.T. 0.01 min
Lab File: VX009364.D
Acq: 06 May 2019 20:33

Instrument :
MSVOA_X
ClientSampleId :
MW-4-20190502MSD

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.2	12.2

Manual Integrations
APPROVED

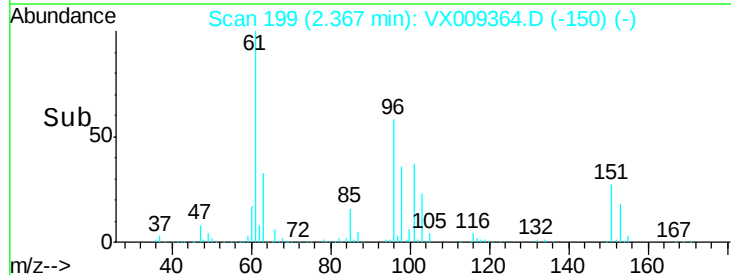
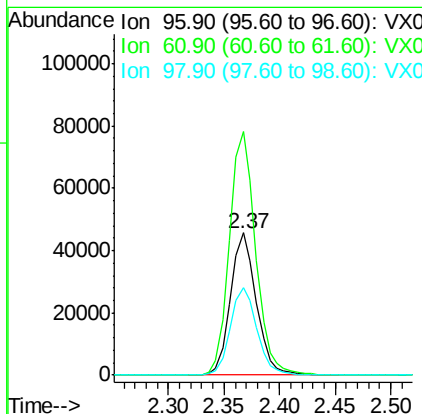
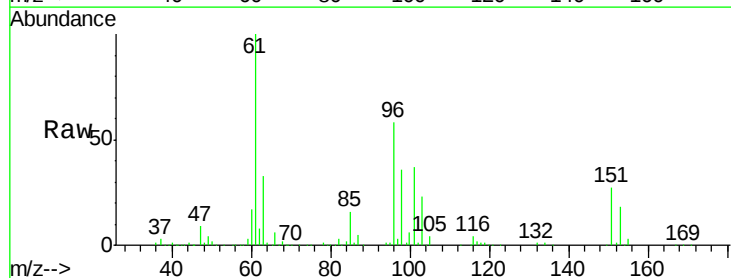
MMDadoda
5/7/2019 9:42:17 AM

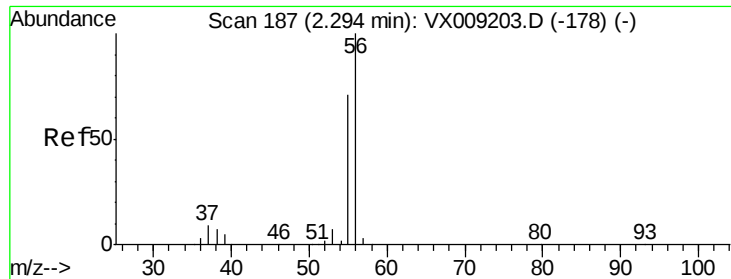


#12

1,1-Dichloroethene
Concen: 47.637 ug/l
RT: 2.37 min Scan# 199
Delta R.T. 0.00 min
Lab File: VX009364.D
Acq: 06 May 2019 20:33

Tgt Ion	Ratio	Lower	Upper
96	100		
61	171.0	144.3	216.5
98	61.5	50.3	75.5





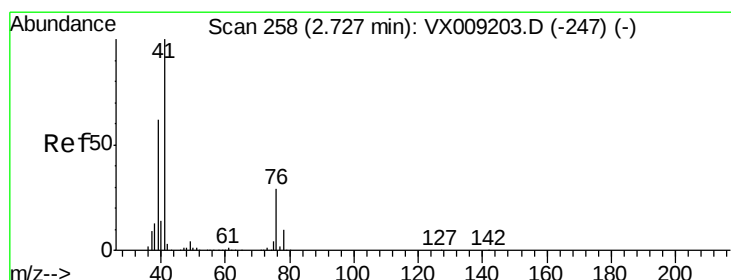
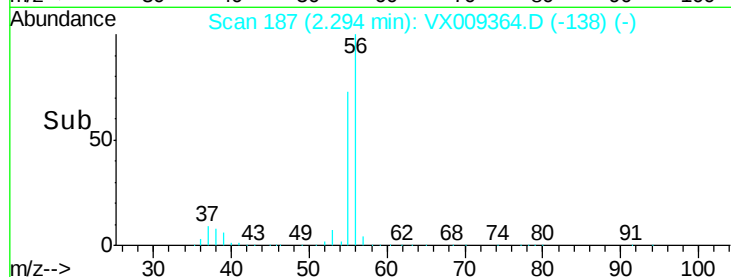
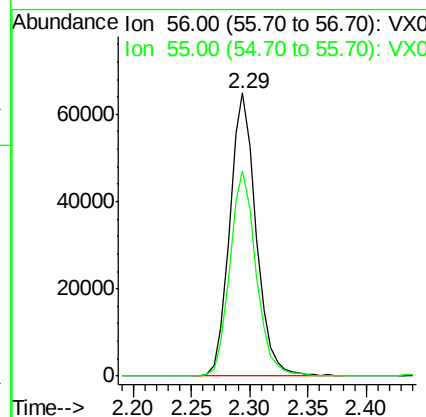
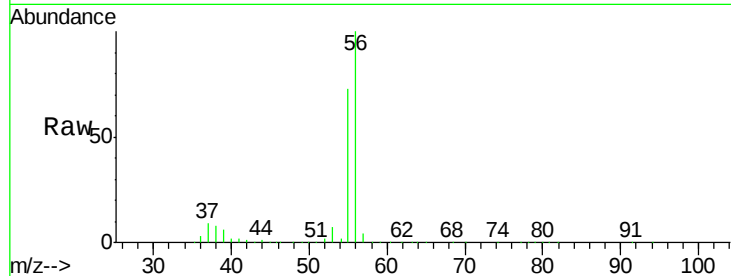
#13
Acrolein
Concen: 215.993 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX009364.D
Acq: 06 May 2019 20:33

Instrument :
MSVOA_X
ClientSampleId :
MW-4-20190502MSD

Tot Ion	56	55	Ratio	100	Resp	Lower	Upper
56	100						
55	72.5				56.6		85.0

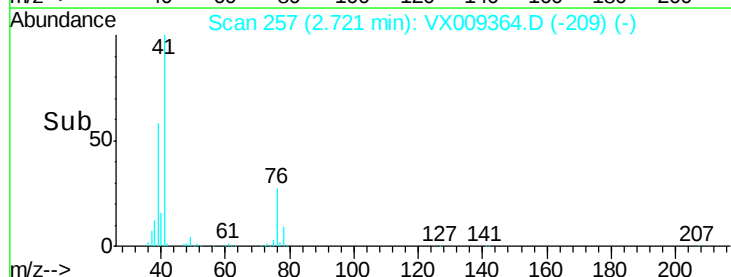
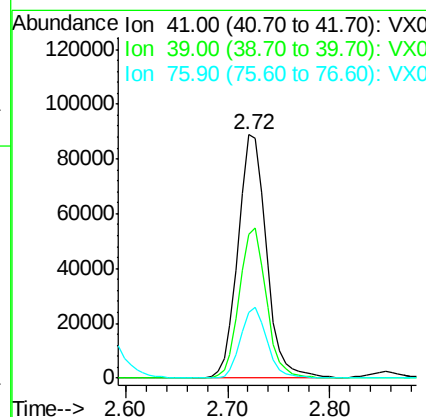
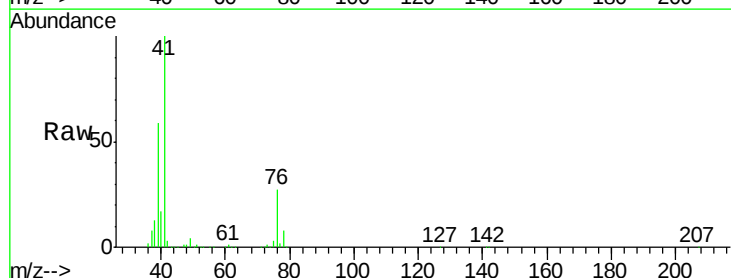
Manual Integrations
APPROVED

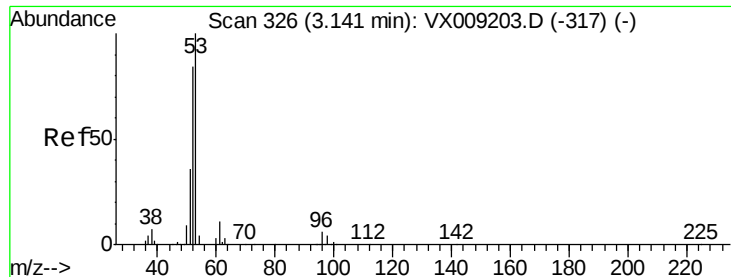
MMDadoda
5/7/2019 9:42:17 AM



#14
Allyl chloride
Concen: 45.440 ug/l
RT: 2.72 min Scan# 257
Delta R.T. -0.01 min
Lab File: VX009364.D
Acq: 06 May 2019 20:33

Tgt Ion	41	39	76	Ratio	100	58.5	27.1	Resp	170829	Lower	Upper
41	100										
39	58.5							46.7			70.1
76	27.1							21.8			32.8





#15

Acrylonitrile

Concen: 255.917 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX009364.D

Acq: 06 May 2019 20:33

Instrument :

MSVOA_X

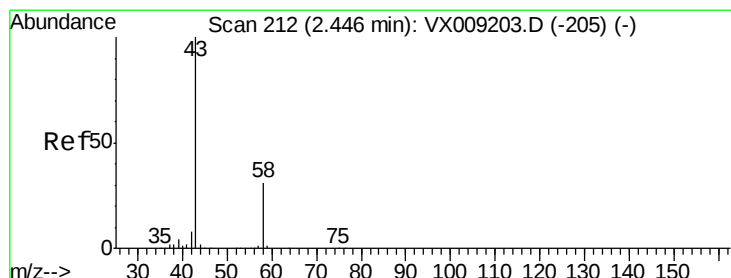
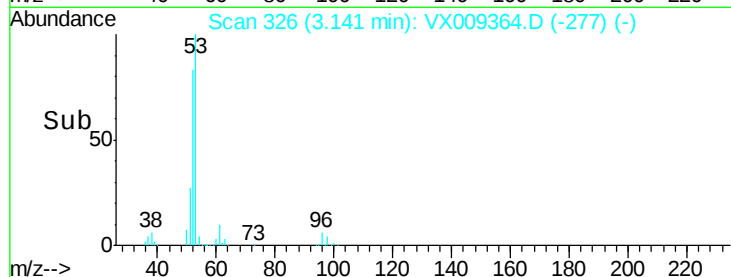
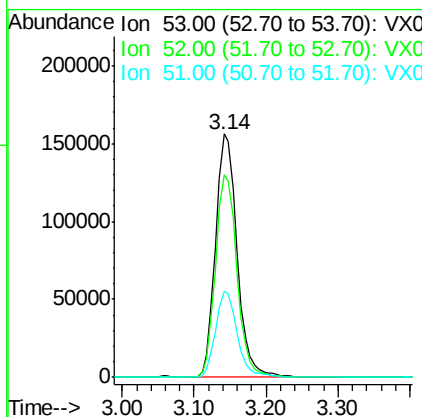
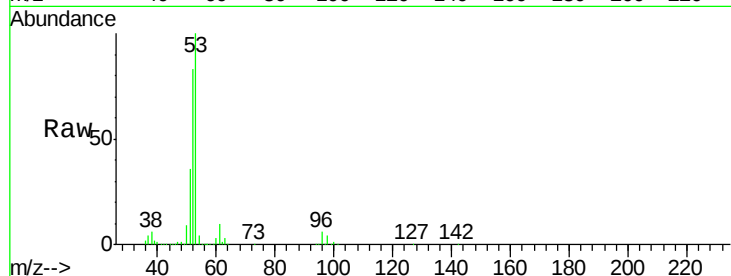
ClientSampleId :

MW-4-20190502MSD

Tot Ion:	53	Resp:	325081
Ion Ratio	Lower	Upper	
53	100		
52	83.1	66.9	100.3
51	35.3	28.2	42.2

Manual Integrations
APPROVED

MMDadoda
5/7/2019 9:42:17 AM



#16

Acetone

Concen: 232.354 ug/l

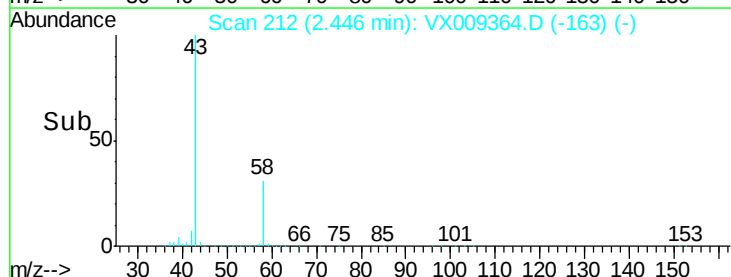
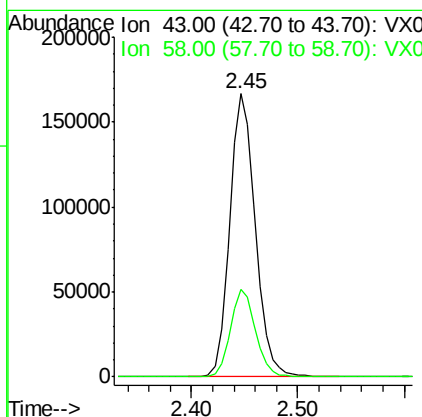
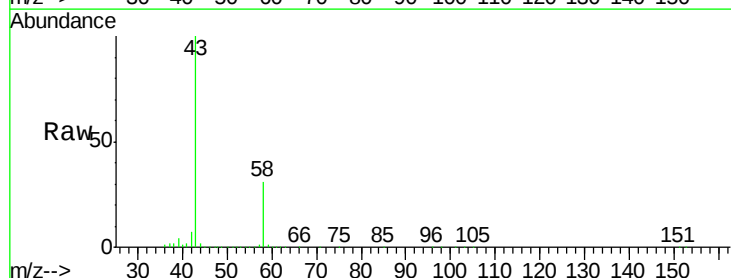
RT: 2.45 min Scan# 212

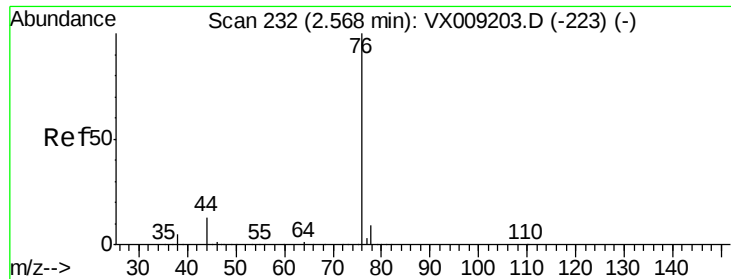
Delta R.T. 0.00 min

Lab File: VX009364.D

Acq: 06 May 2019 20:33

Tgt Ion:	43	Resp:	280020
Ion Ratio	Lower	Upper	
43	100		
58	30.9	24.9	37.3





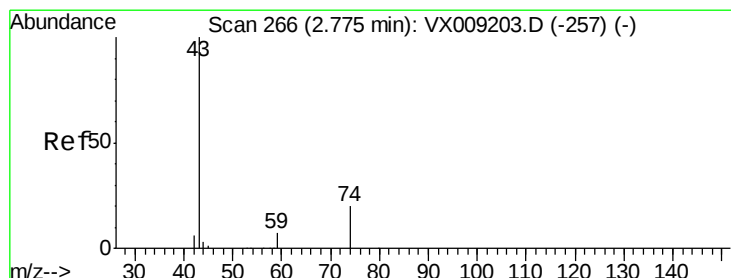
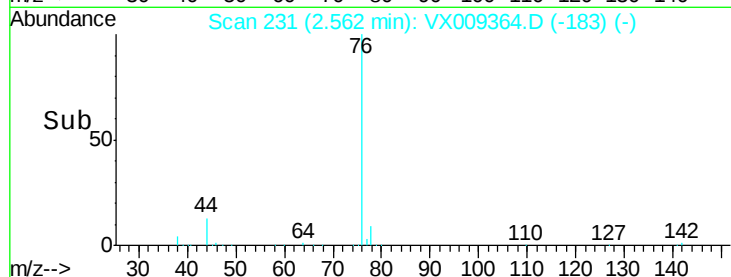
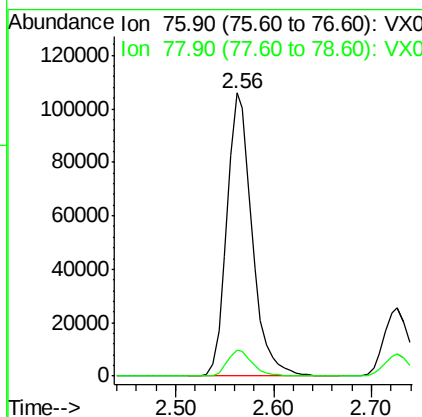
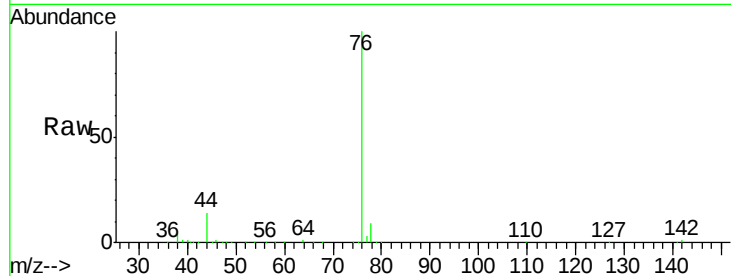
#17
Carbon Disulfide
Concen: 43.743 ug/l
RT: 2.56 min Scan# 231
Delta R.T. -0.01 min
Lab File: VX009364.D
Acq: 06 May 2019 20:33

Instrument :
MSVOA_X
ClientSampleId :
MW-4-20190502MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.4	11.0

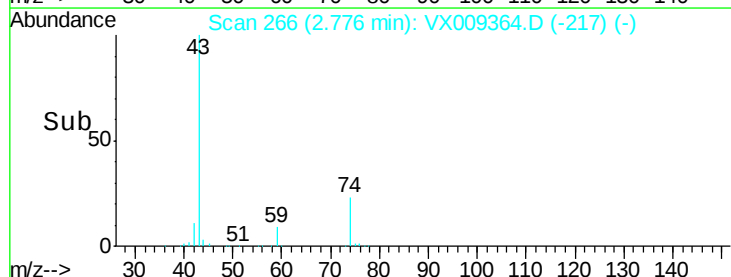
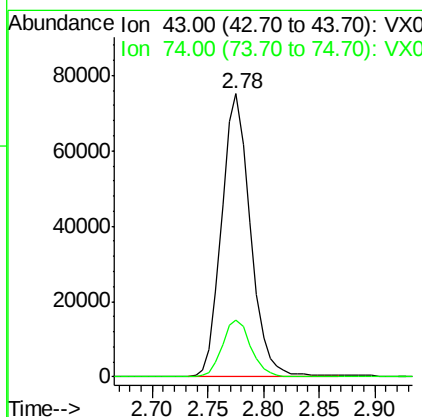
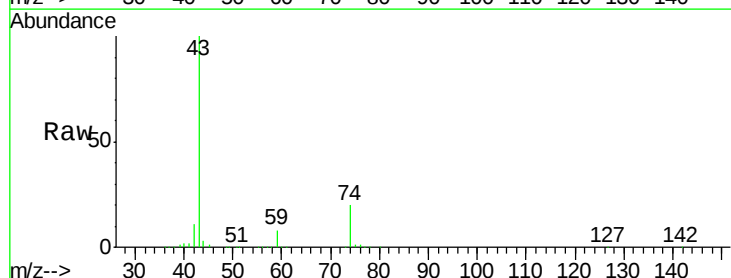
Manual Integrations
APPROVED

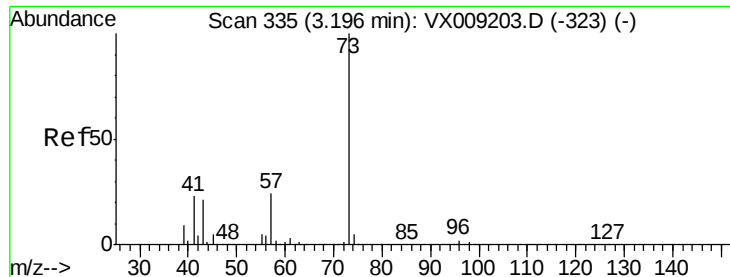
MMDadoda
5/7/2019 9:42:17 AM



#18
Methyl Acetate
Concen: 46.721 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX009364.D
Acq: 06 May 2019 20:33

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.4	16.2	24.4





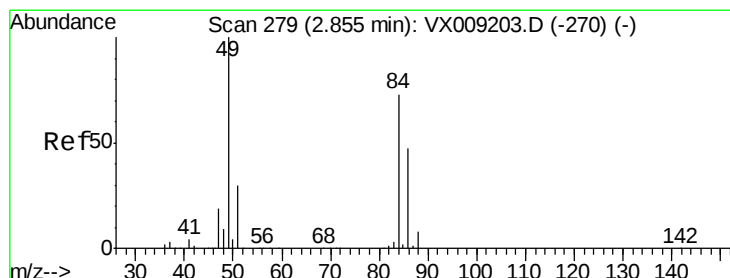
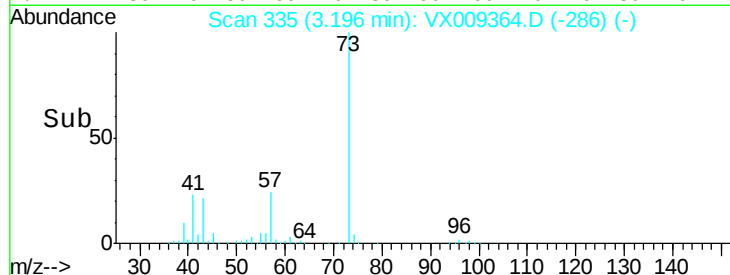
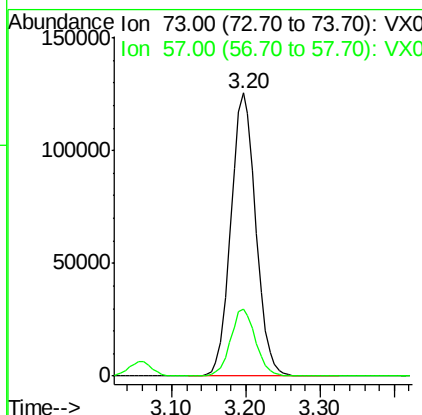
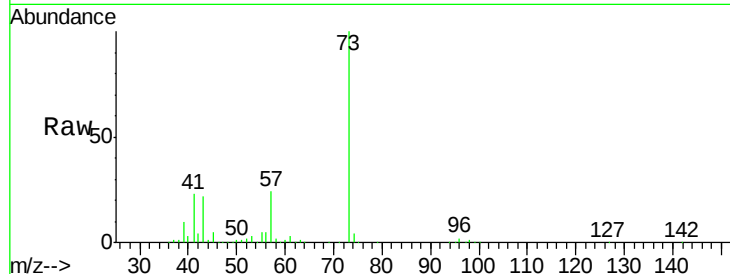
#19
Methyl tert-butyl Ether
Concen: 49.041 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX009364.D
Acq: 06 May 2019 20:33

Instrument :
MSVOA_X
ClientSampleId :
MW-4-20190502MSD

Tot Ion	Ion	Ratio	Lower	Upper
73	73	100		
57	57	23.7	19.3	28.9

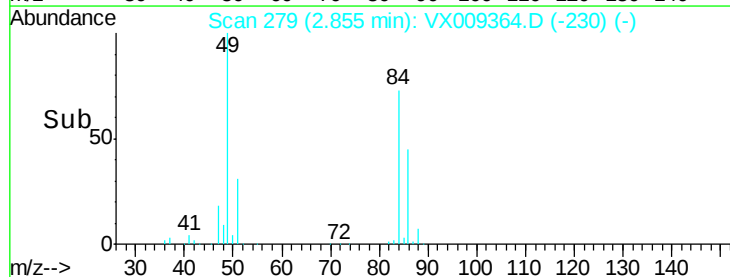
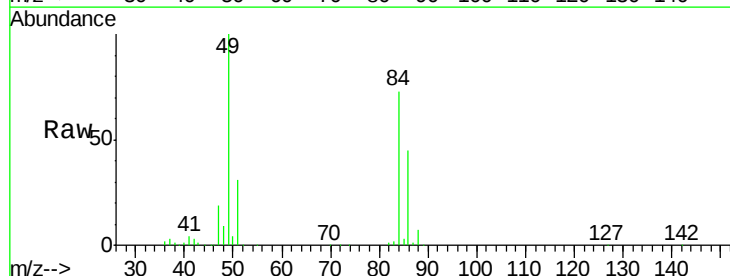
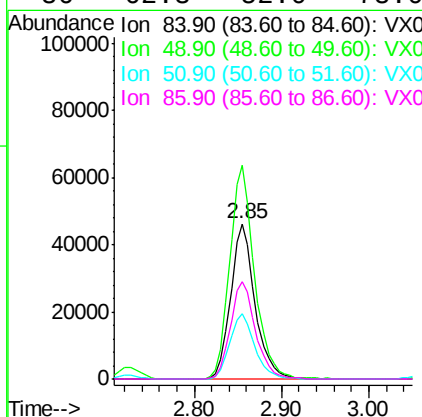
Manual Integrations
APPROVED

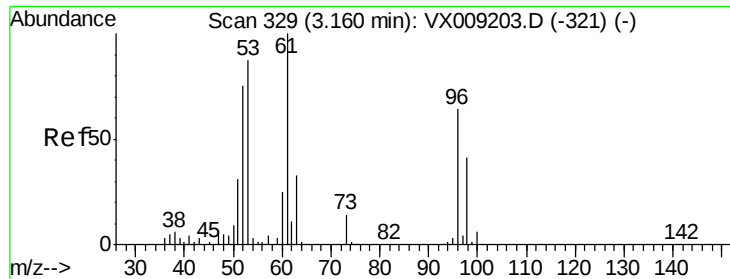
MMDadoda
5/7/2019 9:42:17 AM



#20
Methylene Chloride
Concen: 45.906 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX009364.D
Acq: 06 May 2019 20:33

Tgt Ion	Ion	Ratio	Lower	Upper
84	84	100		
49	49	137.3	109.9	164.9
51	51	42.1	32.7	49.1
86	86	62.3	52.0	78.0





#21

trans-1,2-Dichloroethene

Concen: 46.720 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX009364.D

Acq: 06 May 2019 20:33

Instrument :

MSVOA_X

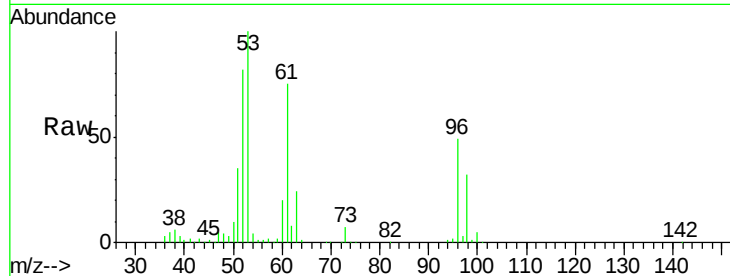
ClientSampleId :

MW-4-20190502MSD

Tot Ion:	96	Resp:	78162
Ion	Ratio	Lower	Upper
96	100		
61	152.9	124.5	186.7
98	64.3	50.4	75.6

Manual Integrations
APPROVED

MMDadoda
5/7/2019 9:42:17 AM

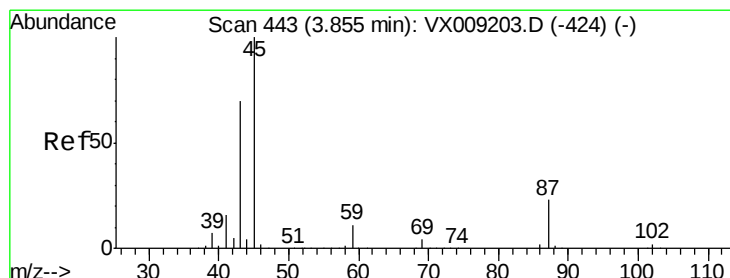
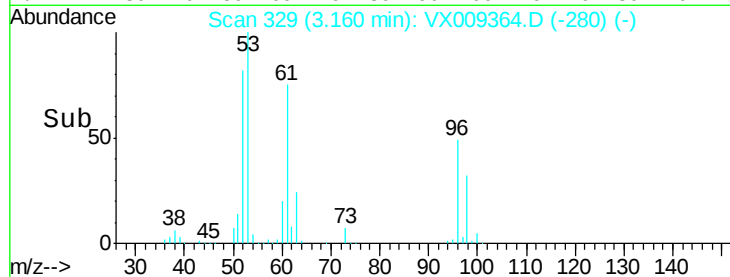
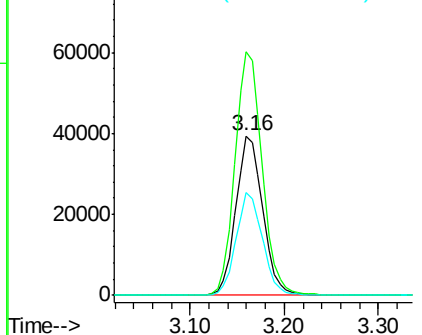


Abundance

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: 48.569 ug/l

RT: 3.86 min Scan# 444

Delta R.T. 0.01 min

Lab File: VX009364.D

Acq: 06 May 2019 20:33

Tgt Ion:	45	Resp:	351139
Ion	Ratio	Lower	Upper
45	100		
43	60.0	56.1	84.1
87	23.1	18.1	27.1
59	10.5	8.5	12.7

