

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX072019\
 Data File : VX010993.D
 Acq On : 19 Jul 2019 11:34
 Operator : JC/SP
 Sample : K3591-08 L00 5.0 PPB
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT3-2019

Manual Integrations
 APPROVED

MMDadoda
 7/22/2019 5:22:39 PM

Quant Time: Jul 20 04:05:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 20 03:57:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	232235	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	342305	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	307748	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	160640	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	113448	45.92	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	91.84%	
35) Dibromofluoromethane	5.49	113	99771	45.92	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	91.84%	
50) Toluene-d8	8.71	98	383678	47.08	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	94.16%	
62) 4-Bromofluorobenzene	11.13	95	139421	46.55	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	93.10%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	6519	3.007	ug/l	97
3) Chloromethane	1.32	50	8278	3.876	ug/l	98
4) Vinyl Chloride	1.41	62	8730	4.008	ug/l	94
5) Bromomethane	1.64	94	5674	4.622	ug/l	98
6) Chloroethane	1.72	64	6699	4.839	ug/l	98
7) Trichlorofluoromethane	1.93	101	17324	4.698	ug/l	96
8) Diethyl Ether	2.18	74	6553	5.158	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.38	101	10413	4.946	ug/l	97
10) Methyl Iodide	2.51	142	7505	2.716	ug/l	98
11) Tert butyl alcohol	3.04	59	16909	29.387	ug/l	98
12) 1,1-Dichloroethene	2.37	96	9659	4.669	ug/l	95
13) Acrolein	2.29	56	7766	23.361	ug/l	93
14) Allyl chloride	2.72	41	13816	4.598	ug/l	94
15) Acrylonitrile	3.14	53	27794	23.905	ug/l	99
16) Acetone	2.44	43	27876	24.982	ug/l	100
17) Carbon Disulfide	2.57	76	22623	4.264	ug/l	99
18) Methyl Acetate	2.77	43	16126	6.347	ug/l	98
19) Methyl tert-butyl Ether	3.19	73	32811	4.927	ug/l	97
20) Methylene Chloride	2.85	84	12067	5.103	ug/l	96
21) trans-1,2-Dichloroethene	3.16	96	11297	5.147	ug/l	96
22) Diisopropyl ether	3.85	45	31487	4.969	ug/l	95
23) Vinyl Acetate	3.81	43	116156	21.633	ug/l	98
24) 1,1-Dichloroethane	3.70	63	17434	4.737	ug/l #	91
25) 2-Butanone	4.67	43	38495	24.032	ug/l	99
26) 2,2-Dichloropropane	4.58	77	14178	4.692	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	12717	5.006	ug/l	99
28) Bromochloromethane	5.01	49	8820	5.086	ug/l	95
29) Tetrahydrofuran	5.13	42	24265	23.915	ug/l	98
30) Chloroform	5.21	83	19891	5.000	ug/l	99
31) Cyclohexane	5.57	56	17132	5.107	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	16556	4.811	ug/l	97
36) 1,1-Dichloropropene	5.79	75	14335	5.098	ug/l	99
37) Ethyl Acetate	4.83	43	13852	4.811	ug/l #	93
38) Carbon Tetrachloride	5.78	117	13941	4.758	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX072019\
 Data File : VX010993.D
 Acq On : 19 Jul 2019 11:34
 Operator : JC/SP
 Sample : K3591-08 L00 5.0 PPB
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT3-2019

Manual Integrations
 APPROVED

MMDadoda
 7/22/2019 5:22:39 PM

Quant Time: Jul 20 04:05:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 20 03:57:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	18527	5.081	ug/l	95
40) Benzene	6.14	78	43910	5.098	ug/l	98
41) Methacrylonitrile	5.04	41	8126	4.972	ug/l	98
42) 1,2-Dichloroethane	6.19	62	15630	5.219	ug/l	98
43) Isopropyl Acetate	6.44	43	23018	4.862	ug/l	100
44) Trichloroethene	7.21	130	12781	5.013	ug/l	87
45) 1,2-Dichloropropane	7.51	63	11009	5.022	ug/l	98
46) Dibromomethane	7.66	93	8047	5.137	ug/l	99
47) Bromodichloromethane	7.89	83	13104	4.699	ug/l	93
48) Methyl methacrylate	7.76	41	11367	4.929	ug/l	95
49) 1,4-Dioxane	7.74	88	6295	97.580	ug/l	96
51) 4-Methyl-2-Pentanone	8.64	43	75442	24.583	ug/l	99
52) Toluene	8.78	92	29002	5.126	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	12966	4.325	ug/l	94
54) cis-1,3-Dichloropropene	8.43	75	15085	4.522	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	11667	5.008	ug/l	95
56) Ethyl methacrylate	9.18	69	16955	4.975	ug/l	98
57) 1,3-Dichloropropane	9.37	76	19155	5.183	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	40035	24.611	ug/l	99
59) 2-Hexanone	9.49	43	58593	24.616	ug/l	99
60) Dibromochloromethane	9.58	129	10358	4.391	ug/l	99
61) 1,2-Dibromoethane	9.67	107	12094	4.892	ug/l	100
64) Tetrachloroethene	9.34	164	13042	5.387	ug/l	97
65) Chlorobenzene	10.13	112	32372	5.121	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	10481	4.718	ug/l	98
67) Ethyl Benzene	10.25	91	54591	5.074	ug/l	98
68) m/p-Xylenes	10.35	106	42956	10.408	ug/l	99
69) o-Xylene	10.69	106	20875	5.183	ug/l	98
70) Styrene	10.71	104	33546	4.996	ug/l	98
71) Bromoform	10.85	173	7578	4.276	ug/l #	98
73) Isopropylbenzene	11.02	105	56556	5.210	ug/l	100
74) N-amyl acetate	10.90	43	19273	4.647	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.26	83	17962	5.057	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	14914m	5.145	ug/l	
77) Bromobenzene	11.26	156	15210	5.080	ug/l	98
78) n-propylbenzene	11.35	91	62750	5.232	ug/l	97
79) 2-Chlorotoluene	11.42	91	36943	5.128	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	46556	5.133	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	3885	3.688	ug/l #	84
82) 4-Chlorotoluene	11.51	91	42378	5.054	ug/l	98
83) tert-Butylbenzene	11.77	119	45670	5.126	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	45773	5.007	ug/l	100
85) sec-Butylbenzene	11.94	105	53663	5.141	ug/l	99
86) p-Isopropyltoluene	12.06	119	48430	5.018	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	26432	5.087	ug/l	97
88) 1,4-Dichlorobenzene	12.10	146	27547	5.169	ug/l	93
89) n-Butylbenzene	12.38	91	41485	5.025	ug/l	98
90) Hexachloroethane	12.59	117	6160	4.047	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	26899	5.224	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	3237	4.360	ug/l	92

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072019\
Data File : VX010993.D
Acq On : 19 Jul 2019 11:34
Operator : JC/SP
Sample : K3591-08 L00 5.0 PPB
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT3-2019

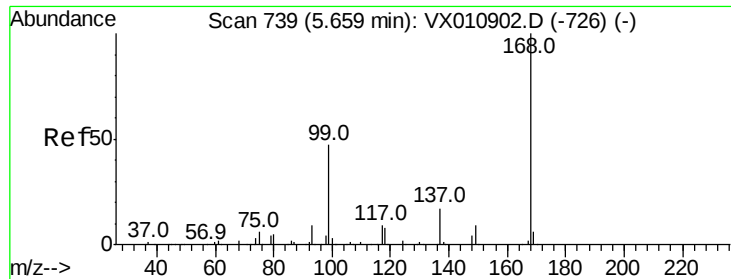
Manual Integrations
APPROVED

MMDadoda
7/22/2019 5:22:39 PM

Quant Time: Jul 20 04:05:06 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
Quant Title : SW846 8260
QLast Update : Sat Jul 20 03:57:43 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	18010	5.161	ug/l	99
94) Hexachlorobutadiene	13.78	225	8450	4.886	ug/l	97
95) Naphthalene	13.83	128	48043	4.662	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	17800	5.126	ug/l	100

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



#1

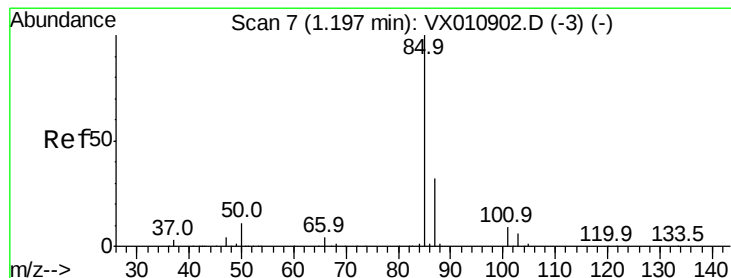
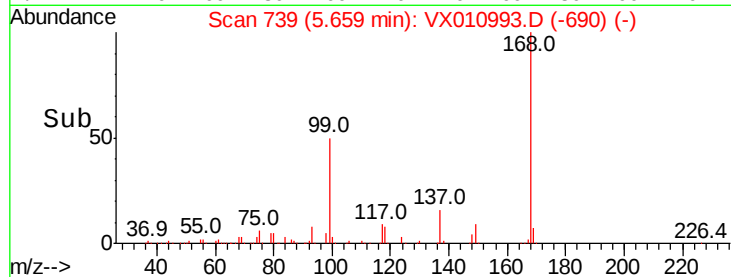
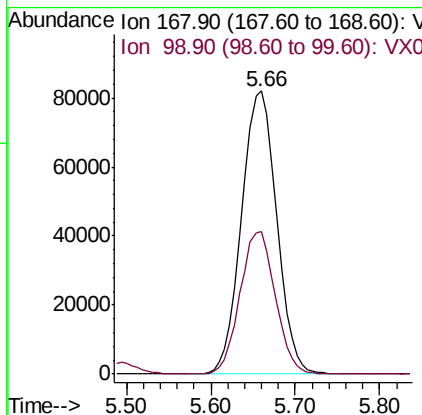
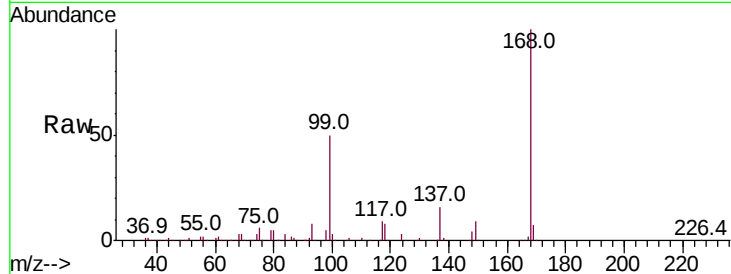
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. 0.00 min
 Lab File: VX010993.D
 Acq: 19 Jul 2019 11:34

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT3-2019

Tot Ion	Ratio	Lower	Upper
168	100		
99	50.2	37.6	56.4

Manual Integrations
 APPROVED

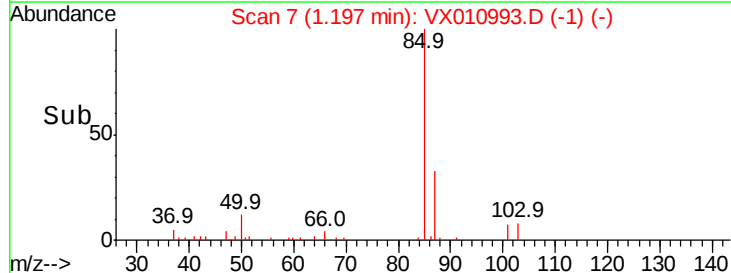
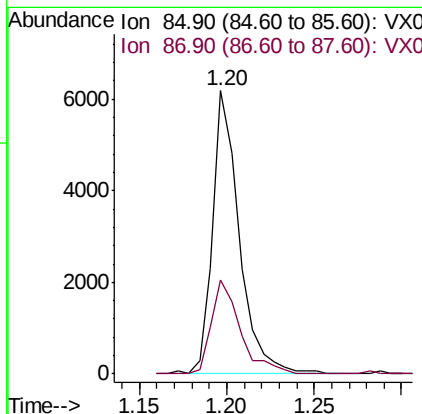
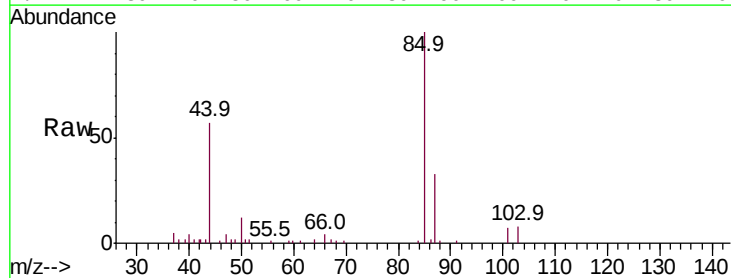
MMDadoda
 7/22/2019 5:22:39 PM

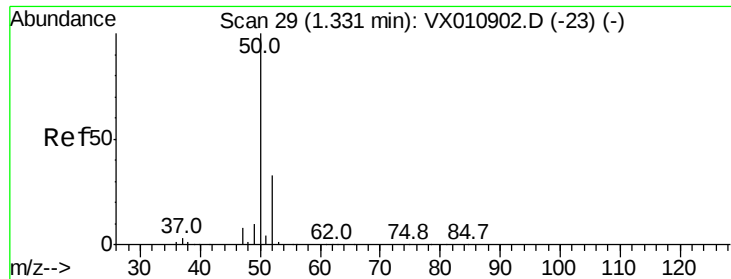


#2

Dichlorodifluoromethane
 Concen: 3.007 ug/l
 RT: 1.20 min Scan# 7
 Delta R.T. 0.00 min
 Lab File: VX010993.D
 Acq: 19 Jul 2019 11:34

Tgt Ion	Ratio	Lower	Upper
85	100		
87	33.3	15.9	47.7





#3

Chloromethane

Concen: 3.876 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.01 min

Lab File: VX010993.D

Acq: 19 Jul 2019 11:34

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT3-2019

Tot Ion: 50 Resp: 8278

Ion Ratio Lower Upper

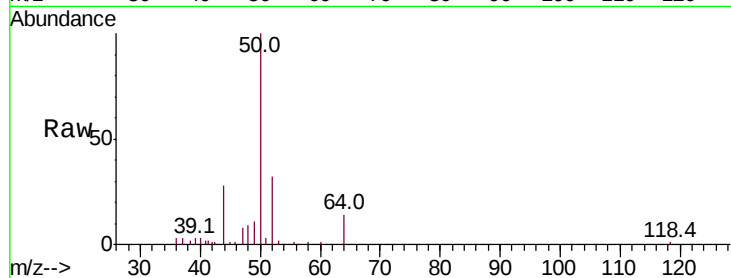
50 100

52 32.0 26.4 39.6

Manual Integrations
APPROVED

MMDadoda

7/22/2019 5:22:39 PM



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

8000

6000

4000

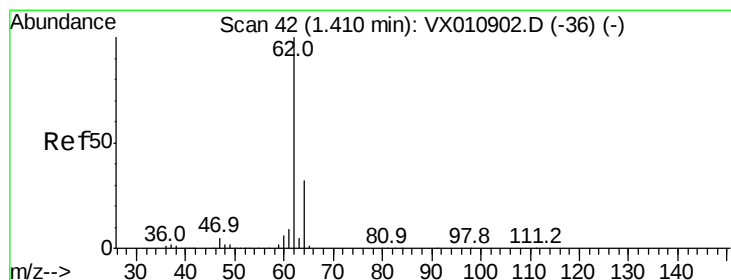
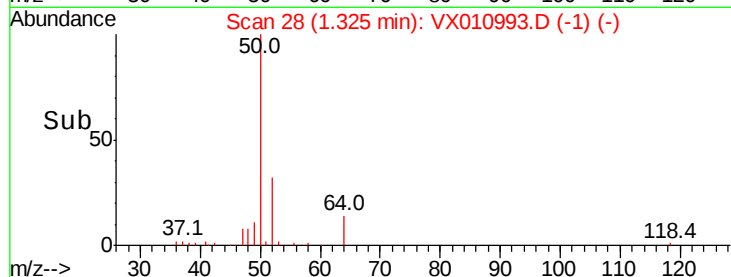
2000

0

1.32

1.35

Time-->



#4

Vinyl Chloride

Concen: 4.008 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX010993.D

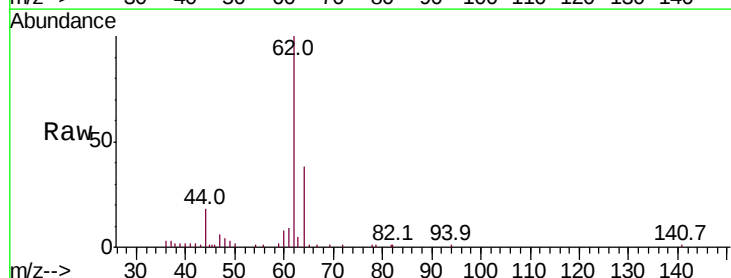
Acq: 19 Jul 2019 11:34

Tgt Ion: 62 Resp: 8730

Ion Ratio Lower Upper

62 100

64 35.7 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

10000

8000

6000

4000

2000

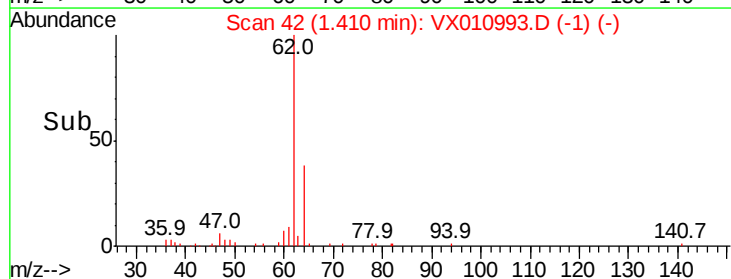
0

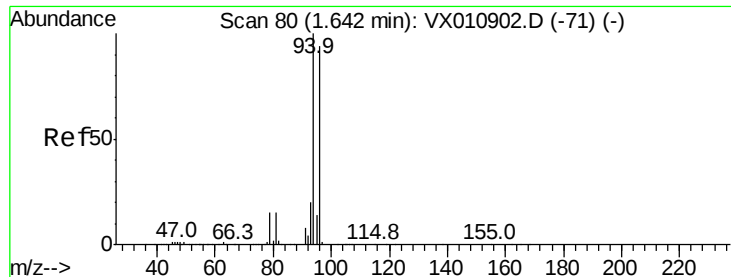
1.41

1.45

1.50

Time-->





#5

Bromomethane

Concen: 4.622 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX010993.D

Acq: 19 Jul 2019 11:34

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT3-2019

Tot Ion: 94 Resp: 5674

Ion Ratio Lower Upper

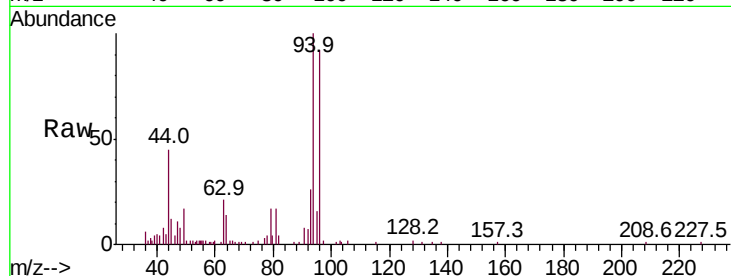
94 100

96 92.7 75.6 113.4

Manual Integrations
APPROVED

MMDadoda

7/22/2019 5:22:39 PM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

6000

5000

4000

3000

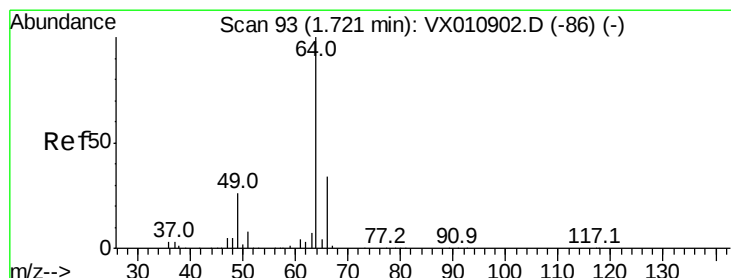
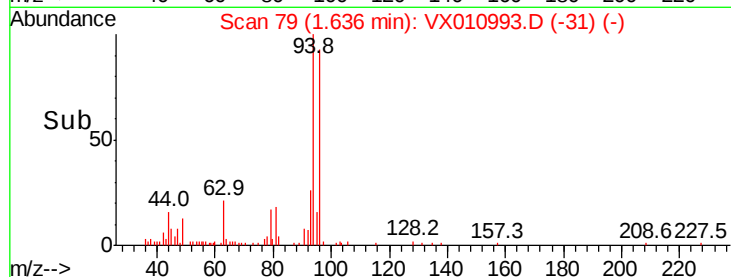
2000

1000

0

1.60 1.65 1.70

Time-->



#6

Chloroethane

Concen: 4.839 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.00 min

Lab File: VX010993.D

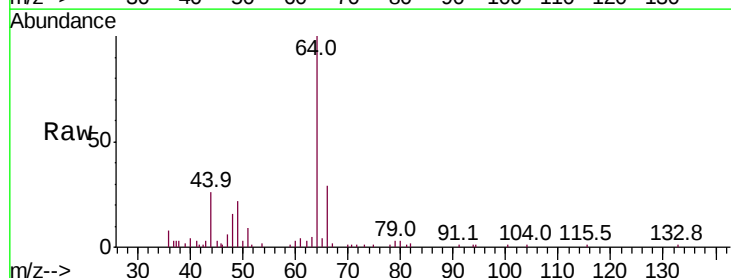
Acq: 19 Jul 2019 11:34

Tgt Ion: 64 Resp: 6699

Ion Ratio Lower Upper

64 100

66 32.4 27.0 40.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

6000

5000

4000

3000

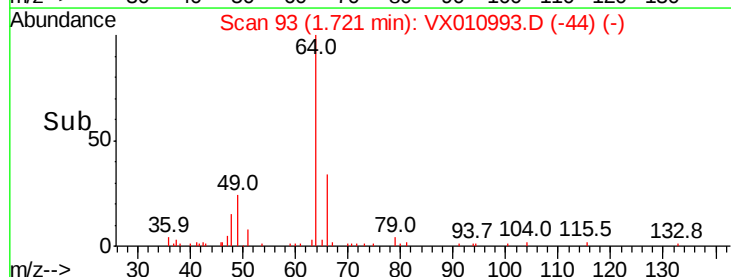
2000

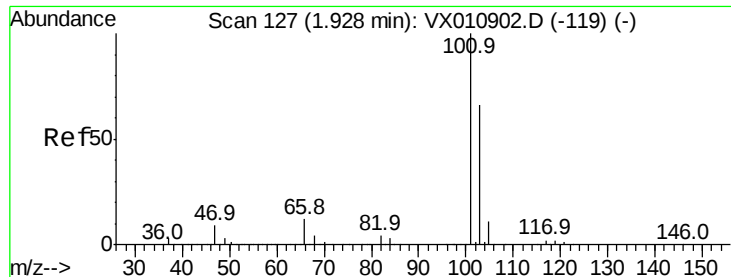
1000

0

1.70 1.75

Time-->





#7

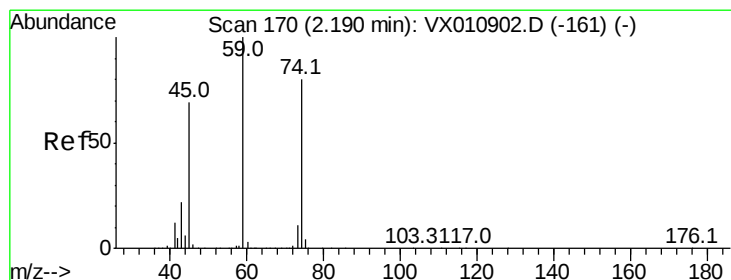
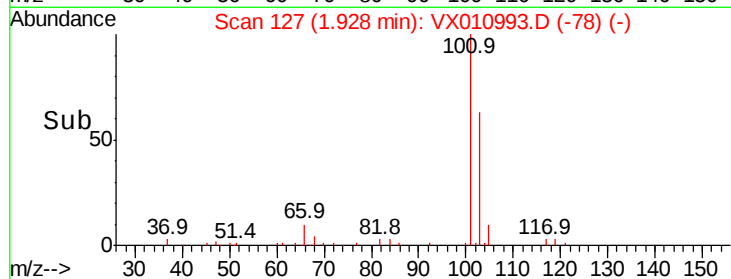
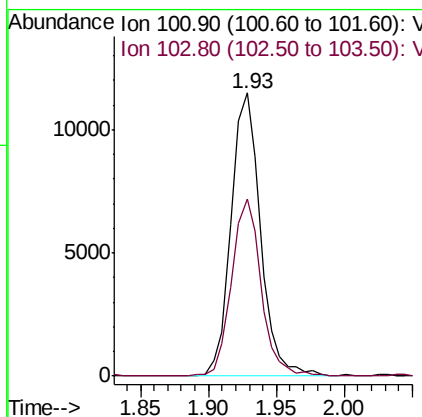
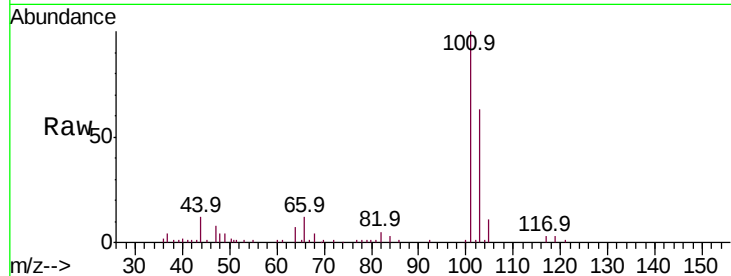
Trichlorofluoromethane
Concen: 4.698 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.00 min
Lab File: VX010993.D
Acq: 19 Jul 2019 11:34