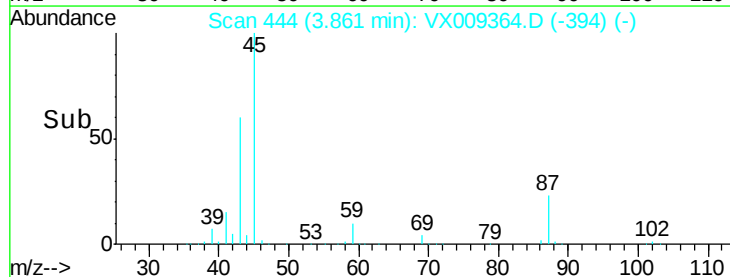
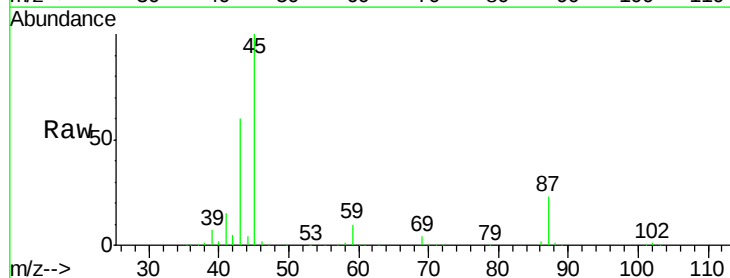
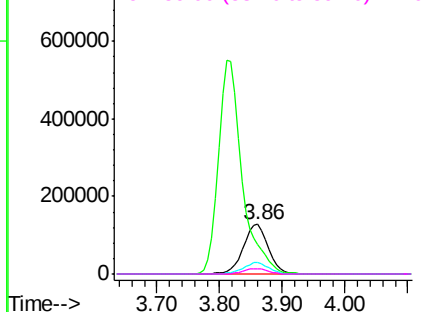
Abundance

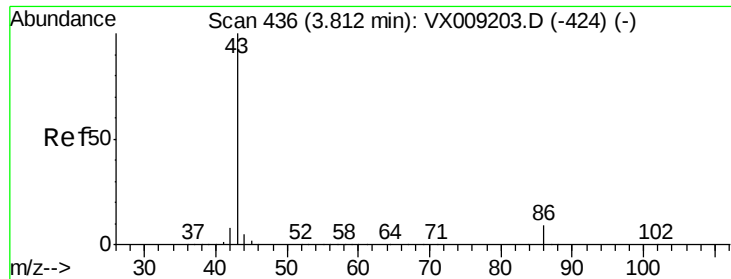
Ion 45.00 (44.70 to 45.70): VX0

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: 232.906 ug/l

RT: 3.81 min Scan# 436

Delta R.T. 0.00 min

Lab File: VX009364.D

Acq: 06 May 2019 20:33

Instrument :

MSVOA_X

ClientSampleId :

MW-4-20190502MSD

Tot Ion: 43 Resp: 1441902

Ion Ratio Lower Upper

43 100

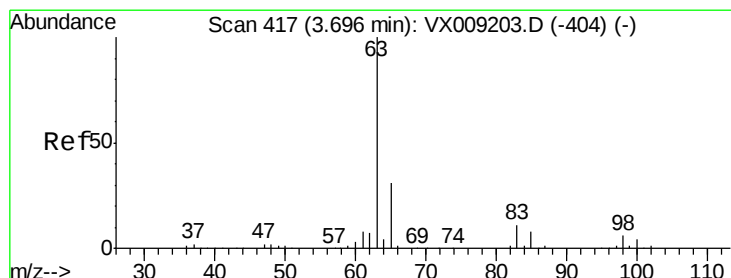
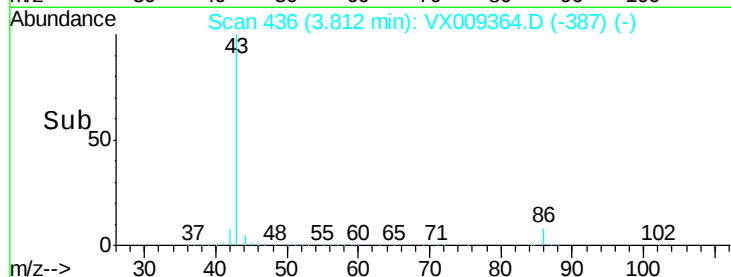
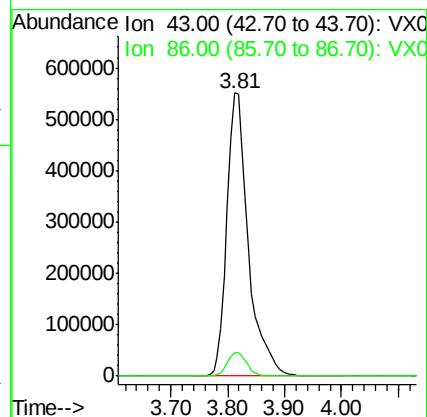
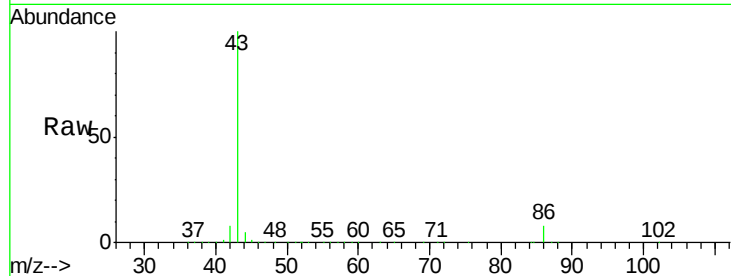
86 8.4 6.9 10.3

Manual Integrations

APPROVED

MMDadoda

5/7/2019 9:42:17 AM



#24

1,1-Dichloroethane

Concen: 47.508 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX009364.D

Acq: 06 May 2019 20:33

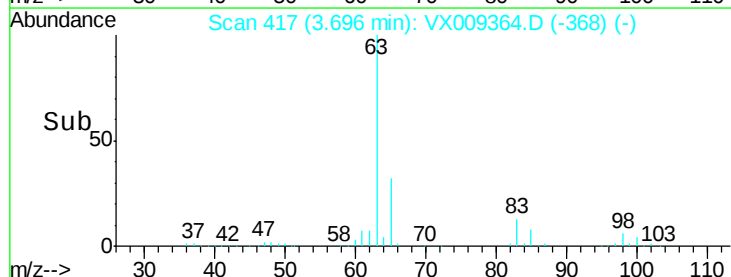
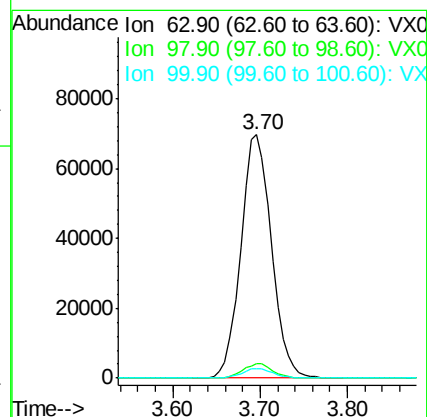
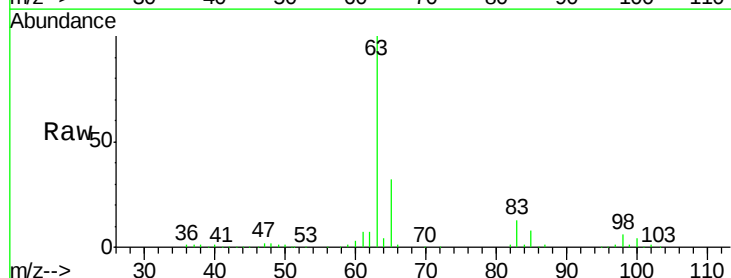
Tgt Ion: 63 Resp: 169440

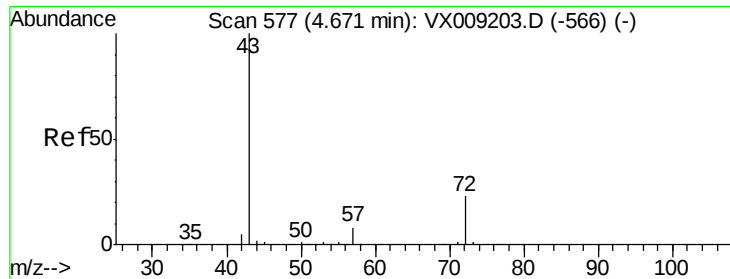
Ion Ratio Lower Upper

63 100

98 5.8 3.0 9.2

100 3.9 2.0 6.0





#25

2-Butanone

Concen: 255.278 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.01 min

Lab File: VX009364.D

Acq: 06 May 2019 20:33

Instrument :

MSVOA_X

ClientSampleId :

MW-4-20190502MSD

Tot Ion: 43 Resp: 478074

Ion Ratio Lower Upper

43 100

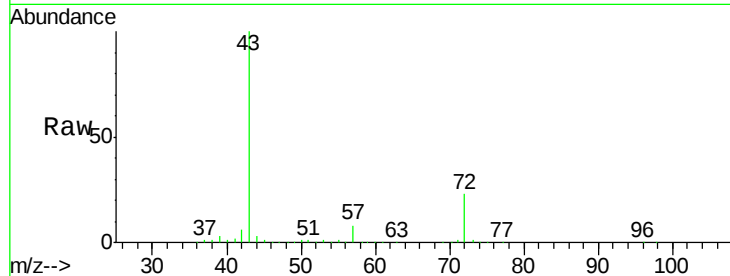
72 23.0 18.2 27.2

Manual Integrations

APPROVED

MMDadoda

5/7/2019 9:42:17 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

200000

150000

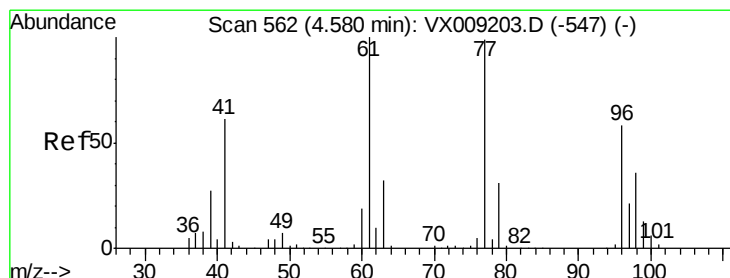
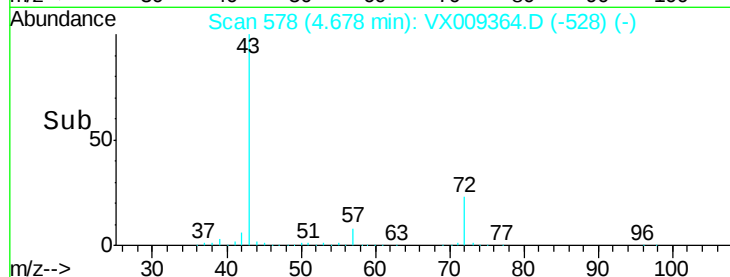
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 36.324 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX009364.D

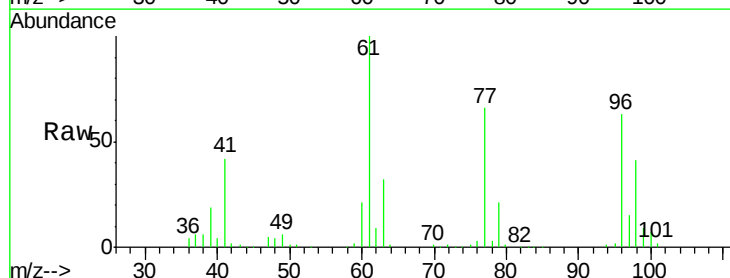
Acq: 06 May 2019 20:33

Tgt Ion: 77 Resp: 96429

Ion Ratio Lower Upper

77 100

97 23.9 11.5 34.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

30000

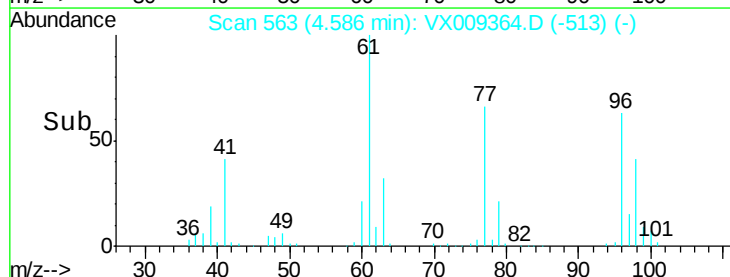
20000

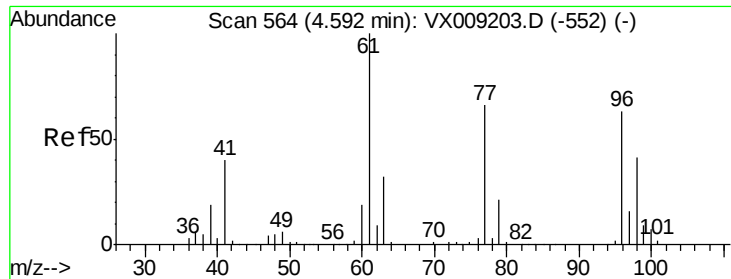
10000

0

4.50 4.60 4.70

Time-->





#27

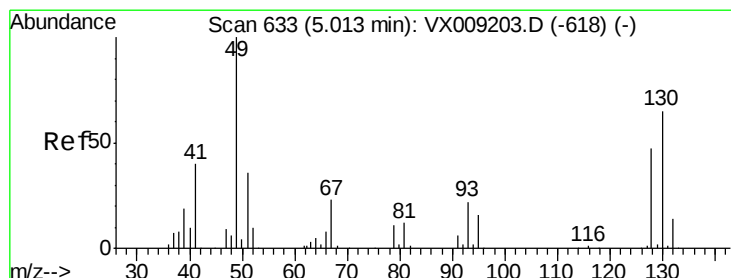
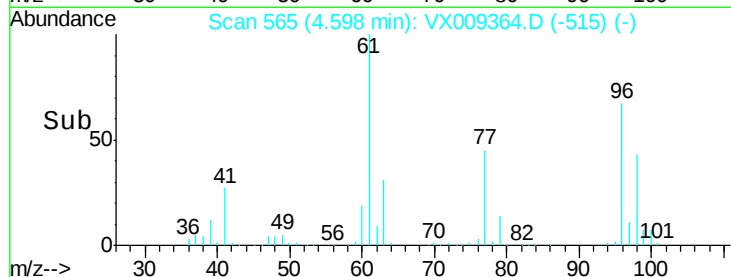
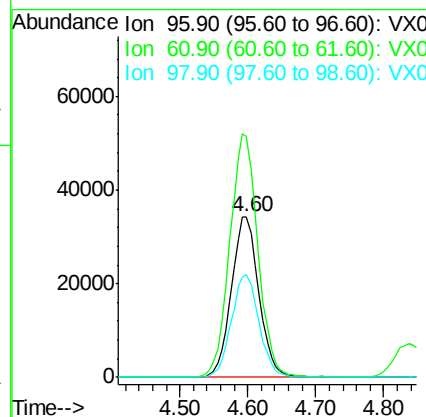
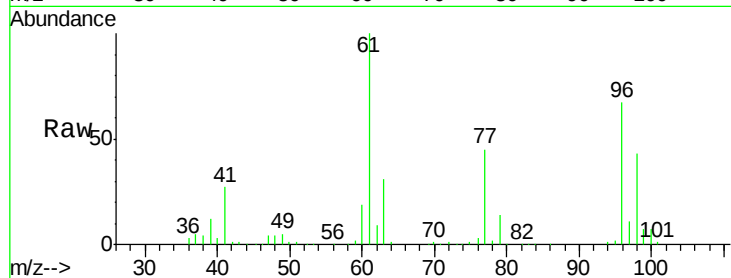
cis-1,2-Dichloroethene
Concen: 47.887 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX009364.D
Acq: 06 May 2019 20:33

Instrument :
MSVOA_X
ClientSampleId :
MW-4-20190502MSD

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	155.5	0.0	324.0	
98	64.4	0.0	130.4	

Manual Integrations
APPROVED

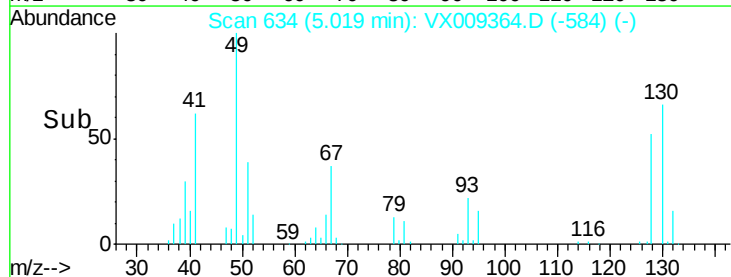
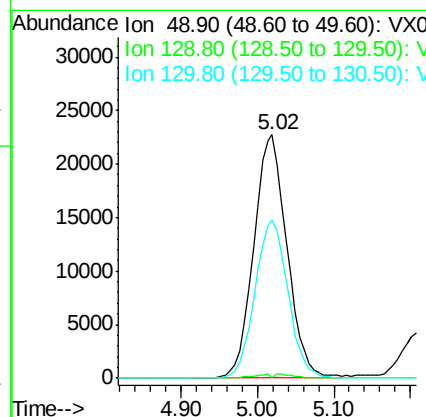
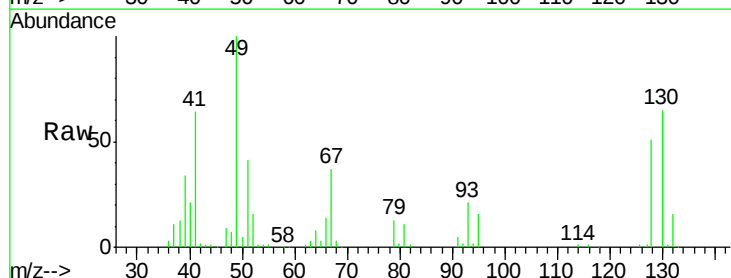
MMDadoda
5/7/2019 9:42:17 AM

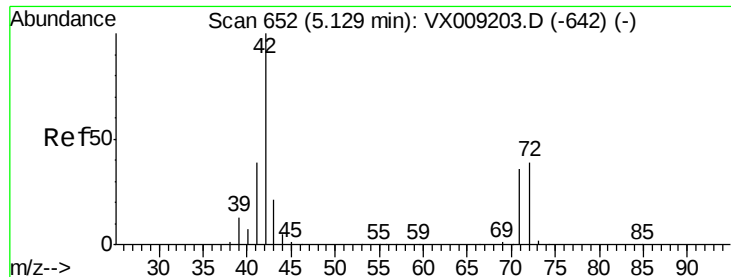


#28

Bromochloromethane
Concen: 47.632 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.01 min
Lab File: VX009364.D
Acq: 06 May 2019 20:33

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	0.9	0.0	3.8	
130	64.7	51.2	76.8	





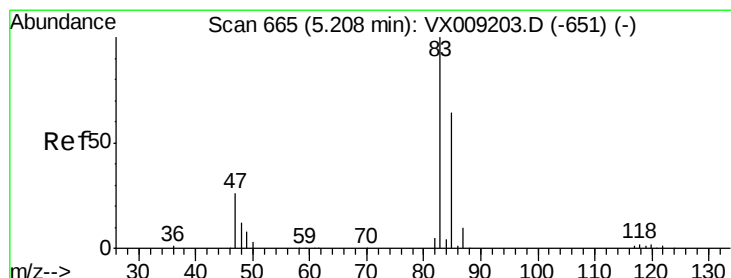
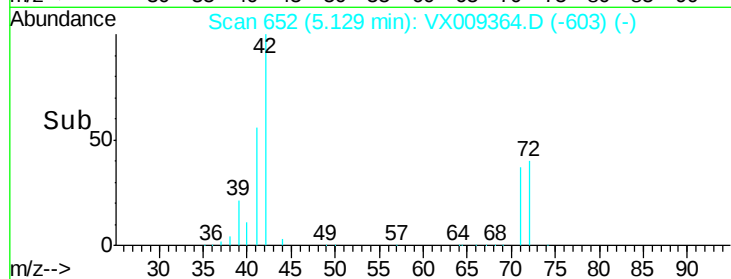
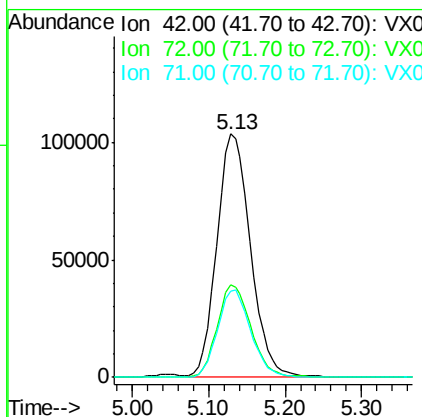
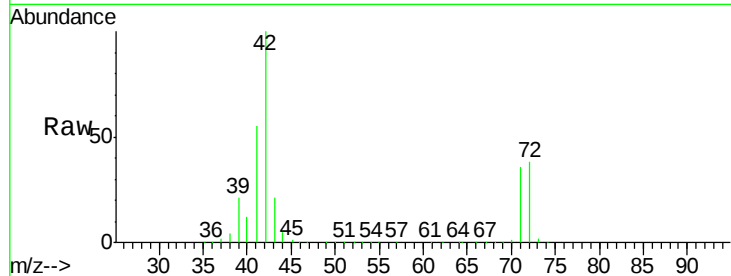
#29
Tetrahydrofuran
Concen: 260.647 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.00 min
Lab File: VX009364.D
Acq: 06 May 2019 20:33

Instrument :
MSVOA_X
ClientSampleId :
MW-4-20190502MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.6	30.4	45.6
71	35.5	28.6	43.0

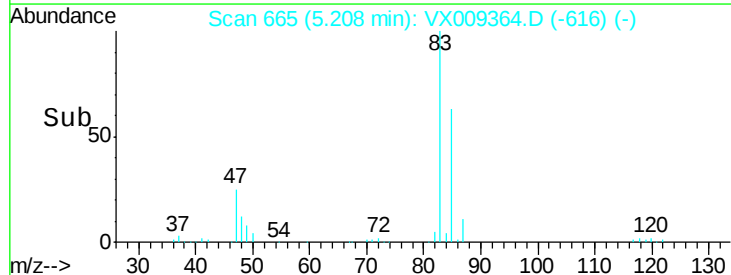
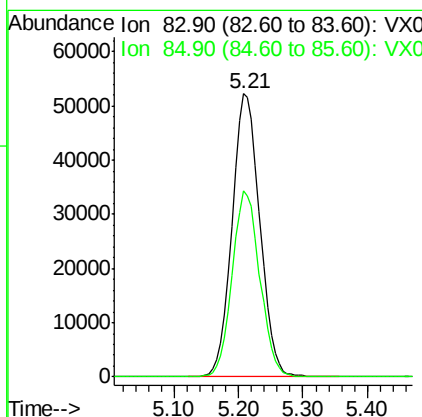
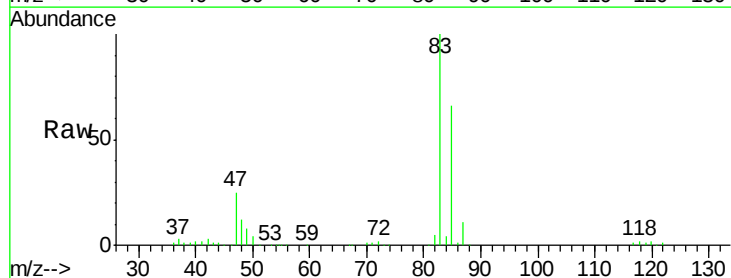
Manual Integrations
APPROVED

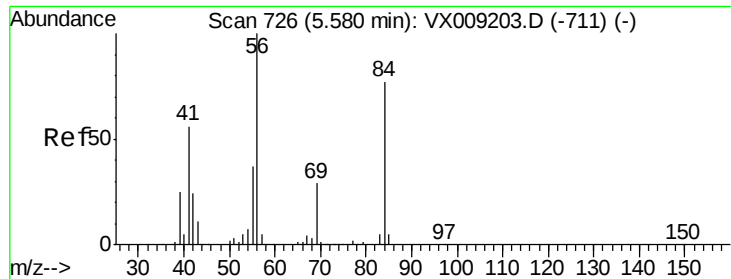
MMDadoda
5/7/2019 9:42:17 AM



#30
Chloroform
Concen: 48.614 ug/l
RT: 5.21 min Scan# 665
Delta R.T. 0.00 min
Lab File: VX009364.D
Acq: 06 May 2019 20:33

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	51.5	77.3





#31

Cyclohexane

Concen: 45.962 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX009364.D

Acq: 06 May 2019 20:33

Instrument :

MSVOA_X

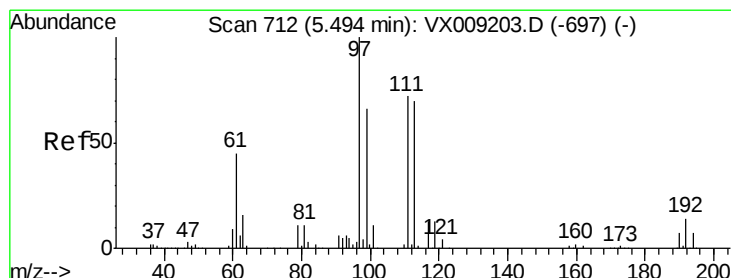
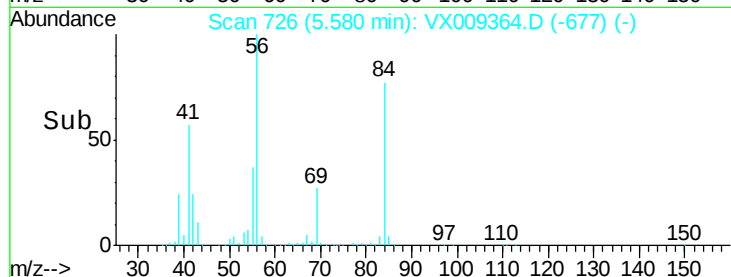
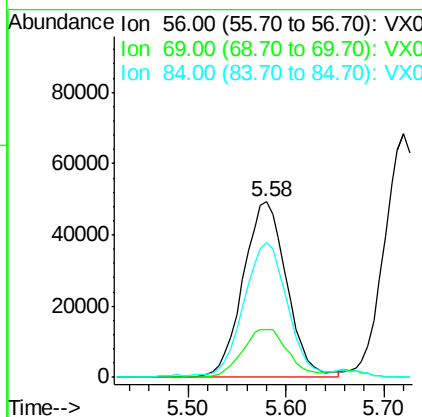
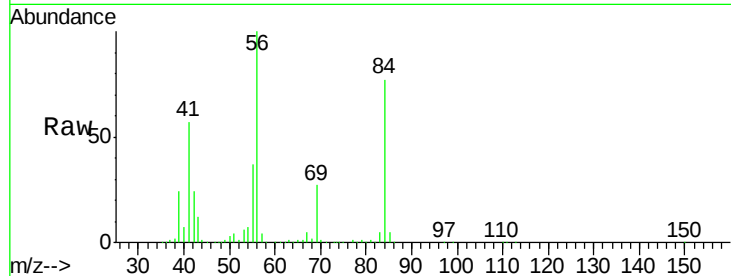
ClientSampleId :

MW-4-20190502MSD

Tot Ion:	56	Resp:	152510
Ion	Ratio	Lower	Upper
56	100		
69	27.2	23.4	35.0
84	75.8	61.9	92.9

Manual Integrations
APPROVED

MMDadoda
5/7/2019 9:42:17 AM



#32

1,1,1-Trichloroethane

Concen: 47.712 ug/l

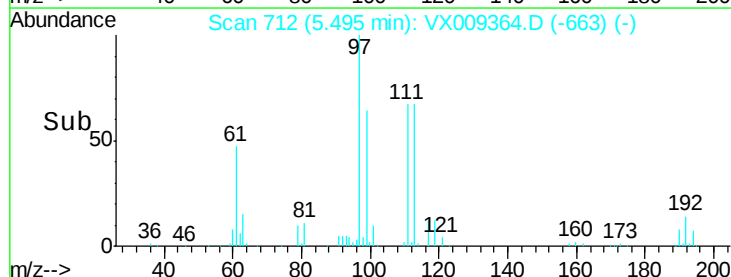
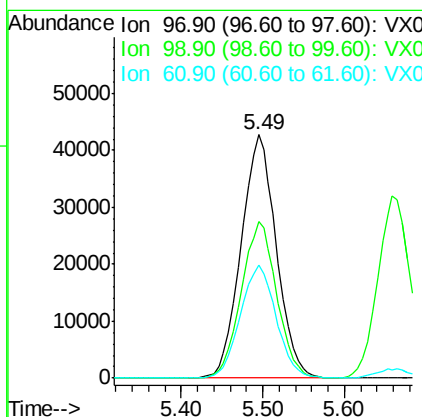
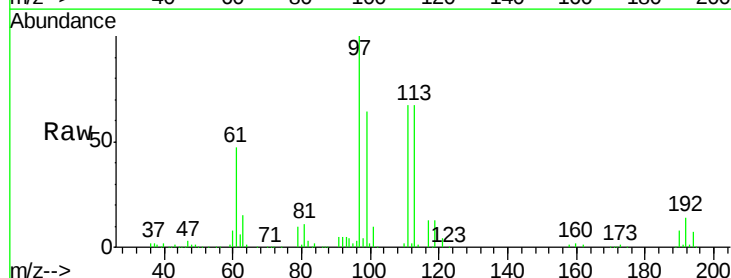
RT: 5.49 min Scan# 712

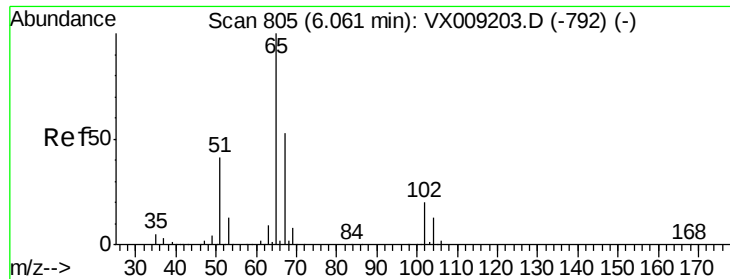
Delta R.T. 0.00 min

Lab File: VX009364.D

Acq: 06 May 2019 20:33

Tgt Ion:	97	Resp:	128119
Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.8	77.8
61	47.4	37.8	56.8





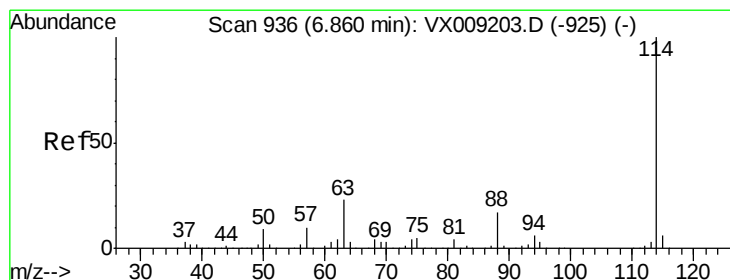
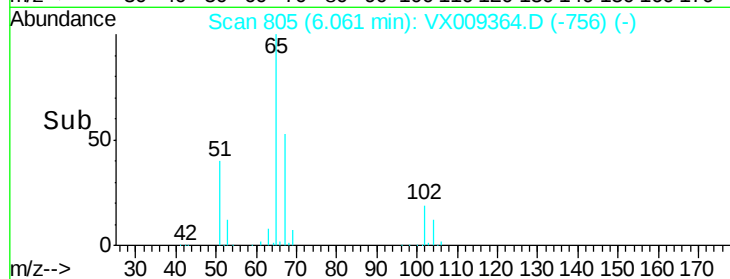
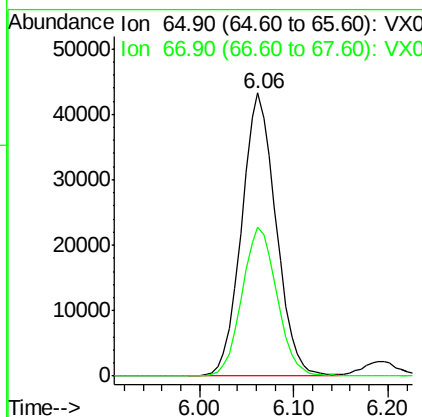
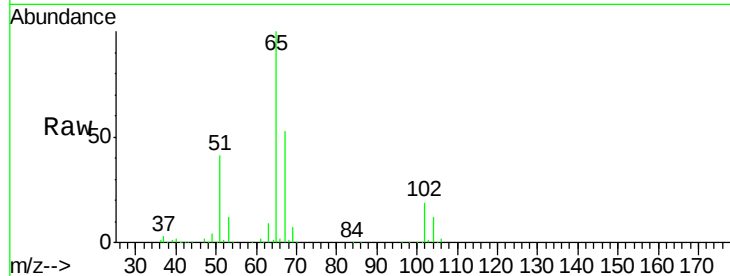
#33
 1,2-Dichloroethane-d4
 Concen: 49.369 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX009364.D
 Acq: 06 May 2019 20:33

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4-20190502MSD

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.4	0.0	106.6	

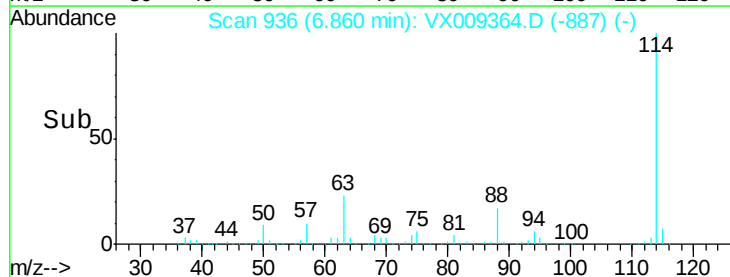
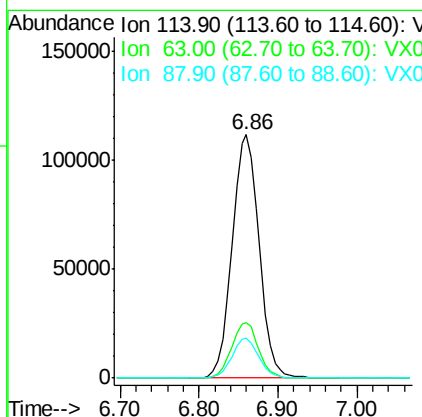
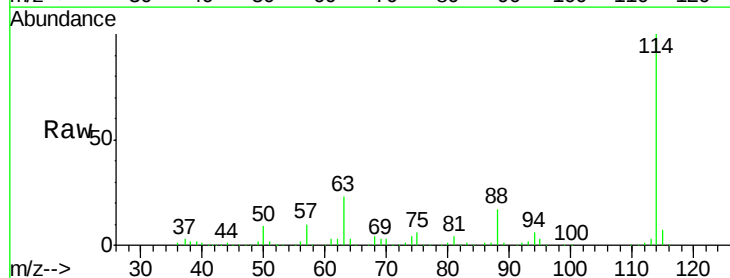
Manual Integrations
 APPROVED

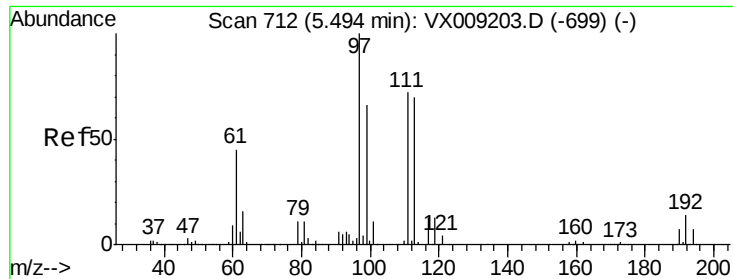
MMDadoda
 5/7/2019 9:42:17 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009364.D
 Acq: 06 May 2019 20:33

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	22.8	0.0	45.6	
88	16.6	0.0	33.2	





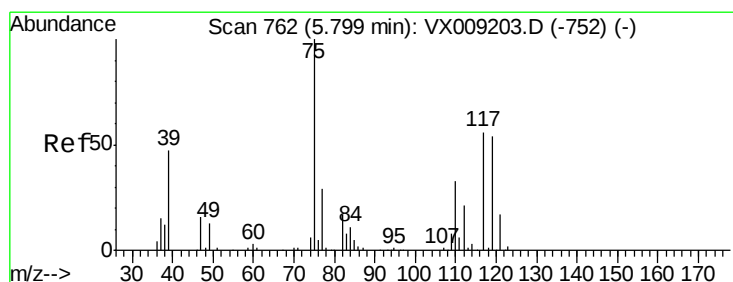
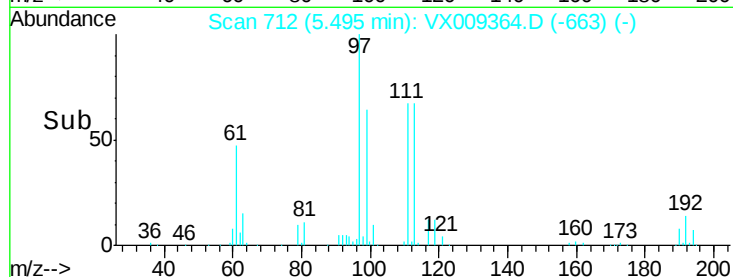
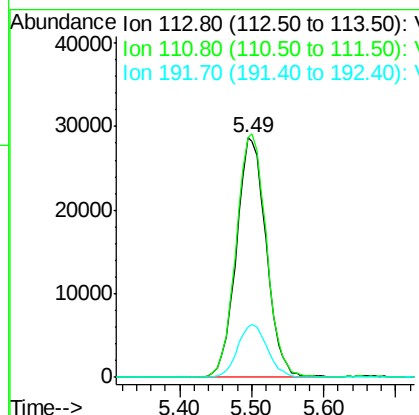
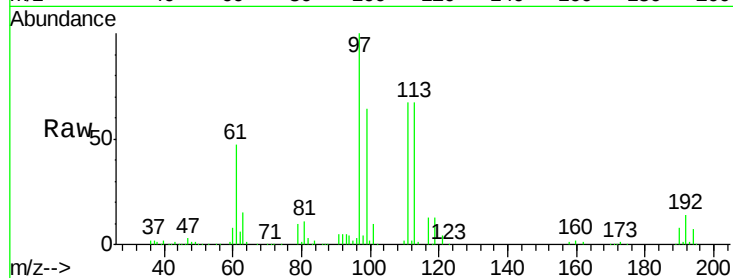
#35
 Dibromofluoromethane
 Concen: 49.640 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. 0.00 min
 Lab File: VX009364.D
 Acq: 06 May 2019 20:33

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4-20190502MSD

Tot Ion	Ratio	Resp	Lower	Upper
113	100	82540		
111	103.1	82.8	124.2	
192	22.0	17.0	25.6	

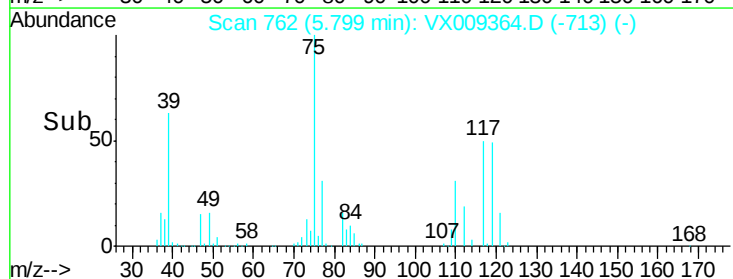
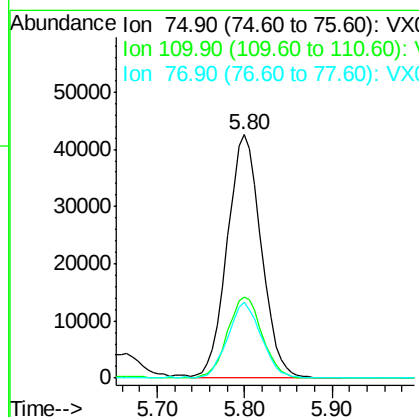
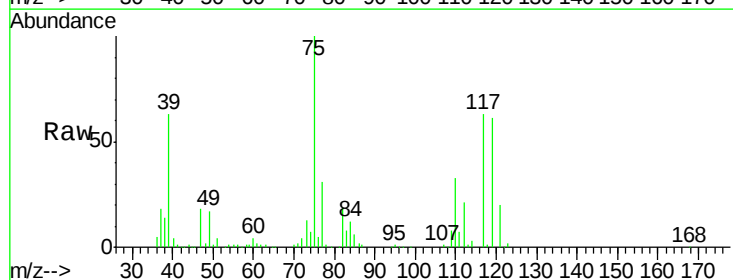
Manual Integrations
 APPROVED

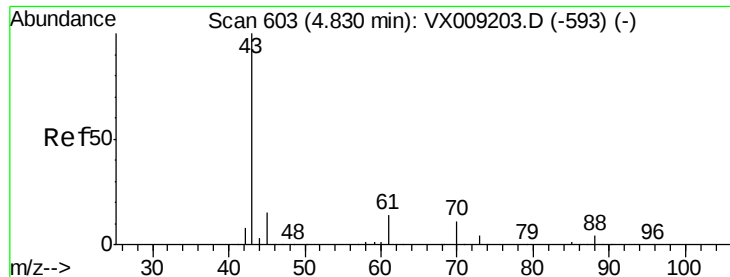
MMDadoda
 5/7/2019 9:42:17 AM



#36
 1,1-Dichloropropene
 Concen: 46.552 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VX009364.D
 Acq: 06 May 2019 20:33

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	114427		
110	34.2	16.9	50.6	
77	31.0	24.8	37.2	





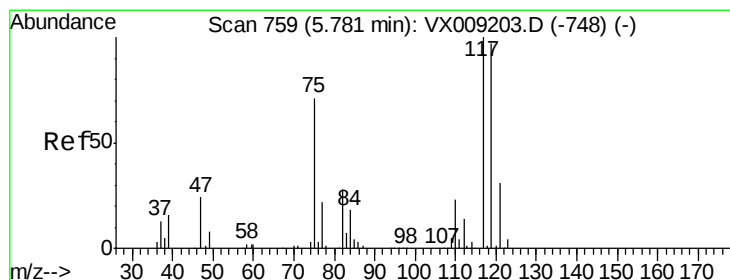
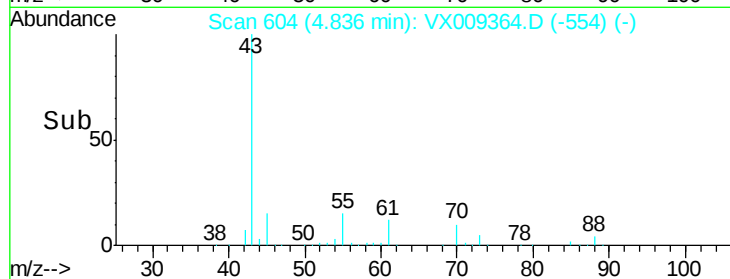
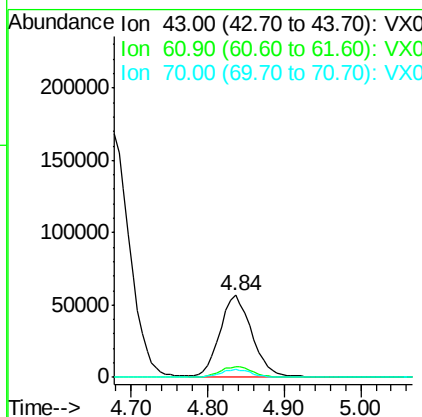
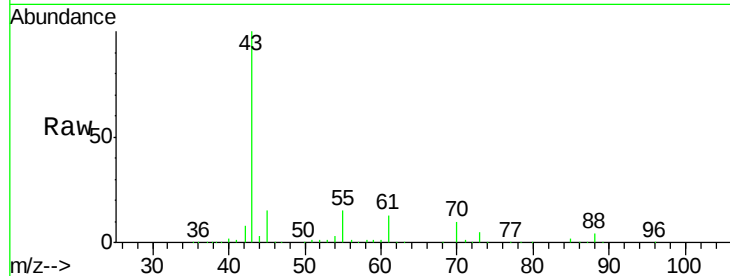
#37
Ethyl Acetate
Concen: 47.849 ug/l
RT: 4.84 min Scan# 604
Delta R.T. 0.01 min
Lab File: VX009364.D
Acq: 06 May 2019 20:33

Instrument :
MSVOA_X
ClientSampleId :
MW-4-20190502MSD

Tot Ion	43	Resp	163873
Ion Ratio	100	Lower	Upper
43	100		
61	13.4	10.5	15.7
70	9.6	7.9	11.9

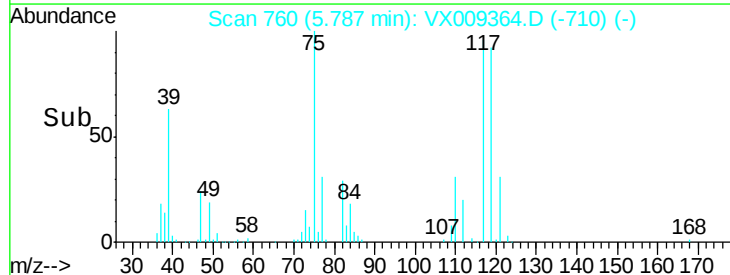
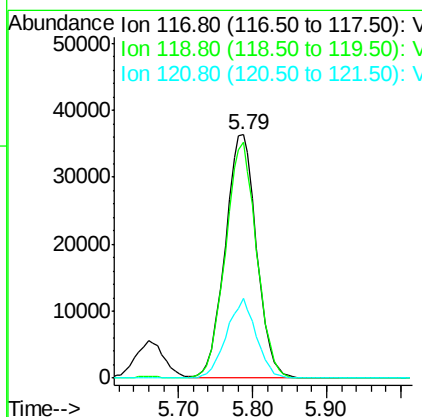
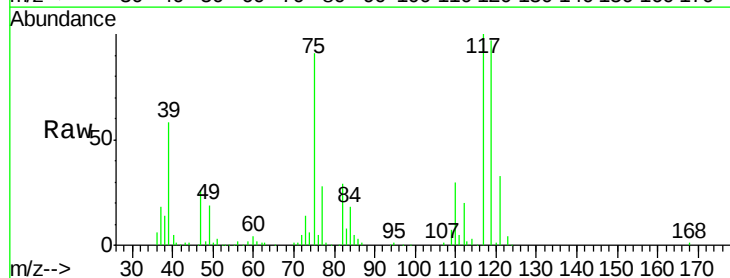
Manual Integrations
APPROVED

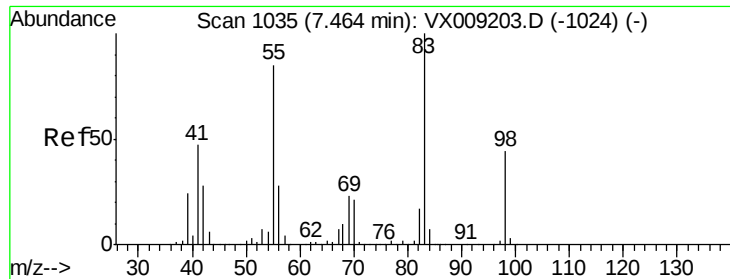
MMDadoda
5/7/2019 9:42:17 AM



#38
Carbon Tetrachloride
Concen: 47.898 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX009364.D
Acq: 06 May 2019 20:33

Tgt Ion	117	Resp	106971
Ion Ratio	100	Lower	Upper
117	100		
119	96.8	77.5	116.3
121	32.7	24.7	37.1





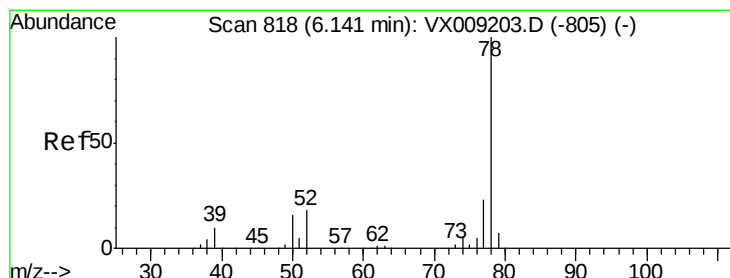
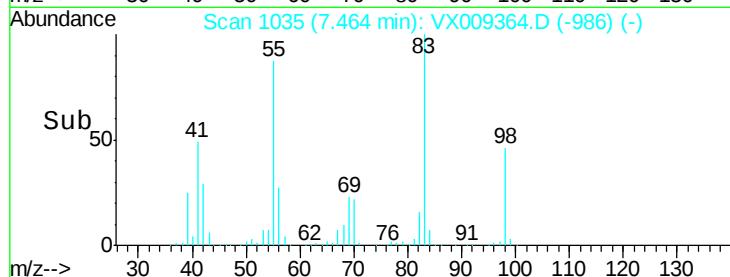
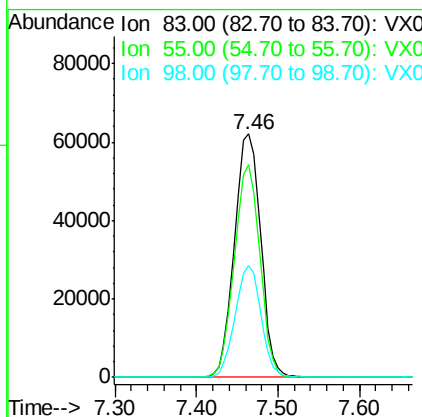
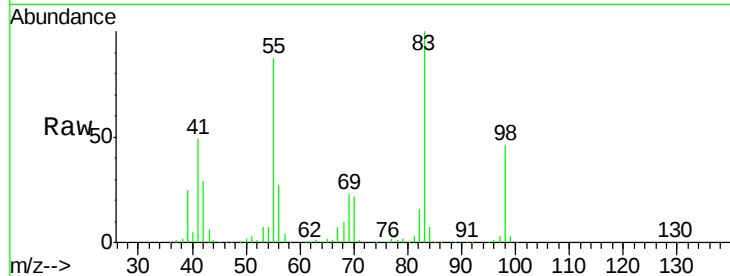
#39
Methvlcvclohexane
Concen: 45.800 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX009364.D
Acq: 06 May 2019 20:33

Instrument :
MSVOA_X
ClientSampleId :
MW-4-20190502MSD

Tot Ion	Ratio	Lower	Upper
83	100		
55	87.3	67.7	101.5
98	45.9	35.5	53.3

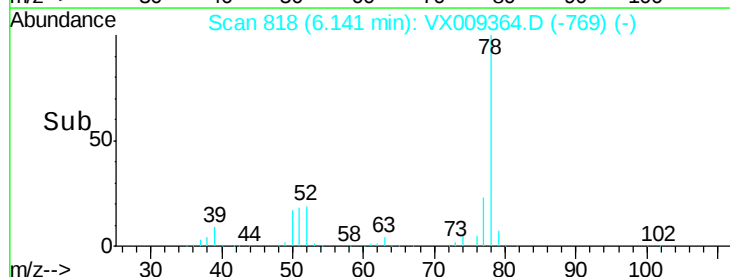
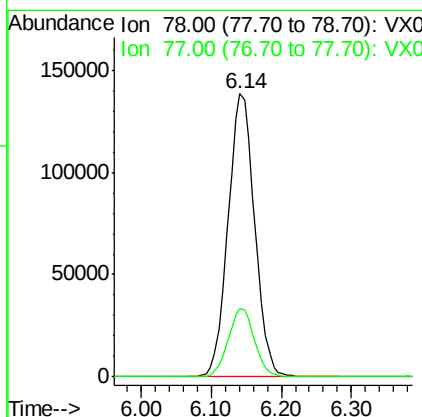
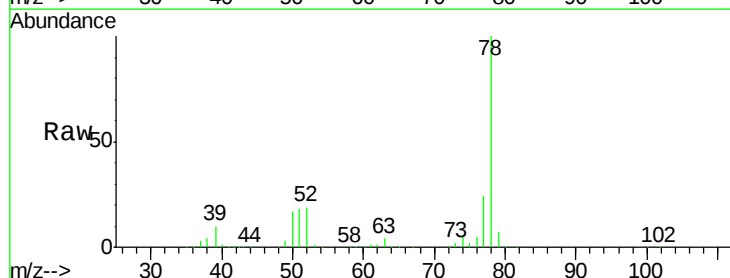
Manual Integrations
APPROVED

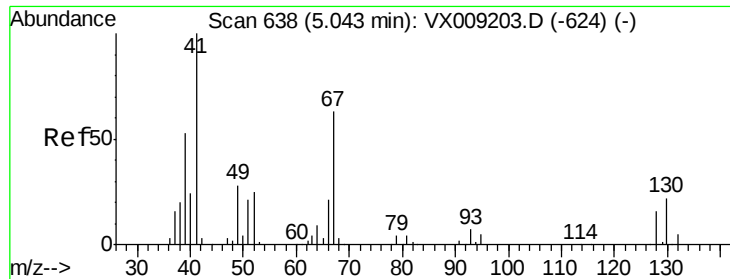
MMDadoda
5/7/2019 9:42:17 AM



#40
Benzene
Concen: 48.025 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX009364.D
Acq: 06 May 2019 20:33

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	18.8	28.2





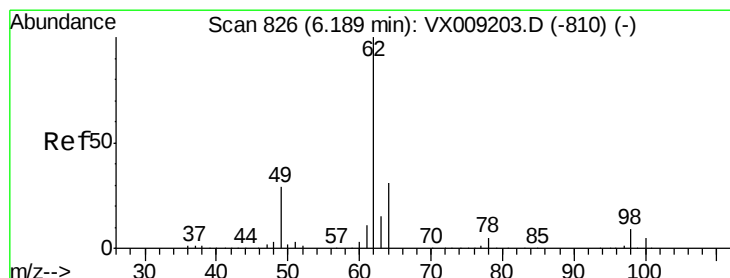
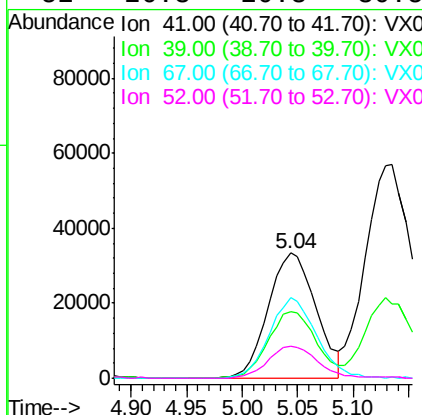
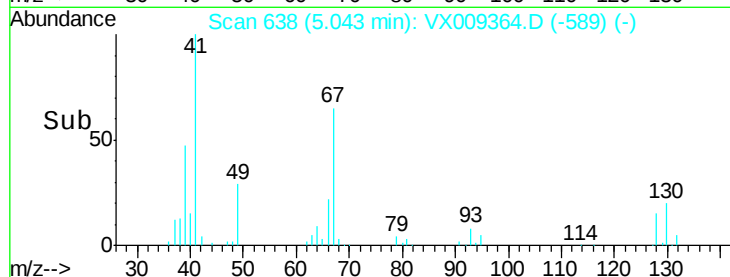
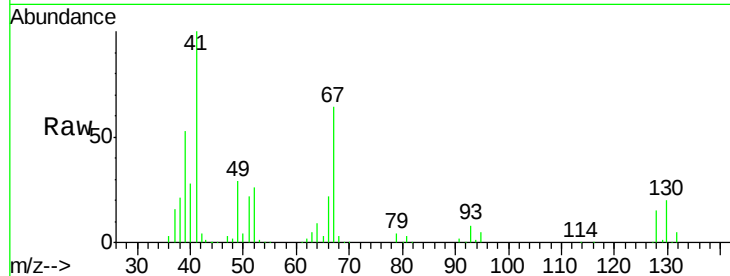
#41
Methacrylonitrile
Concen: 48.686 ug/l
RT: 5.04 min Scan# 638
Delta R.T. 0.00 min
Lab File: VX009364.D
Acq: 06 May 2019 20:33

Instrument :
MSVOA_X
ClientSampleId :
MW-4-20190502MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		99255		
39	55.3	42.0	63.0		
67	63.3	49.8	74.8		
52	26.3	20.3	30.5		

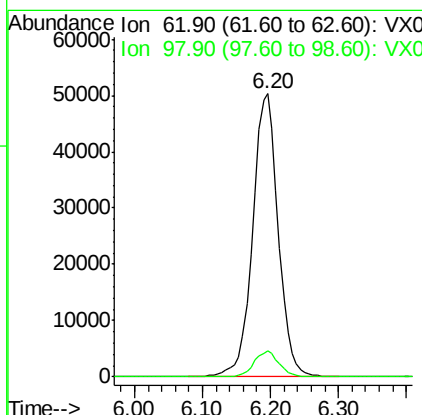
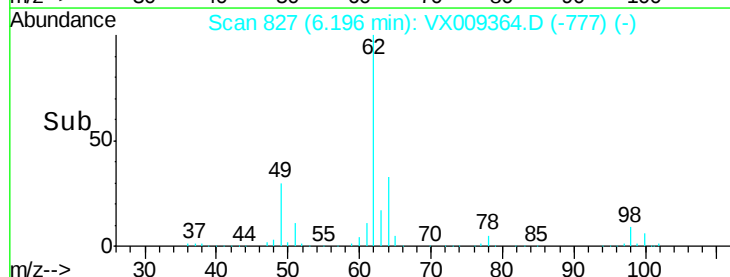
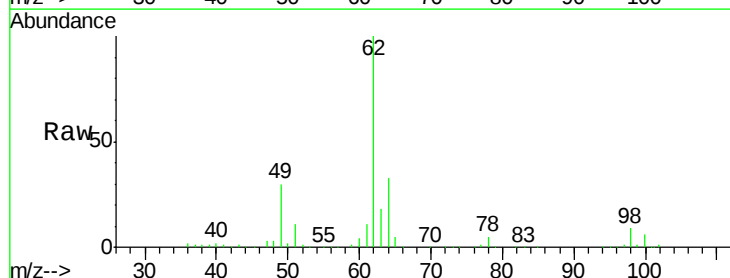
Manual Integrations
APPROVED

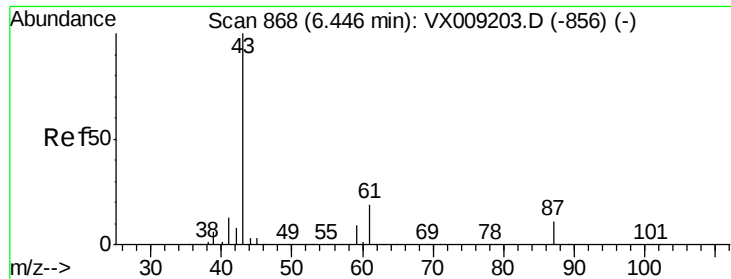
MMDadoda
5/7/2019 9:42:17 AM



#42
1,2-Dichloroethane
Concen: 48.399 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.01 min
Lab File: VX009364.D
Acq: 06 May 2019 20:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		132073		
98	8.9	0.0	18.2		