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT3-2019

Tot Ion:101 Resp: 17324
Ion Ratio Lower Upper
101 100
103 62.7 52.6 78.8

Manual Integrations
APPROVED

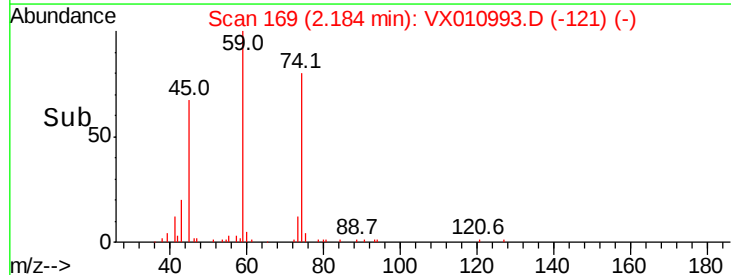
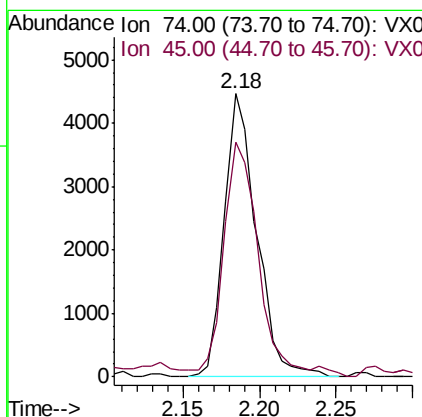
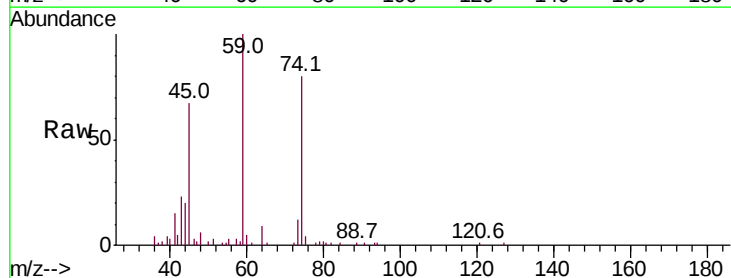
MMDadoda
7/22/2019 5:22:39 PM

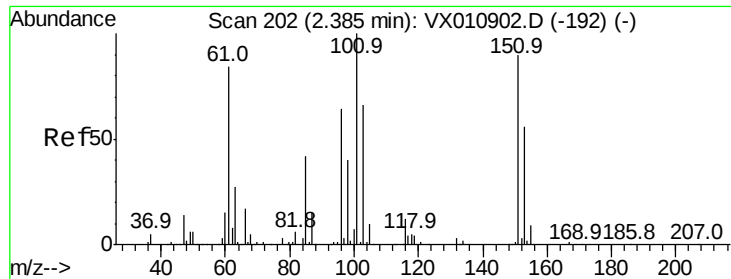


#8

Diethyl Ether
Concen: 5.158 ug/l
RT: 2.18 min Scan# 169
Delta R.T. -0.01 min
Lab File: VX010993.D
Acq: 19 Jul 2019 11:34

Tgt Ion: 74 Resp: 6553
Ion Ratio Lower Upper
74 100
45 91.1 45.5 136.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.946 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.01 min

Lab File: VX010993.D

Acq: 19 Jul 2019 11:34

Instrument :

MSVOA_X

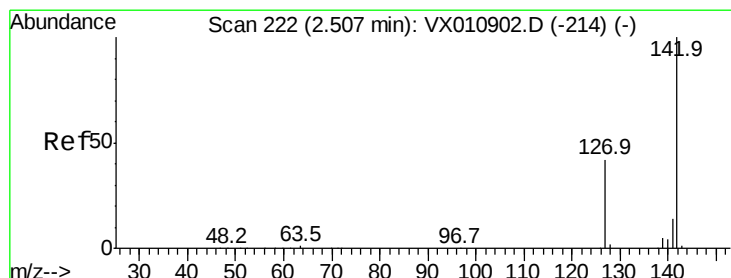
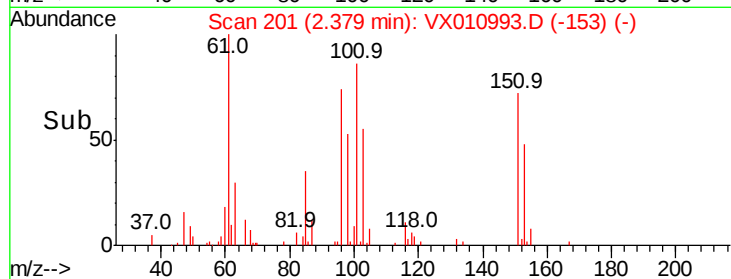
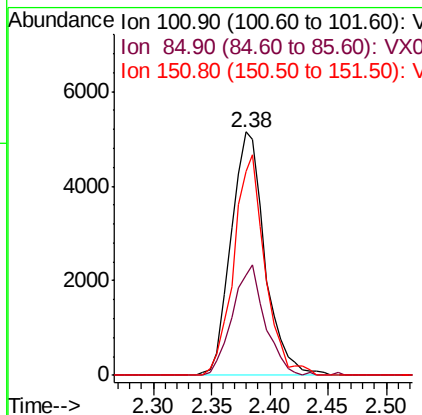
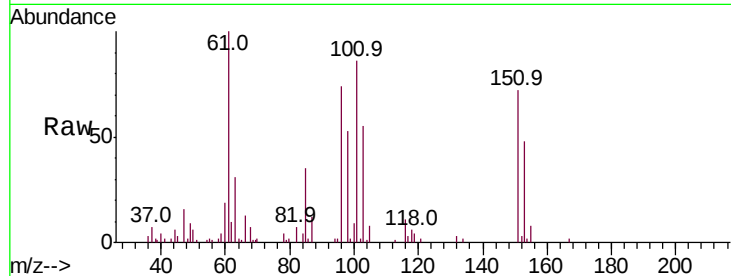
ClientSampleId :

LOQ-WATER-02-QT3-2019

Tot Ion:	101	Resp:	10413
Ion Ratio	Lower	Upper	
101	100		
85	43.6	34.6	52.0
151	83.7	69.6	104.4

Manual Integrations
APPROVED

MMDadoda
7/22/2019 5:22:39 PM



#10

Methyl Iodide

Concen: 2.716 ug/l

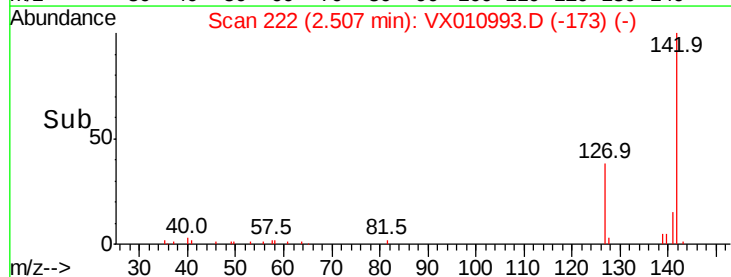
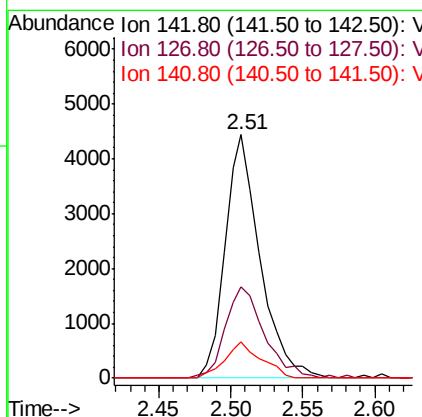
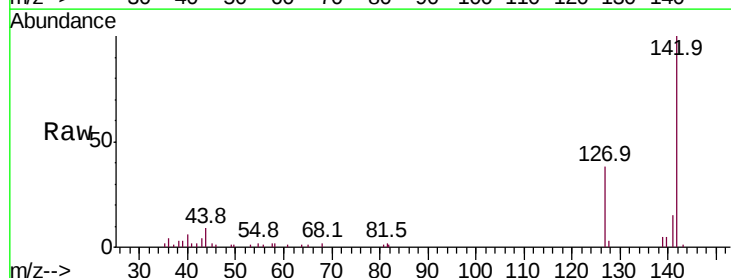
RT: 2.51 min Scan# 222

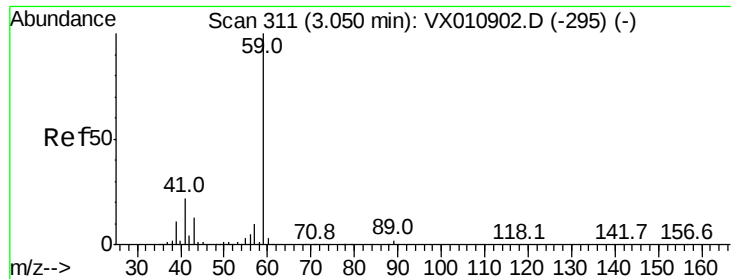
Delta R.T. 0.00 min

Lab File: VX010993.D

Acq: 19 Jul 2019 11:34

Tgt Ion:	142	Resp:	7505
Ion Ratio	Lower	Upper	
142	100		
127	41.7	34.2	51.4
141	15.3	11.7	17.5





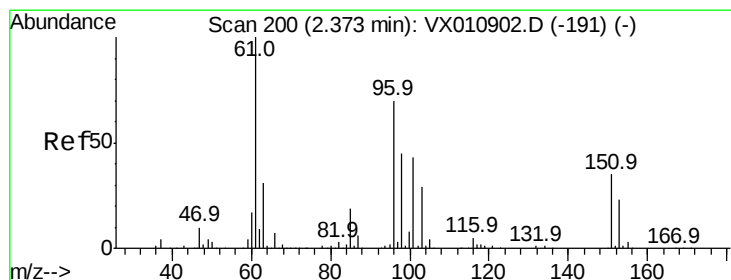
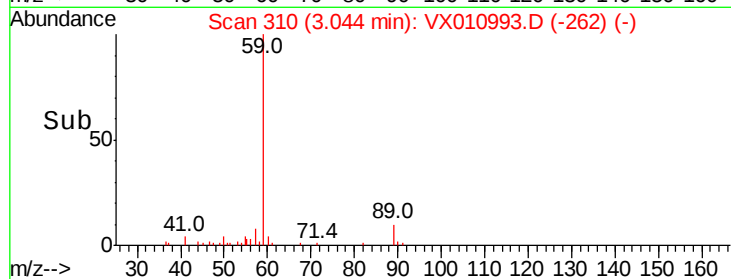
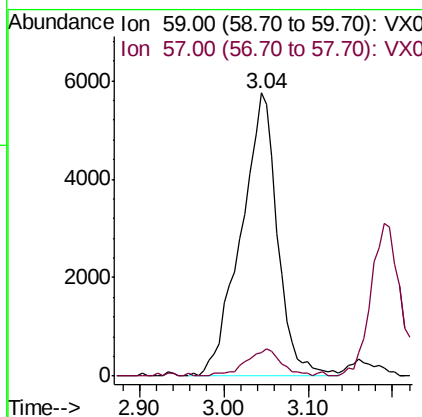
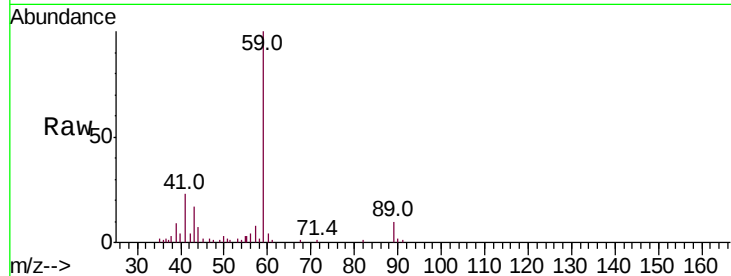
#11
Tert butyl alcohol
Concen: 29.387 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX010993.D
Acq: 19 Jul 2019 11:34

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT3-2019

Tot Ion: 59 Resp: 16909
Ion Ratio Lower Upper
59 100
57 9.3 7.9 11.9

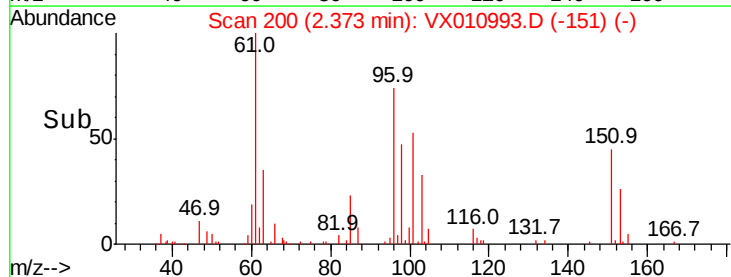
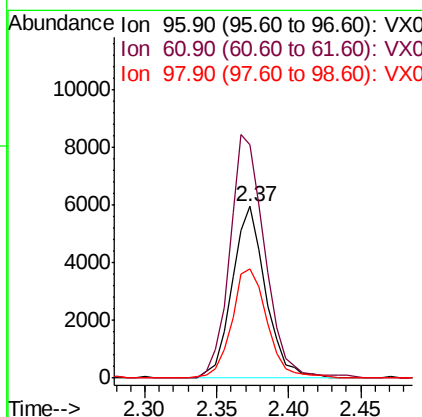
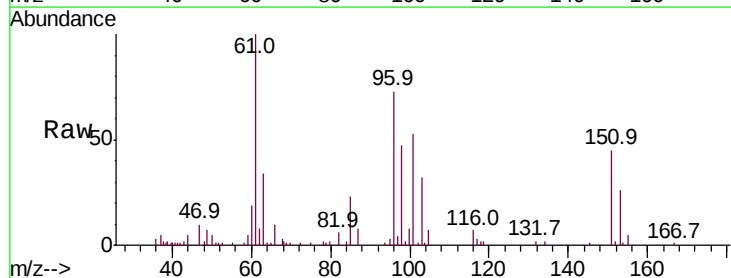
Manual Integrations
APPROVED

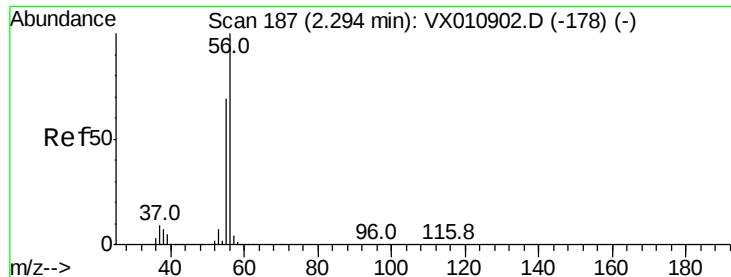
MMDadoda
7/22/2019 5:22:39 PM



#12
1,1-Dichloroethene
Concen: 4.669 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX010993.D
Acq: 19 Jul 2019 11:34

Tgt Ion: 96 Resp: 9659
Ion Ratio Lower Upper
96 100
61 136.2 115.0 172.4
98 63.6 52.2 78.2





#13

Acrolein

Concen: 23.361 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX010993.D

Acq: 19 Jul 2019 11:34

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT3-2019

Tot Ion: 56 Resp: 7766

Ion Ratio Lower Upper

56 100

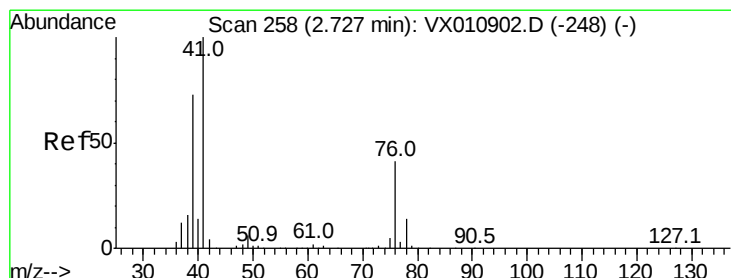
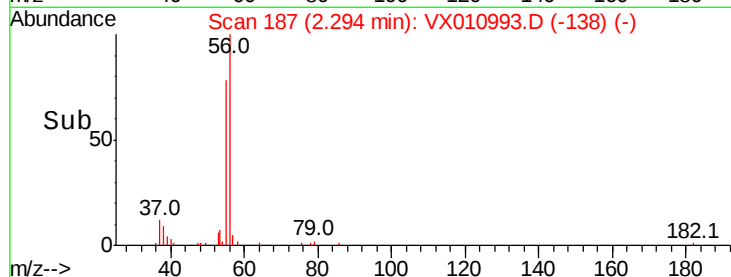
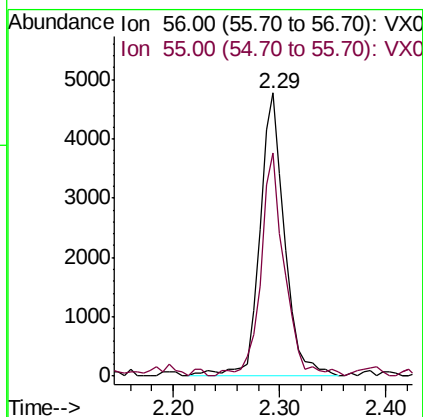
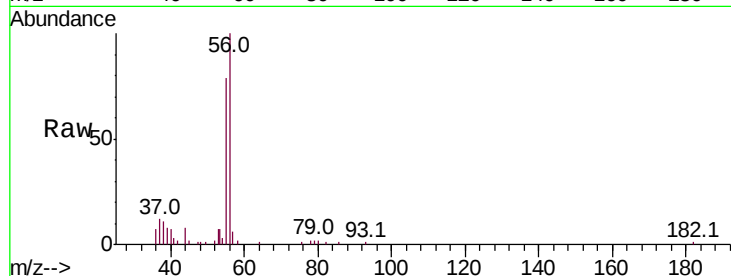
55 75.7 55.9 83.9

Manual Integrations

APPROVED

MMDadoda

7/22/2019 5:22:39 PM



#14

Allyl chloride

Concen: 4.598 ug/l

RT: 2.72 min Scan# 257

Delta R.T. -0.01 min

Lab File: VX010993.D

Acq: 19 Jul 2019 11:34

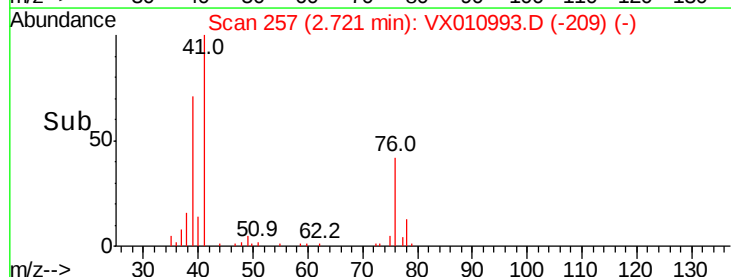
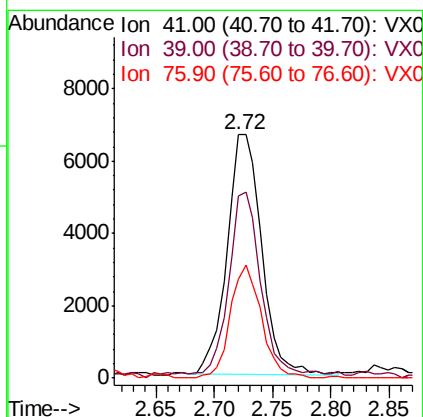
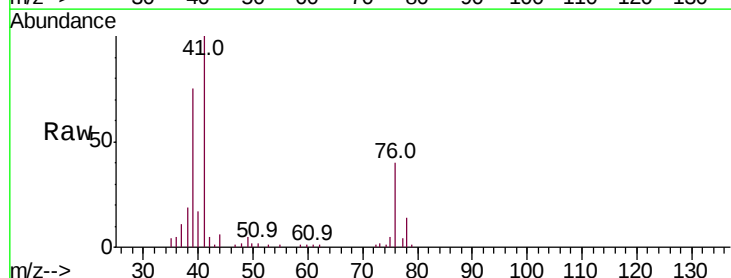
Tgt Ion: 41 Resp: 13816

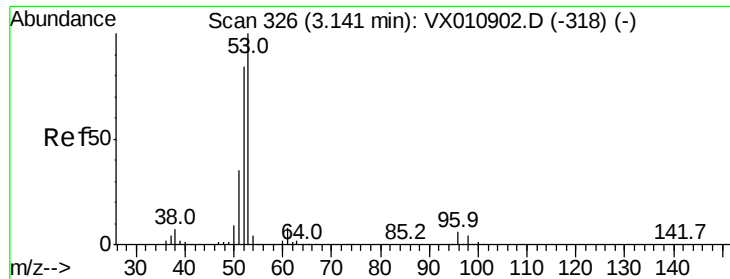
Ion Ratio Lower Upper

41 100

39 70.3 53.6 80.4

76 42.1 29.7 44.5





#15

Acrylonitrile

Concen: 23.905 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX010993.D

Acq: 19 Jul 2019 11:34

Instrument :

MSVOA_X

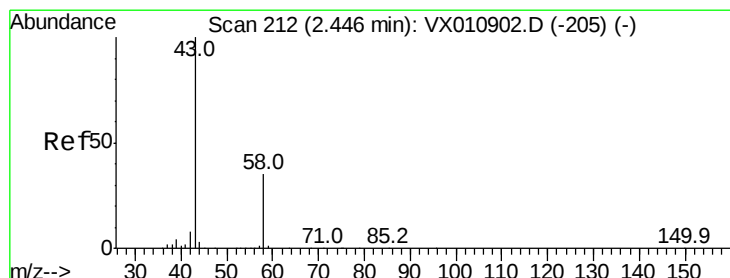
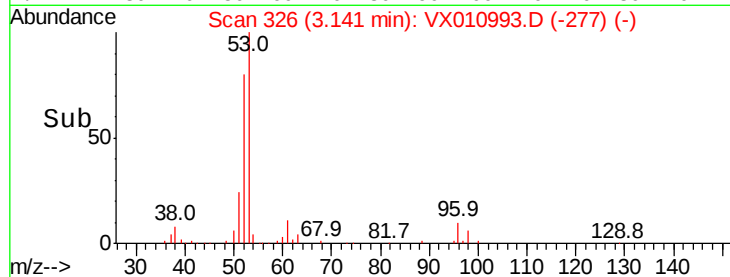
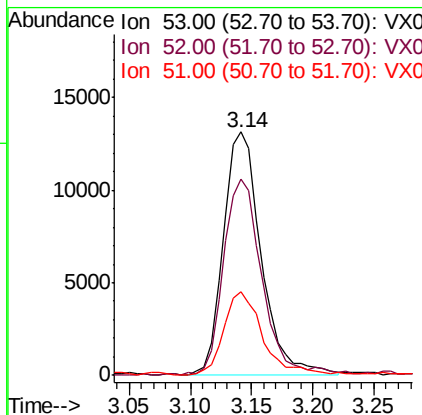
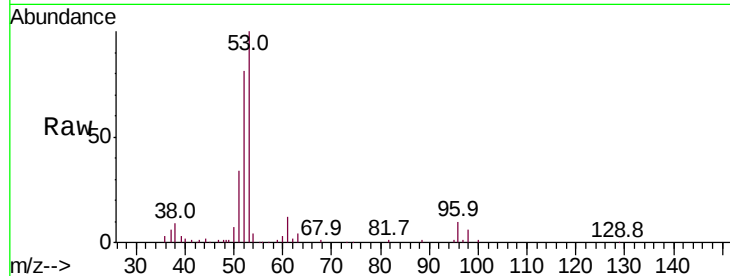
ClientSampleId :