#43

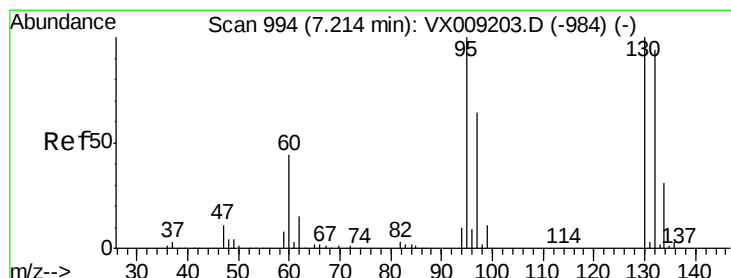
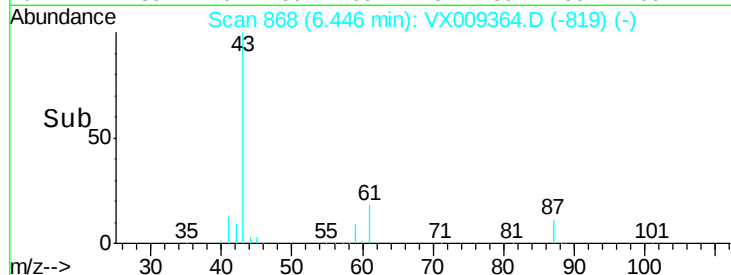
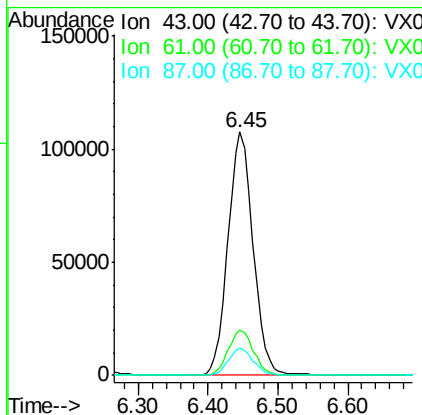
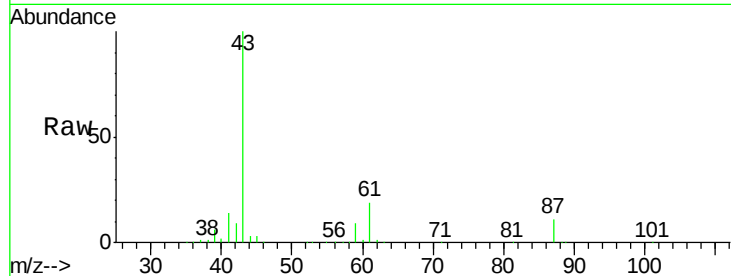
Isopropyl Acetate
 Concen: 48.696 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. 0.00 min
 Lab File: VX009364.D
 Acq: 06 May 2019 20:33

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4-20190502MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.0	15.1	22.7
87	11.2	9.0	13.6

Manual Integrations
 APPROVED

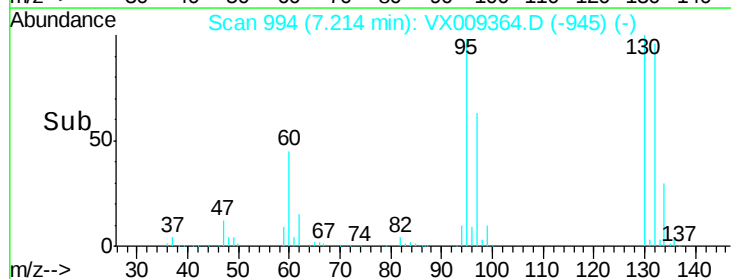
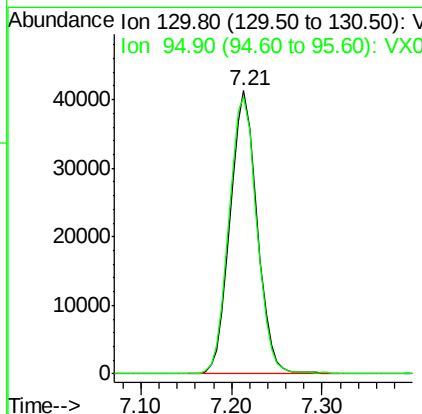
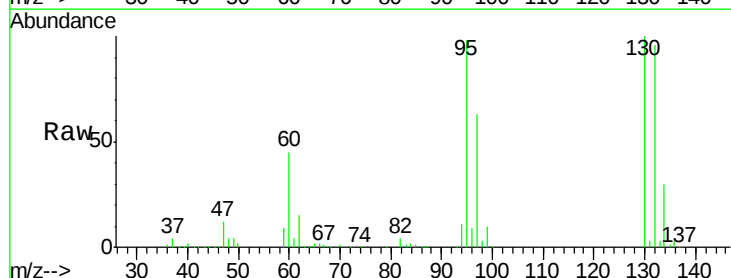
MMDadoda
 5/7/2019 9:42:17 AM

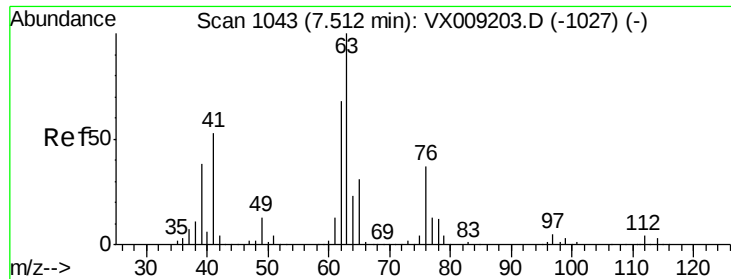


#44

Trichloroethene
 Concen: 46.464 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX009364.D
 Acq: 06 May 2019 20:33

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.0	0.0	199.2





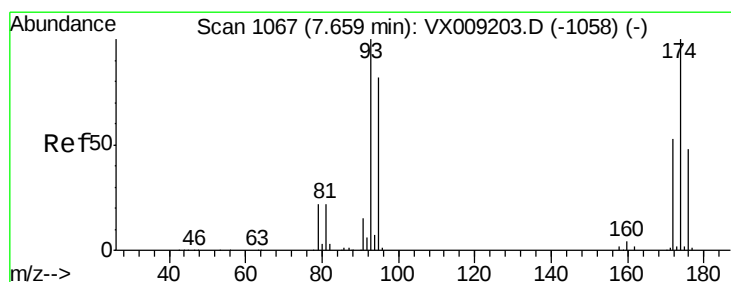
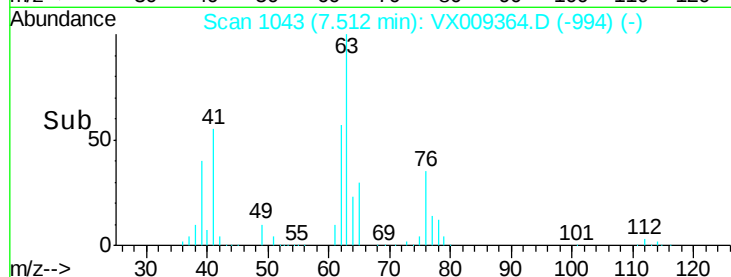
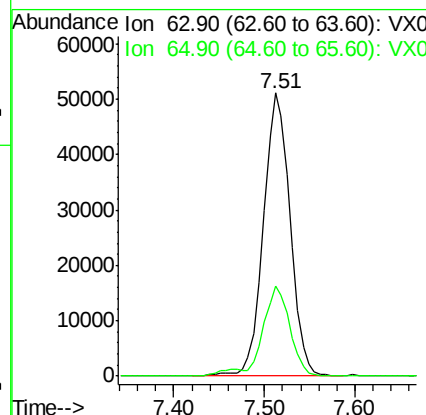
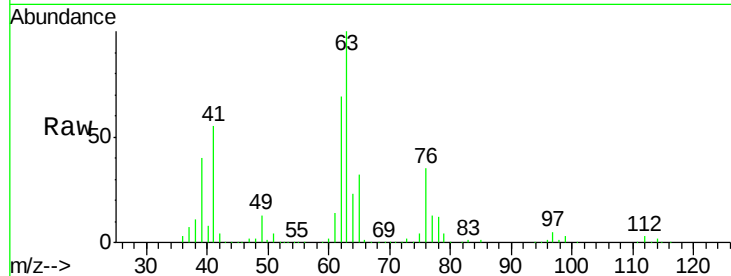
#45
 1,2-Dichloropropane
 Concen: 48.281 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX009364.D
 Acq: 06 May 2019 20:33

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4-20190502MSD

Tot Ion: 63 Resp: 104000
 Ion Ratio Lower Upper
 63 100
 65 31.9 25.0 37.6

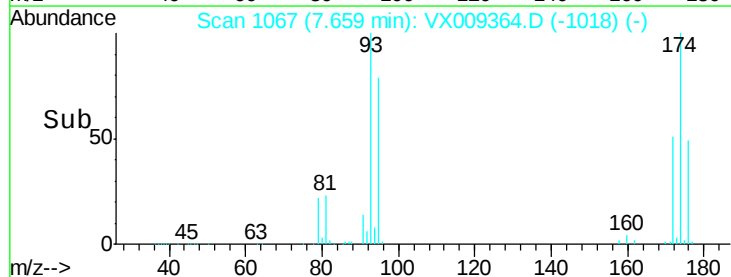
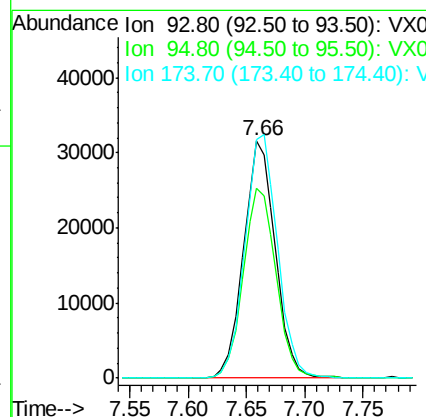
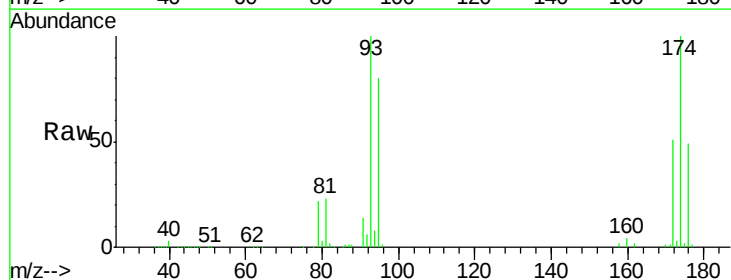
Manual Integrations
 APPROVED

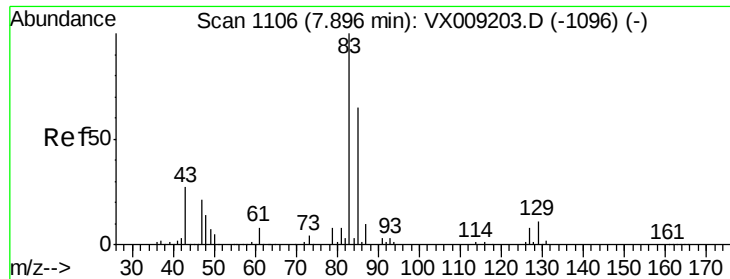
MMDadoda
 5/7/2019 9:42:17 AM



#46
 Dibromomethane
 Concen: 47.843 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX009364.D
 Acq: 06 May 2019 20:33

Tgt Ion: 93 Resp: 59846
 Ion Ratio Lower Upper
 93 100
 95 83.3 66.5 99.7
 174 105.8 82.1 123.1





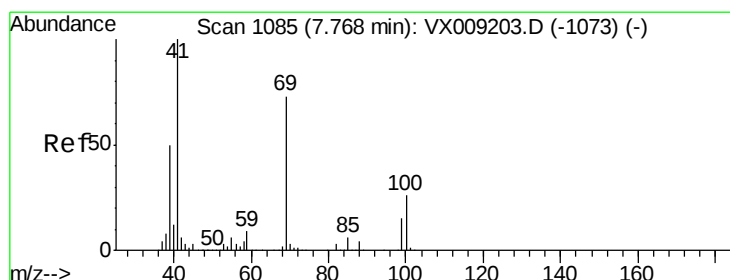
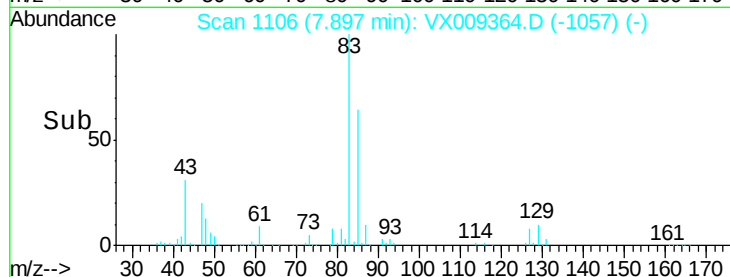
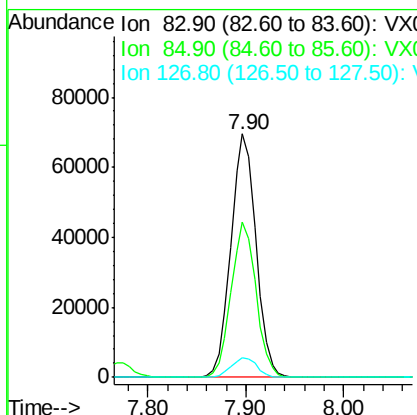
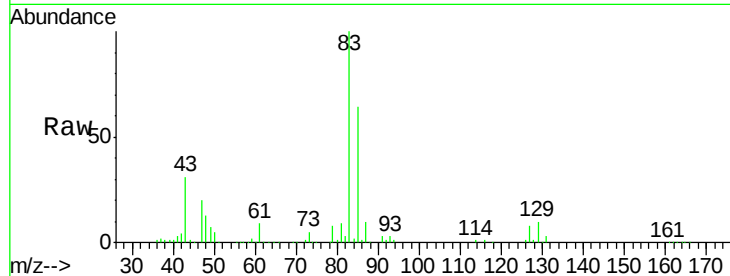
#47
Bromodichloromethane
Concen: 49.621 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VX009364.D
Acq: 06 May 2019 20:33

Instrument :
MSVOA_X
ClientSampleId :
MW-4-20190502MSD

Tot Ion	Ratio	Resp	Lower	Upper
83	100	123813		
85	63.8	52.4	78.6	
127	7.8	6.6	10.0	

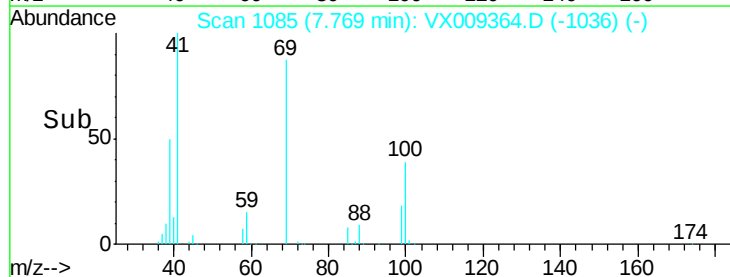
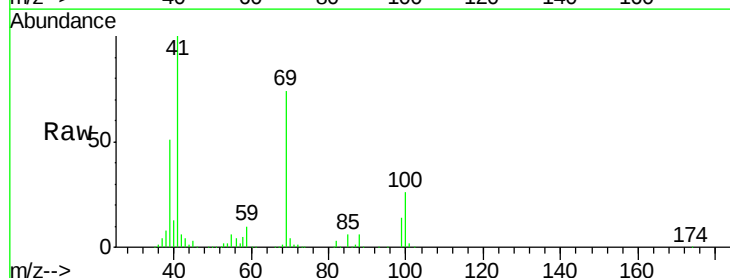
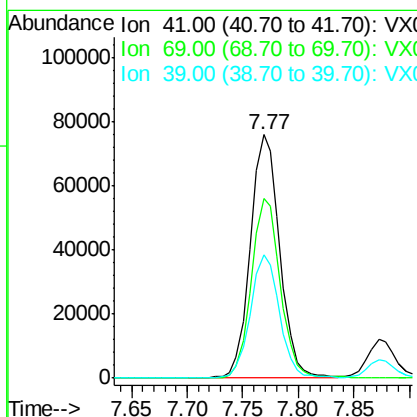
Manual Integrations
APPROVED

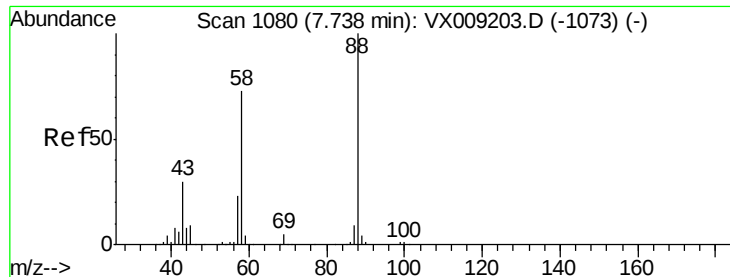
MMDadoda
5/7/2019 9:42:17 AM



#48
Methyl methacrylate
Concen: 51.231 ug/l
RT: 7.77 min Scan# 1085
Delta R.T. 0.00 min
Lab File: VX009364.D
Acq: 06 May 2019 20:33

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	139237		
69	73.6	59.1	88.7	
39	50.3	40.4	60.6	





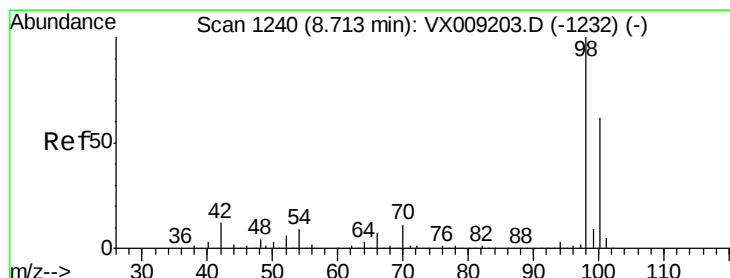
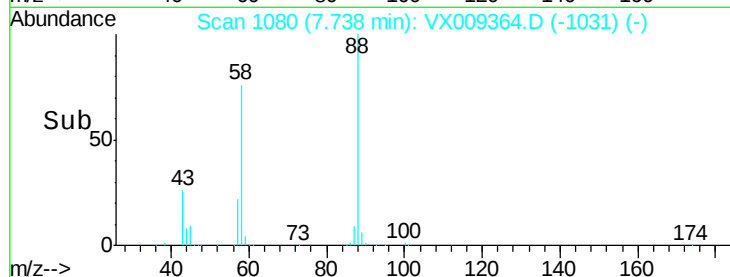
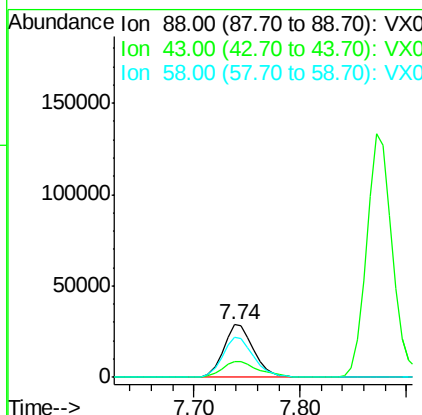
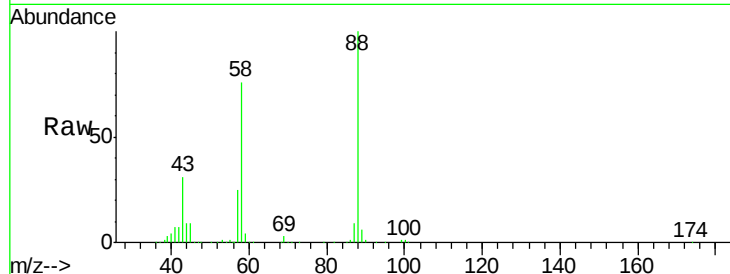
#49
1,4-Dioxane
Concen: 1036.532 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX009364.D
Acq: 06 May 2019 20:33

Instrument :
MSVOA_X
ClientSampleId :
MW-4-20190502MSD

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.5	28.6	42.8
58	77.8	61.7	92.5

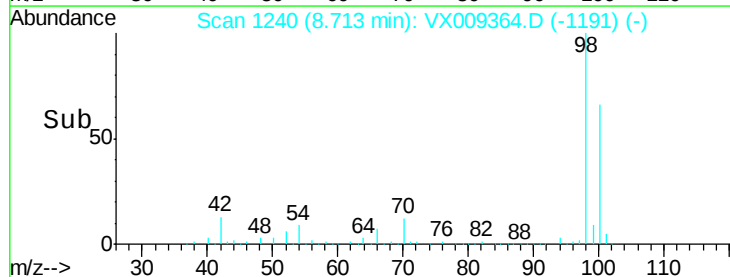
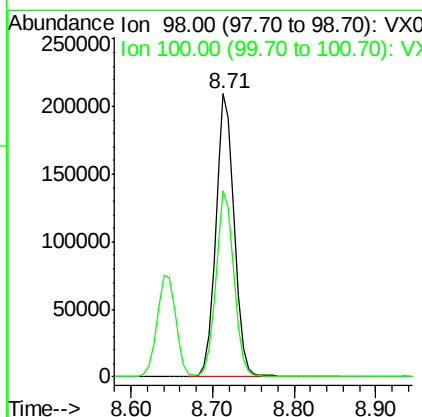
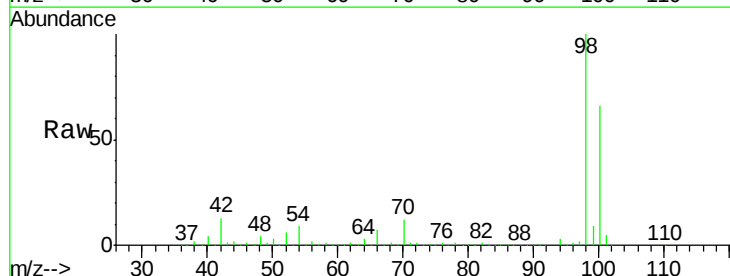
Manual Integrations
APPROVED

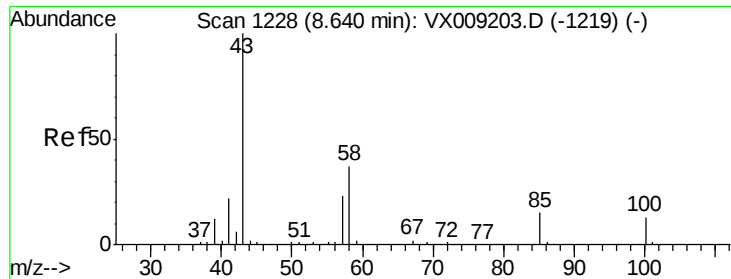
MMDadoda
5/7/2019 9:42:17 AM



#50
Toluene-d8
Concen: 49.679 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009364.D
Acq: 06 May 2019 20:33

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 265.028 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX009364.D

Acq: 06 May 2019 20:33

Instrument :

MSVOA_X

ClientSampleId :

MW-4-20190502MSD

Tot Ion: 43 Resp: 948966

Ion Ratio Lower Upper

43 100

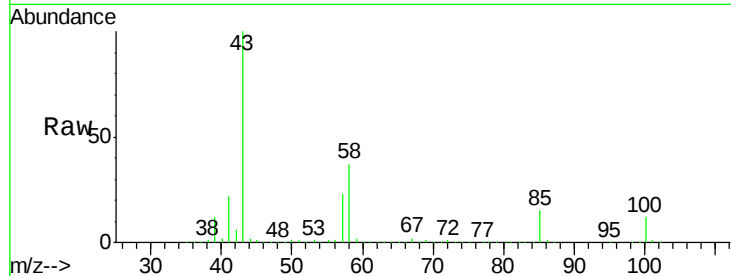
58 36.8 29.5 44.3

Manual Integrations

APPROVED

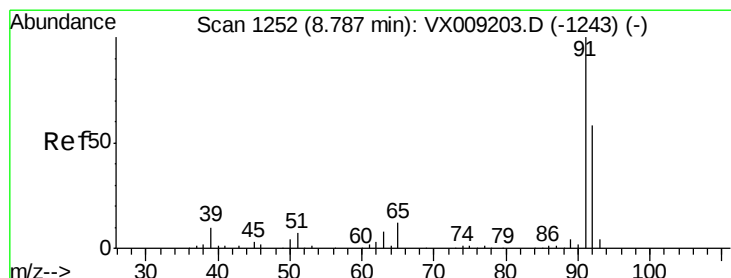
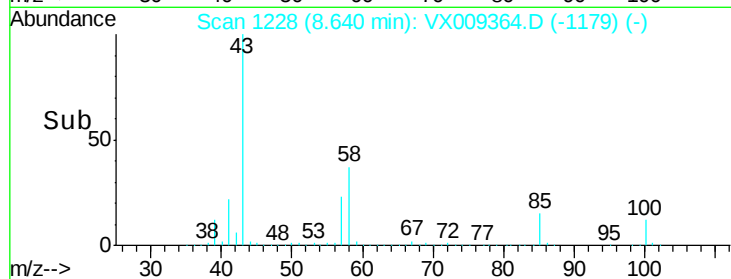
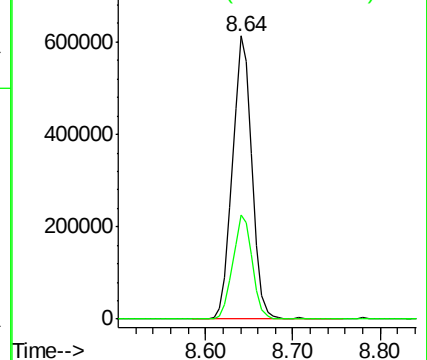
MMDadoda

5/7/2019 9:42:17 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 47.668 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX009364.D

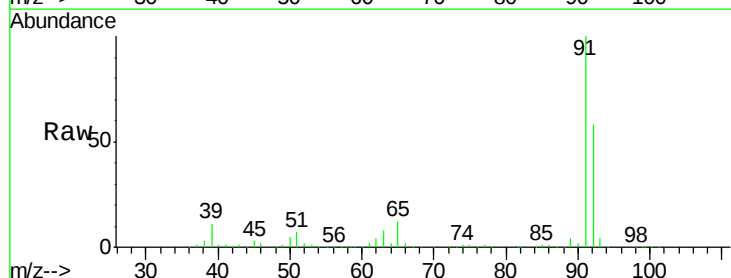
Acq: 06 May 2019 20:33

Tgt Ion: 92 Resp: 220429

Ion Ratio Lower Upper

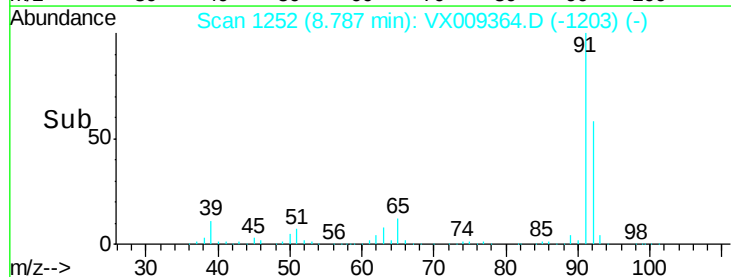
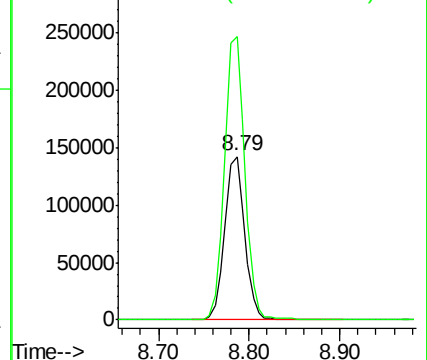
92 100

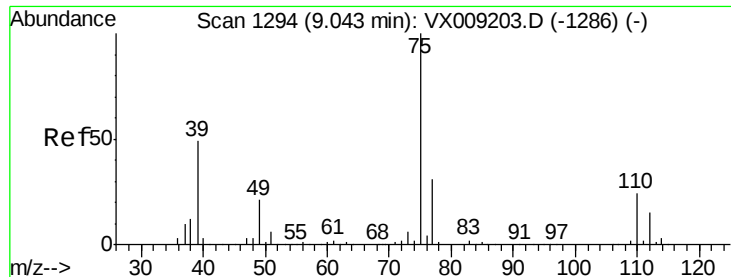
91 175.9 138.8 208.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





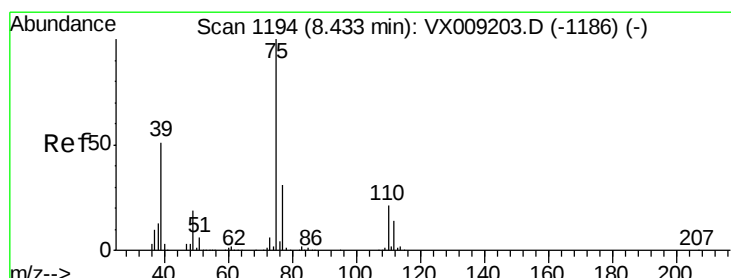
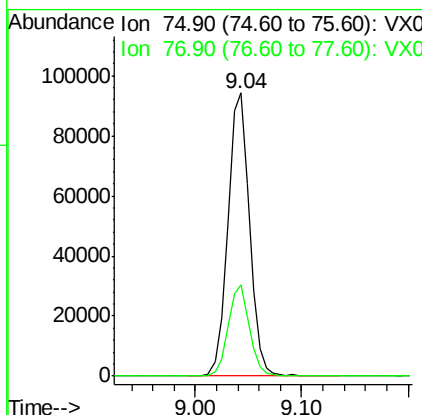
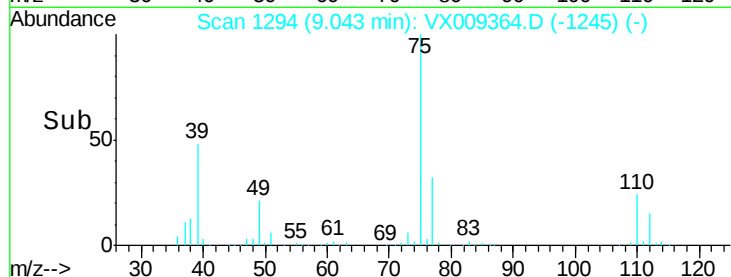
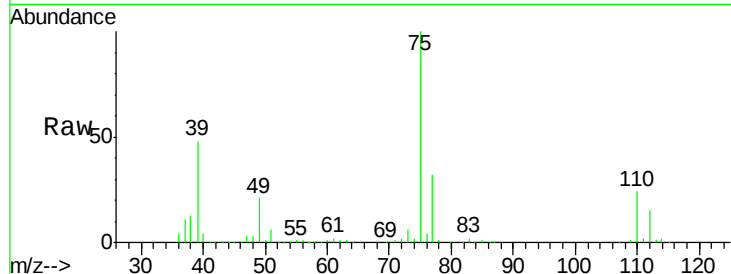
#53
t-1,3-Dichloropropene
Concen: 47.756 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX009364.D
Acq: 06 May 2019 20:33

Instrument :
MSVOA_X
ClientSampleId :
MW-4-20190502MSD

Tot Ion: 75 Resp: 134532
Ion Ratio Lower Upper
75 100
77 32.1 25.0 37.6

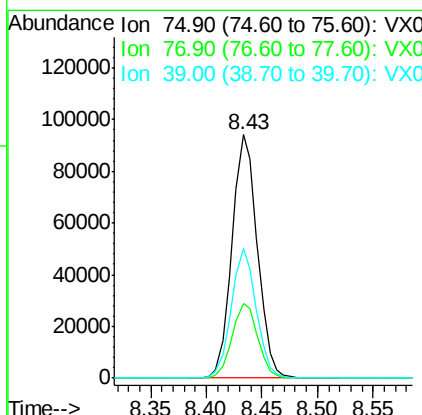
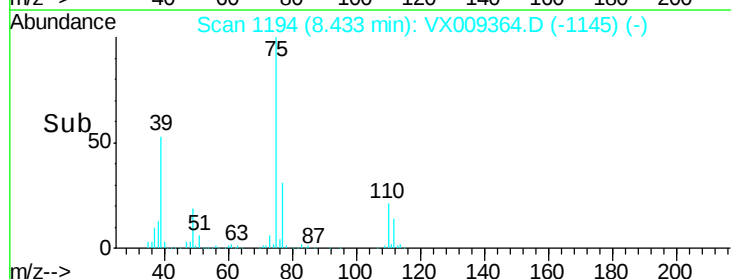
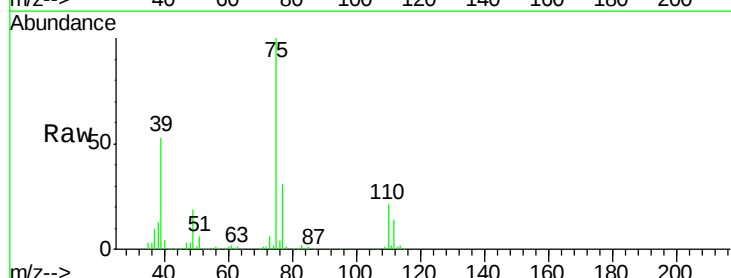
Manual Integrations
APPROVED

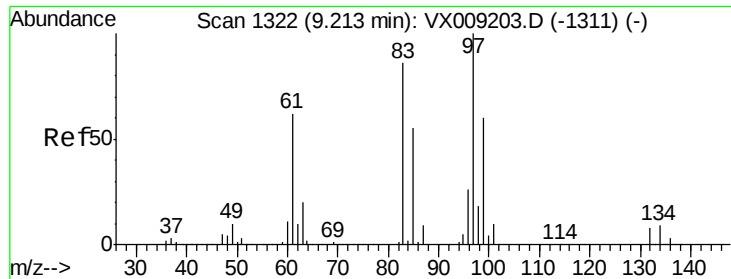
MMDadoda
5/7/2019 9:42:17 AM



#54
cis-1,3-Dichloropropene
Concen: 47.657 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX009364.D
Acq: 06 May 2019 20:33

Tgt Ion: 75 Resp: 148600
Ion Ratio Lower Upper
75 100
77 30.8 24.6 36.8
39 53.1 40.6 60.8





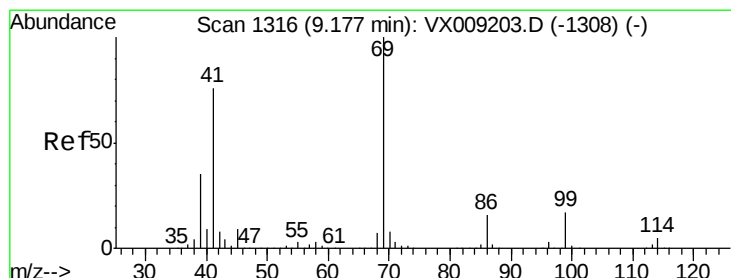
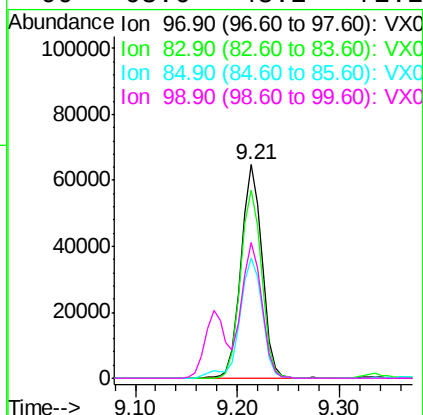
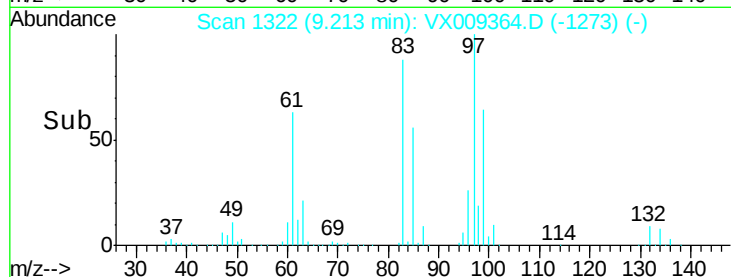
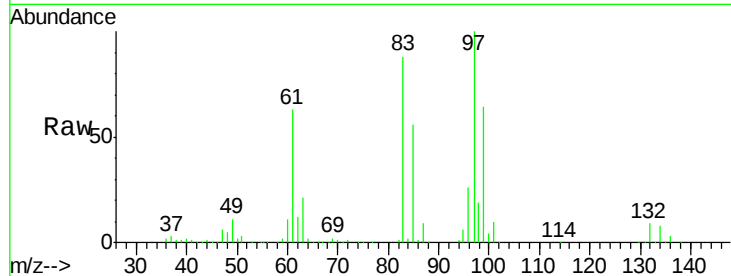
#55
1,1,2-Trichloroethane
Concen: 48.842 ug/l
RT: 9.21 min Scan# 1322
Delta R.T. 0.00 min
Lab File: VX009364.D
Acq: 06 May 2019 20:33

Instrument :
MSVOA_X
ClientSampleId :
MW-4-20190502MSD

Tot Ion:	97	Resp:	92143
Ion	Ratio	Lower	Upper
97	100		
83	88.0	68.9	103.3
85	56.4	43.8	65.6
99	63.6	48.2	72.2

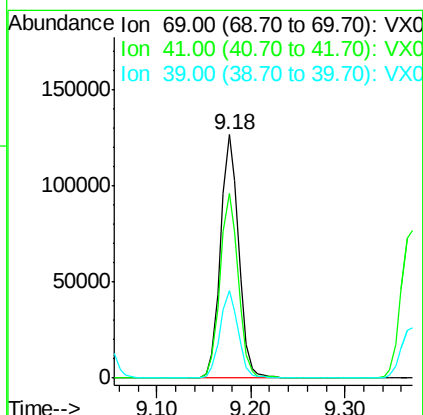
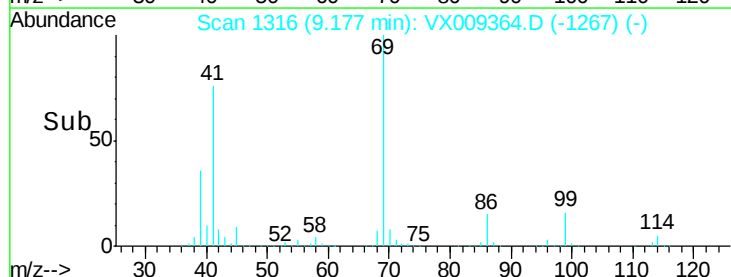
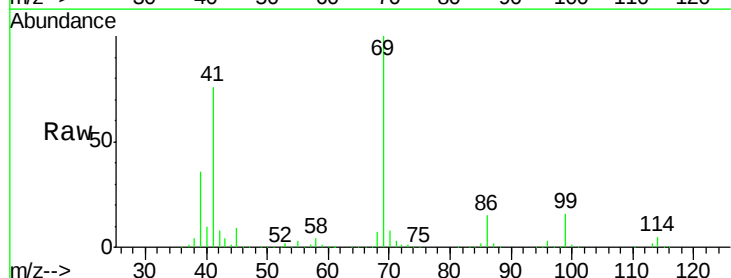
Manual Integrations
APPROVED

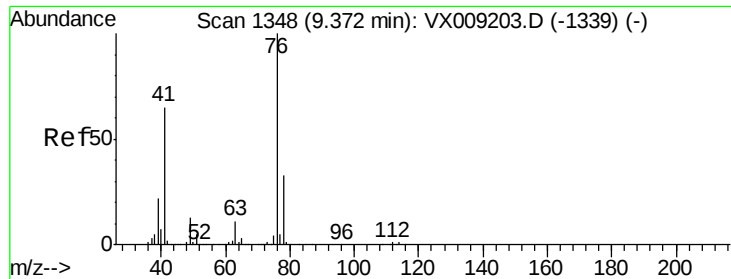
MMDadoda
5/7/2019 9:42:17 AM



#56
Ethyl methacrylate
Concen: 50.727 ug/l
RT: 9.18 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VX009364.D
Acq: 06 May 2019 20:33

Tgt Ion:	69	Resp:	170829
Ion	Ratio	Lower	Upper
69	100		
41	75.6	60.6	90.8
39	35.5	28.2	42.4





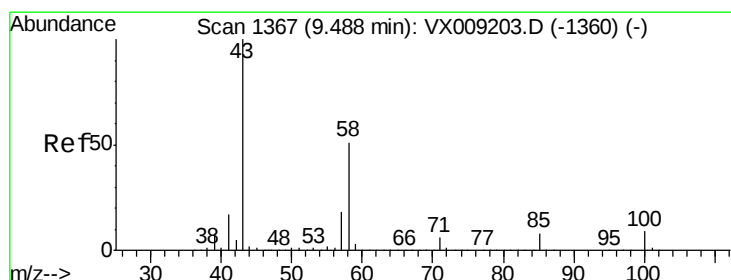
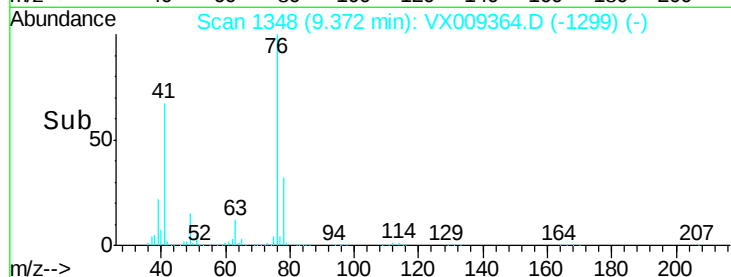
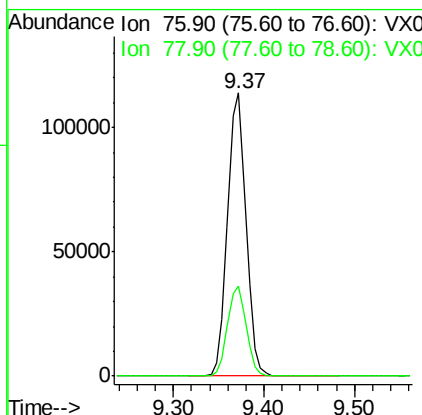
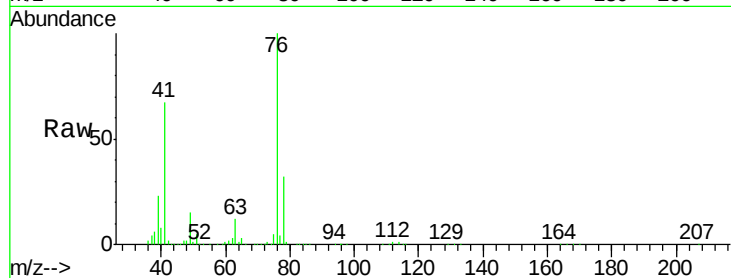
#57
 1,3-Dichloropropane
 Concen: 48.843 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX009364.D
 Acq: 06 May 2019 20:33

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4-20190502MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.5	38.3

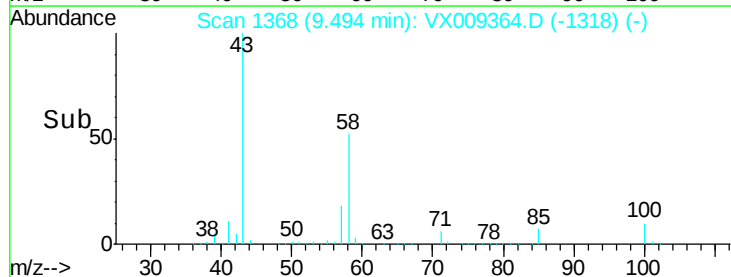
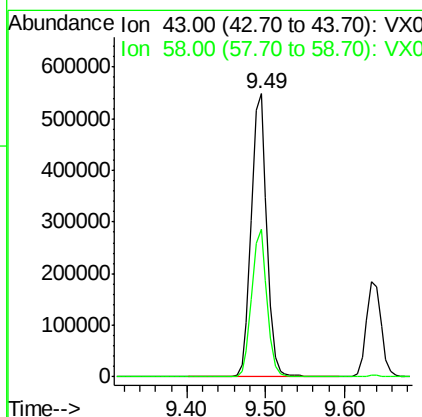
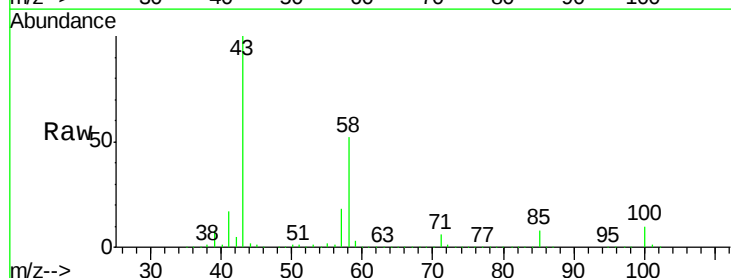
Manual Integrations
 APPROVED

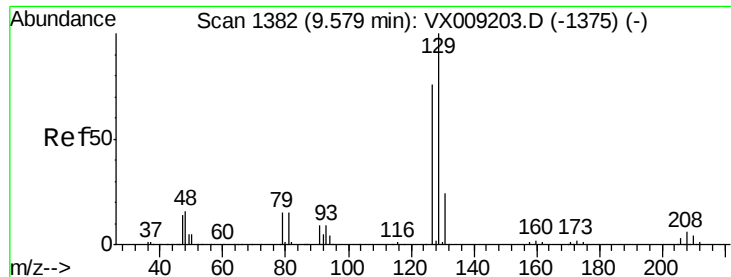
MMDadoda
 5/7/2019 9:42:17 AM



#59
 2-Hexanone
 Concen: 267.061 ug/l
 RT: 9.49 min Scan# 1368
 Delta R.T. 0.01 min
 Lab File: VX009364.D
 Acq: 06 May 2019 20:33

Tgt Ion	Ratio	Lower	Upper
43	100		
58	51.6	25.9	77.7





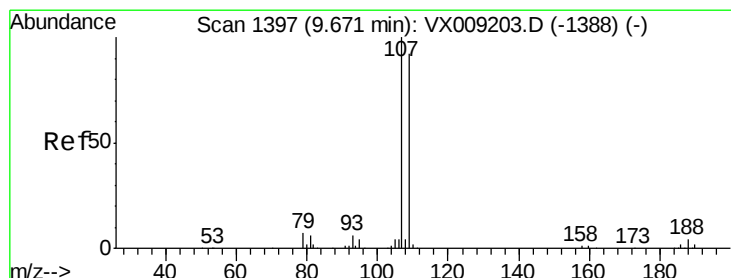
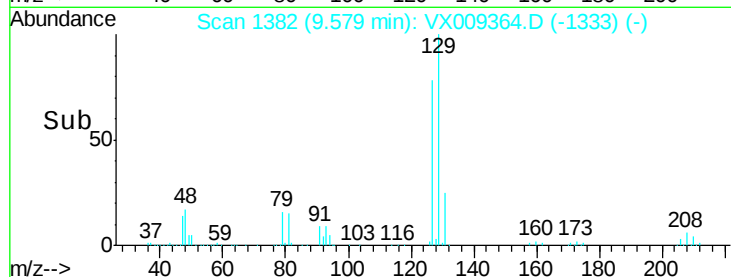
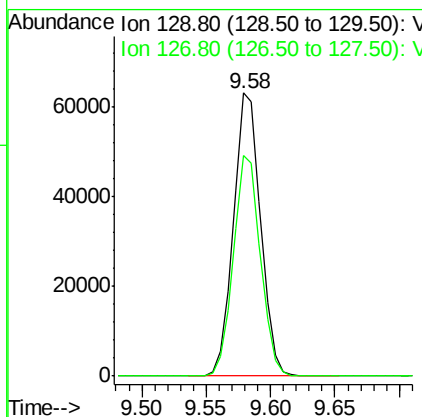
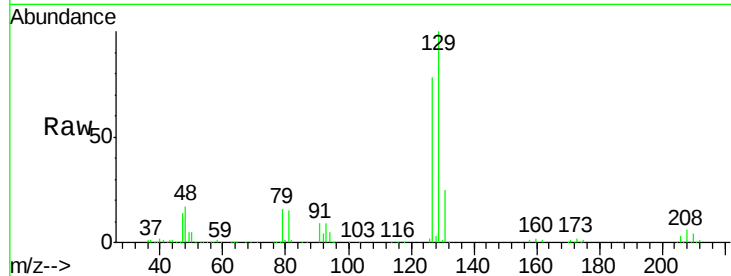
#60
Dibromochloromethane
Concen: 50.334 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX009364.D
Acq: 06 May 2019 20:33

Instrument :
MSVOA_X
ClientSampleId :
MW-4-20190502MSD

Tot Ion:129 Resp: 92744
Ion Ratio Lower Upper
129 100
127 77.7 38.4 115.1

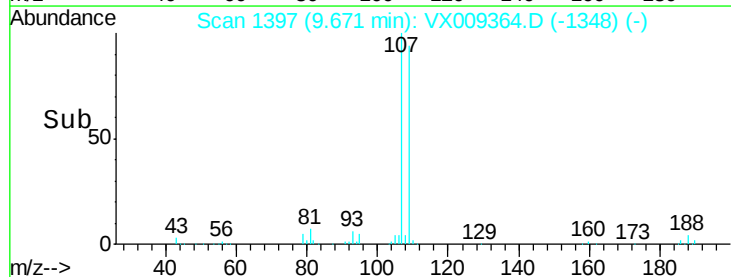
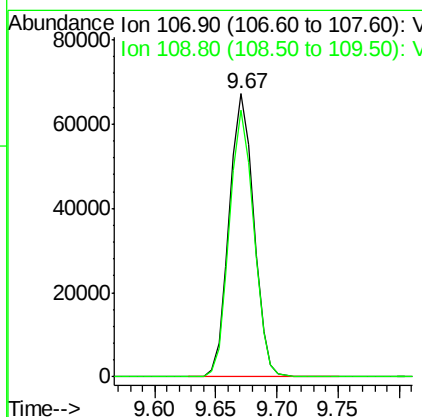
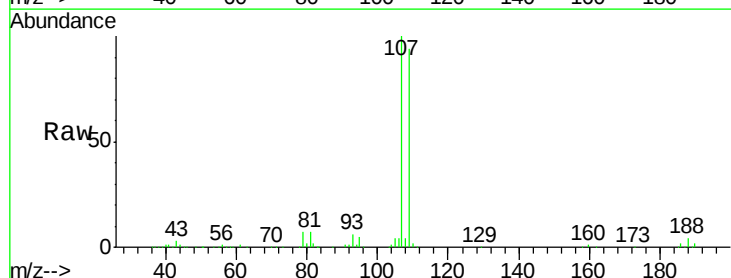
Manual Integrations
APPROVED

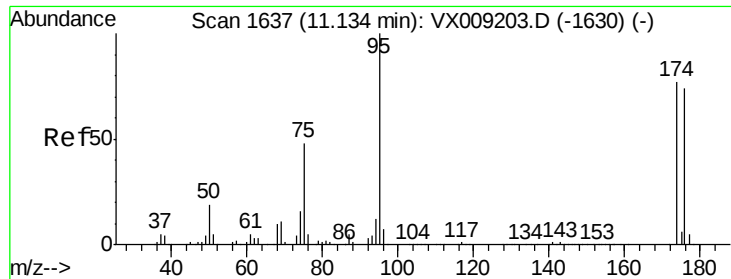
MMDadoda
5/7/2019 9:42:17 AM



#61
1,2-Dibromoethane
Concen: 49.079 ug/l
RT: 9.67 min Scan# 1397
Delta R.T. 0.00 min
Lab File: VX009364.D
Acq: 06 May 2019 20:33

Tgt Ion:107 Resp: 93464
Ion Ratio Lower Upper
107 100
109 93.3 75.2 112.8





#62

4-Bromofluorobenzene

Concen: 50.796 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009364.D

Acq: 06 May 2019 20:33

Instrument :

MSVOA_X

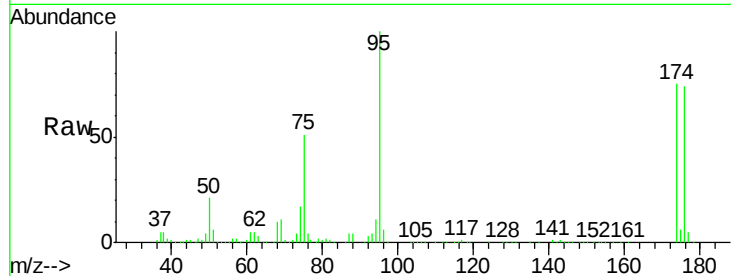
ClientSampleId :

MW-4-20190502MSD

Tot Ion:	95	Resp:	123905
Ion Ratio	Lower	Upper	
95	100		
174	81.0	0.0	161.6
176	79.5	0.0	159.2

Manual Integrations
APPROVED

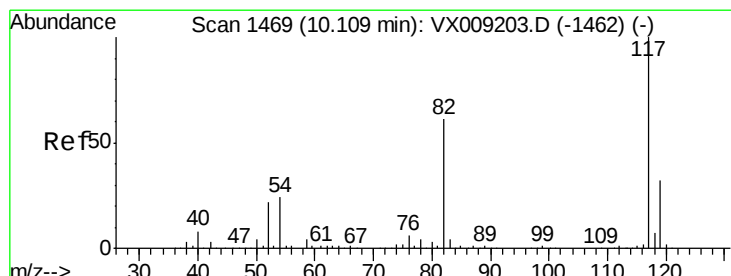
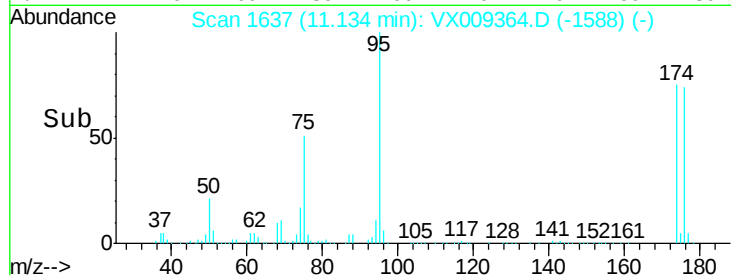
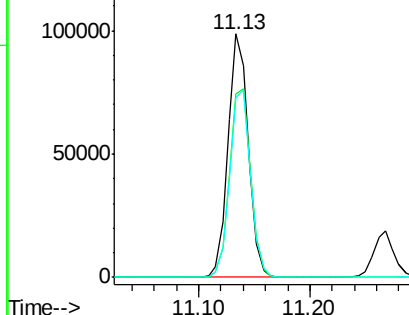
MMDadoda
5/7/2019 9:42:17 AM



Abundance Ion 94.90 (94.60 to 95.60): VX009364.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX009364.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX009364.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX009364.D

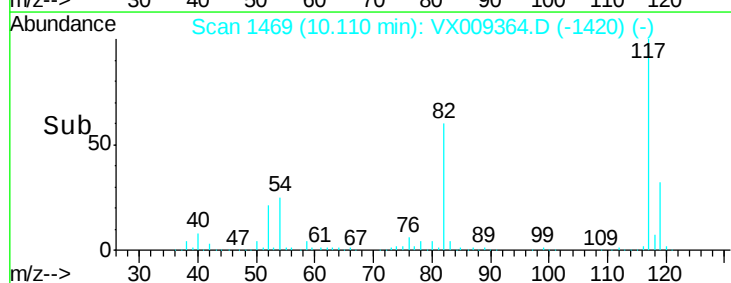
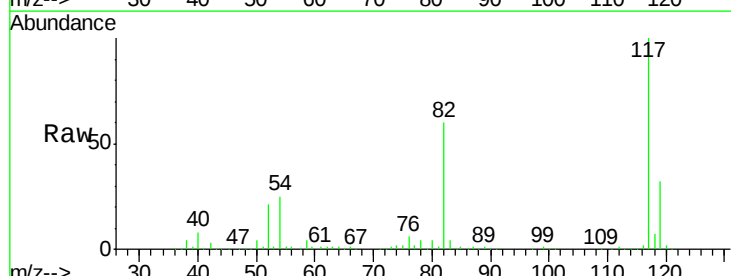
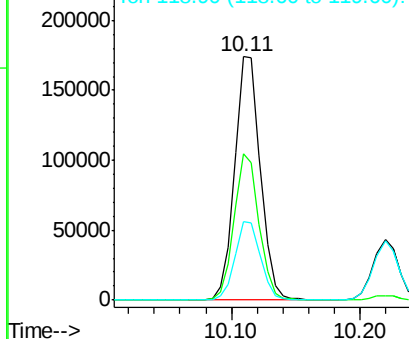
Acq: 06 May 2019 20:33

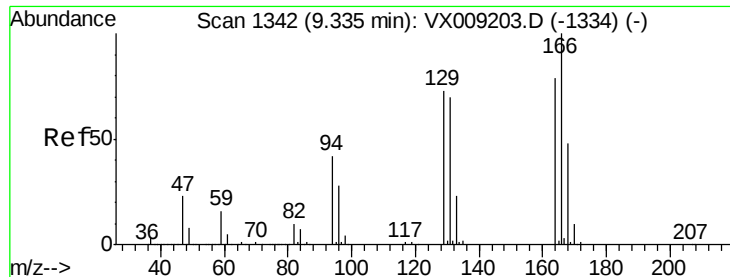
Tgt Ion:	117	Resp:	242120
Ion Ratio	Lower	Upper	
117	100		
82	60.2	48.8	73.2
119	32.1	25.8	38.6

Abundance Ion 116.90 (116.60 to 117.60): VX009364.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX009364.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX009364.D (-1420) (-)





#64

Tetrachloroethene

Concen: 45.237 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX009364.D

Acq: 06 May 2019 20:33

Instrument :

MSVOA_X

ClientSampleId :

MW-4-20190502MSD

Tot Ion:164 Resp: 75131

Ion Ratio Lower Upper

164 100

166 129.7 101.2 151.8

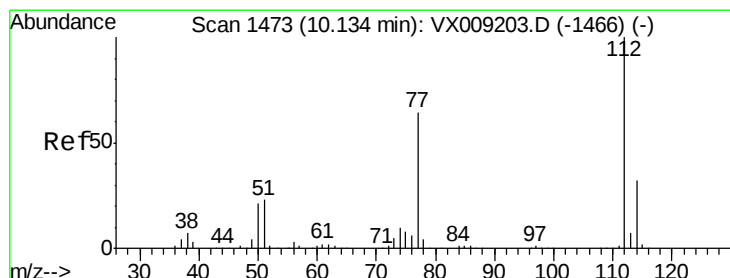
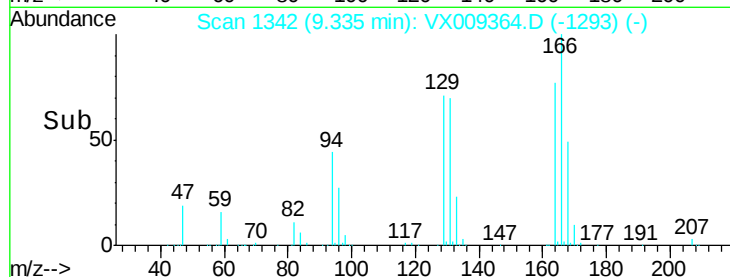
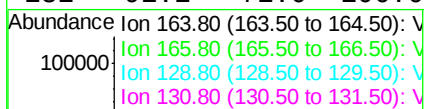
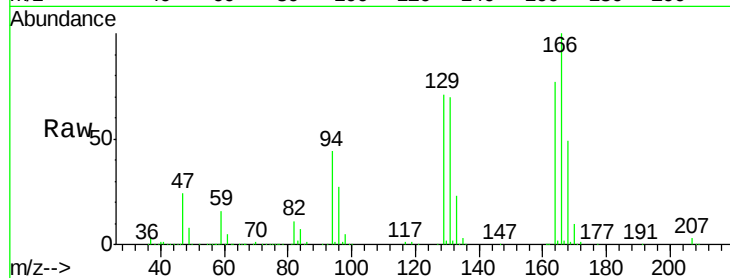
129 92.1 74.3 111.5