LOQ-WATER-02-QT3-2019

Tot Ion:	53	Resp:	27794
Ion Ratio	Lower	Upper	
53	100		
52	83.9	66.5	99.7
51	36.2	28.2	42.4

Manual Integrations
APPROVED

MMDadoda
7/22/2019 5:22:39 PM



#16

Acetone

Concen: 24.982 ug/l

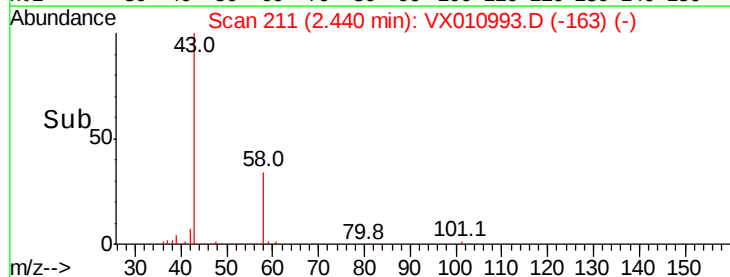
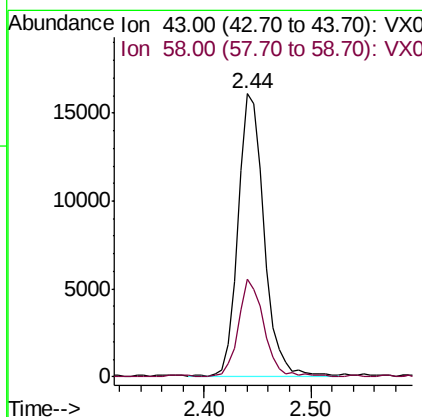
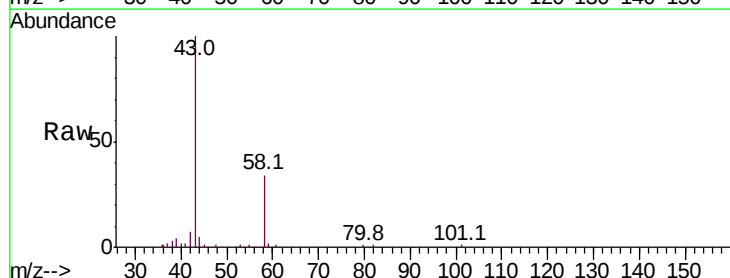
RT: 2.44 min Scan# 211

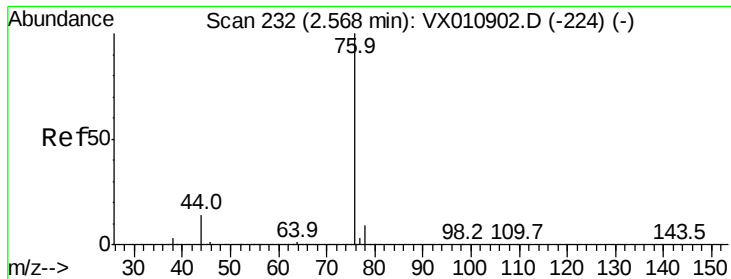
Delta R.T. -0.01 min

Lab File: VX010993.D

Acq: 19 Jul 2019 11:34

Tgt Ion:	43	Resp:	27876
Ion Ratio	Lower	Upper	
43	100		
58	34.5	27.7	41.5





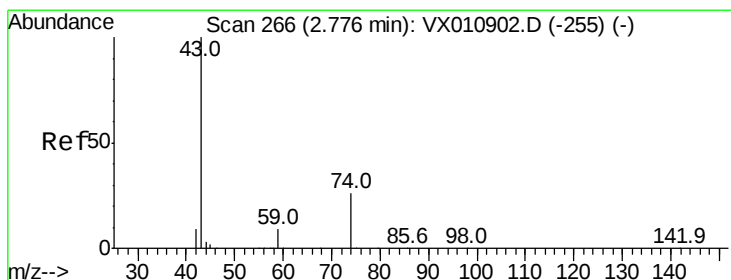
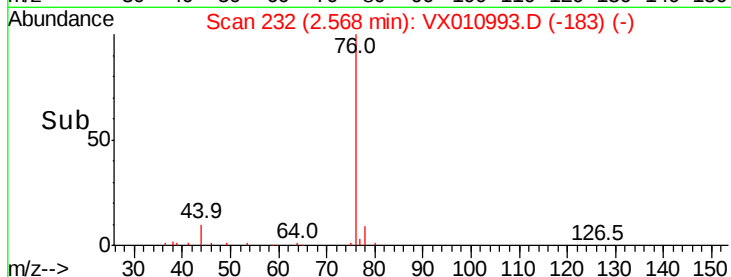
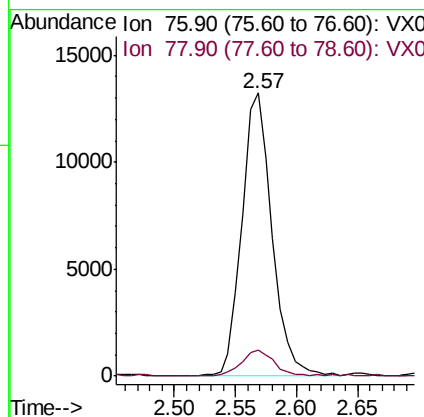
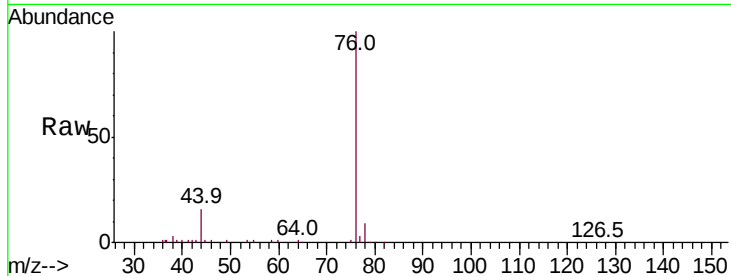
#17
Carbon Disulfide
Concen: 4.264 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX010993.D
Acq: 19 Jul 2019 11:34

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT3-2019

Tot Ion: 76 Resp: 22623
Ion Ratio Lower Upper
76 100
78 9.4 7.4 11.0

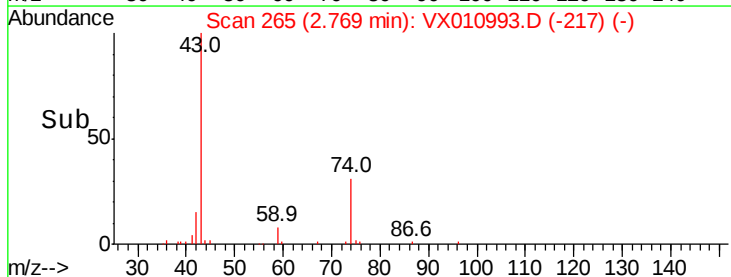
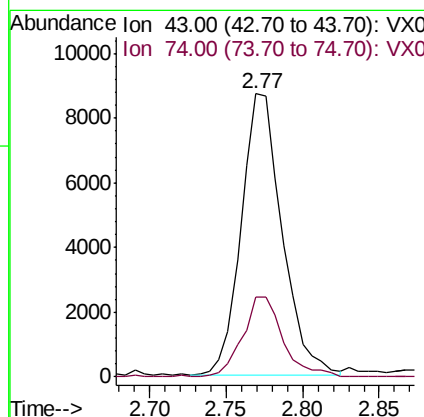
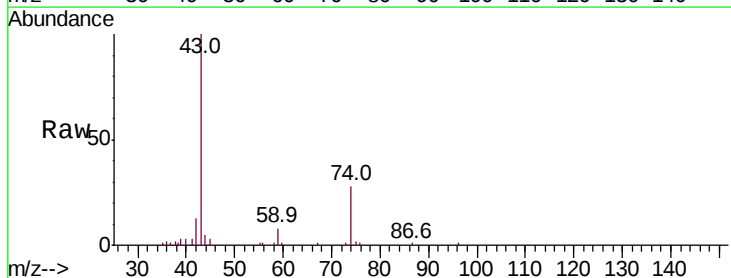
Manual Integrations
APPROVED

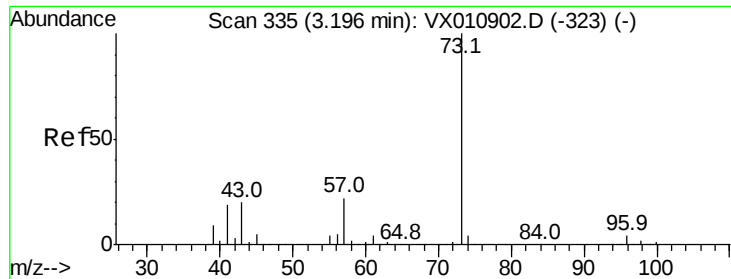
MMDadoda
7/22/2019 5:22:39 PM



#18
Methyl Acetate
Concen: 6.347 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX010993.D
Acq: 19 Jul 2019 11:34

Tgt Ion: 43 Resp: 16126
Ion Ratio Lower Upper
43 100
74 28.1 21.5 32.3





#19

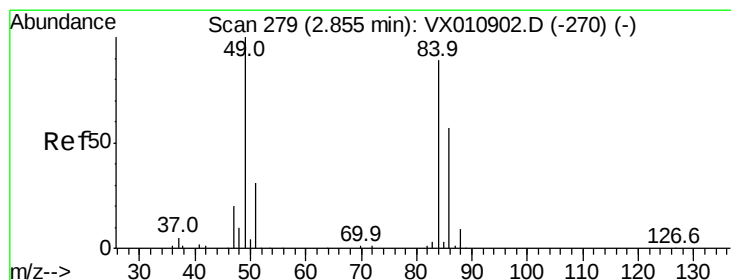
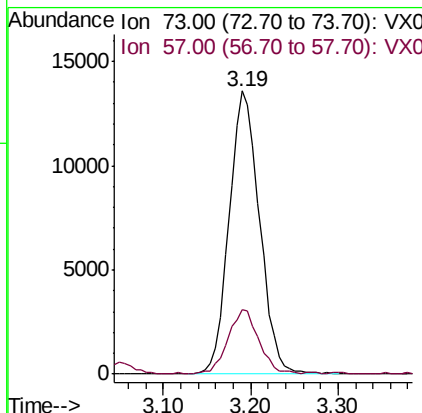
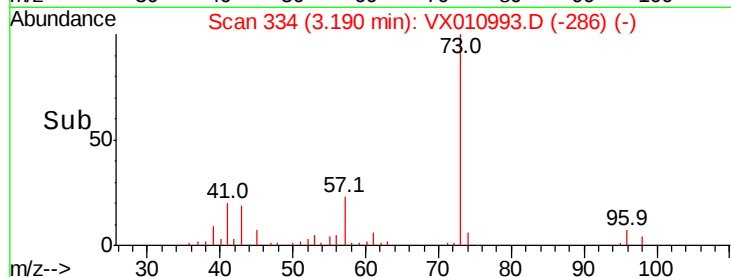
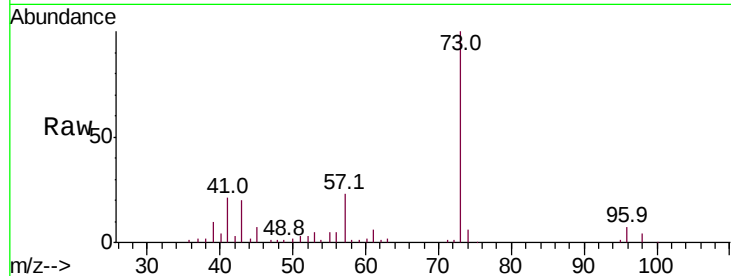
Methyl tert-butyl Ether
 Concen: 4.927 ug/l
 RT: 3.19 min Scan# 334
 Delta R.T. -0.01 min
 Lab File: VX010993.D
 Acq: 19 Jul 2019 11:34

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT3-2019

Tot Ion: 73 Resp: 32811
 Ion Ratio Lower Upper
 73 100
 57 22.8 17.3 25.9

Manual Integrations
 APPROVED

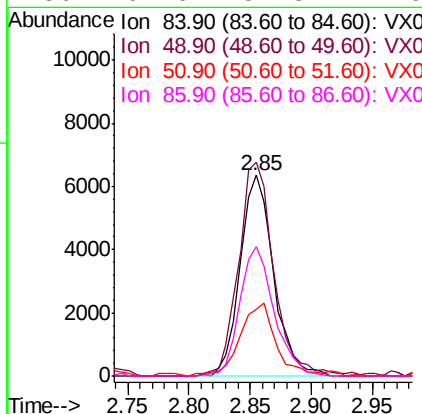
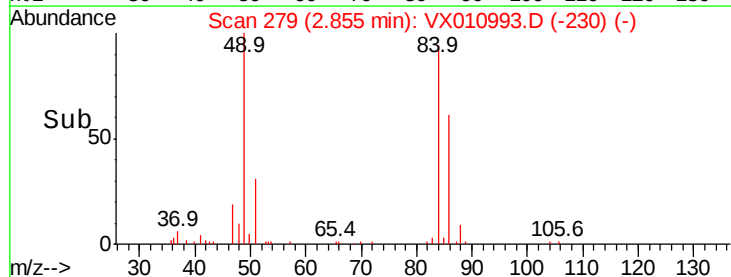
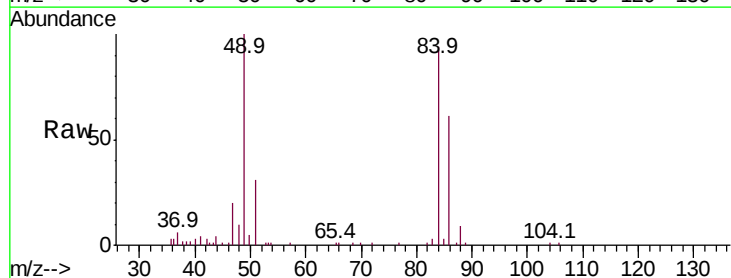
MMDadoda
 7/22/2019 5:22:39 PM

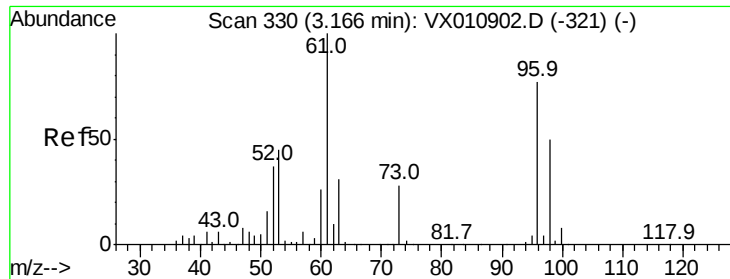


#20

Methylene Chloride
 Concen: 5.103 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. 0.00 min
 Lab File: VX010993.D
 Acq: 19 Jul 2019 11:34

Tgt Ion: 84 Resp: 12067
 Ion Ratio Lower Upper
 84 100
 49 106.5 89.9 134.9
 51 31.5 27.8 41.6
 86 64.6 51.8 77.6





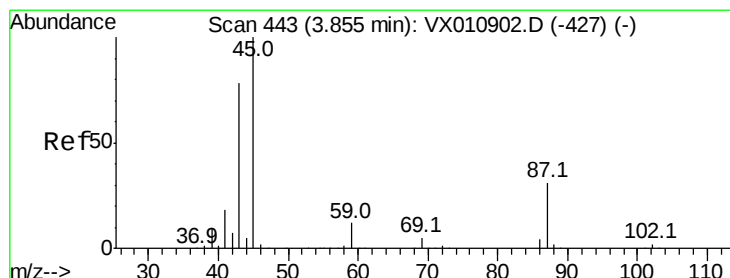
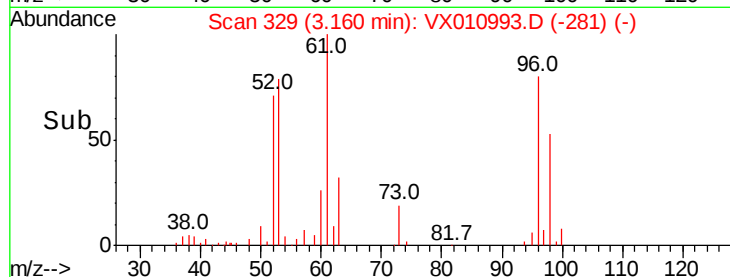
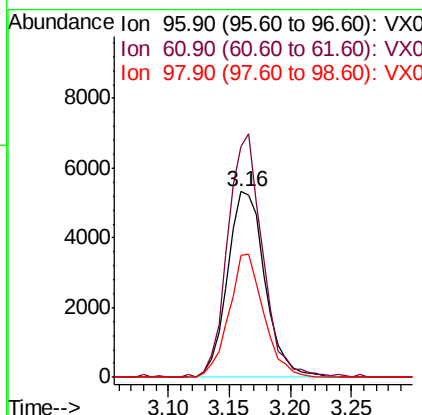
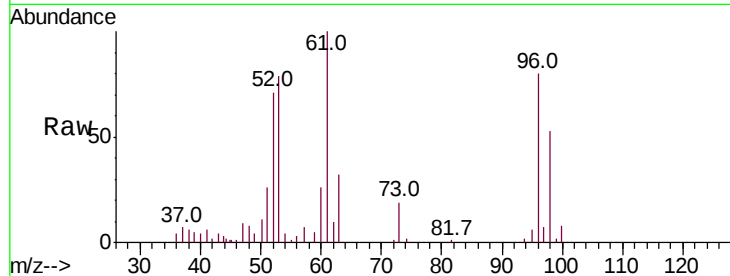
#21
trans-1,2-Dichloroethene
Concen: 5.147 ug/l
RT: 3.16 min Scan# 329
Delta R.T. -0.01 min
Lab File: VX010993.D
Acq: 19 Jul 2019 11:34

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT3-2019

Tot Ion	Ratio	Lower	Upper
96	100		
61	123.4	104.2	156.2
98	65.6	52.2	78.4

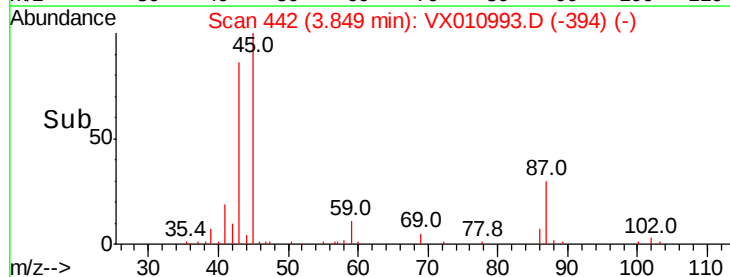
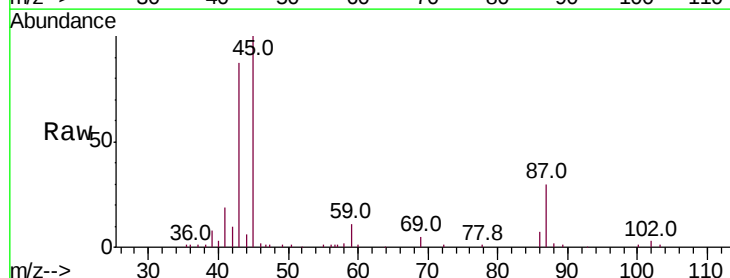
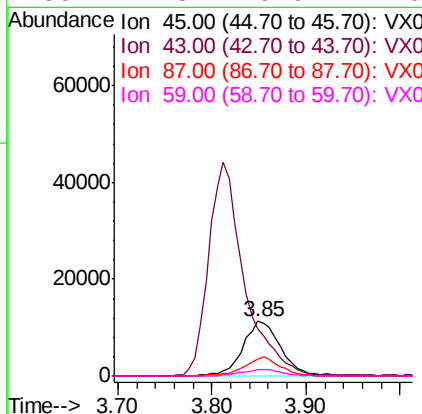
Manual Integrations
APPROVED

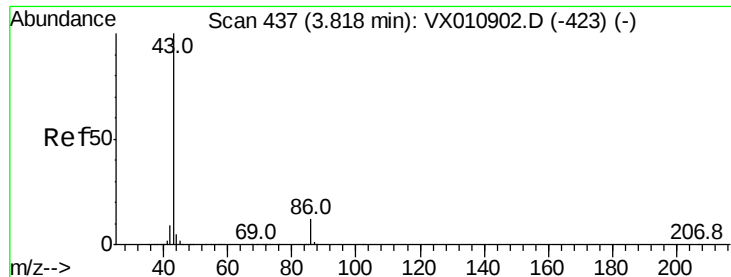
MMDadoda
7/22/2019 5:22:39 PM



#22
Diisopropyl ether
Concen: 4.969 ug/l
RT: 3.85 min Scan# 442
Delta R.T. -0.01 min
Lab File: VX010993.D
Acq: 19 Jul 2019 11:34

Tgt Ion	Ratio	Lower	Upper
45	100		
43	84.1	62.3	93.5
87	30.1	25.0	37.4
59	11.3	9.9	14.9





#23

Vinyl Acetate

Concen: 21.633 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.01 min

Lab File: VX010993.D

Acq: 19 Jul 2019 11:34

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT3-2019

Tot Ion: 43 Resp: 116156

Ion Ratio Lower Upper

43 100

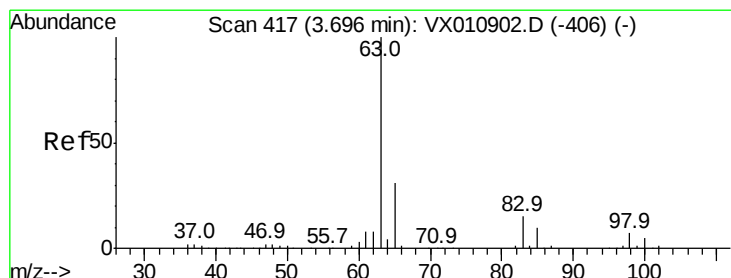
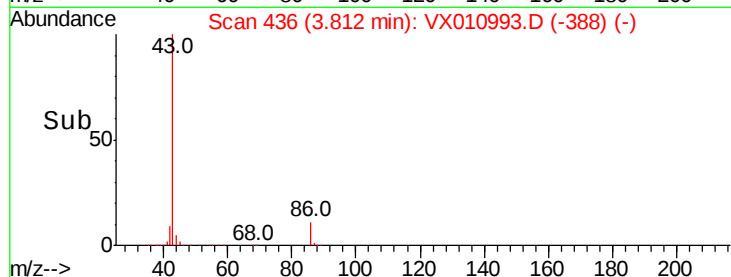
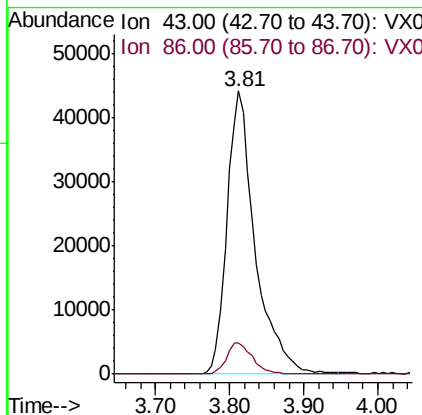
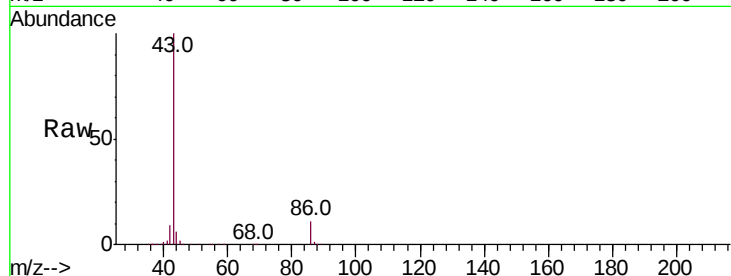
86 11.1 9.4 14.0