131 91.1 71.0 106.6

Manual Integrations
APPROVED

MMDadoda

5/7/2019 9:42:17 AM



#65

Chlorobenzene

Concen: 47.988 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.01 min

Lab File: VX009364.D

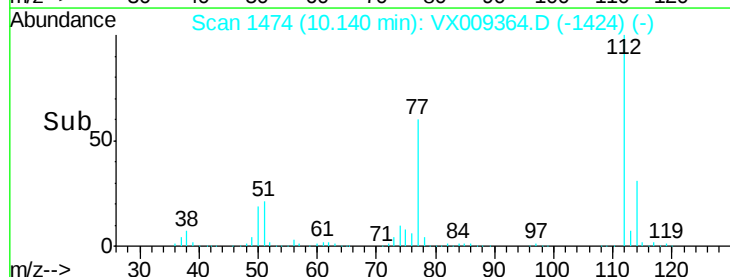
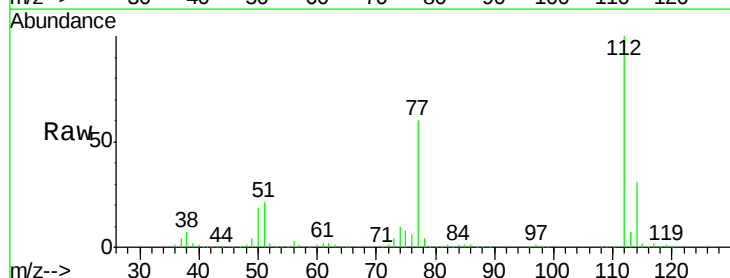
Acq: 06 May 2019 20:33

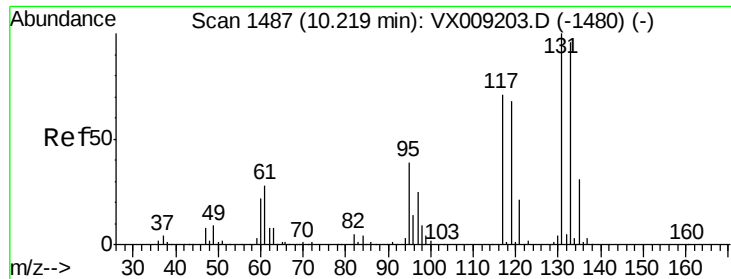
Tgt Ion:112 Resp: 232428

Ion Ratio Lower Upper

112 100

114 31.4 25.5 38.3





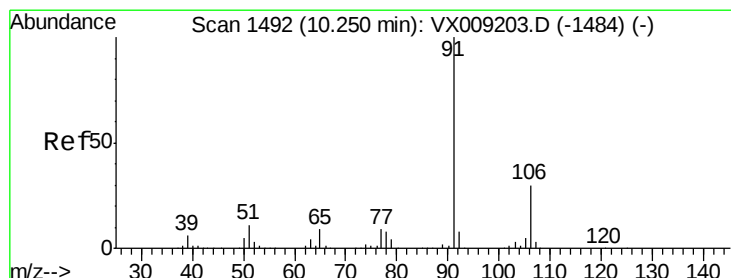
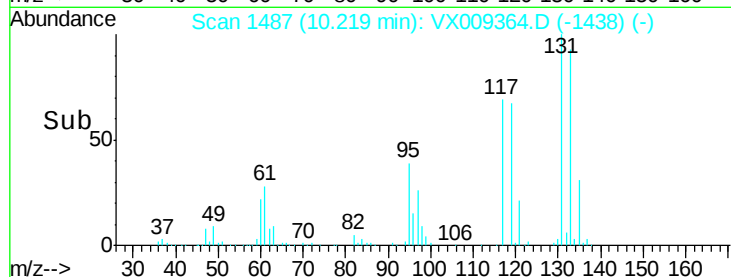
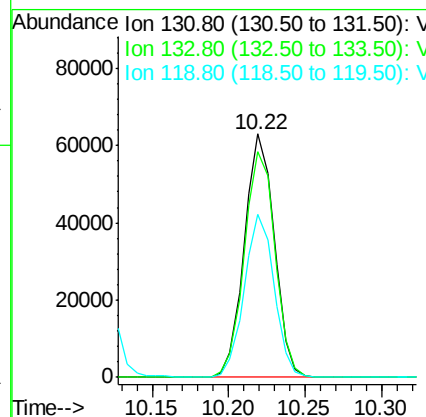
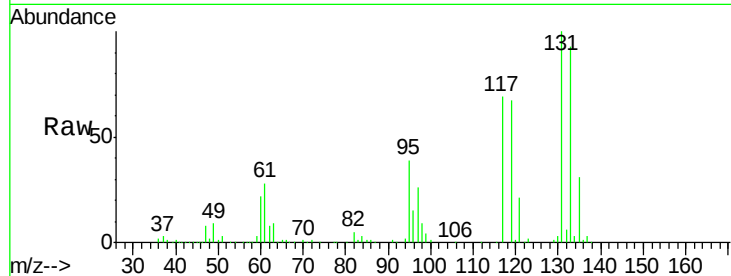
#66
 1,1,1,2-Tetrachloroethane
 Concen: 48.766 ug/l
 RT: 10.22 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VX009364.D
 Acq: 06 May 2019 20:33

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4-20190502MSD

Tot Ion	Ratio	Lower	Upper
131	100		
133	95.3	47.7	143.1
119	66.9	33.5	100.4

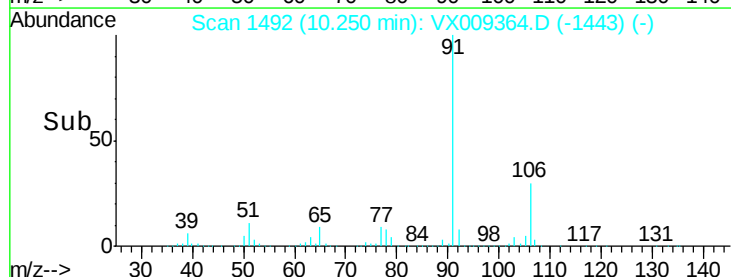
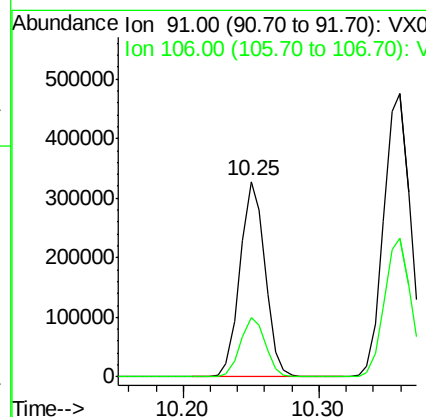
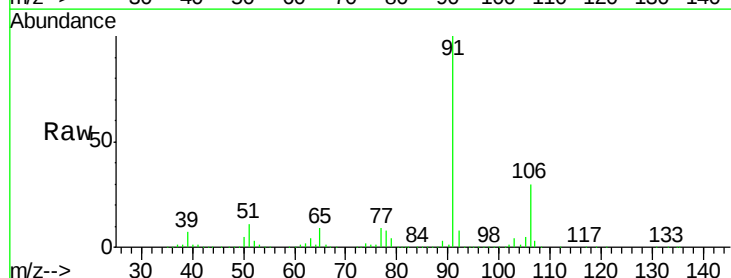
Manual Integrations
 APPROVED

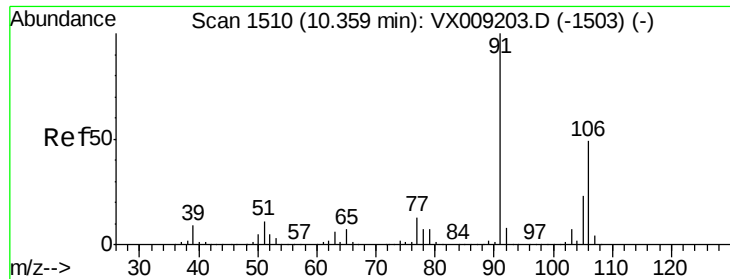
MMDadoda
 5/7/2019 9:42:17 AM



#67
 Ethyl Benzene
 Concen: 47.550 ug/l
 RT: 10.25 min Scan# 1492
 Delta R.T. 0.00 min
 Lab File: VX009364.D
 Acq: 06 May 2019 20:33

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.3	24.0	36.0





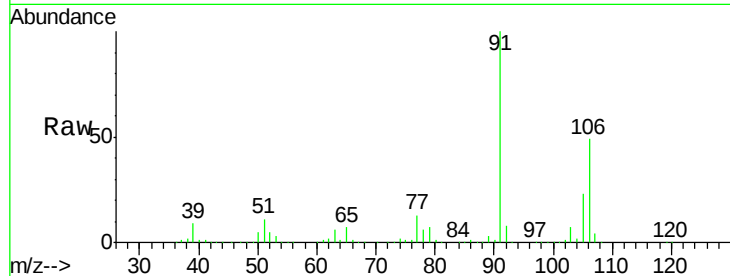
#68
m/p-Xylenes
Concen: 96.527 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX009364.D
Acq: 06 May 2019 20:33

Instrument :
MSVOA_X
ClientSampleId :
MW-4-20190502MSD

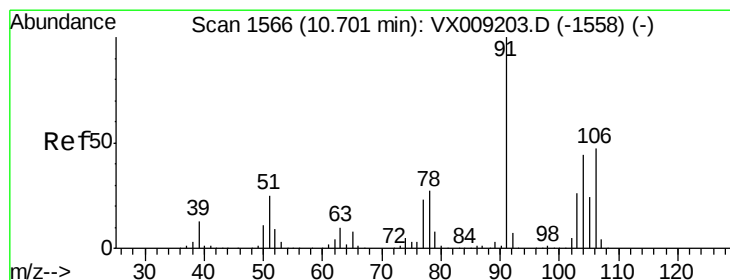
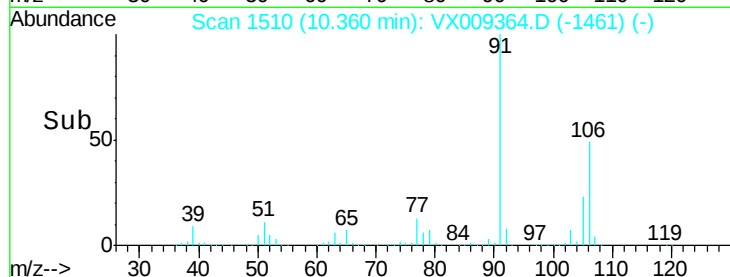
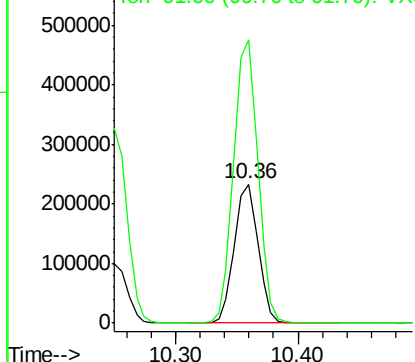
Tot Ion:106 Resp: 314428
Ion Ratio Lower Upper
106 100
91 207.3 164.0 246.0

Manual Integrations
APPROVED

MMDadoda
5/7/2019 9:42:17 AM

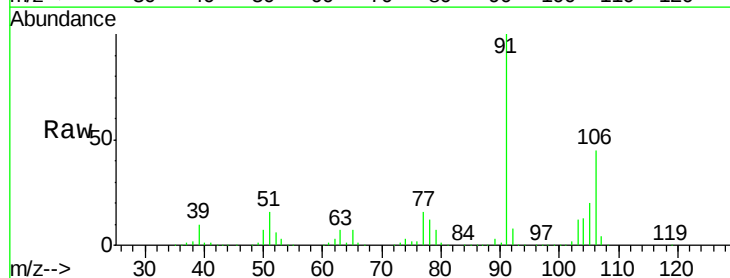


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

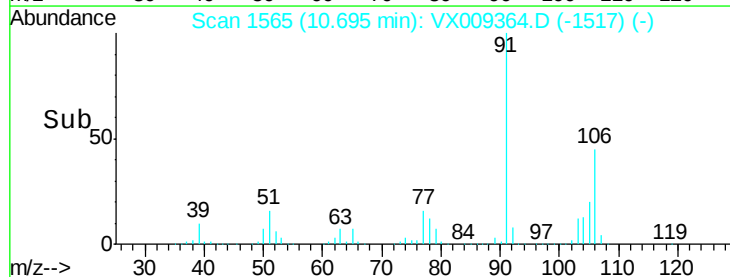
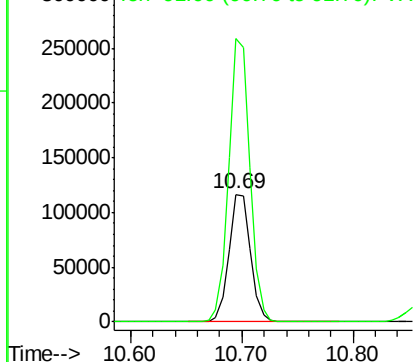


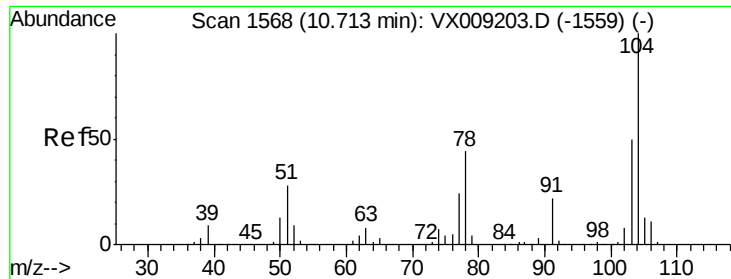
#69
o-Xylene
Concen: 48.390 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX009364.D
Acq: 06 May 2019 20:33

Tgt Ion:106 Resp: 155523
Ion Ratio Lower Upper
106 100
91 218.6 109.5 328.4



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





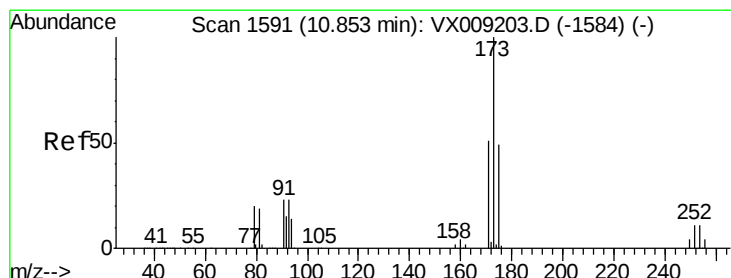
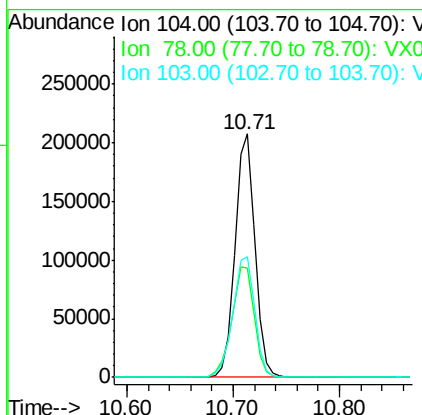
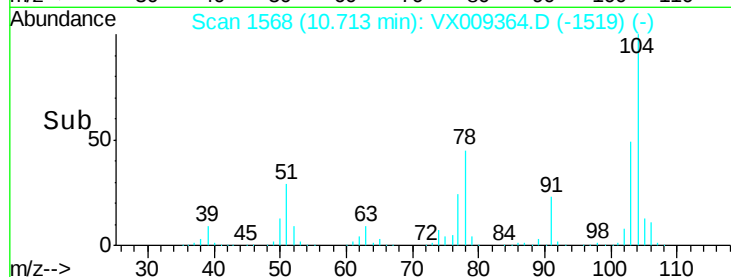
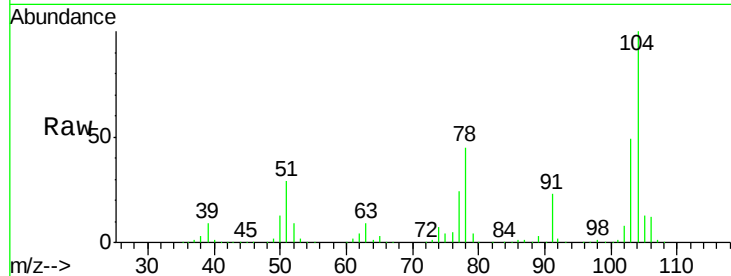
#70
Stvrene
Concen: 48.722 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX009364.D
Acq: 06 May 2019 20:33

Instrument :
MSVOA_X
ClientSampleId :
MW-4-20190502MSD

Tot Ion	Ratio	Lower	Upper
104	100		
78	51.3	41.0	61.4
103	55.0	43.8	65.6

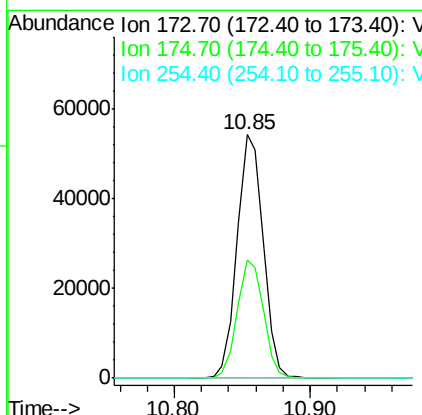
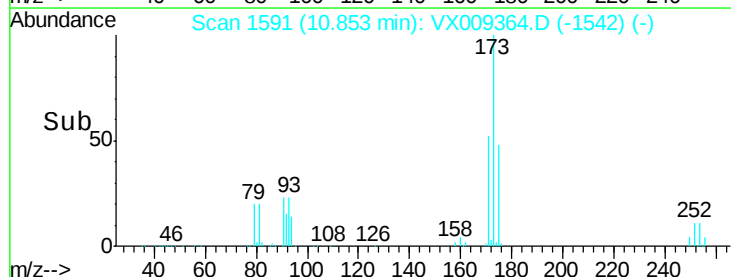
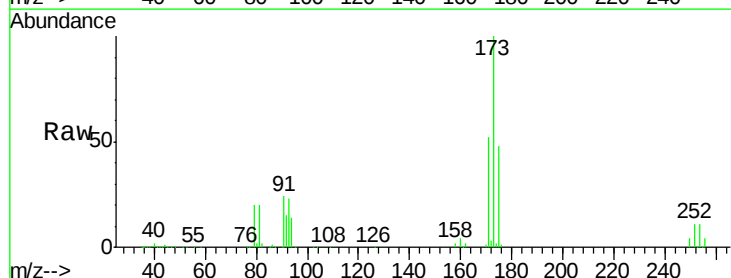
Manual Integrations
APPROVED

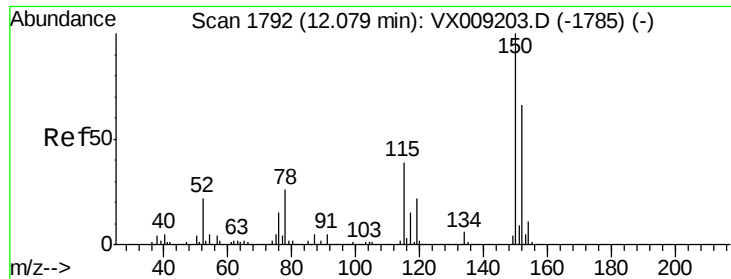
MMDadoda
5/7/2019 9:42:17 AM



#71
Bromoform
Concen: 50.839 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. 0.00 min
Lab File: VX009364.D
Acq: 06 May 2019 20:33

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.5	73.5
254	0.2	0.1	0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX009364.D

Acq: 06 May 2019 20:33

Instrument :

MSVOA_X

ClientSampleId :

MW-4-20190502MSD

Tot Ion:152 Resp: 120584

Ion Ratio Lower Upper

152 100

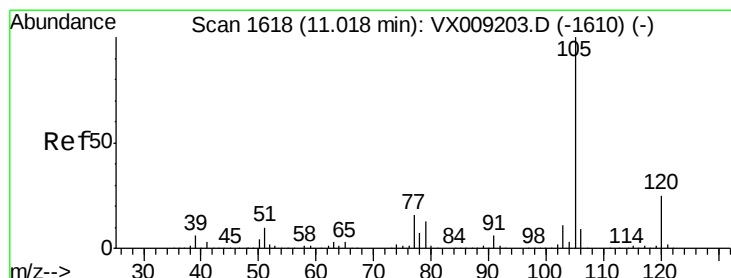
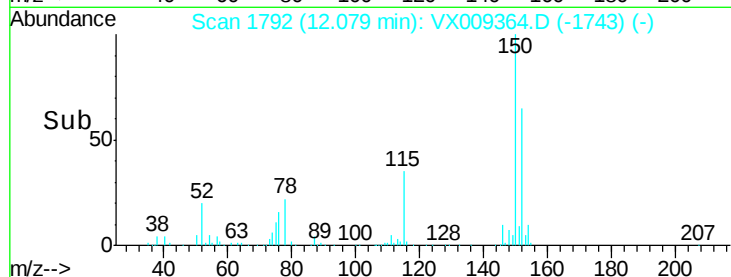
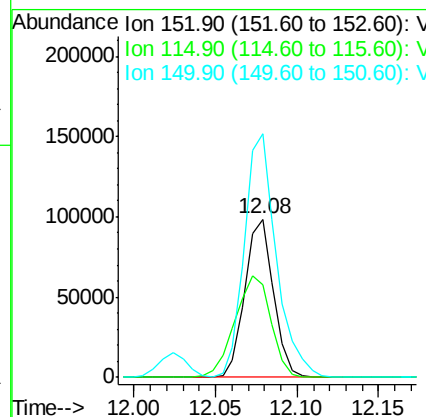
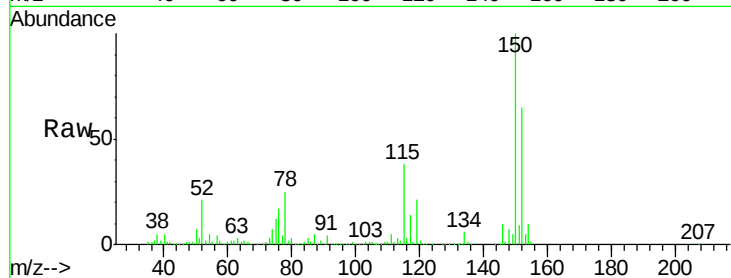
115 80.6 41.2 123.6

150 172.1 0.0 346.4

Manual Integrations
APPROVED

MMDadoda

5/7/2019 9:42:17 AM



#73

Isopropylbenzene

Concen: 46.832 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX009364.D

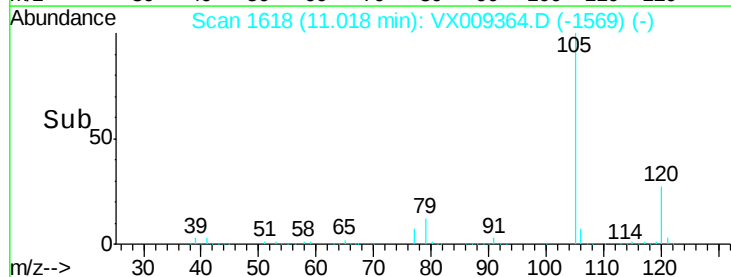
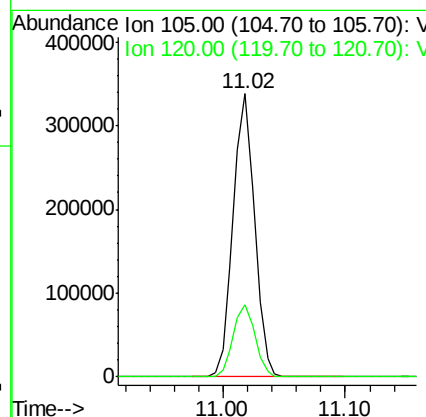
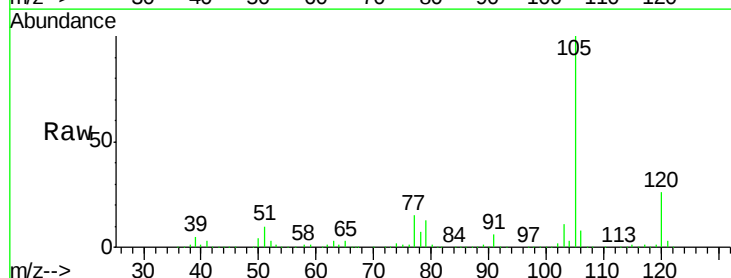
Acq: 06 May 2019 20:33

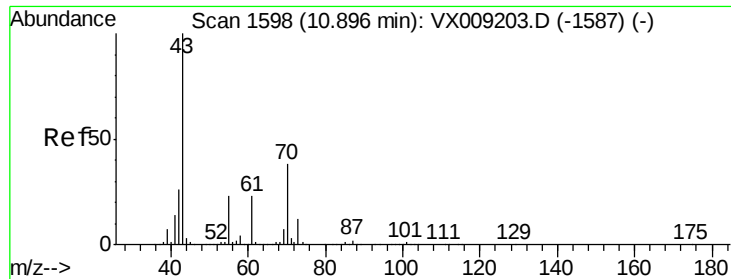
Tgt Ion:105 Resp: 410660

Ion Ratio Lower Upper

105 100

120 26.0 12.8 38.3





#74

N-amvl acetate

Concen: 46.896 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX009364.D

Acq: 06 May 2019 20:33

Instrument :

MSVOA_X

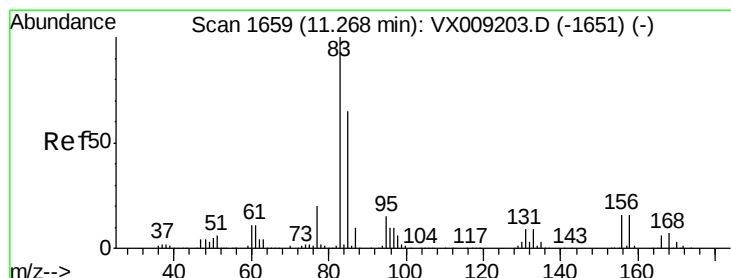
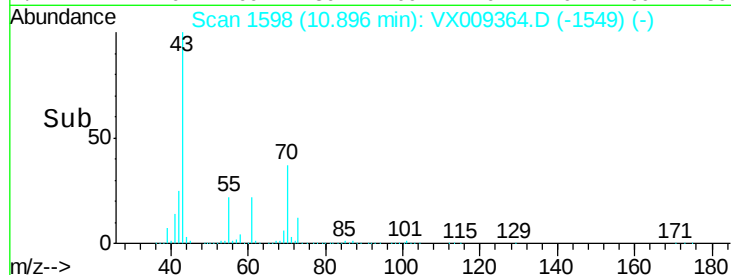
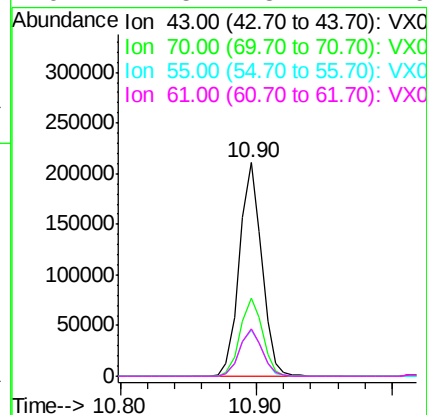
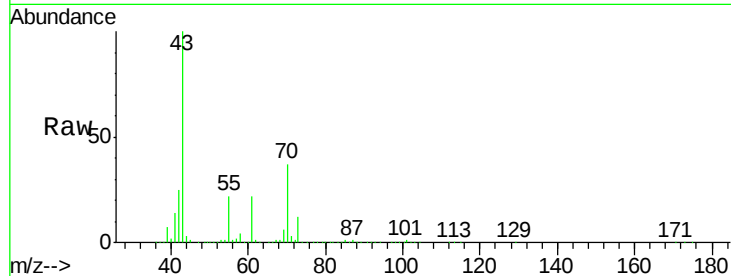
ClientSampleId :

MW-4-20190502MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100		239745		
70	37.4	30.0	45.0		
55	22.7	17.9	26.9		
61	22.5	18.4	27.6		

Manual Integrations
APPROVED

MMDadoda
5/7/2019 9:42:17 AM



#75

1,1,2,2-Tetrachloroethane

Concen: 49.607 ug/l

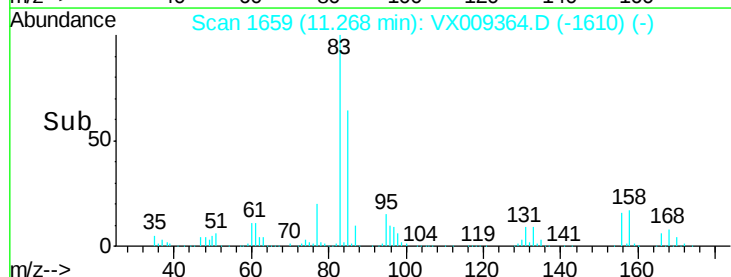
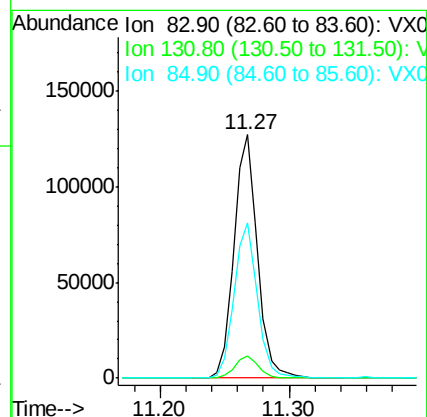
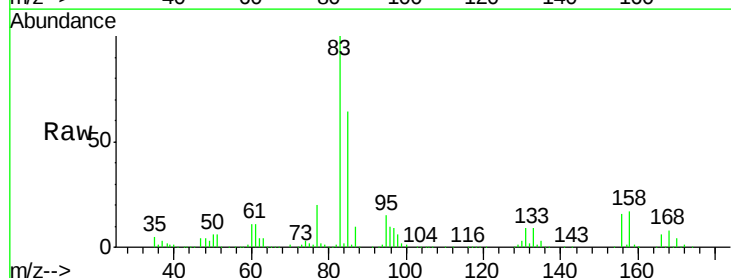
RT: 11.27 min Scan# 1659