Manual Integrations

APPROVED

MMDadoda

7/22/2019 5:22:39 PM



#24

1,1-Dichloroethane

Concen: 4.737 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX010993.D

Acq: 19 Jul 2019 11:34

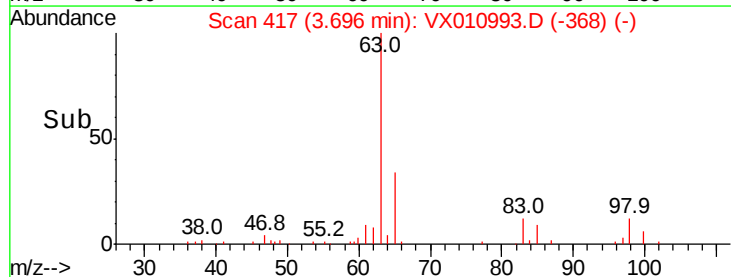
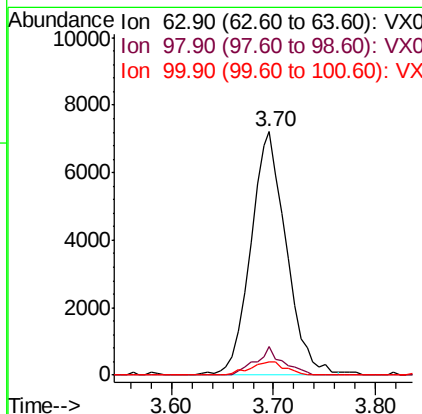
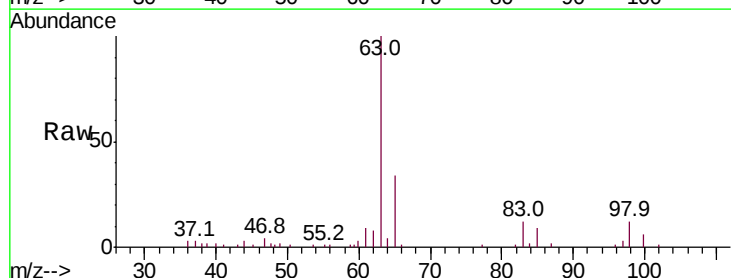
Tgt Ion: 63 Resp: 17434

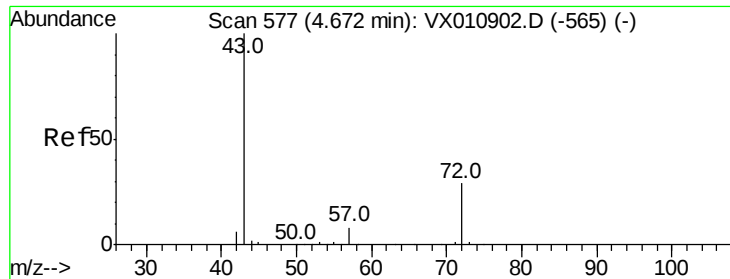
Ion Ratio Lower Upper

63 100

98 11.8 3.6 10.9#

100 5.5 2.4 7.2





#25

2-Butanone

Concen: 24.032 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX010993.D

Acq: 19 Jul 2019 11:34

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT3-2019

Tot Ion: 43 Resp: 38495

Ion Ratio Lower Upper

43 100

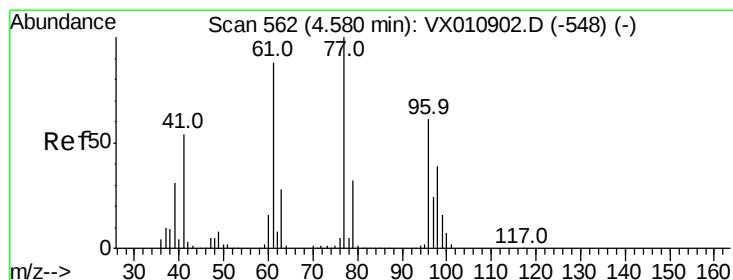
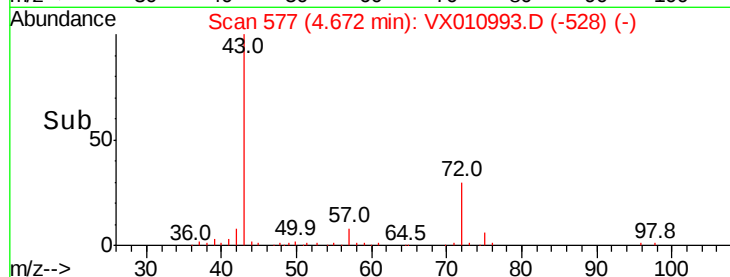
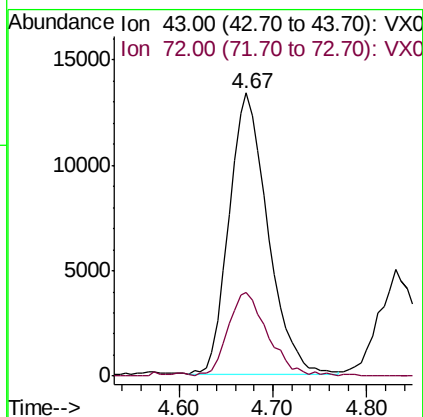
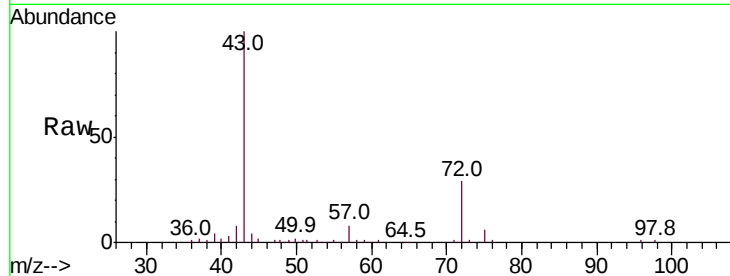
72 29.5 23.0 34.6

Manual Integrations

APPROVED

MMDadoda

7/22/2019 5:22:39 PM



#26

2,2-Dichloropropane

Concen: 4.692 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX010993.D

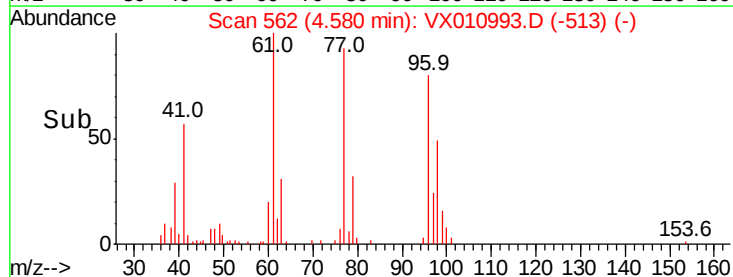
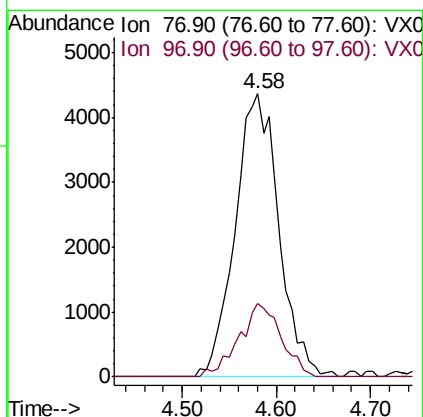
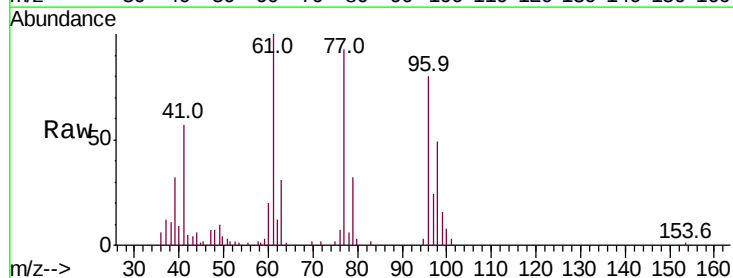
Acq: 19 Jul 2019 11:34

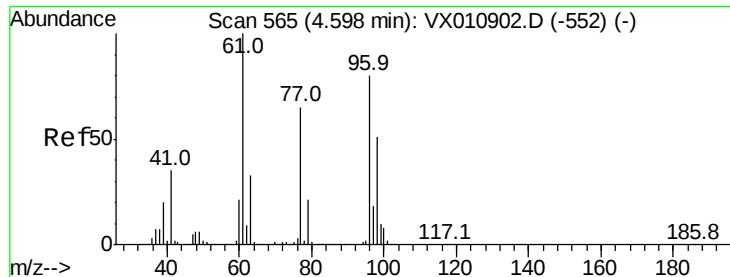
Tgt Ion: 77 Resp: 14178

Ion Ratio Lower Upper

77 100

97 24.9 12.6 37.6





#27

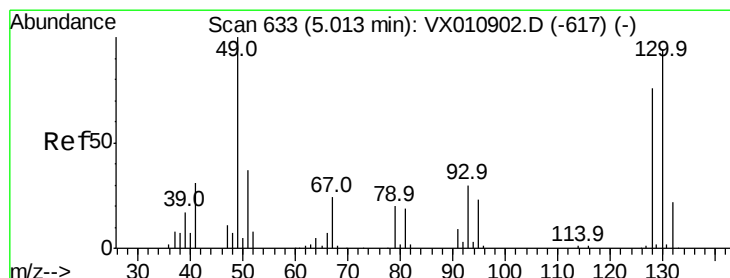
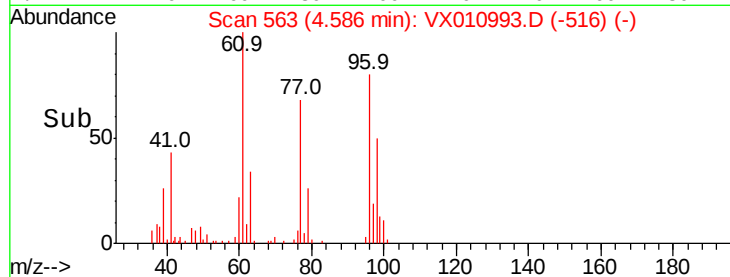
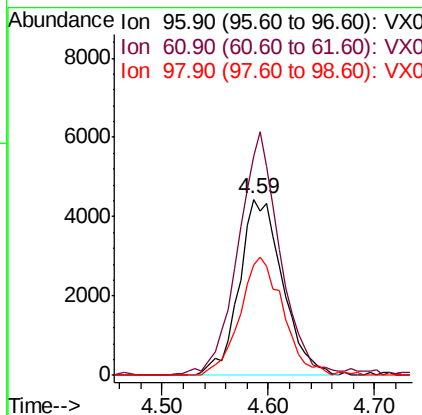
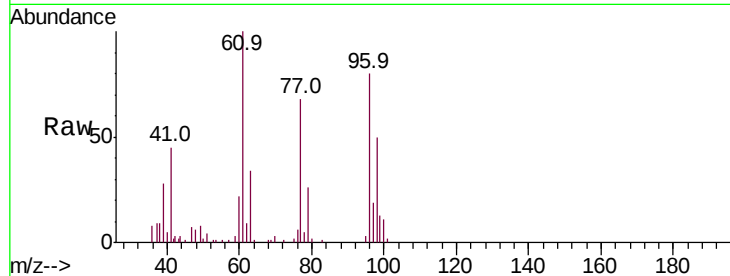
cis-1,2-Dichloroethene
Concen: 5.006 ug/l
RT: 4.59 min Scan# 563
Delta R.T. -0.01 min
Lab File: VX010993.D
Acq: 19 Jul 2019 11:34

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT3-2019

Tot Ion	Ratio	Lower	Upper
96	100		
61	133.0	0.0	269.0
98	66.4	0.0	131.4

Manual Integrations
APPROVED

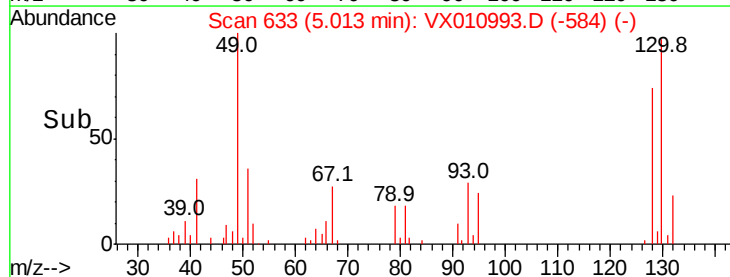
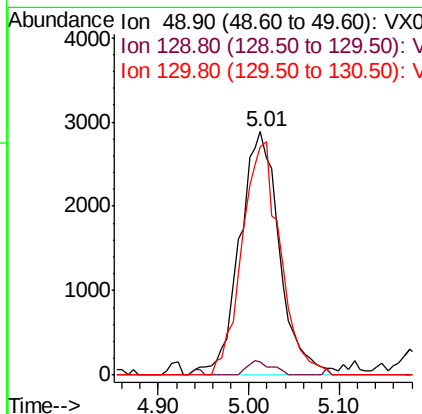
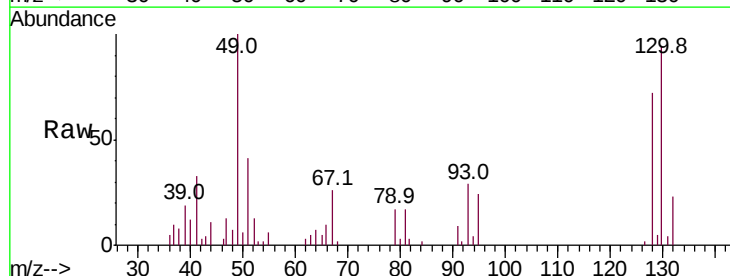
MMDadoda
7/22/2019 5:22:39 PM

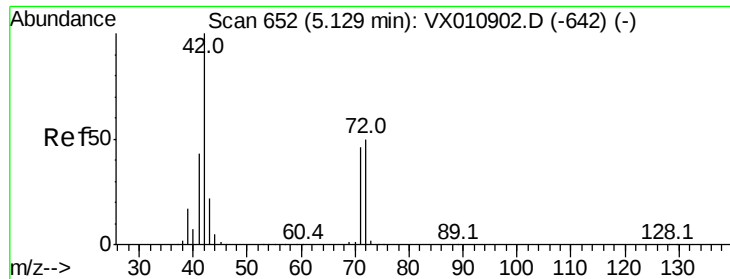


#28

Bromochloromethane
Concen: 5.086 ug/l
RT: 5.01 min Scan# 633
Delta R.T. 0.00 min
Lab File: VX010993.D
Acq: 19 Jul 2019 11:34

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.6	0.0	5.2
130	91.1	76.9	115.3





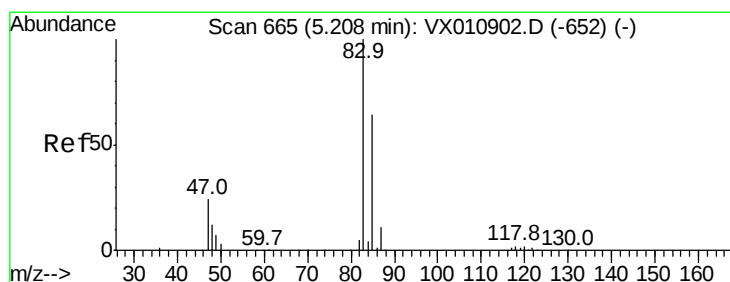
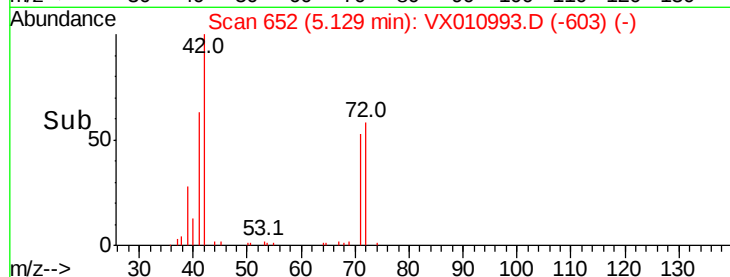
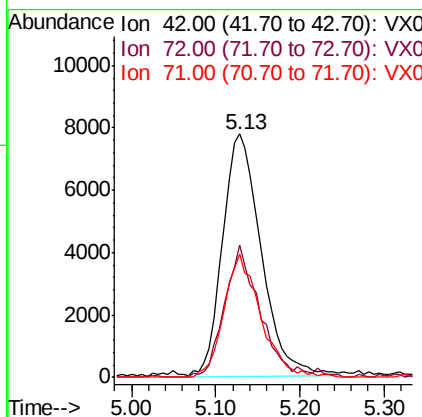
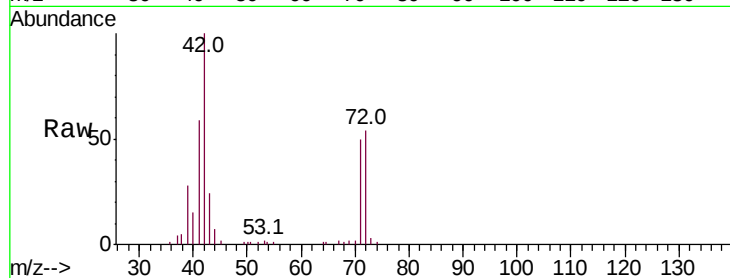
#29
Tetrahydrofuran
Concen: 23.915 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.00 min
Lab File: VX010993.D
Acq: 19 Jul 2019 11:34

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT3-2019

Tot Ion	Ratio	Lower	Upper
42	100		
72	50.0	39.8	59.8
71	48.5	37.0	55.4

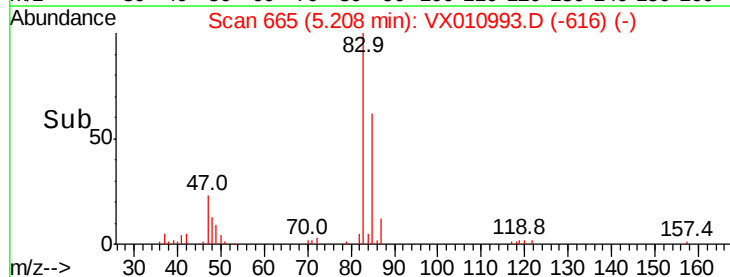
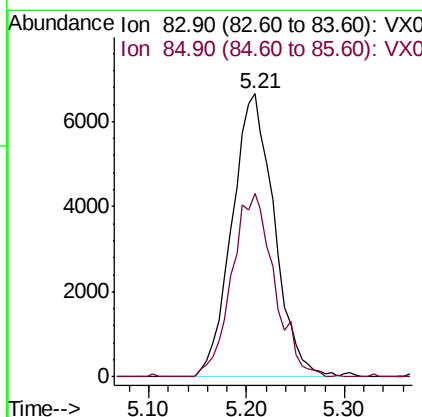
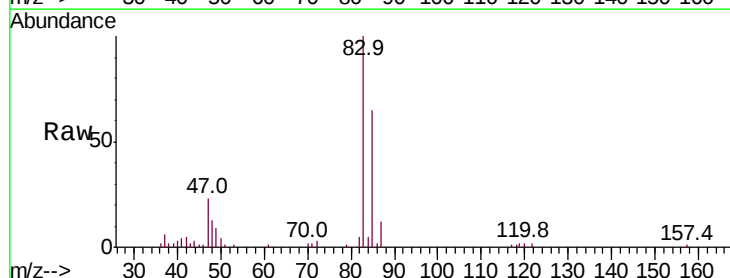
Manual Integrations
APPROVED

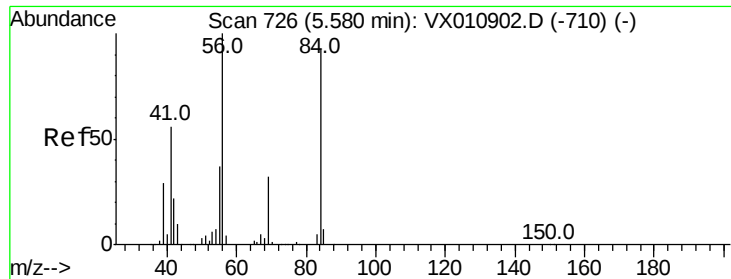
MMDadoda
7/22/2019 5:22:39 PM



#30
Chloroform
Concen: 5.000 ug/l
RT: 5.21 min Scan# 665
Delta R.T. 0.00 min
Lab File: VX010993.D
Acq: 19 Jul 2019 11:34

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.4	77.0





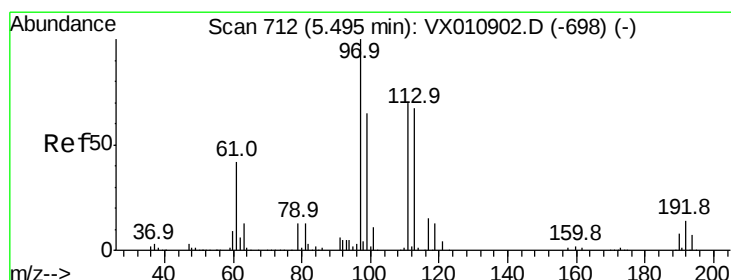
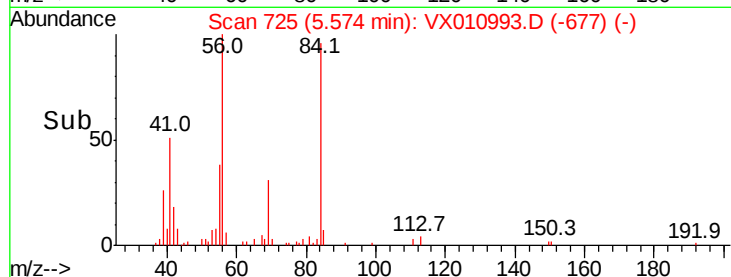
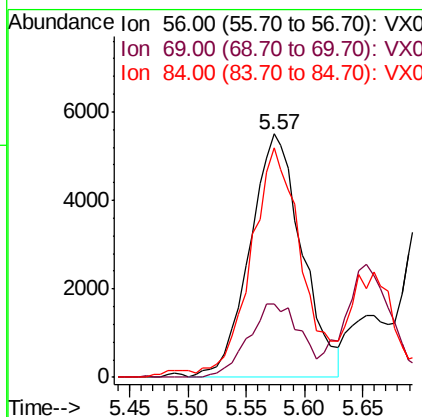
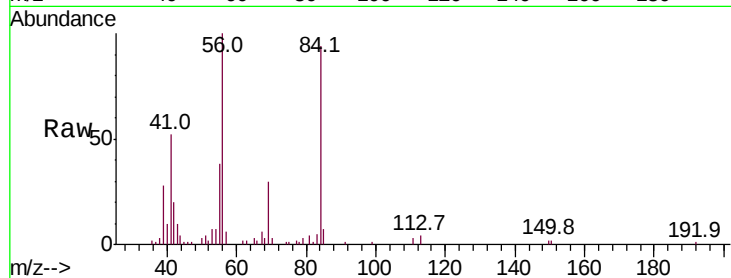
#31
Cyclohexane
Concen: 5.107 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.01 min
Lab File: VX010993.D
Acq: 19 Jul 2019 11:34

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT3-2019

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.2	25.8	38.8
84	91.2	73.8	110.6

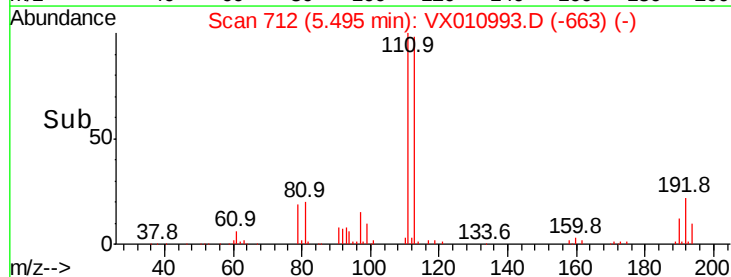
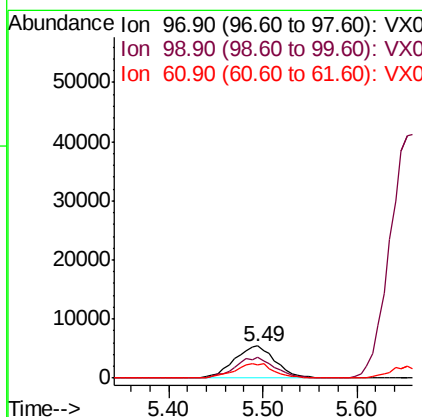
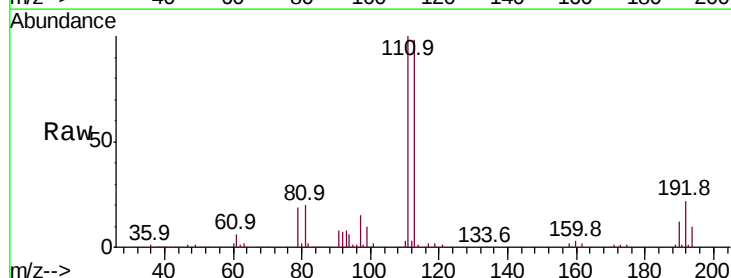
Manual Integrations
APPROVED