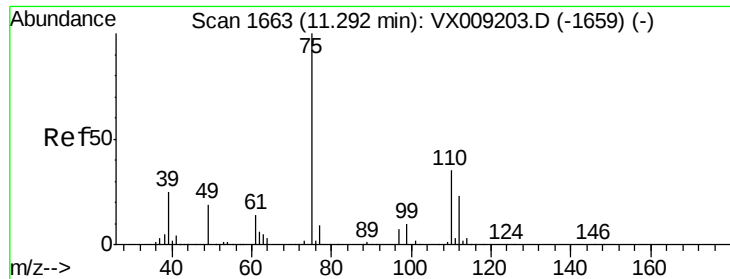
Delta R.T. 0.00 min

Lab File: VX009364.D

Acq: 06 May 2019 20:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100		162159		
131	9.2	4.6	13.8		
85	64.0	32.0	96.2		





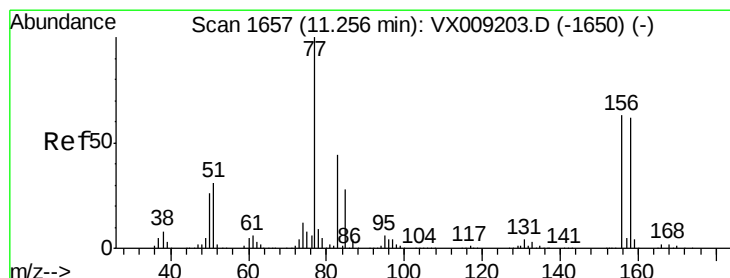
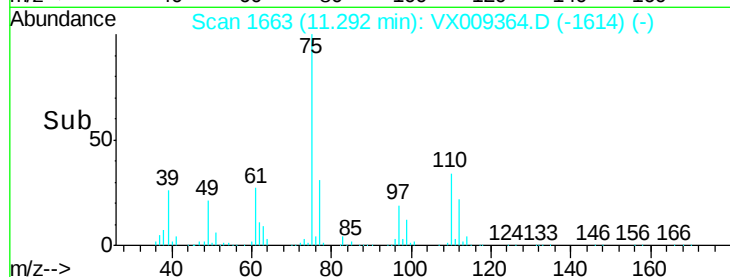
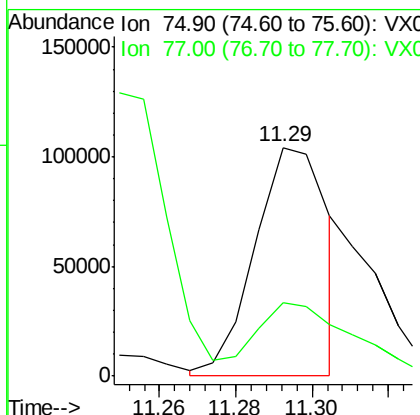
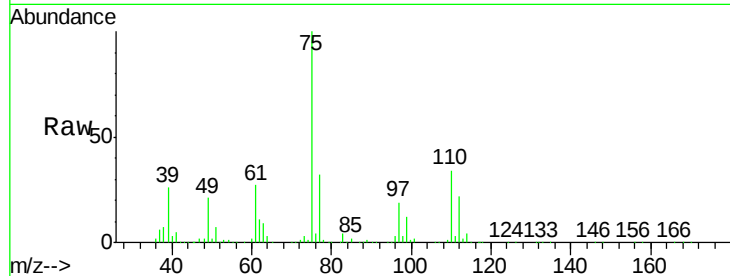
#76
1,2,3-Trichloropropane
Concen: 49.229 ug/l m
RT: 11.29 min Scan# 1663
Delta R.T. 0.00 min
Lab File: VX009364.D
Acq: 06 May 2019 20:33

Instrument :
MSVOA_X
ClientSampleId :
MW-4-20190502MSD

Tot Ion: 75 Resp: 137699
Ion Ratio Lower Upper
75 100
77 43.3 22.1 66.1

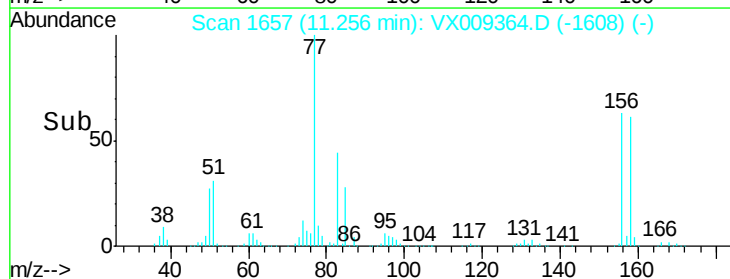
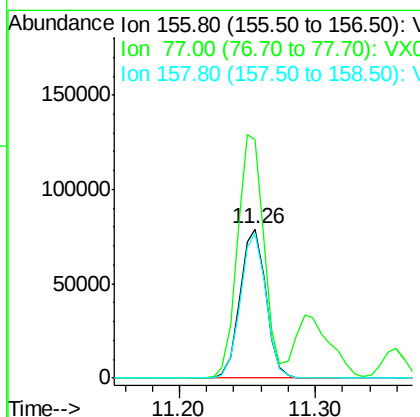
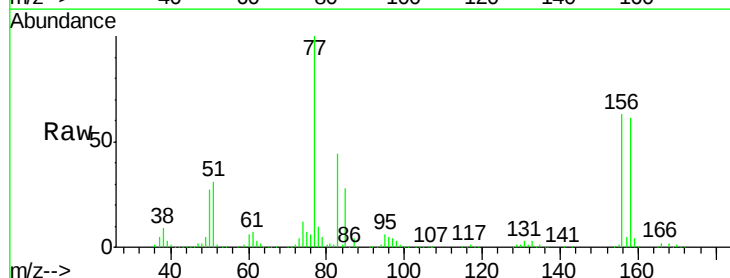
Manual Integrations
APPROVED

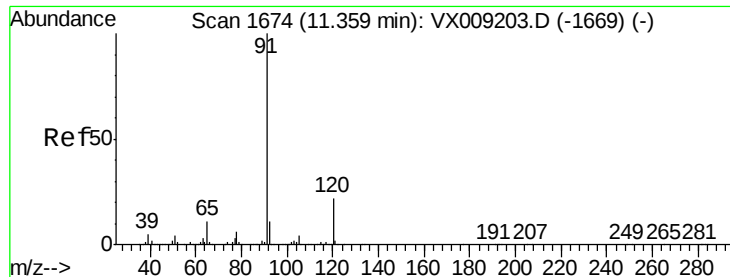
MMDadoda
5/7/2019 9:42:17 AM



#77
Bromobenzene
Concen: 47.795 ug/l
RT: 11.26 min Scan# 1657
Delta R.T. 0.00 min
Lab File: VX009364.D
Acq: 06 May 2019 20:33

Tgt Ion: 156 Resp: 104022
Ion Ratio Lower Upper
156 100
77 166.9 84.8 254.3
158 96.5 49.1 147.3





#78

n-propylbenzene

Concen: 47.367 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX009364.D

Acq: 06 May 2019 20:33

Instrument :

MSVOA_X

ClientSampleId :

MW-4-20190502MSD

Tot Ion: 91 Resp: 474353

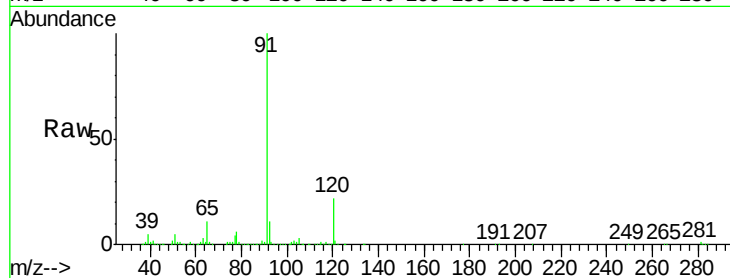
Ion Ratio Lower Upper

91 100

120 22.3 11.0 33.0

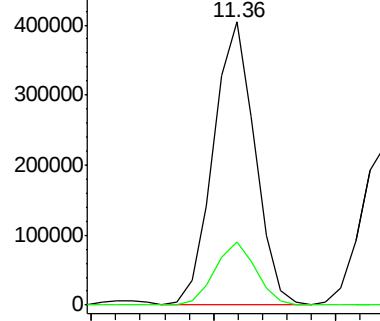
Manual Integrations
APPROVED

MMDadoda
5/7/2019 9:42:17 AM

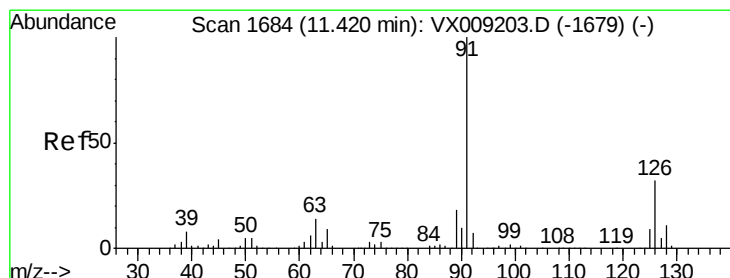
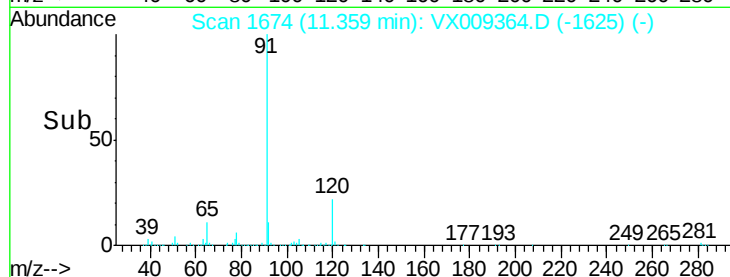


Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V



Time--> 11.30 11.35 11.40



#79

2-Chlorotoluene

Concen: 46.075 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX009364.D

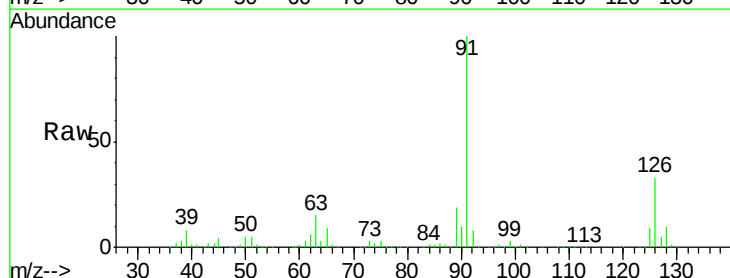
Acq: 06 May 2019 20:33

Tgt Ion: 91 Resp: 284669

Ion Ratio Lower Upper

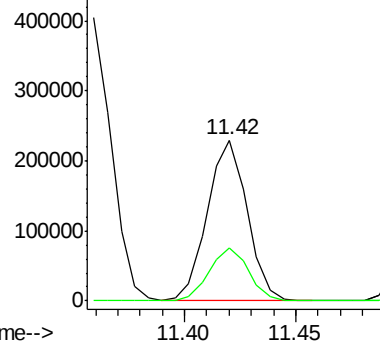
91 100

126 33.1 16.3 48.9

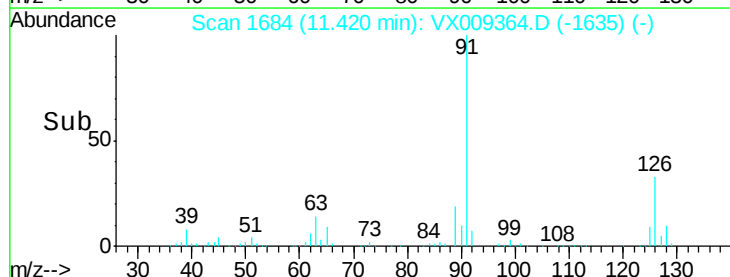


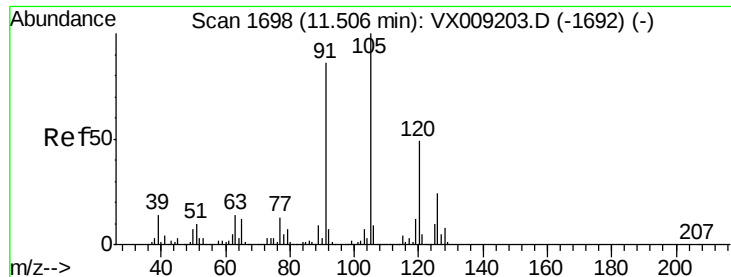
Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



Time--> 11.40 11.45





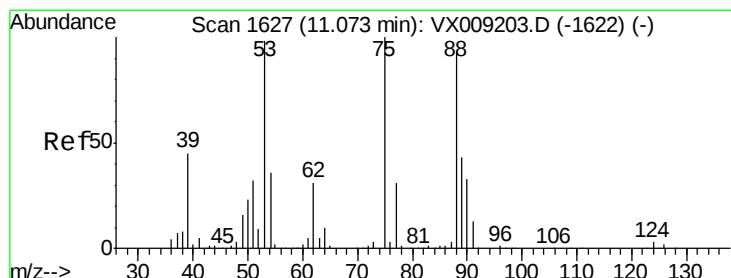
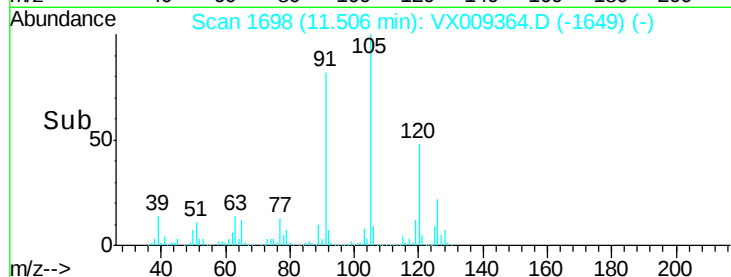
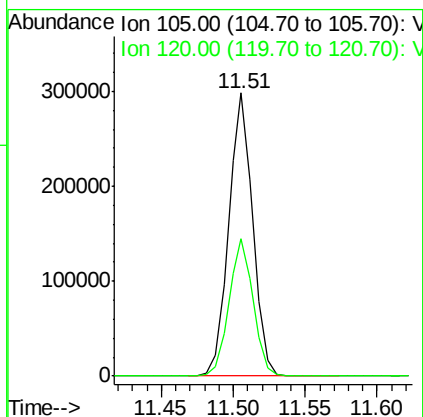
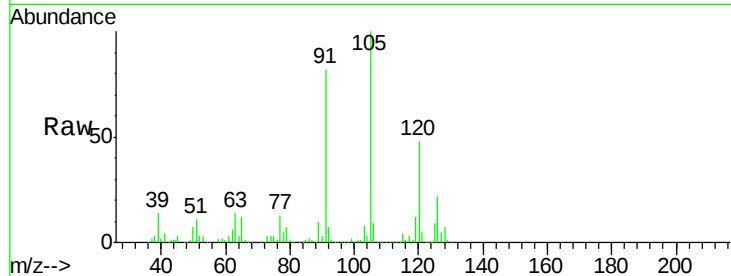
#80
 1,3,5-Trimethylbenzene
 Concen: 47.129 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX009364.D
 Acq: 06 May 2019 20:33

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4-20190502MSD

Tot Ion	Ratio	Lower	Upper
105	100		
120	48.9	24.3	72.9

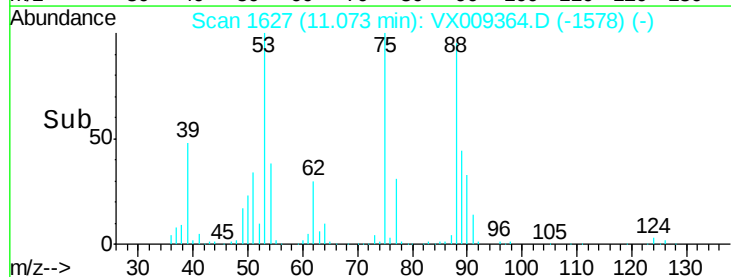
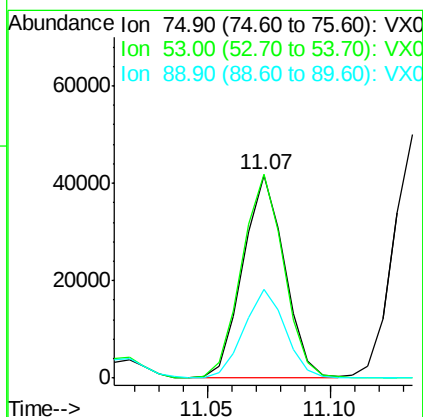
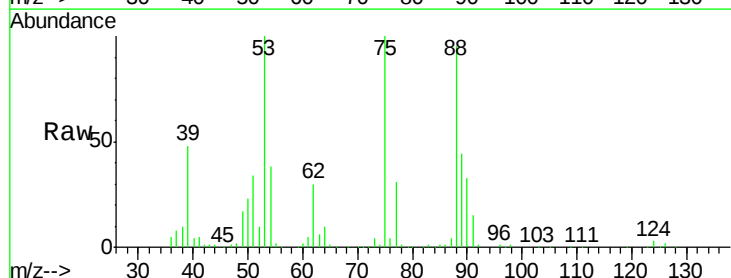
Manual Integrations
 APPROVED

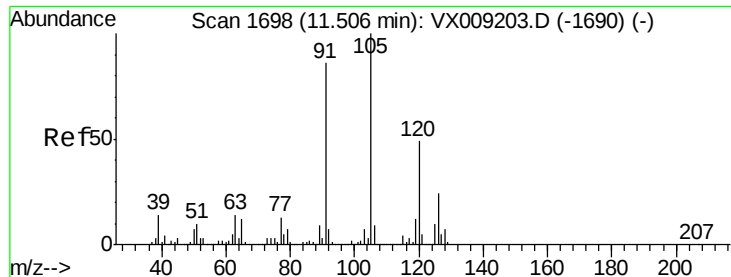
MMDadoda
 5/7/2019 9:42:17 AM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 45.087 ug/l
 RT: 11.07 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VX009364.D
 Acq: 06 May 2019 20:33

Tgt Ion	Ratio	Lower	Upper
75	100		
53	102.4	79.0	118.6
89	44.3	34.7	52.1





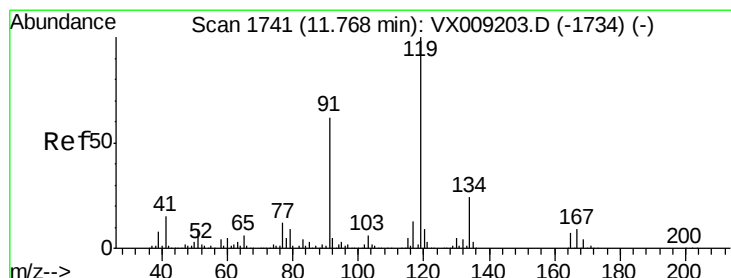
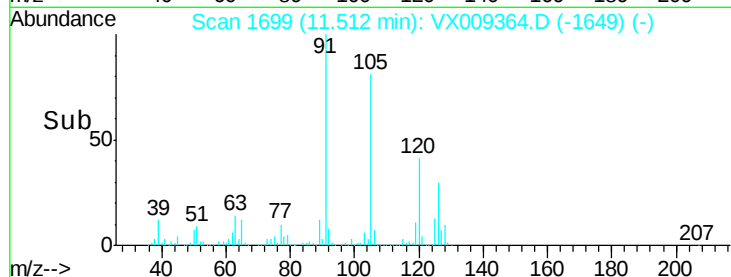
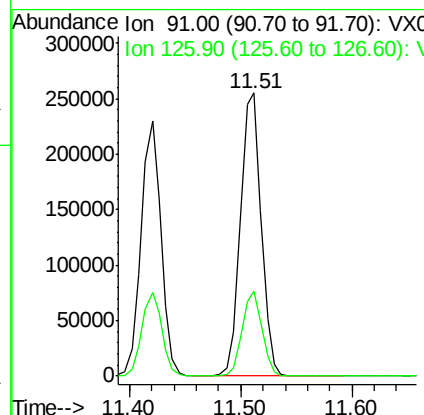
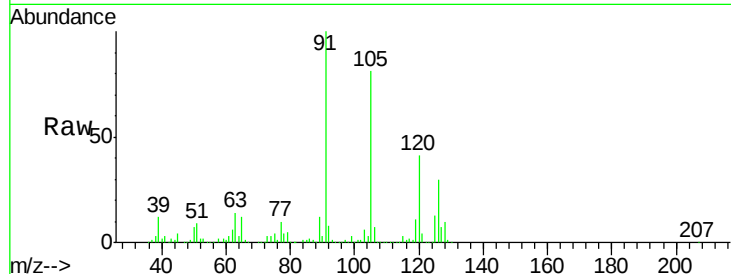
#82
4-Chlorotoluene
Concen: 47.069 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.01 min
Lab File: VX009364.D
Acq: 06 May 2019 20:33

Instrument :
MSVOA_X
ClientSampleId :
MW-4-20190502MSD

Tot Ion	Ratio	Resp	Lower	Upper
91	100	328529		
126	28.9	14.5	43.6	

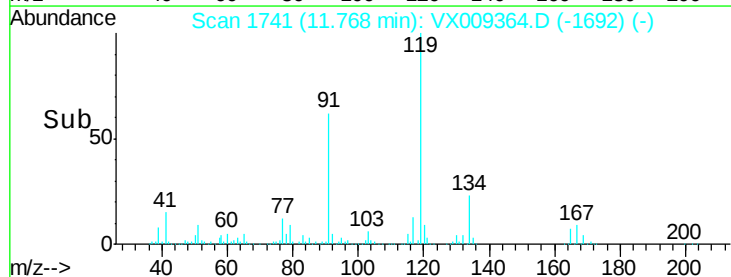
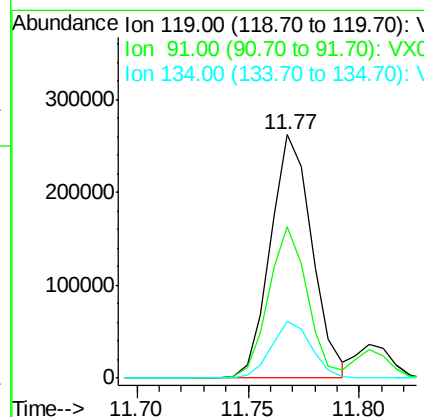
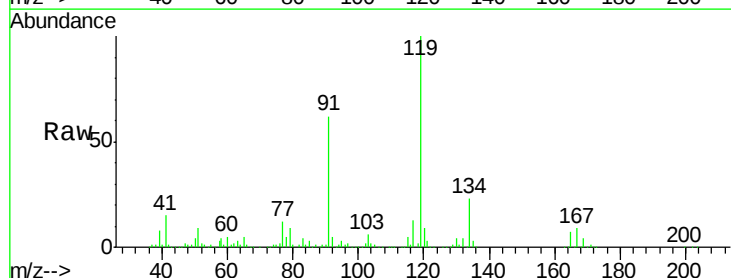
Manual Integrations
APPROVED

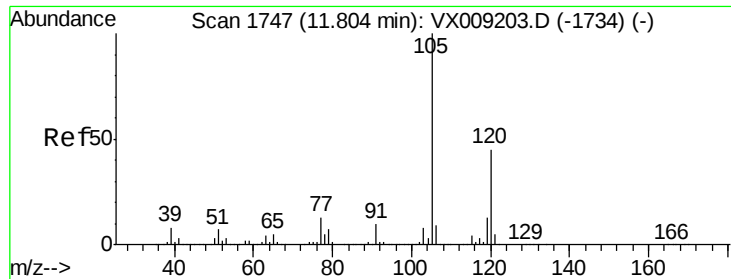
MMDadoda
5/7/2019 9:42:17 AM



#83
tert-Butylbenzene
Concen: 47.400 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX009364.D
Acq: 06 May 2019 20:33

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	340447		
91	58.1	29.5	88.5	
134	22.3	11.4	34.1	





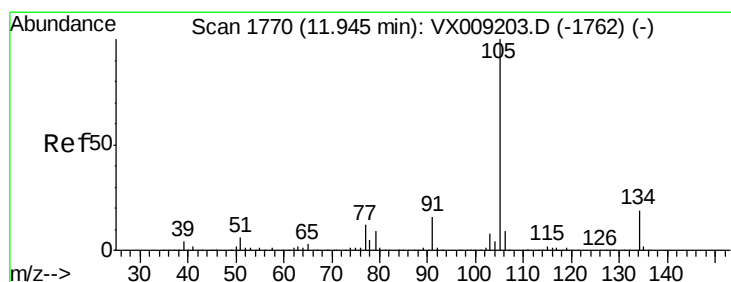
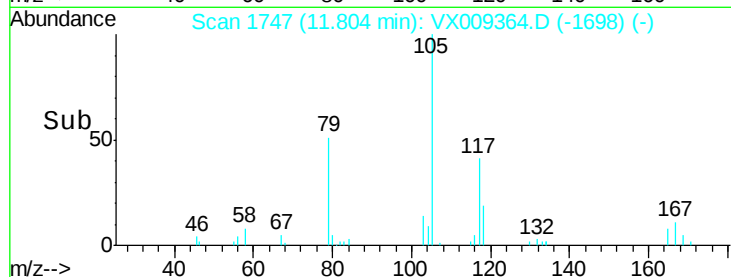
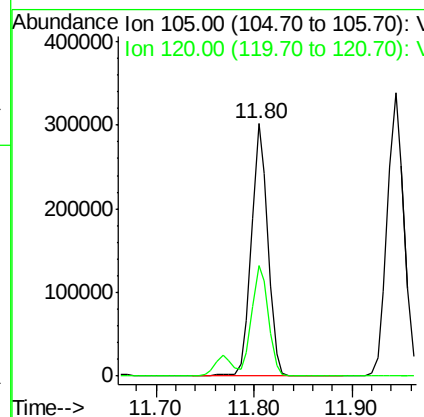
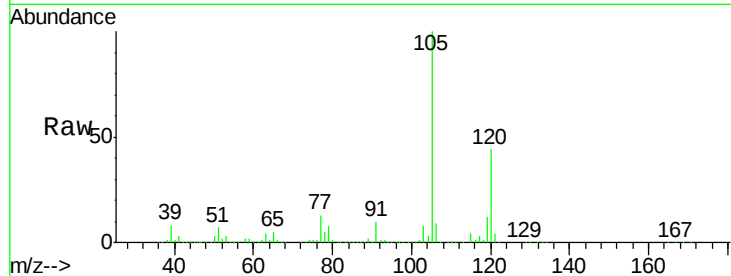
#84
 1,2,4-Trimethylbenzene
 Concen: 47.485 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX009364.D
 Acq: 06 May 2019 20:33

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4-20190502MSD

Tot Ion	Ratio	Lower	Upper
105	100		
120	43.9	22.0	66.0

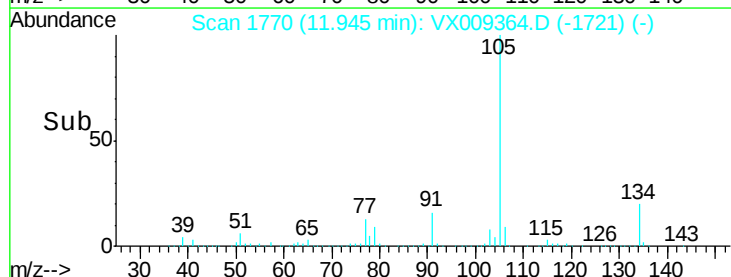
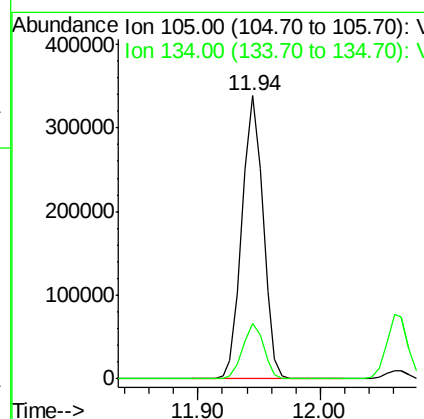
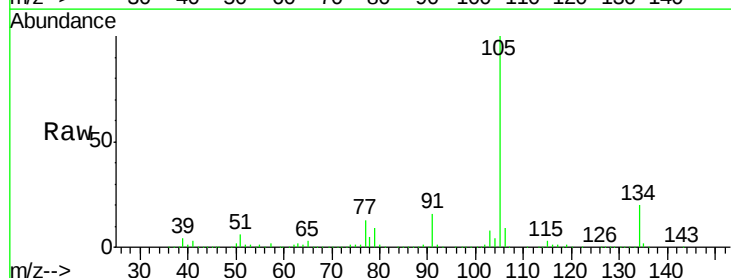
Manual Integrations
 APPROVED

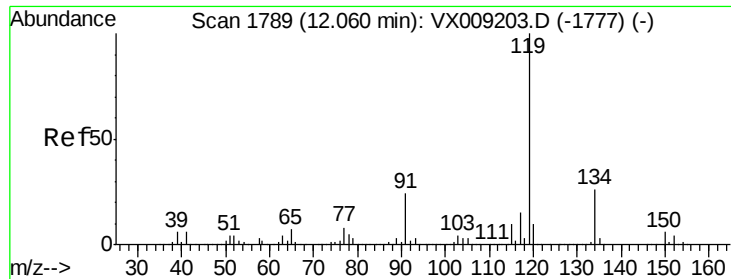
MMDadoda
 5/7/2019 9:42:17 AM



#85
 sec-Butylbenzene
 Concen: 47.281 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX009364.D
 Acq: 06 May 2019 20:33