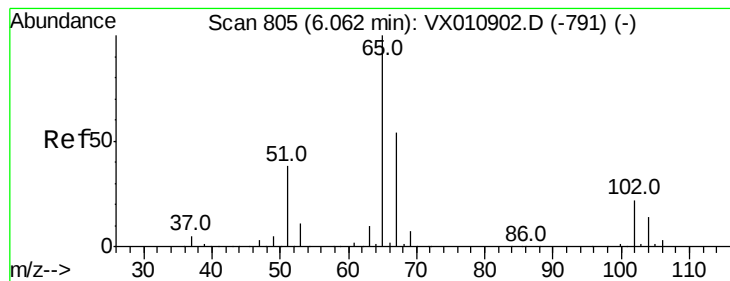
MMDadoda
7/22/2019 5:22:39 PM



#32
1,1,1-Trichloroethane
Concen: 4.811 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX010993.D
Acq: 19 Jul 2019 11:34

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.4	51.4	77.0
61	43.2	33.0	49.6





#33

1,2-Dichloroethane-d4

Concen: 45.919 ug/l

RT: 6.06 min Scan# 804

Delta R.T. -0.01 min

Lab File: VX010993.D

Acq: 19 Jul 2019 11:34

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT3-2019

Tot Ion: 65 Resp: 113448

Ion Ratio Lower Upper

65 100

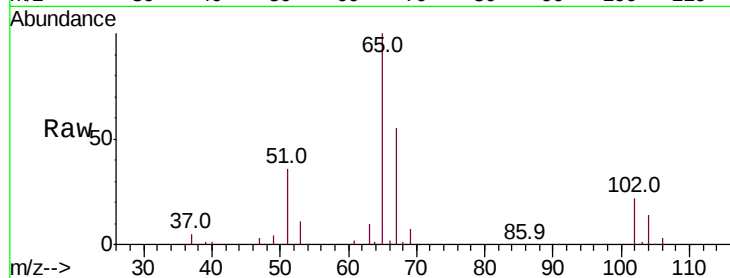
67 53.4 0.0 107.8

Manual Integrations

APPROVED

MMDadoda

7/22/2019 5:22:39 PM



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

40000

30000

20000

10000

0

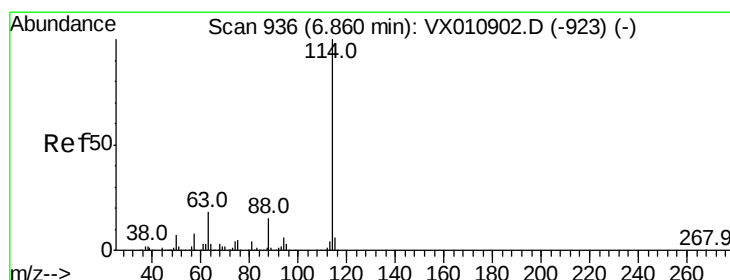
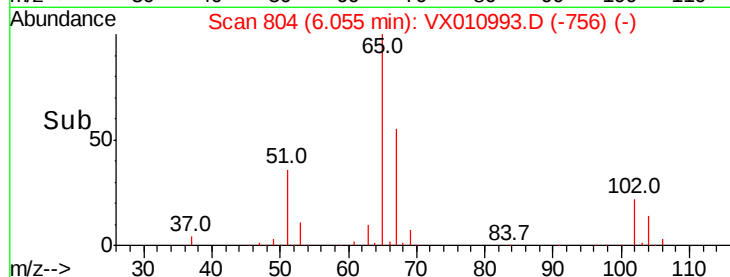
Time-->

5.90

6.00

6.10

6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. -0.01 min

Lab File: VX010993.D

Acq: 19 Jul 2019 11:34

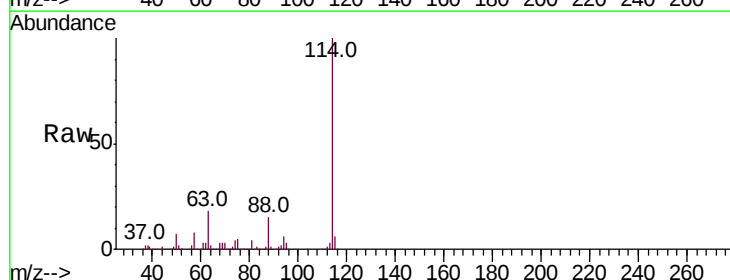
Tgt Ion: 114 Resp: 342305

Ion Ratio Lower Upper

114 100

63 17.7 0.0 35.6

88 14.9 0.0 29.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

6.85

200000

150000

100000

50000

0

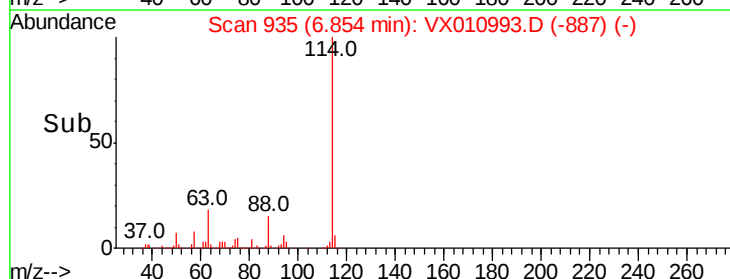
Time-->

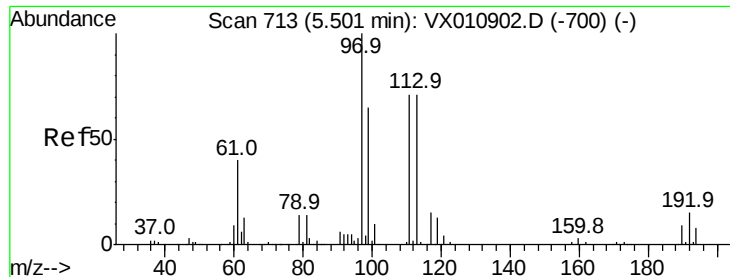
6.70

6.80

6.90

7.00





#35

Dibromofluoromethane

Concen: 45.921 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX010993.D

Acq: 19 Jul 2019 11:34

Instrument :

MSVOA_X

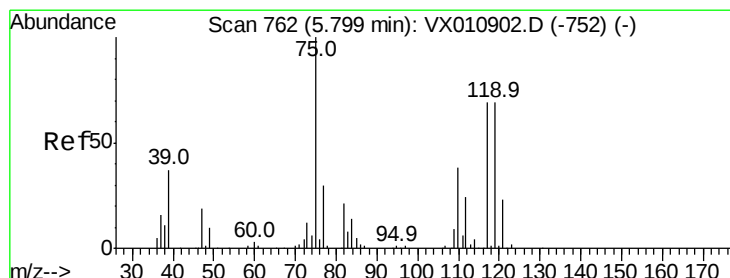
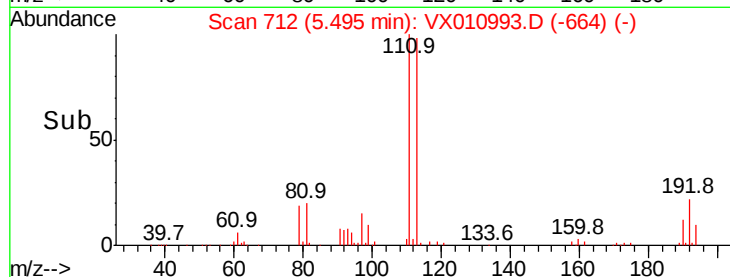
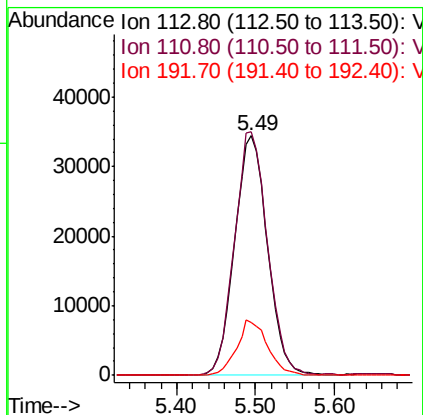
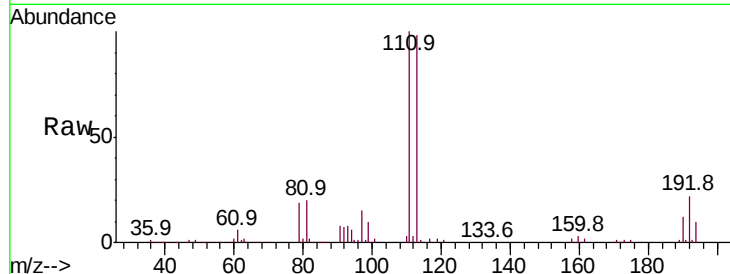
ClientSampleId :

LOQ-WATER-02-QT3-2019

Tot Ion:	113	Resp:	99771
Ion Ratio	Lower	Upper	
113	100		
111	102.0	82.3	123.5
192	21.6	17.4	26.2

Manual Integrations
APPROVED

MMDadoda
7/22/2019 5:22:39 PM



#36

1,1-Dichloropropene

Concen: 5.098 ug/l

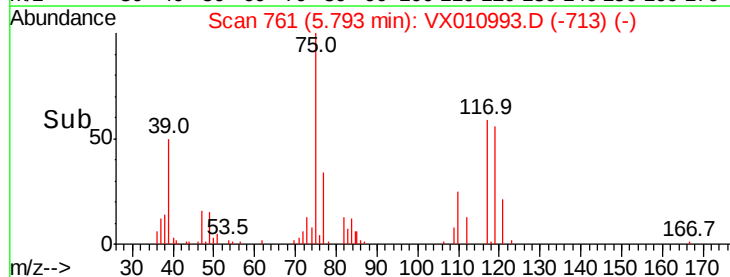
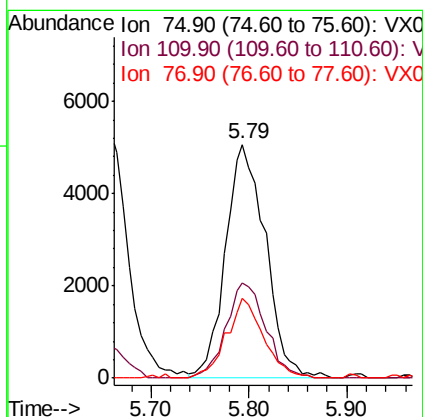
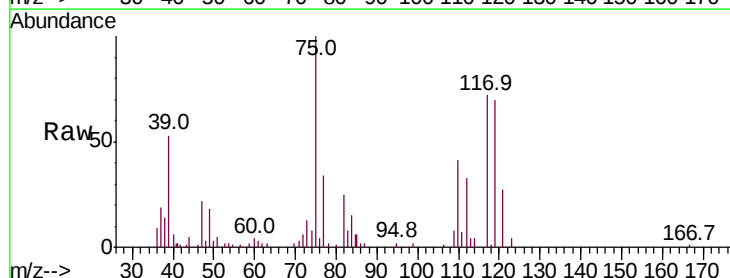
RT: 5.79 min Scan# 761

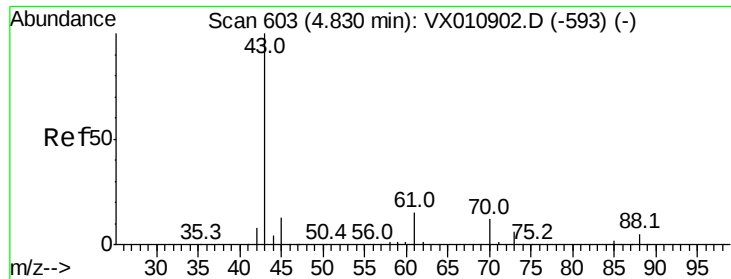
Delta R.T. -0.01 min

Lab File: VX010993.D

Acq: 19 Jul 2019 11:34

Tgt Ion:	75	Resp:	14335
Ion Ratio	Lower	Upper	
75	100		
110	40.6	19.9	59.7
77	32.1	25.0	37.4





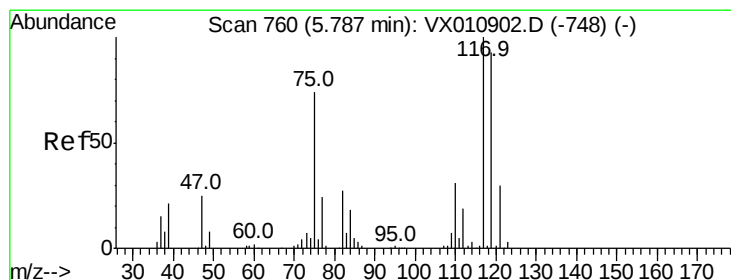
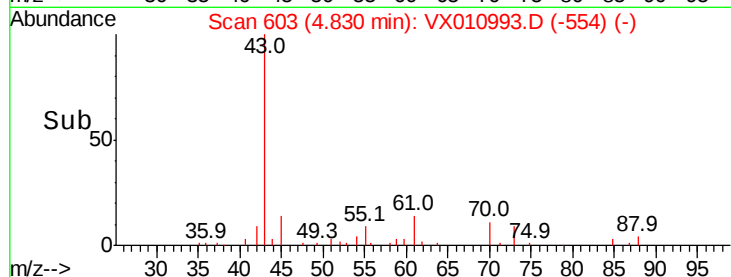
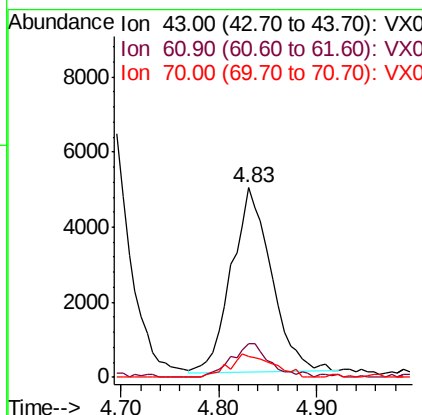
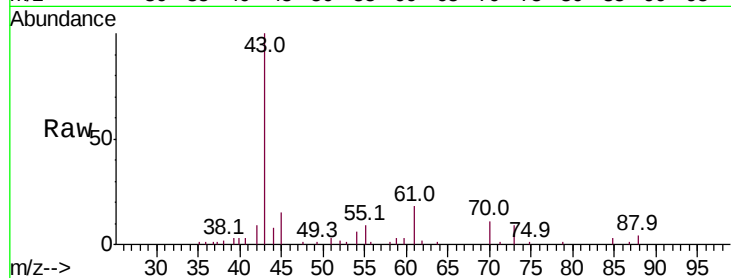
#37
Ethyl Acetate
Concen: 4.811 ug/l
RT: 4.83 min Scan# 603
Delta R.T. 0.00 min
Lab File: VX010993.D
Acq: 19 Jul 2019 11:34

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT3-2019

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.9	11.6	17.4#
70	13.6	9.1	13.7

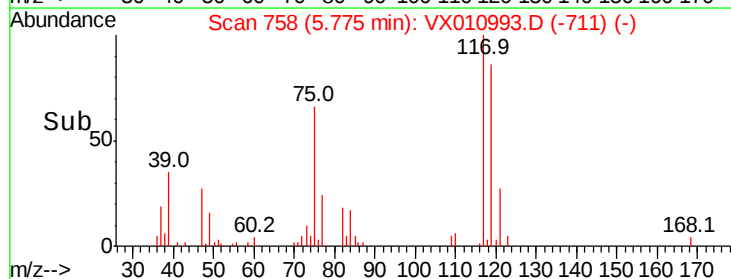
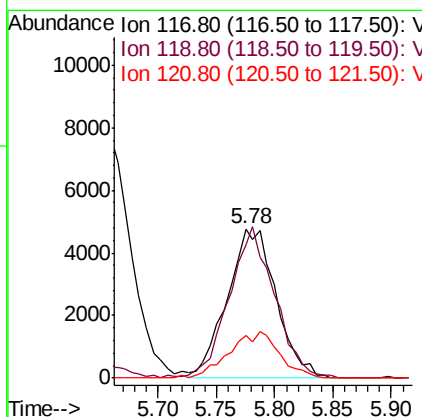
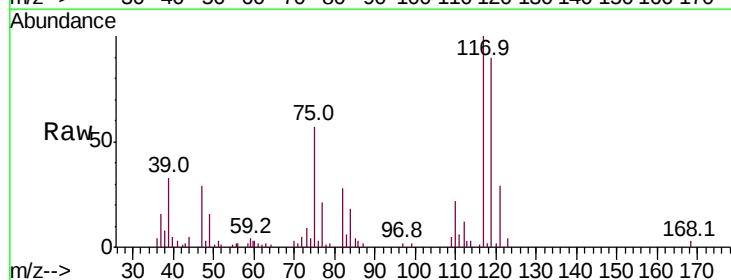
Manual Integrations
APPROVED

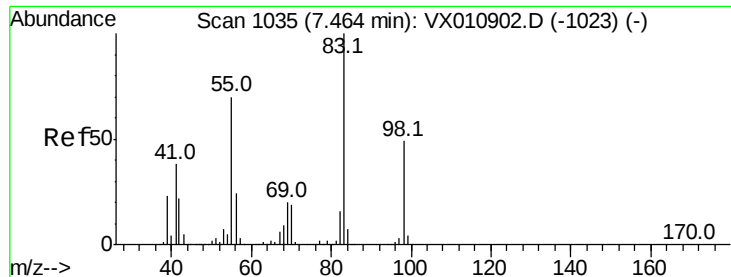
MMDadoda
7/22/2019 5:22:39 PM



#38
Carbon Tetrachloride
Concen: 4.758 ug/l
RT: 5.78 min Scan# 758
Delta R.T. -0.01 min
Lab File: VX010993.D
Acq: 19 Jul 2019 11:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	89.5	74.2	111.2
121	28.6	24.2	36.2





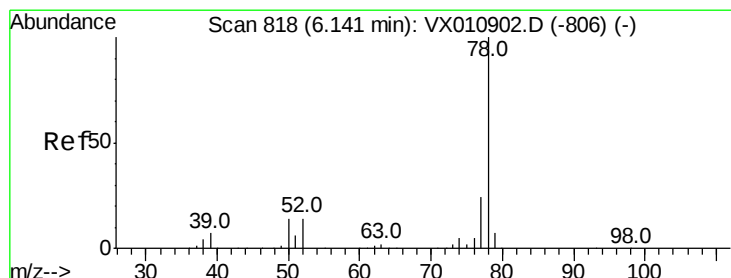
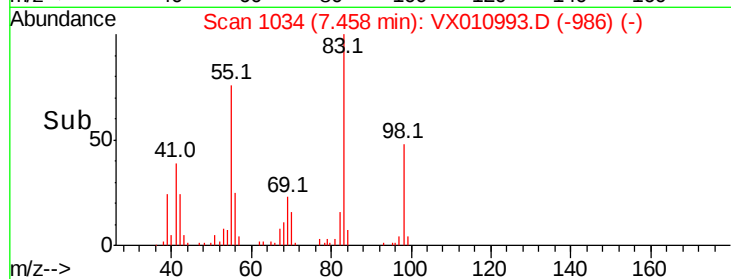
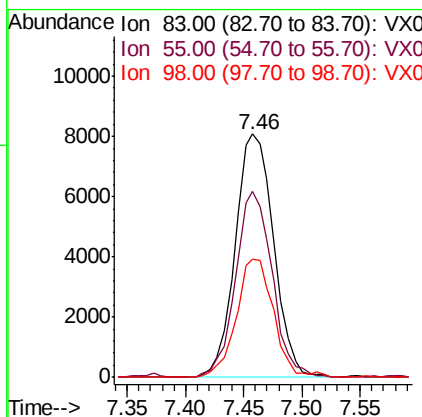
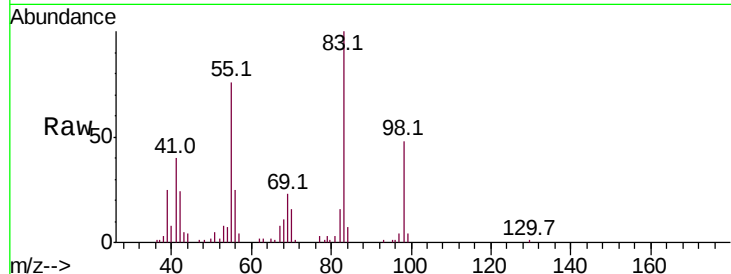
#39
Methvlcvclohexane
Concen: 5.081 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX010993.D
Acq: 19 Jul 2019 11:34

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT3-2019

Tot Ion	83	Resp	18527
Ion Ratio	100	Lower	Upper
83	100		
55	76.3	56.2	84.4
98	48.3	39.0	58.4

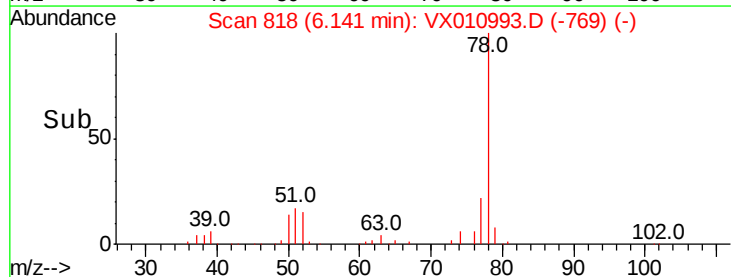
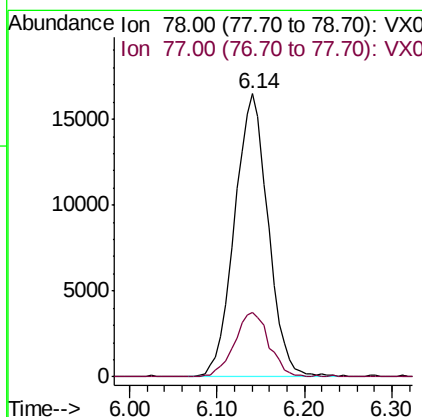
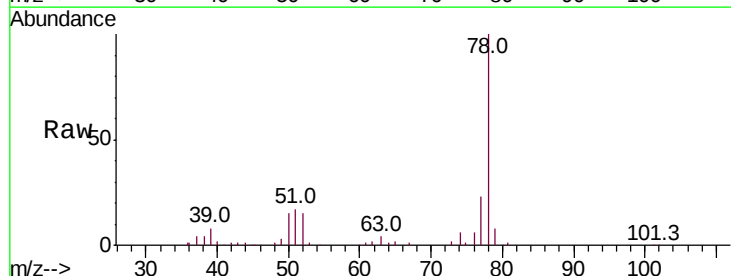
Manual Integrations
APPROVED

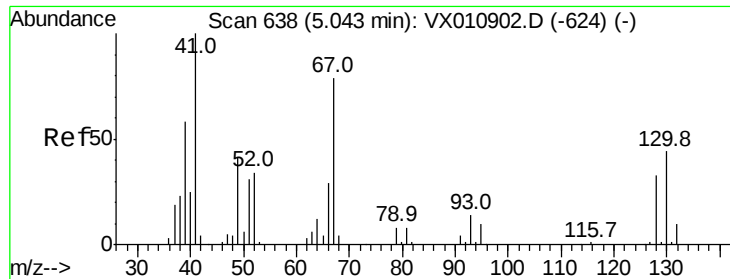
MMDadoda
7/22/2019 5:22:39 PM



#40
Benzene
Concen: 5.098 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX010993.D
Acq: 19 Jul 2019 11:34

Tgt Ion	78	Resp	43910
Ion Ratio	100	Lower	Upper
78	100		
77	22.8	19.0	28.6





#41

Methacrylonitrile

Concen: 4.972 ug/l

RT: 5.04 min Scan# 638

Delta R.T. 0.00 min

Lab File: VX010993.D

Acq: 19 Jul 2019 11:34

Instrument :

MSVOA_X

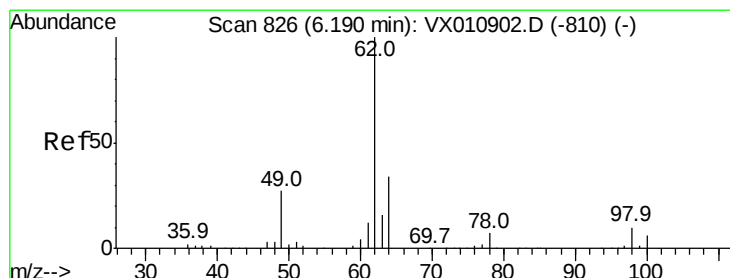
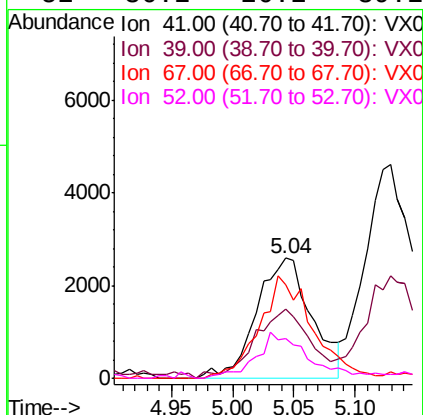
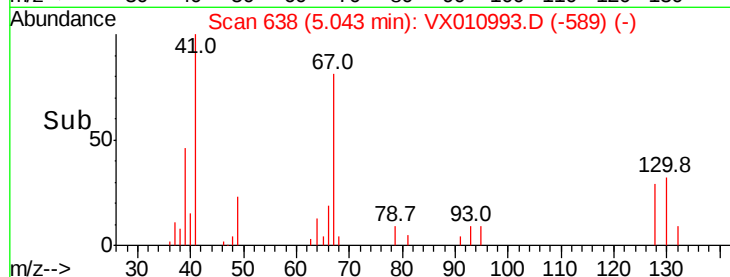
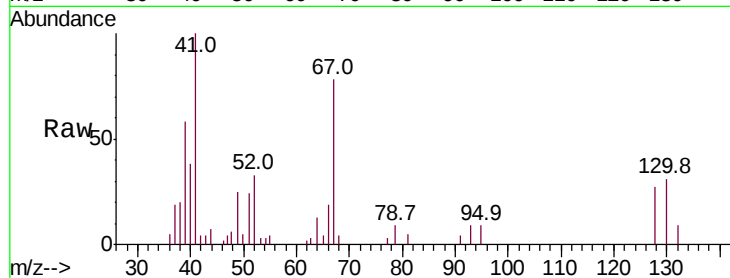
ClientSampleId :

LOQ-WATER-02-QT3-2019

Tot Ion:	41	Resp:	8126
Ion	Ratio	Lower	Upper
41	100		
39	57.1	45.4	68.2
67	82.1	65.9	98.9
52	36.2	26.2	39.2

Manual Integrations
APPROVED

MMDadoda
7/22/2019 5:22:39 PM



#42

1,2-Dichloroethane

Concen: 5.219 ug/l

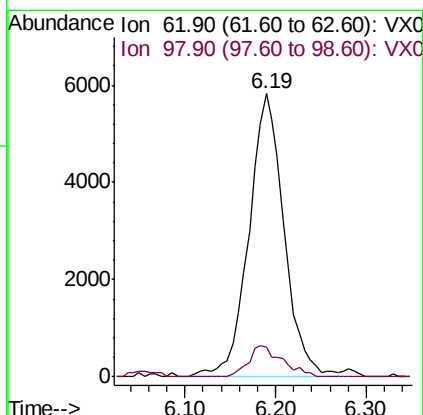
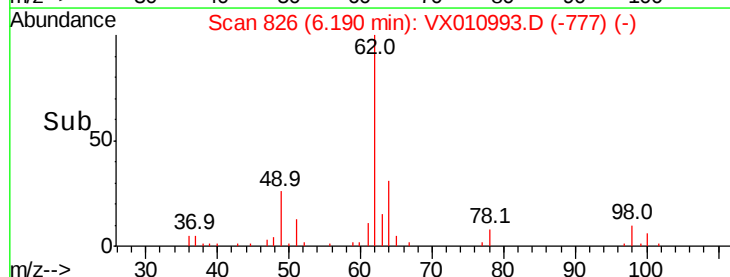
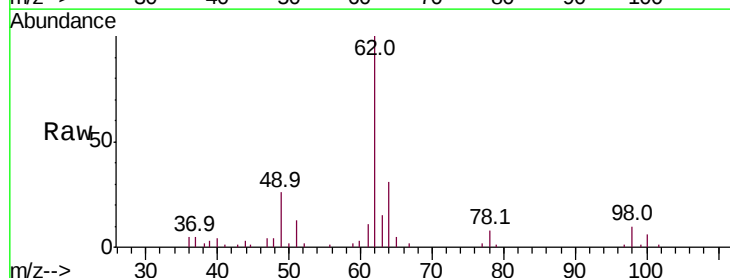
RT: 6.19 min Scan# 826

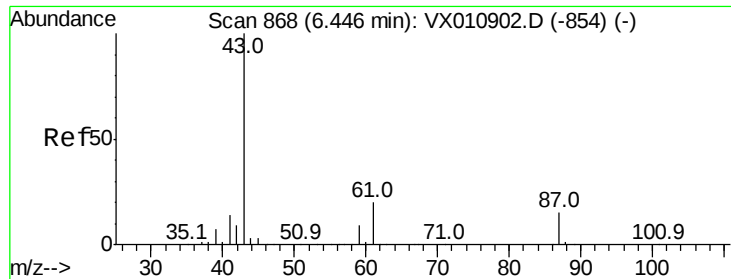
Delta R.T. 0.00 min

Lab File: VX010993.D

Acq: 19 Jul 2019 11:34

Tgt Ion:	62	Resp:	15630
Ion	Ratio	Lower	Upper
62	100		
98	10.6	0.0	20.0





#43

Isopropyl Acetate

Concen: 4.862 ug/l

RT: 6.44 min Scan# 867

Delta R.T. -0.01 min

Lab File: VX010993.D

Acq: 19 Jul 2019 11:34

Instrument :

MSVOA_X

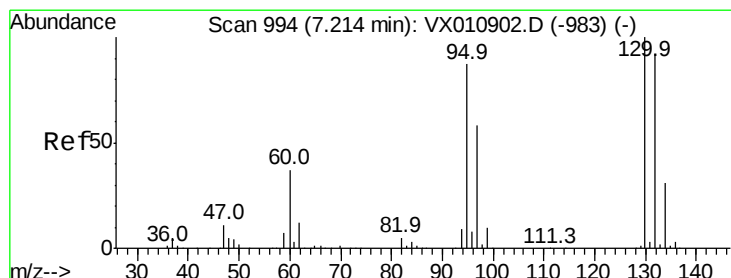
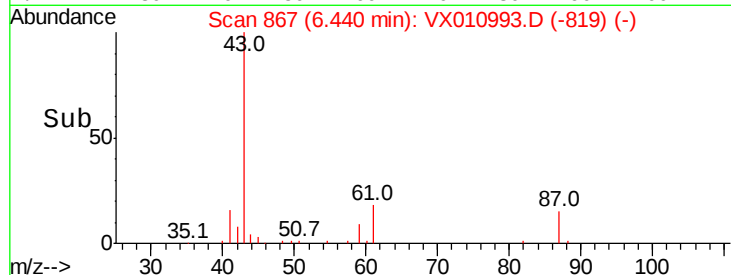
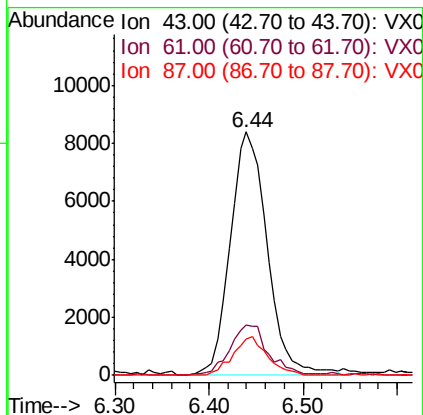
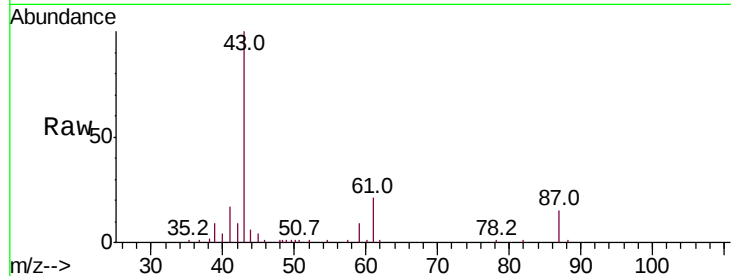
ClientSampleId :

LOQ-WATER-02-QT3-2019

Tot Ion:	43	Resp:	23018
Ion	Ratio	Lower	Upper
43	100		
61	21.6	17.1	25.7
87	14.8	12.0	18.0

Manual Integrations
APPROVED

MMDadoda
7/22/2019 5:22:39 PM



#44

Trichloroethene

Concen: 5.013 ug/l

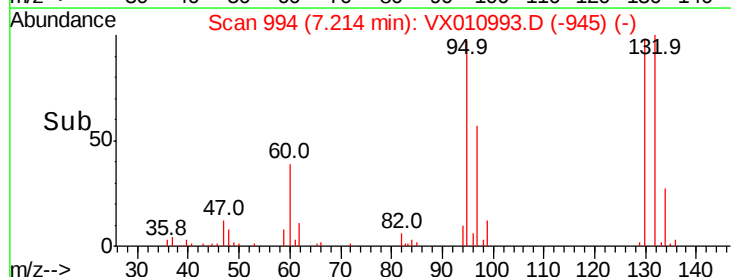
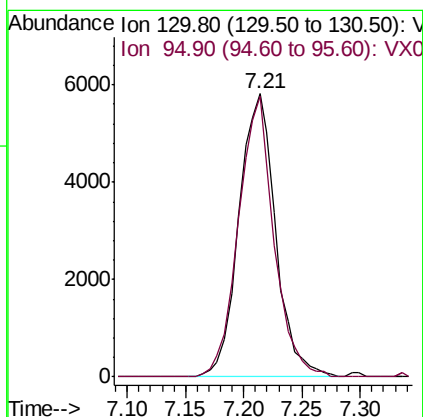
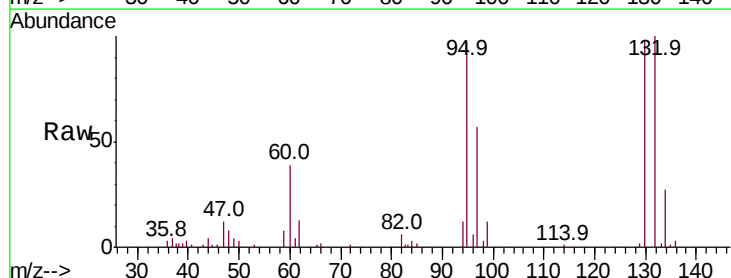
RT: 7.21 min Scan# 994

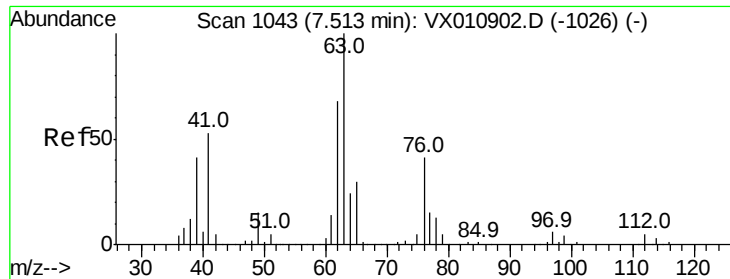
Delta R.T. 0.00 min

Lab File: VX010993.D

Acq: 19 Jul 2019 11:34

Tgt Ion:	130	Resp:	12781
Ion	Ratio	Lower	Upper
130	100		
95	99.0	0.0	174.8





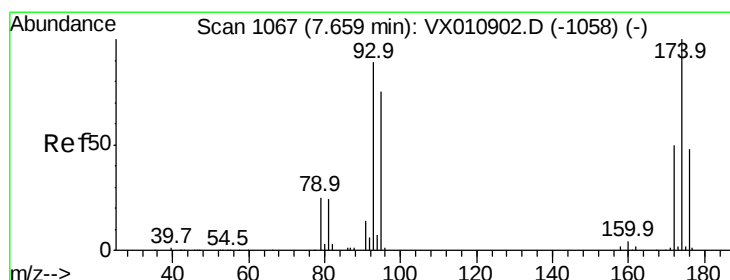
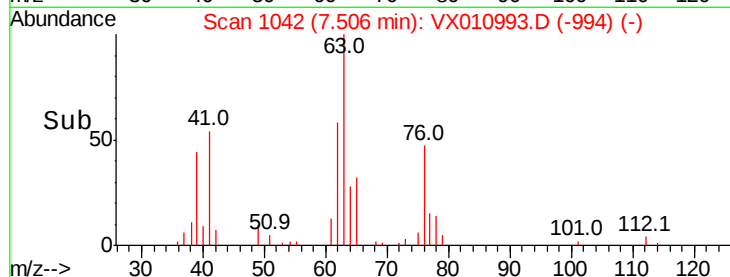
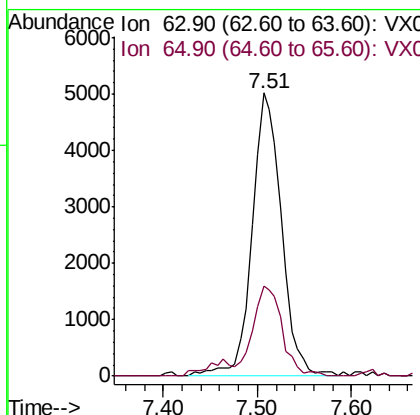
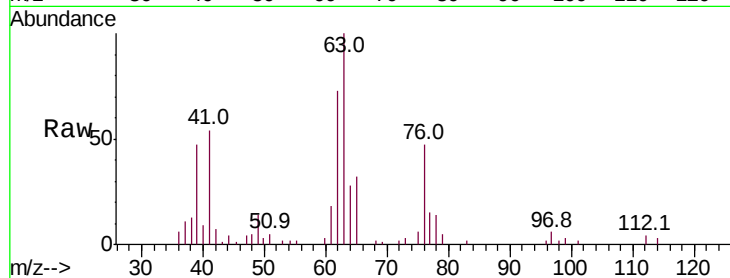
#45
1,2-Dichloropropane
Concen: 5.022 ug/l
RT: 7.51 min Scan# 1042
Delta R.T. -0.01 min
Lab File: VX010993.D
Acq: 19 Jul 2019 11:34

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT3-2019

Tot Ion: 63 Resp: 11009
Ion Ratio Lower Upper
63 100
65 31.6 24.4 36.6

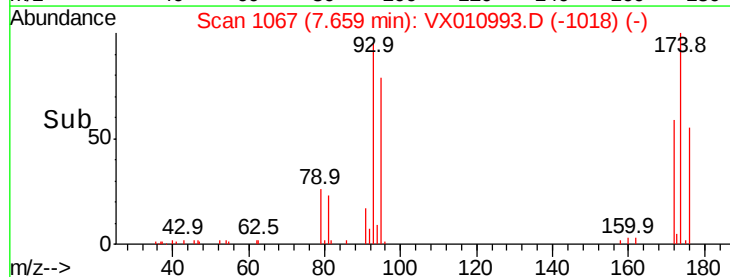
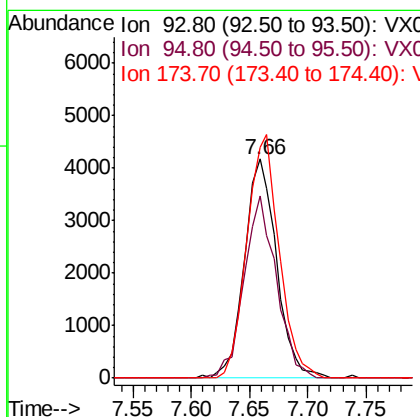
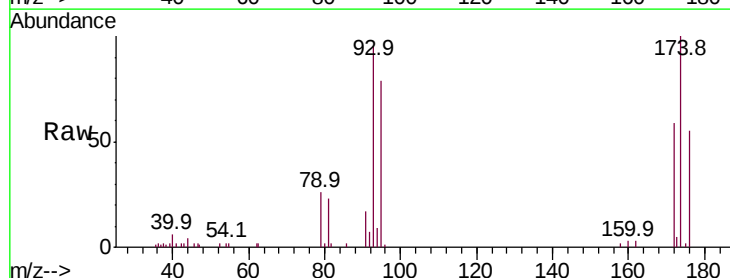
Manual Integrations
APPROVED

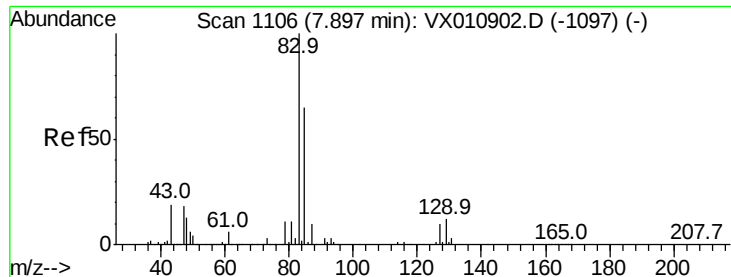
MMDadoda
7/22/2019 5:22:39 PM



#46
Dibromomethane
Concen: 5.137 ug/l
RT: 7.66 min Scan# 1067
Delta R.T. 0.00 min
Lab File: VX010993.D
Acq: 19 Jul 2019 11:34

Tgt Ion: 93 Resp: 8047
Ion Ratio Lower Upper
93 100
95 83.2 67.2 100.8
174 111.4 90.6 135.8





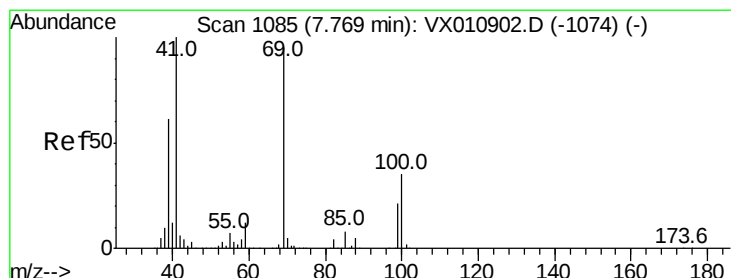
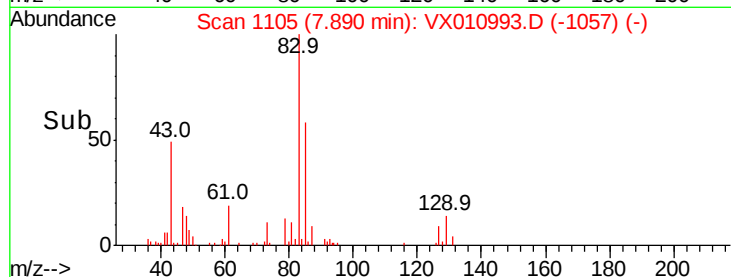
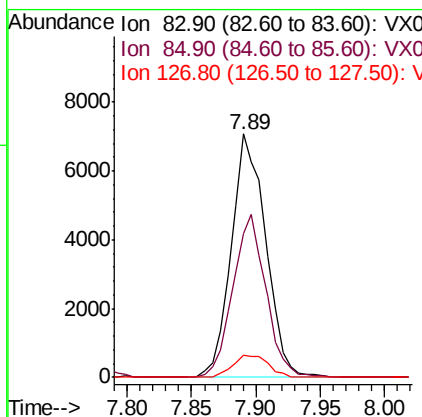
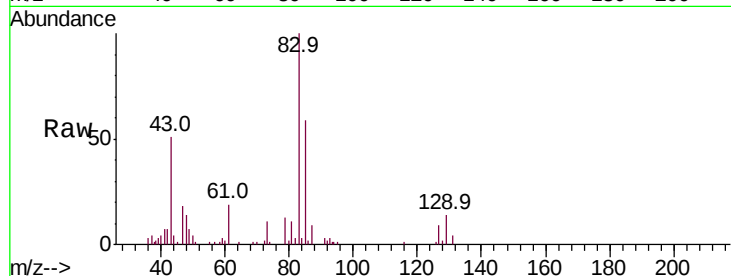
#47
Bromodichloromethane
Concen: 4.699 ug/l
RT: 7.89 min Scan# 1105
Delta R.T. -0.01 min
Lab File: VX010993.D
Acq: 19 Jul 2019 11:34

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT3-2019

Tot Ion	Ratio	Lower	Upper
83	100		
85	59.2	52.5	78.7
127	9.0	7.8	11.8

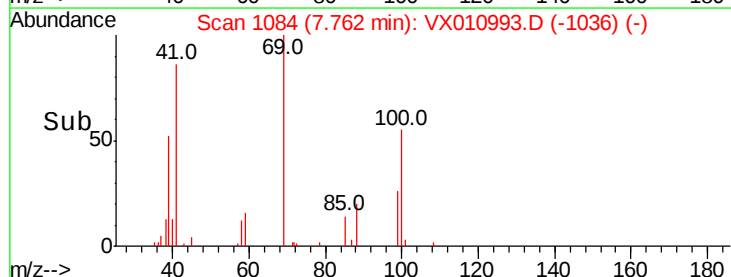
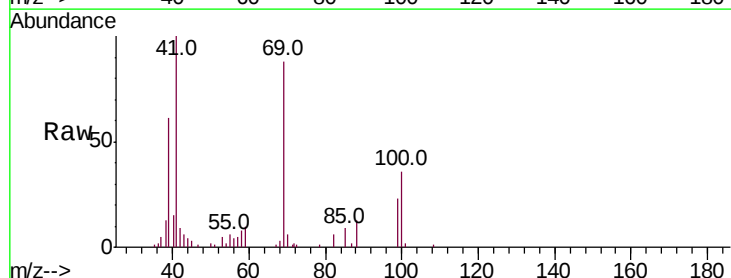
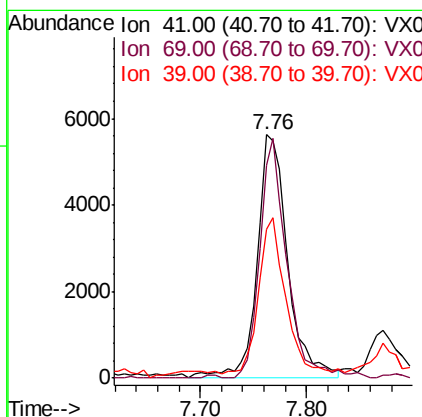
Manual Integrations
APPROVED

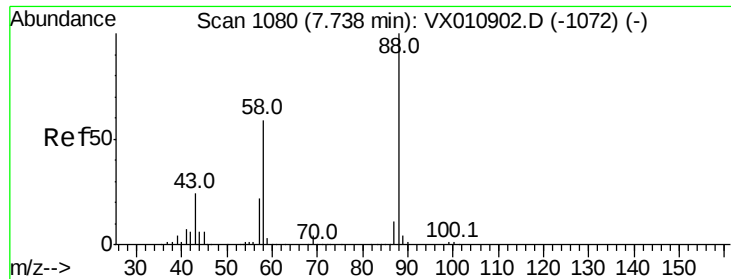
MMDadoda
7/22/2019 5:22:39 PM



#48
Methyl methacrylate
Concen: 4.929 ug/l
RT: 7.76 min Scan# 1084
Delta R.T. -0.01 min
Lab File: VX010993.D
Acq: 19 Jul 2019 11:34

Tgt Ion	Ratio	Lower	Upper
41	100		
69	87.5	74.4	111.6
39	57.8	48.9	73.3





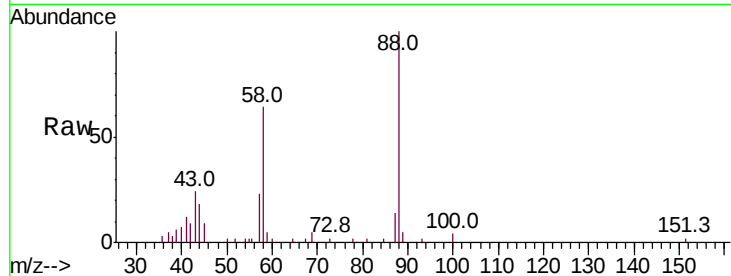
#49
1,4-Dioxane
Concen: 97.580 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX010993.D
Acq: 19 Jul 2019 11:34