Tgt Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.7	28.9





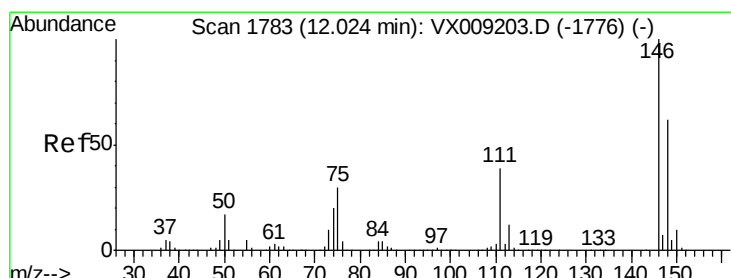
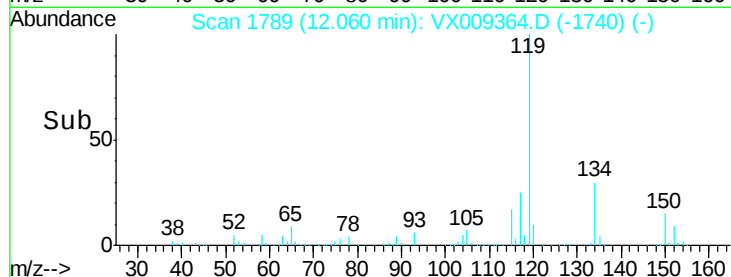
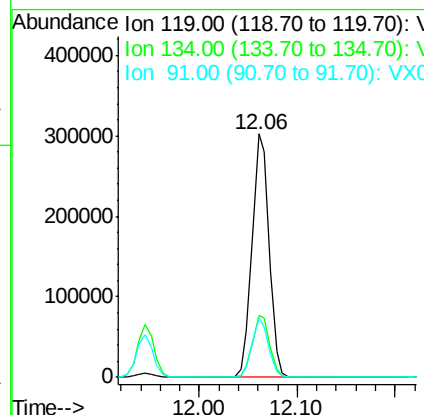
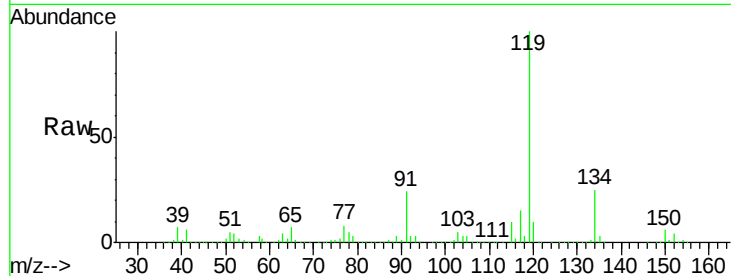
#86
 p-Isopropyltoluene
 Concen: 47.799 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. 0.00 min
 Lab File: VX009364.D
 Acq: 06 May 2019 20:33

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4-20190502MSD

Tot Ion	Ratio	Resp	Lower	Upper
119	100	365912		
134	25.7	12.9	38.7	
91	23.6	11.8	35.4	

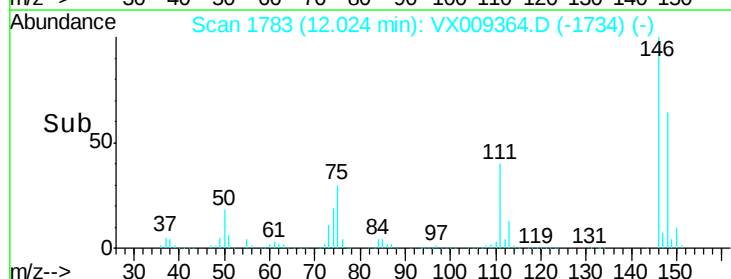
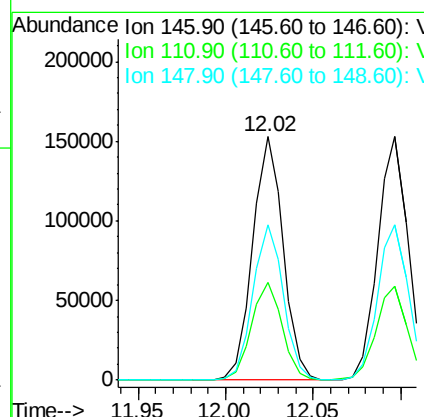
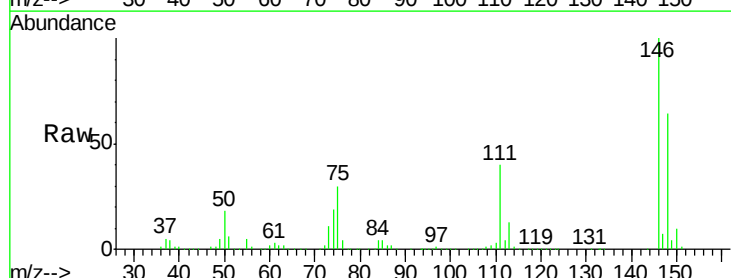
Manual Integrations
 APPROVED

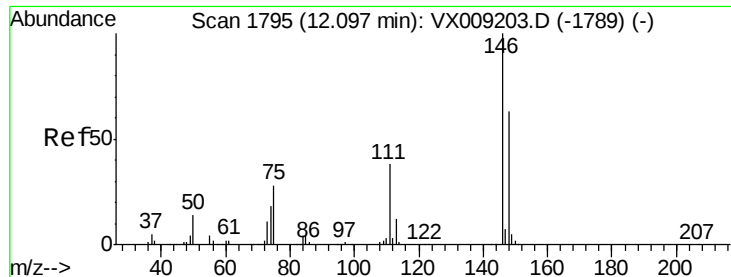
MMDadoda
 5/7/2019 9:42:17 AM



#87
 1,3-Dichlorobenzene
 Concen: 47.654 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX009364.D
 Acq: 06 May 2019 20:33

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	184892		
111	40.3	20.0	59.9	
148	63.7	31.8	95.3	





#88

1,4-Dichlorobenzene

Concen: 46.931 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VX009364.D

Acq: 06 May 2019 20:33

Instrument :

MSVOA_X

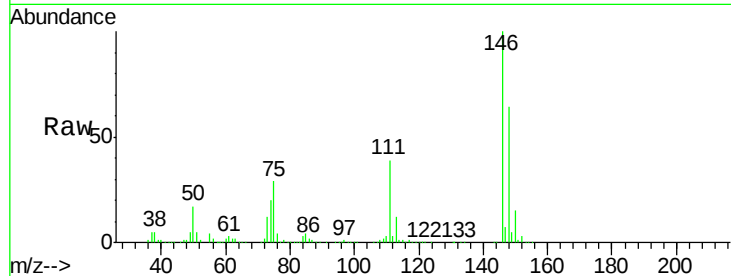
ClientSampleId :

MW-4-20190502MSD

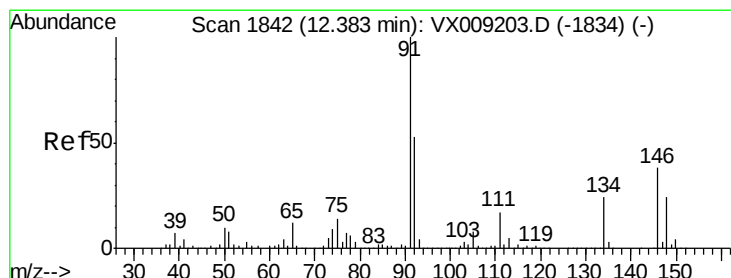
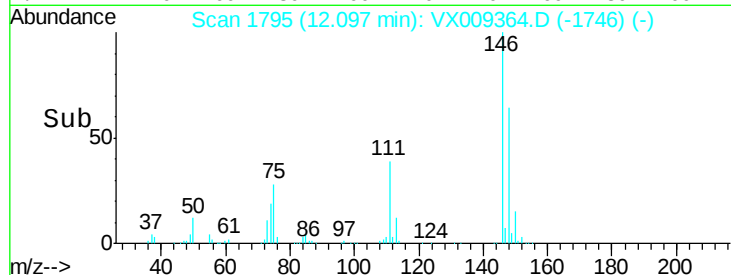
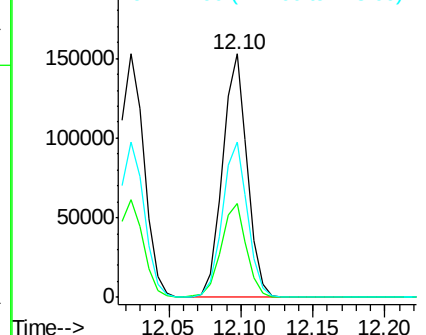
Tot Ion:	146	Resp:	183575
Ion Ratio	Lower	Upper	
146	100		
111	39.4	19.6	58.8
148	65.3	31.8	95.3

Manual Integrations
APPROVED

MMDadoda
5/7/2019 9:42:17 AM



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



#89

n-Butylbenzene

Concen: 47.799 ug/l

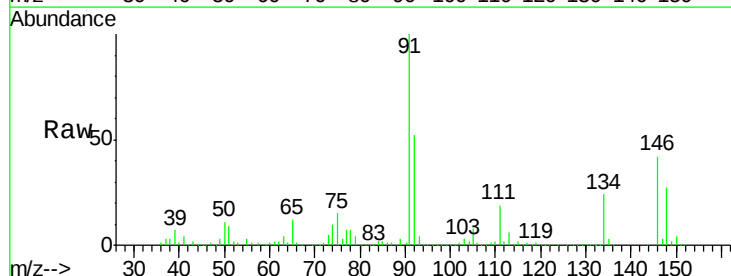
RT: 12.38 min Scan# 1842

Delta R.T. 0.00 min

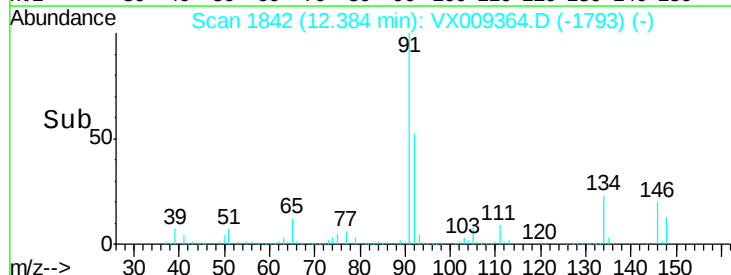
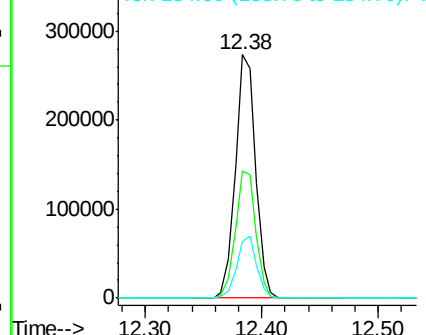
Lab File: VX009364.D

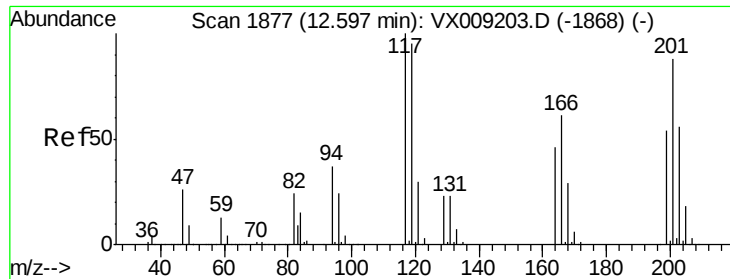
Acq: 06 May 2019 20:33

Tgt Ion:	91	Resp:	330721
Ion Ratio	Lower	Upper	
91	100		
92	52.7	26.5	79.5
134	24.9	12.4	37.2



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 92.00 (91.70 to 92.70): VX0
Ion 134.00 (133.70 to 134.70): V





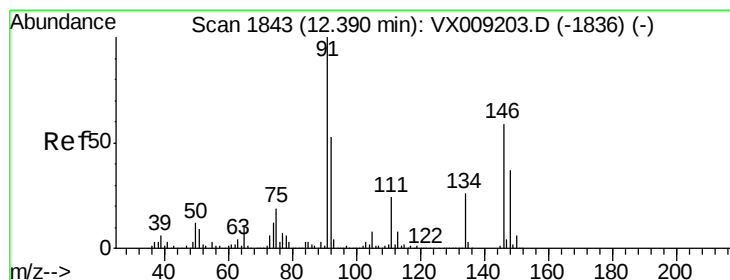
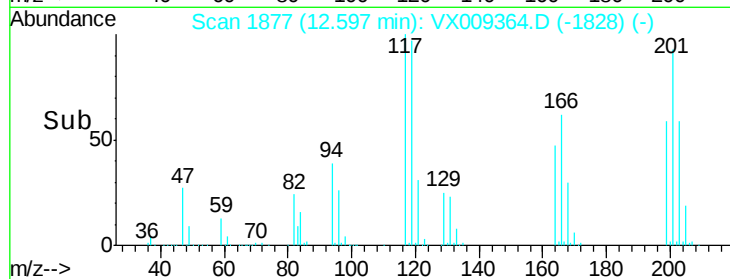
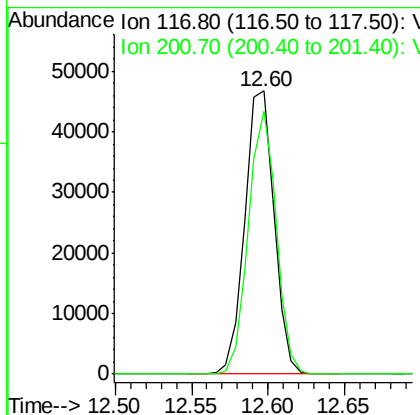
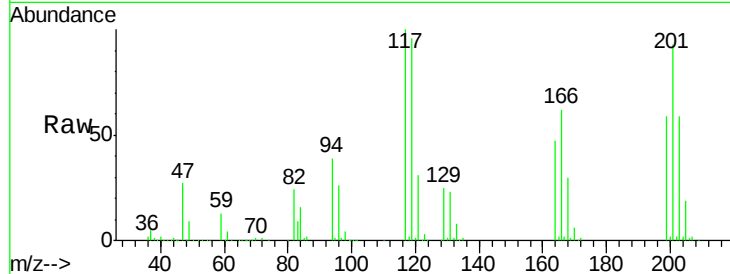
#90
Hexachloroethane
Concen: 47.714 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX009364.D
Acq: 06 May 2019 20:33

Instrument :
MSVOA_X
ClientSampleId :
MW-4-20190502MSD

Tot Ion:117 Resp: 62228
Ion Ratio Lower Upper
117 100
201 88.5 42.3 126.9

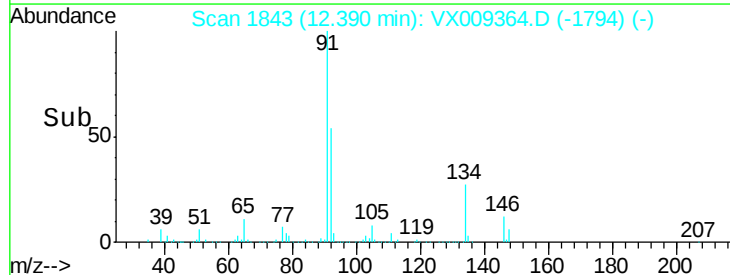
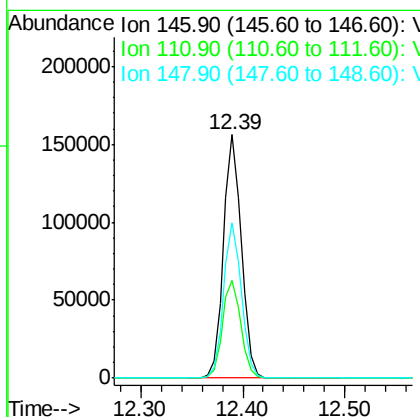
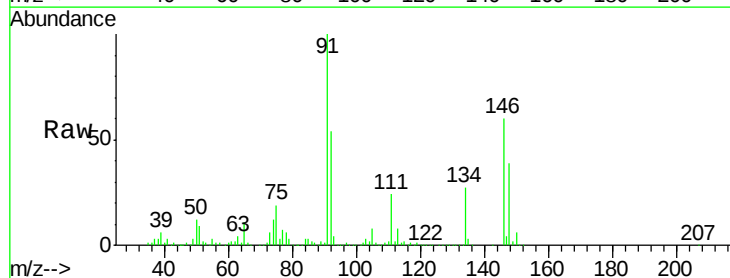
Manual Integrations
APPROVED

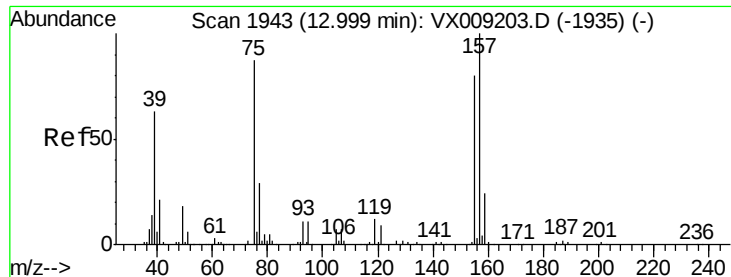
MMDadoda
5/7/2019 9:42:17 AM



#91
1,2-Dichlorobenzene
Concen: 48.310 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX009364.D
Acq: 06 May 2019 20:33

Tgt Ion:146 Resp: 190913
Ion Ratio Lower Upper
146 100
111 41.1 20.8 62.4
148 63.5 31.9 95.9





#92

1,2-Dibromo-3-Chloropropane

Concen: 51.598 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX009364.D

Acq: 06 May 2019 20:33

Instrument :

MSVOA_X

ClientSampleId :

MW-4-20190502MSD

Tot Ion: 75 Resp: 37837

Ion Ratio Lower Upper

75 100

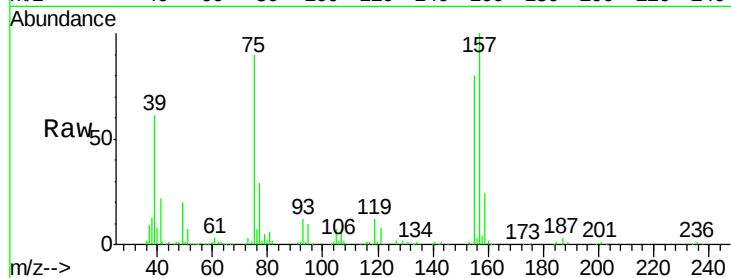
155 84.5 42.0 126.0

157 105.9 53.2 159.6

Manual Integrations
APPROVED

MMDadoda

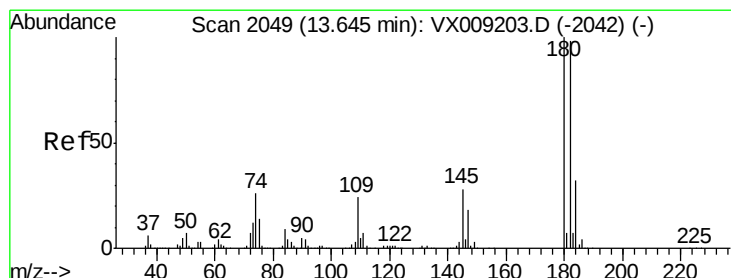
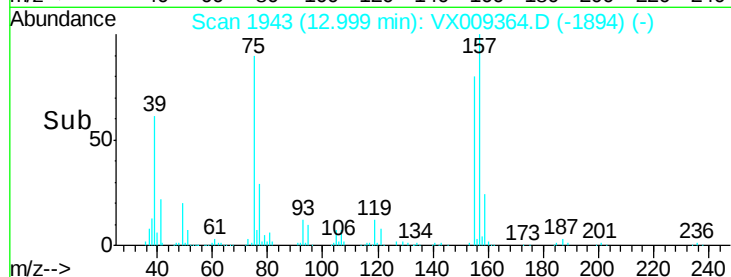
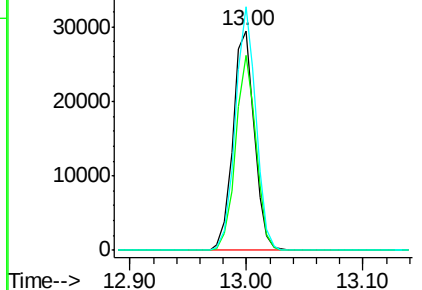
5/7/2019 9:42:17 AM



Abundance Ion 74.90 (74.60 to 75.60): VX

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#93

1,2,4-Trichlorobenzene

Concen: 48.963 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. 0.00 min

Lab File: VX009364.D

Acq: 06 May 2019 20:33

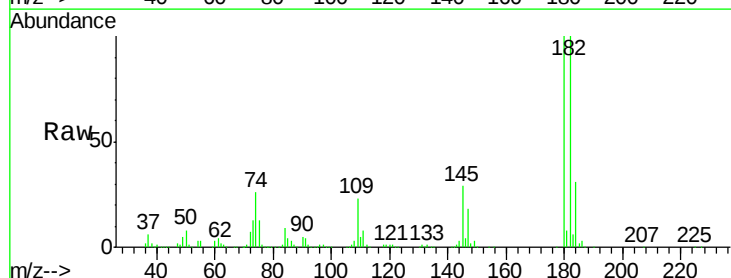
Tgt Ion:180 Resp: 132319

Ion Ratio Lower Upper

180 100

182 95.8 48.4 145.2

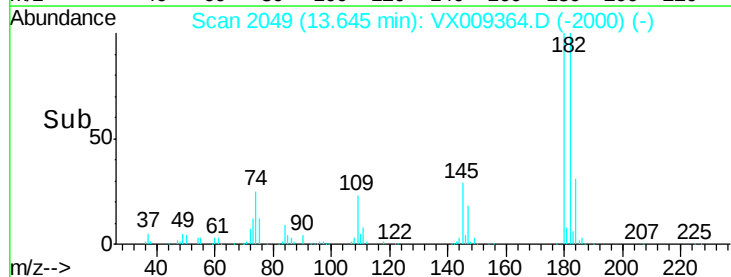
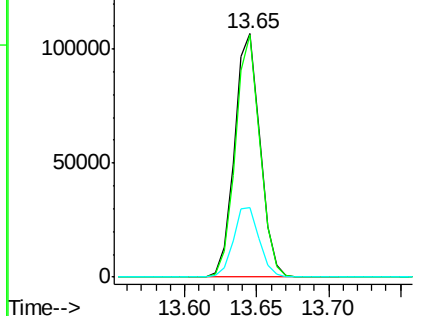
145 29.0 14.6 43.8

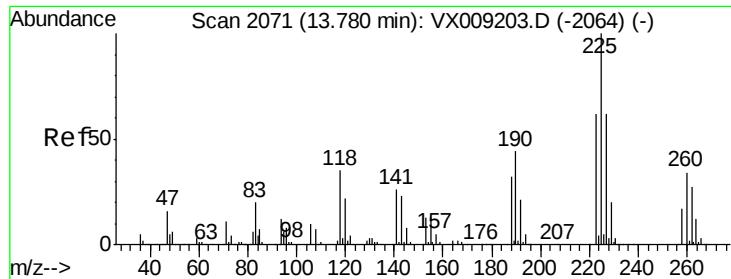


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: 47.446 ug/l

RT: 13.78 min Scan# 2071

Delta R.T. 0.00 min

Lab File: VX009364.D

Acq: 06 May 2019 20:33

Instrument :

MSVOA_X

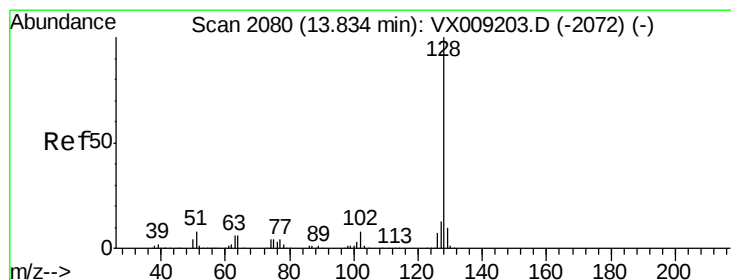
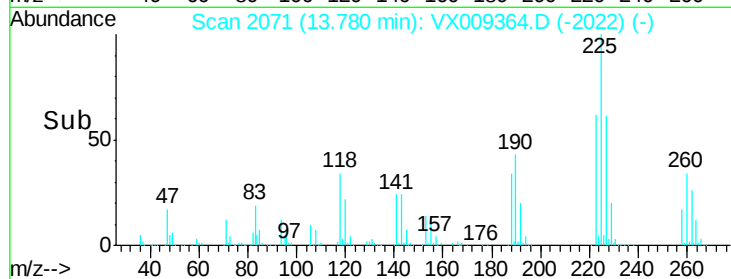
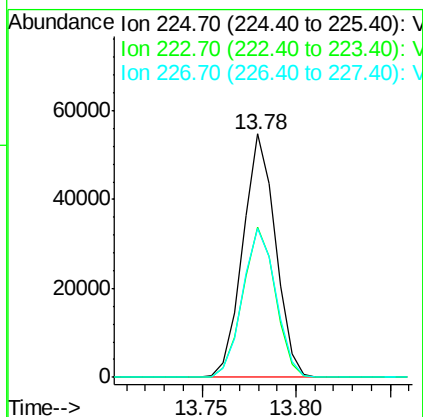
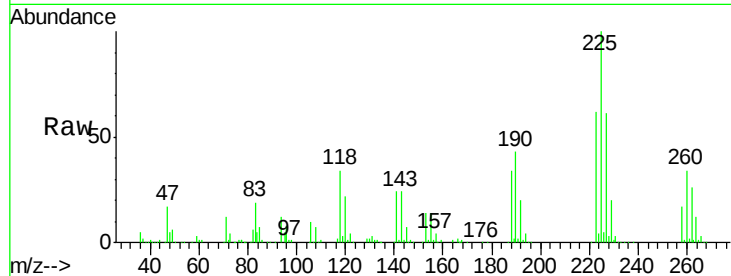
ClientSampleId :

MW-4-20190502MSD

Tot Ion:	225	Resp:	65476
Ion Ratio		Lower	Upper
225	100		
223	62.0	31.3	93.8
227	62.5	31.8	95.3

Manual Integrations
APPROVED

MMDadoda
5/7/2019 9:42:17 AM



#95

Naphthalene

Concen: 51.101 ug/l

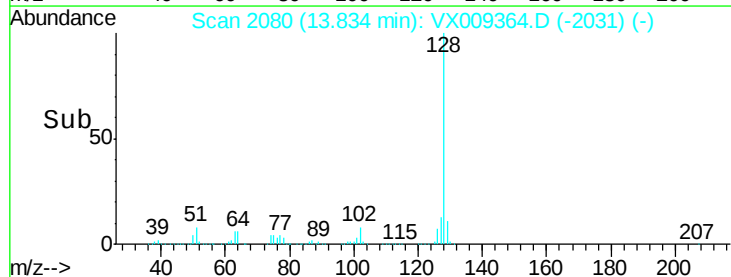
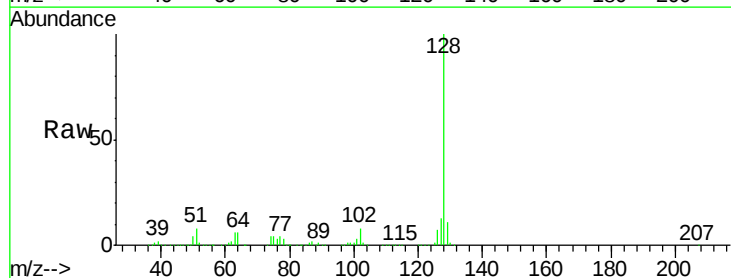
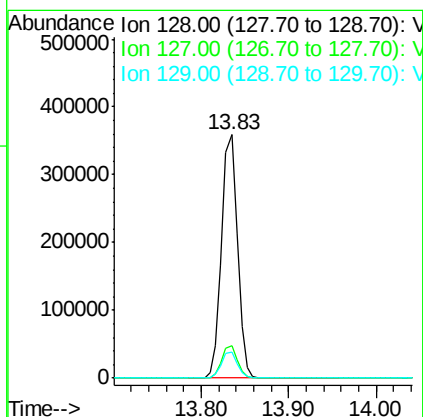
RT: 13.83 min Scan# 2080

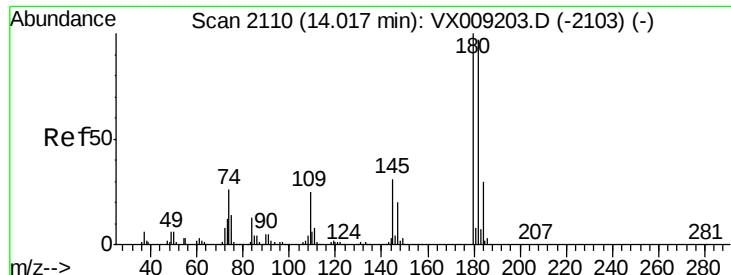
Delta R.T. 0.00 min

Lab File: VX009364.D

Acq: 06 May 2019 20:33

Tgt Ion:	128	Resp:	449279
Ion Ratio		Lower	Upper
128	100		
127	13.1	10.4	15.6
129	10.8	8.6	13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 49.234 ug/l
 RT: 14.02 min Scan# 2110
 Delta R.T. 0.00 min
 Lab File: VX009364.D
 Acq: 06 May 2019 20:33

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4-20190502MSD

Tot Ion:	180	Resp:	134868
Ion Ratio	Lower	Upper	
180	100		
182	95.2	47.8	143.4
145	30.5	15.4	46.4

Manual Integrations
 APPROVED

MMDadoda
 5/7/2019 9:42:17 AM