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT3-2019

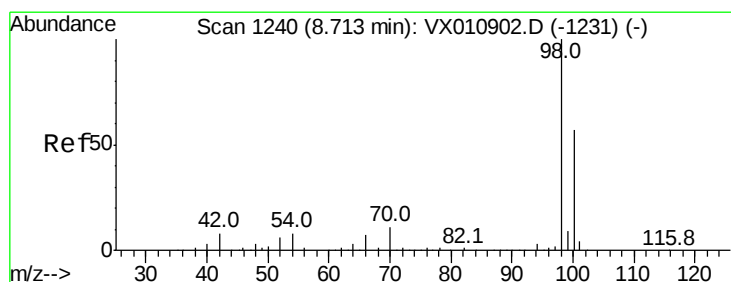
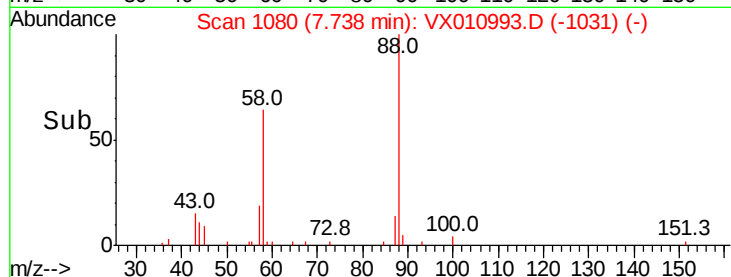
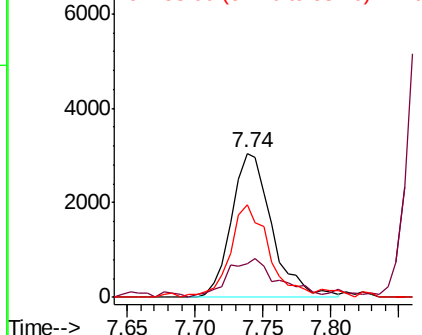
Tot Ion	Ratio	Lower	Upper
88	100		
43	33.7	22.9	34.3
58	61.7	49.8	74.8

Manual Integrations
APPROVED

MMDadoda
7/22/2019 5:22:39 PM

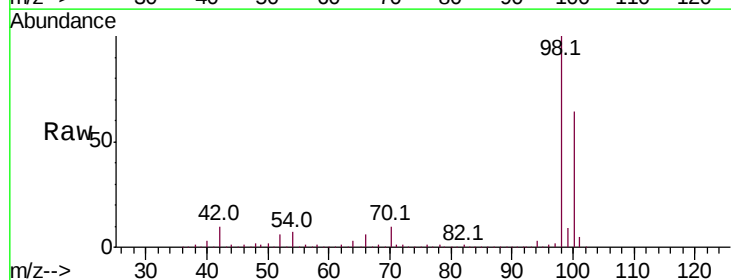


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

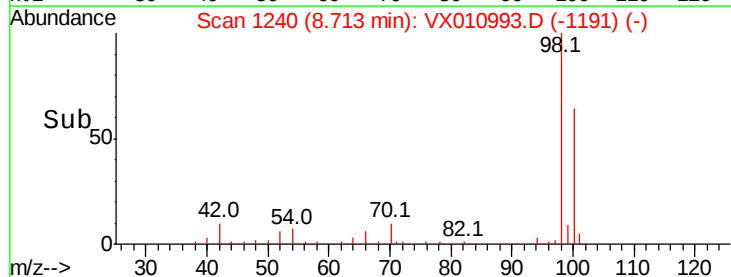
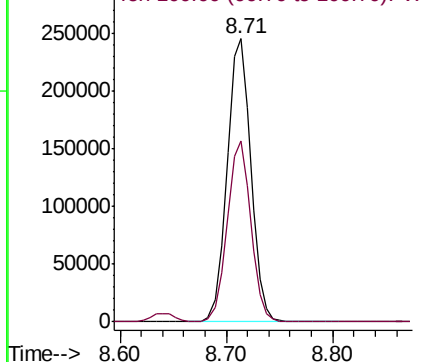


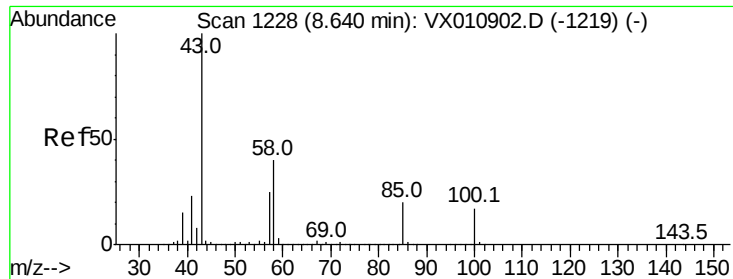
#50
Toluene-d8
Concen: 47.083 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010993.D
Acq: 19 Jul 2019 11:34

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.3	50.6	75.8



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





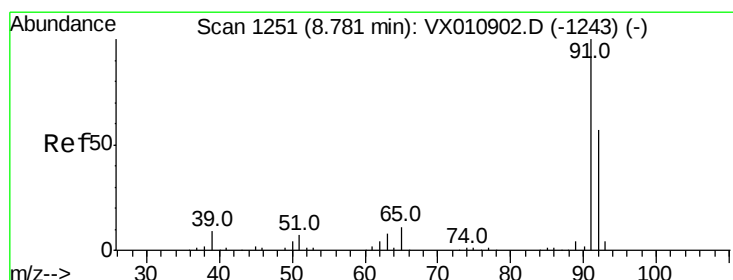
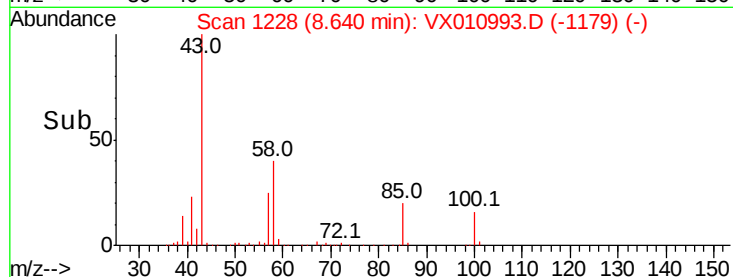
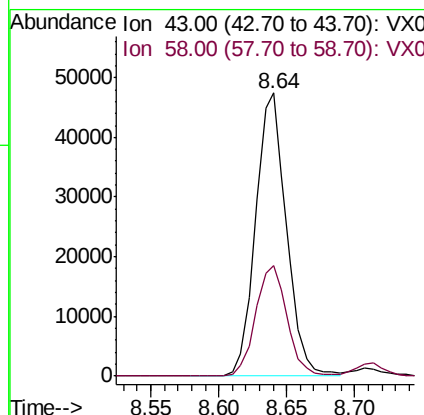
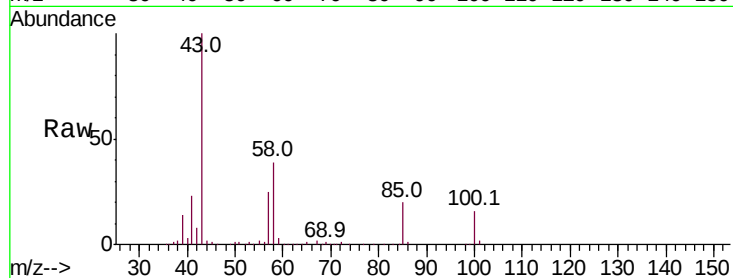
#51
4-Methyl-2-Pentanone
Concen: 24.583 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VX010993.D
Acq: 19 Jul 2019 11:34

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT3-2019

Tot Ion: 43 Resp: 75442
Ion Ratio Lower Upper
43 100
58 39.8 32.2 48.4

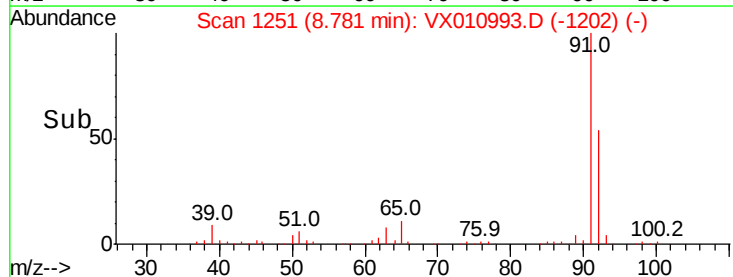
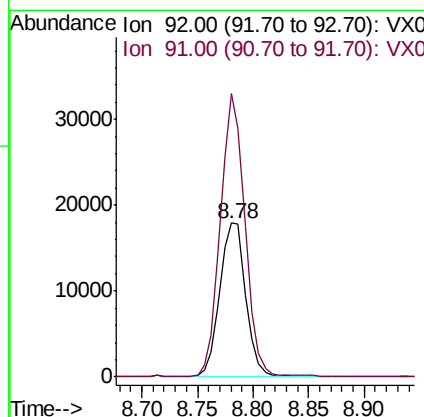
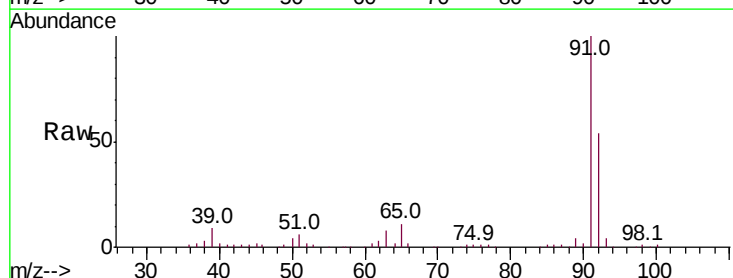
Manual Integrations
APPROVED

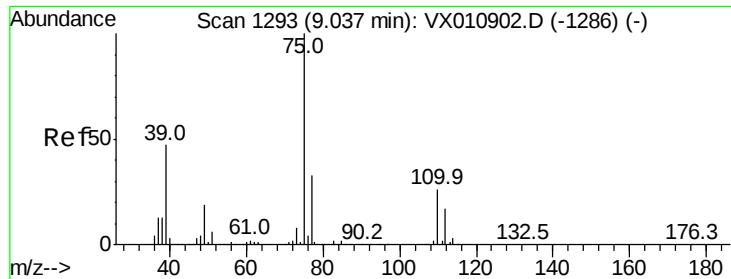
MMDadoda
7/22/2019 5:22:39 PM



#52
Toluene
Concen: 5.126 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VX010993.D
Acq: 19 Jul 2019 11:34

Tgt Ion: 92 Resp: 29002
Ion Ratio Lower Upper
92 100
91 174.2 139.4 209.0





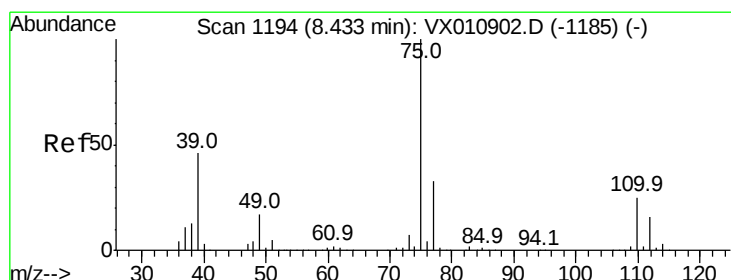
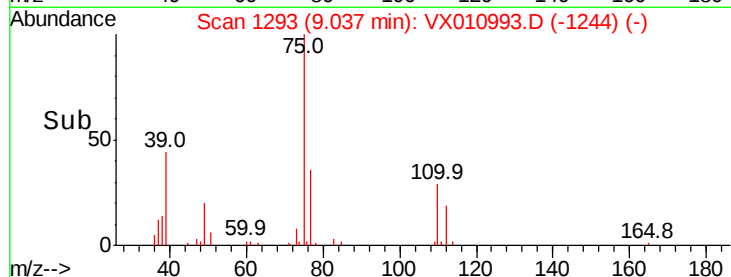
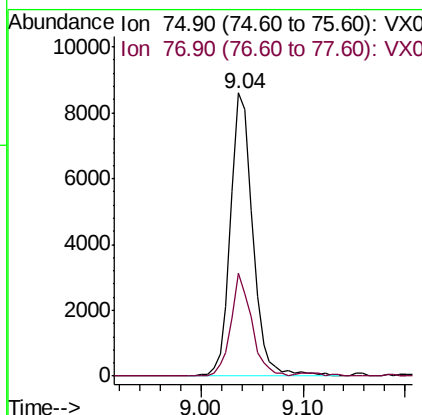
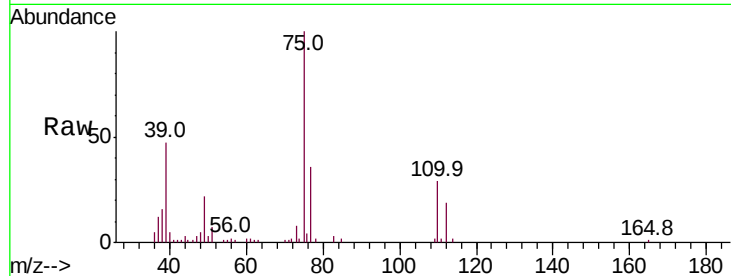
#53
 t-1,3-Dichloropropene
 Concen: 4.325 ug/l
 RT: 9.04 min Scan# 1293
 Delta R.T. 0.00 min
 Lab File: VX010993.D
 Acq: 19 Jul 2019 11:34

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT3-2019

Tot Ion: 75 Resp: 12966
 Ion Ratio Lower Upper
 75 100
 77 36.3 26.2 39.2

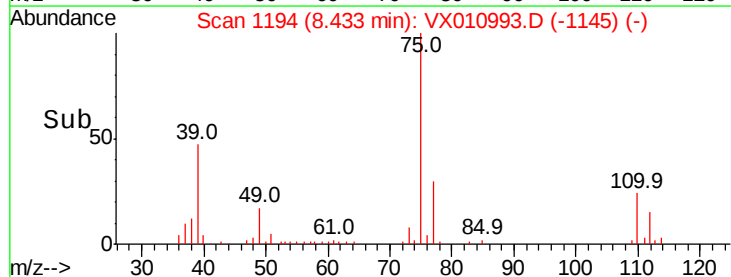
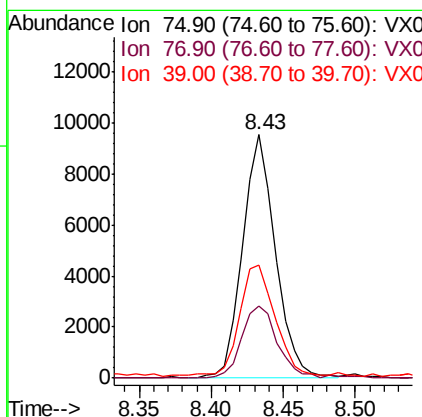
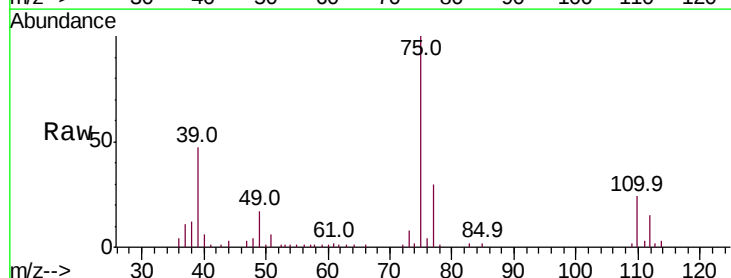
Manual Integrations
 APPROVED

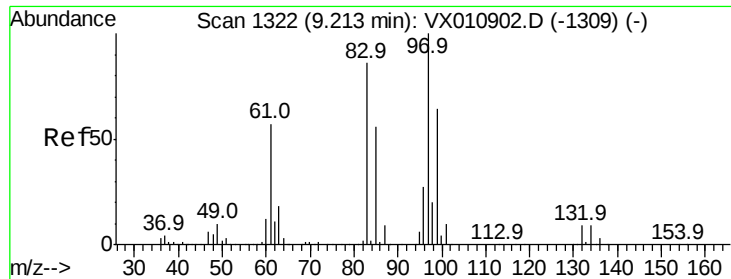
MMDadoda
 7/22/2019 5:22:39 PM



#54
 cis-1,3-Dichloropropene
 Concen: 4.522 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VX010993.D
 Acq: 19 Jul 2019 11:34

Tgt Ion: 75 Resp: 15085
 Ion Ratio Lower Upper
 75 100
 77 29.6 26.1 39.1
 39 45.5 36.6 54.8





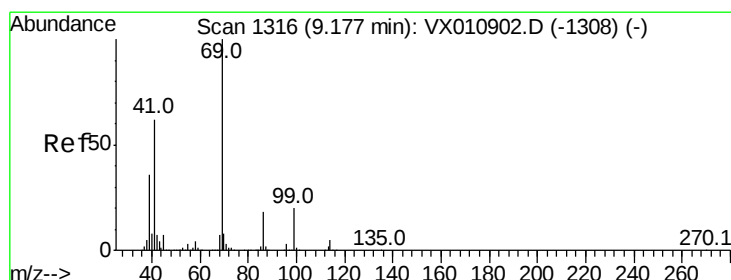
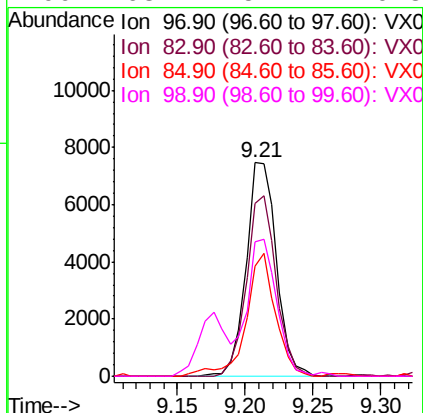
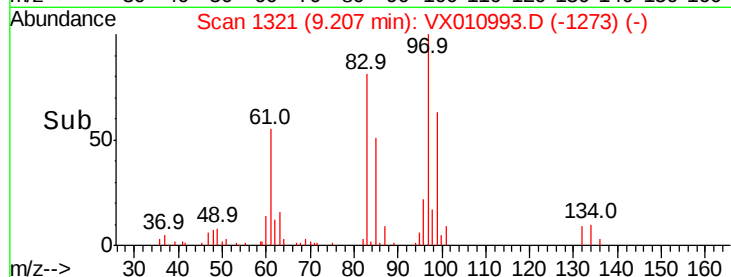
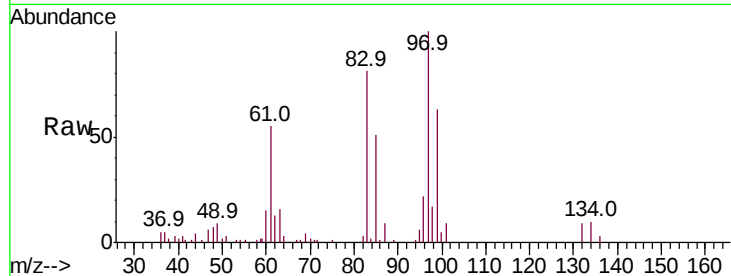
#55
1,1,2-Trichloroethane
Concen: 5.008 ug/l
RT: 9.21 min Scan# 1321
Delta R.T. -0.01 min
Lab File: VX010993.D
Acq: 19 Jul 2019 11:34

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT3-2019

Tot Ion:	97	Resp:	11667
Ion	Ratio	Lower	Upper
97	100		
83	80.9	69.2	103.8
85	50.4	44.6	66.8
99	63.1	51.2	76.8

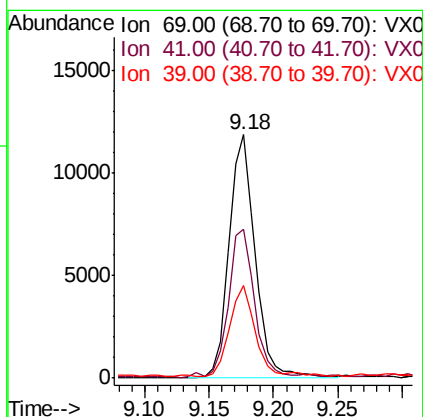
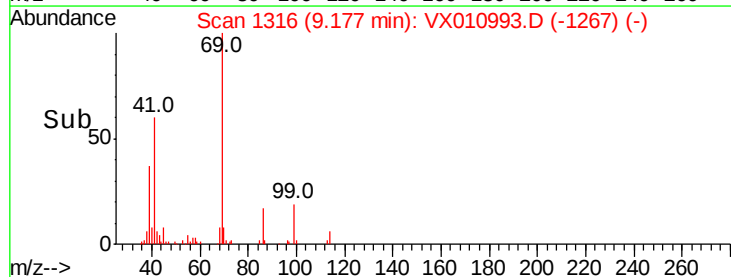
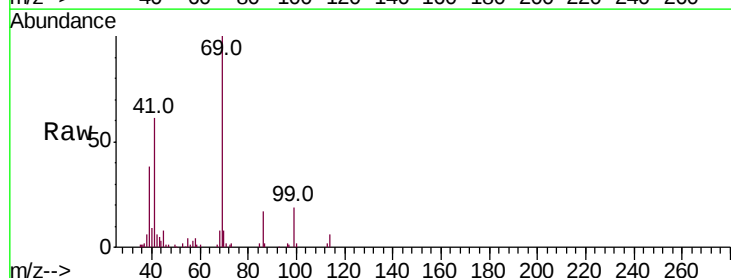
Manual Integrations
APPROVED

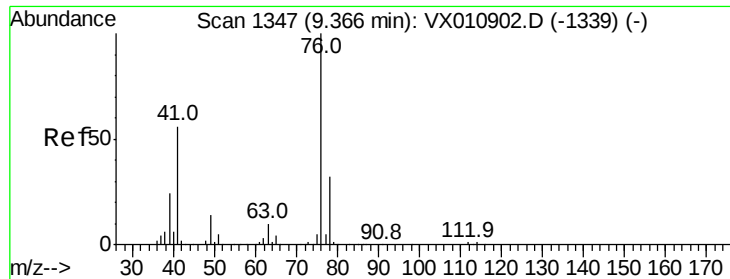
MMDadoda
7/22/2019 5:22:39 PM



#56
Ethyl methacrylate
Concen: 4.975 ug/l
RT: 9.18 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VX010993.D
Acq: 19 Jul 2019 11:34

Tgt Ion:	69	Resp:	16955
Ion	Ratio	Lower	Upper
69	100		
41	59.9	49.7	74.5
39	37.6	29.6	44.4





#57

1,3-Dichloropropane

Concen: 5.183 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. 0.00 min

Lab File: VX010993.D

Acq: 19 Jul 2019 11:34

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT3-2019

Tot Ion: 76 Resp: 19155

Ion Ratio Lower Upper

76 100

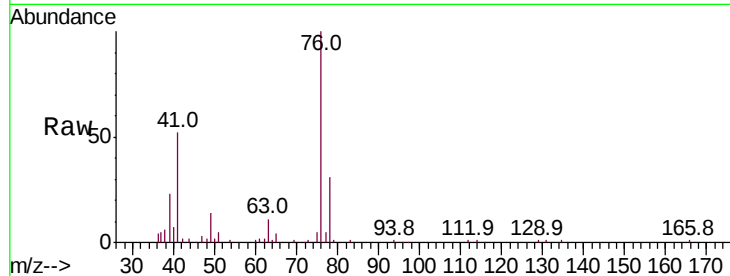
78 32.4 25.6 38.4

Manual Integrations

APPROVED

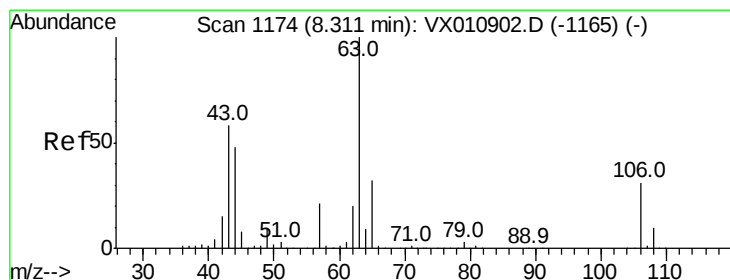
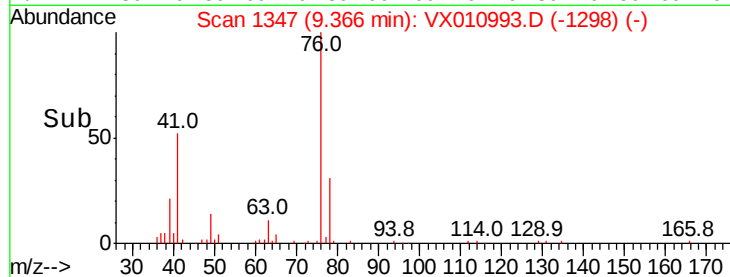
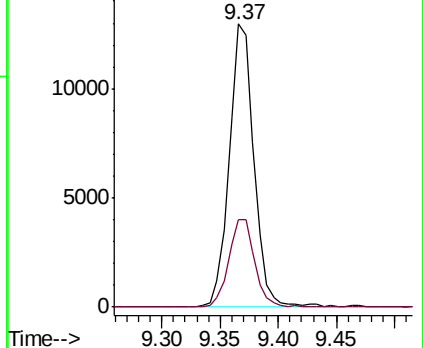
MMDadoda

7/22/2019 5:22:39 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 24.611 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX010993.D

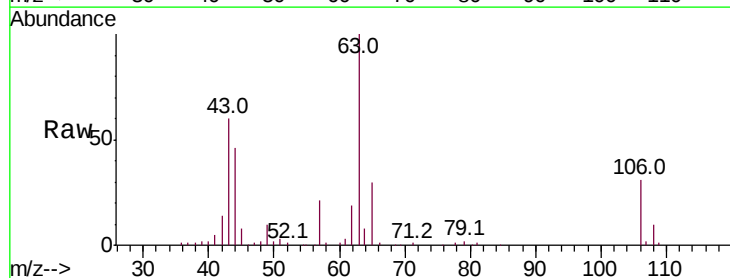
Acq: 19 Jul 2019 11:34

Tgt Ion: 63 Resp: 40035

Ion Ratio Lower Upper

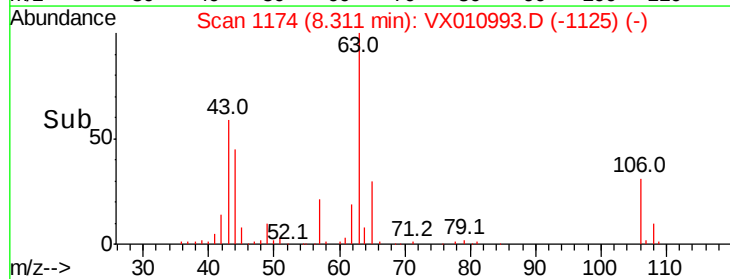
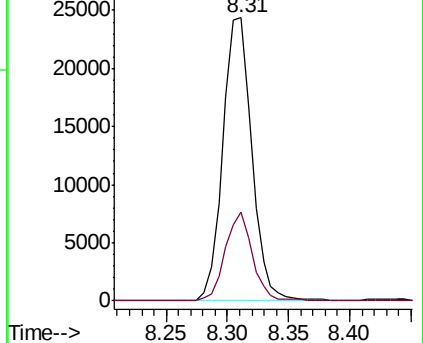
63 100

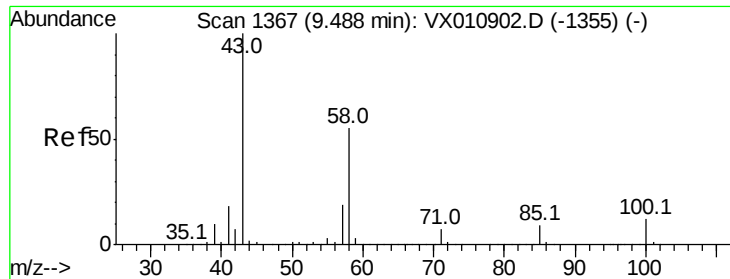
106 29.2 24.0 36.0



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





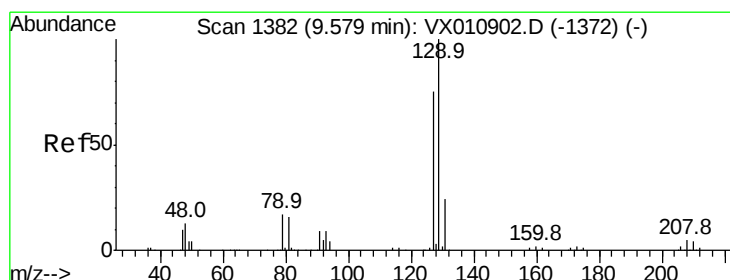
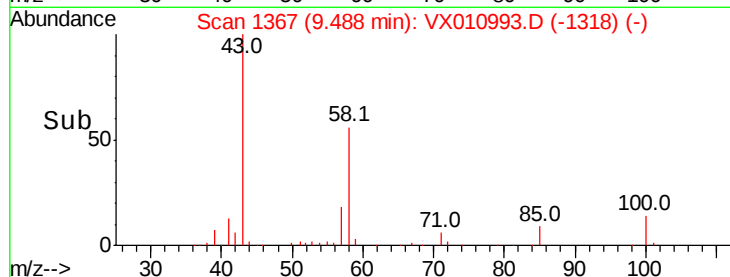
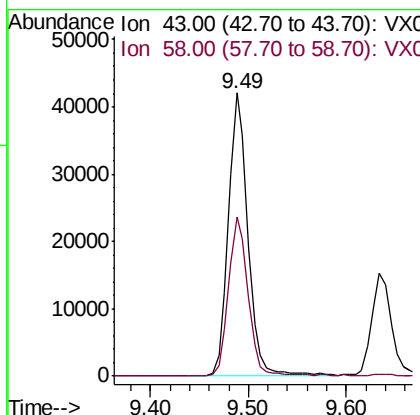
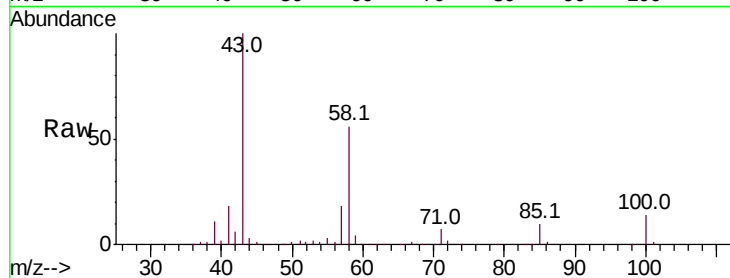
#59
2-Hexanone
Concen: 24.616 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX010993.D
Acq: 19 Jul 2019 11:34

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT3-2019

Tot Ion: 43 Resp: 58593
Ion Ratio Lower Upper
43 100
58 56.4 28.0 83.9

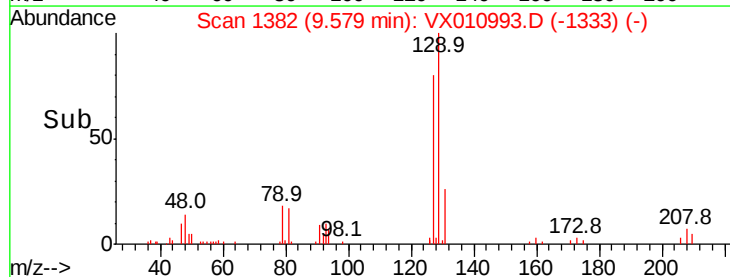
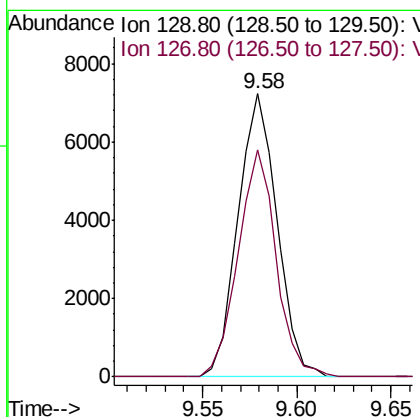
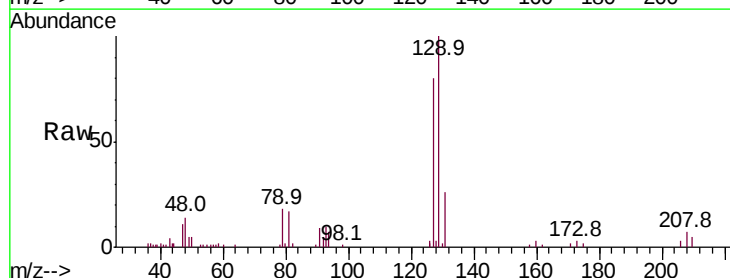
Manual Integrations
APPROVED

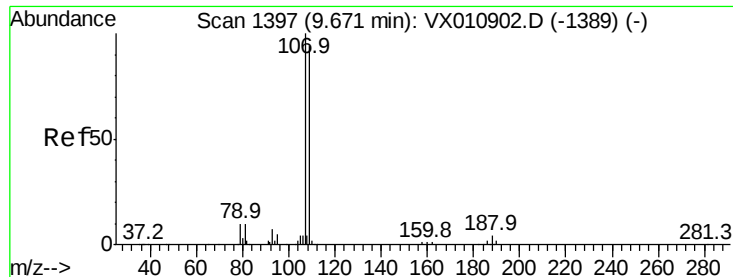
MMDadoda
7/22/2019 5:22:39 PM



#60
Dibromochloromethane
Concen: 4.391 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX010993.D
Acq: 19 Jul 2019 11:34

Tgt Ion: 129 Resp: 10358
Ion Ratio Lower Upper
129 100
127 78.4 38.6 115.8





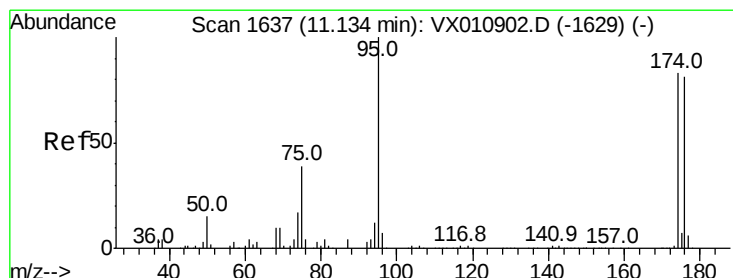
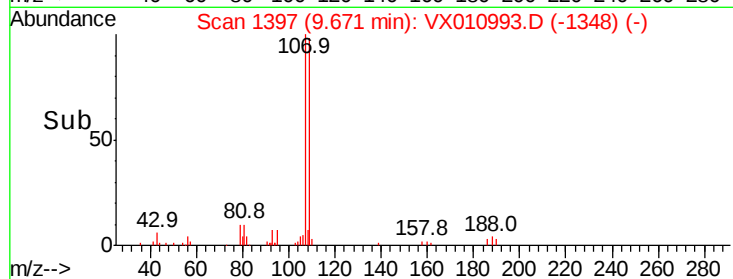
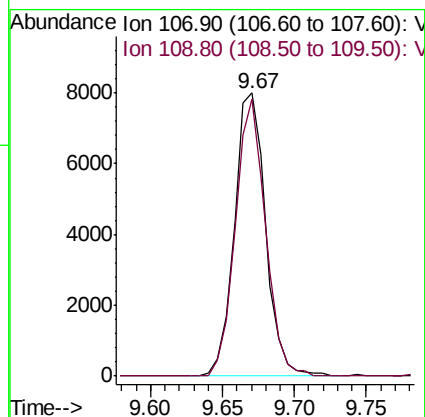
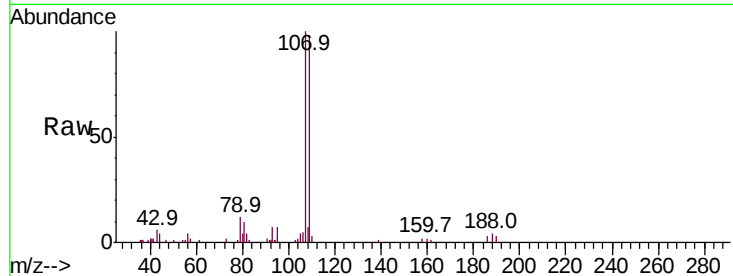
#61
 1,2-Dibromoethane
 Concen: 4.892 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. 0.00 min
 Lab File: VX010993.D
 Acq: 19 Jul 2019 11:34

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT3-2019

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.2	75.4	113.0

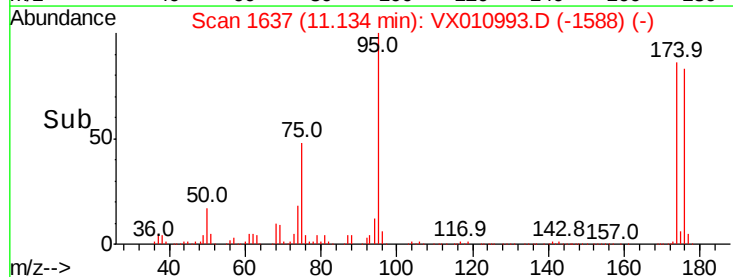
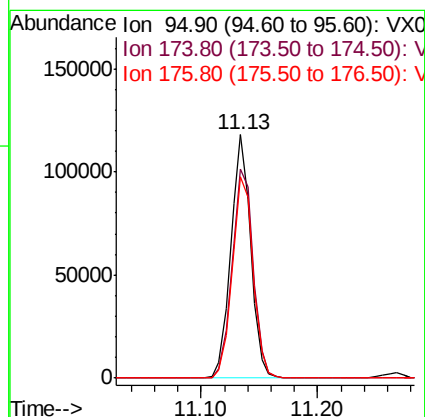
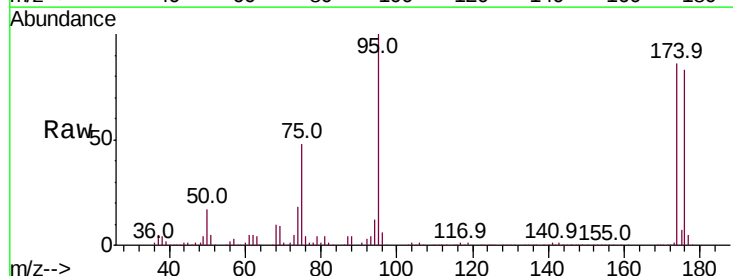
Manual Integrations
 APPROVED

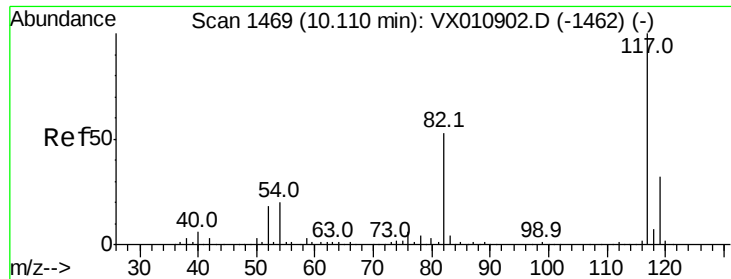
MMDadoda
 7/22/2019 5:22:39 PM



#62
 4-Bromofluorobenzene
 Concen: 46.547 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VX010993.D
 Acq: 19 Jul 2019 11:34

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.6	0.0	180.6
176	87.3	0.0	173.8





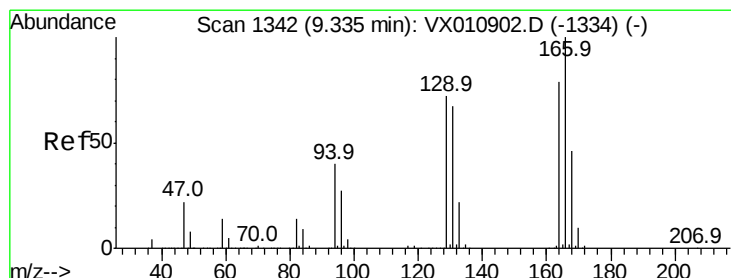
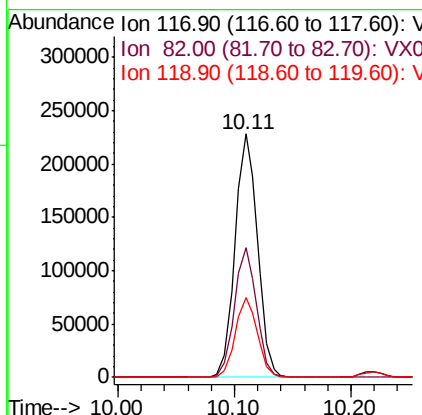
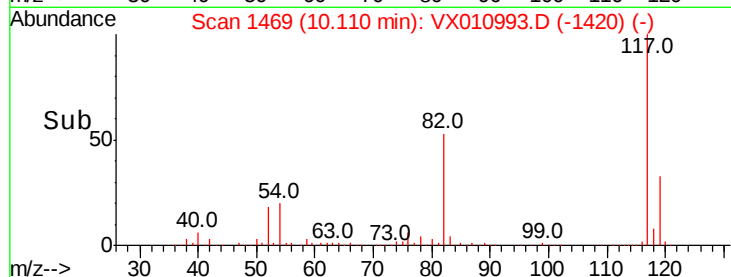
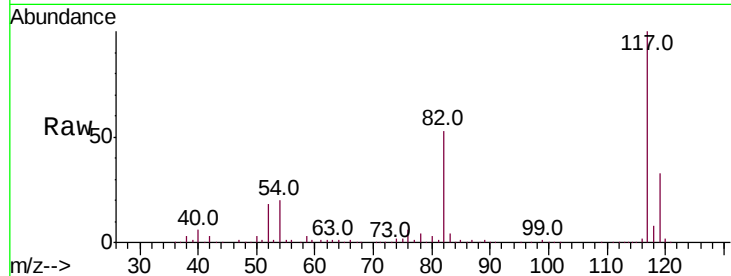
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010993.D
Acq: 19 Jul 2019 11:34

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT3-2019

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.0	42.6	63.8
119	32.6	25.9	38.9

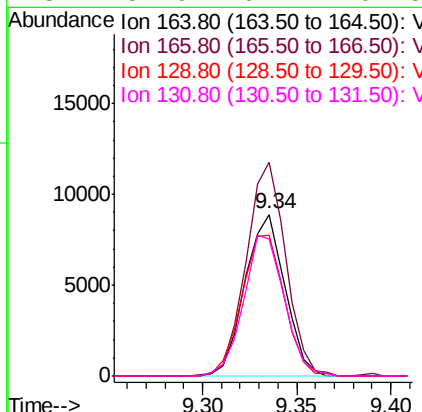
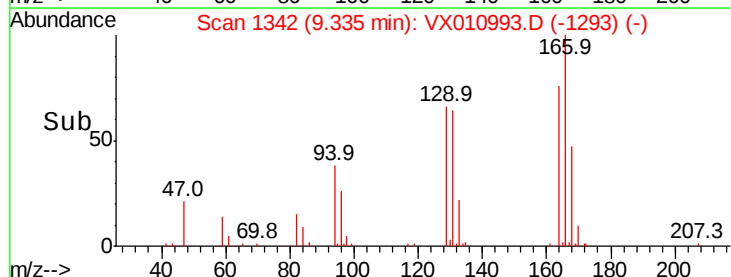
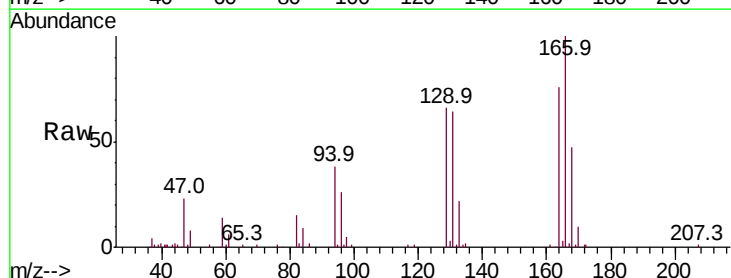
Manual Integrations
APPROVED

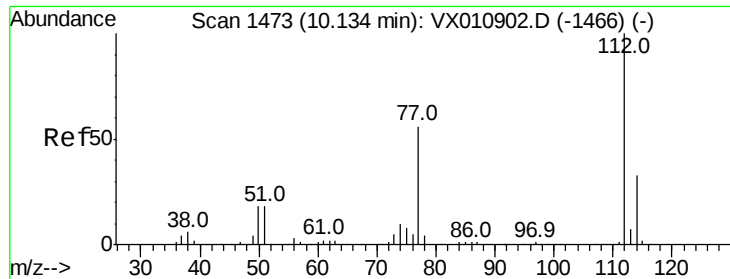
MMDadoda
7/22/2019 5:22:39 PM



#64
Tetrachloroethene
Concen: 5.387 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX010993.D
Acq: 19 Jul 2019 11:34

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.1	100.8	151.2
129	87.5	72.6	109.0
131	84.9	67.7	101.5





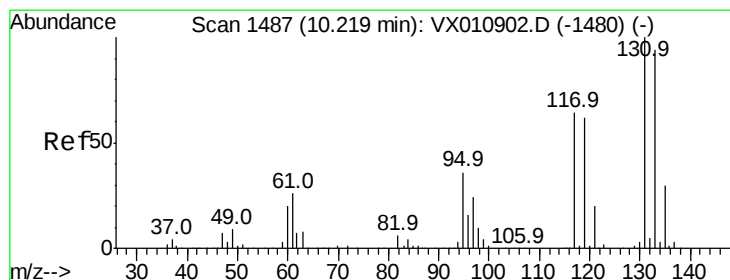
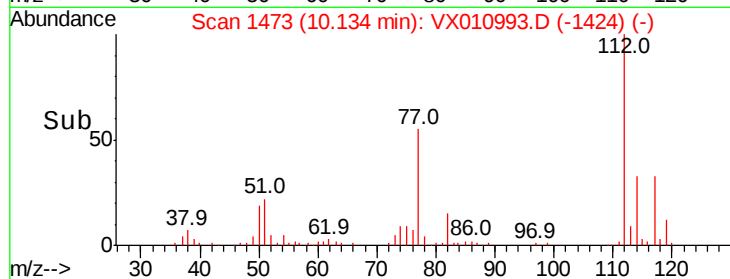
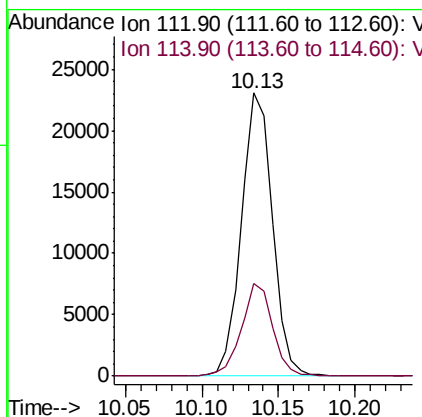
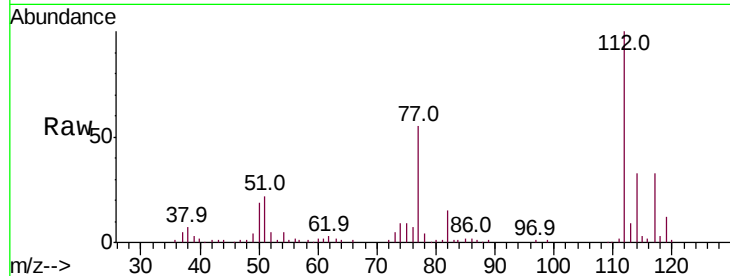
#65
Chlorobenzene
Concen: 5.121 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX010993.D
Acq: 19 Jul 2019 11:34

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT3-2019

Tot Ion:112 Resp: 32372
Ion Ratio Lower Upper
112 100
114 32.6 26.2 39.4

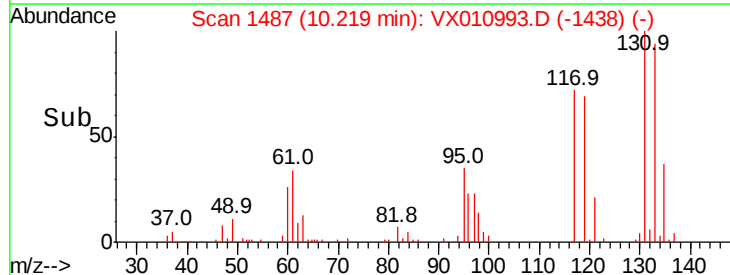
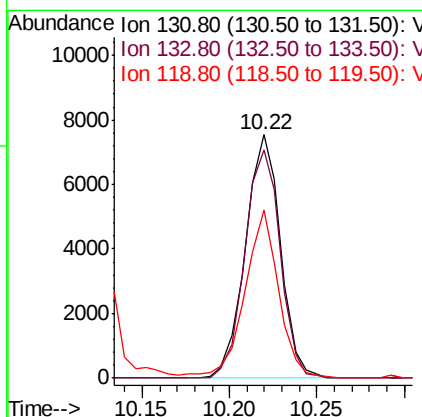
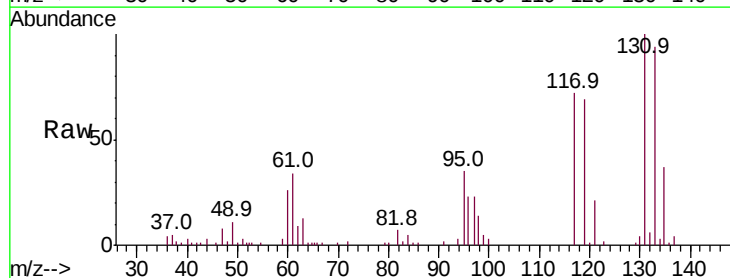
Manual Integrations
APPROVED

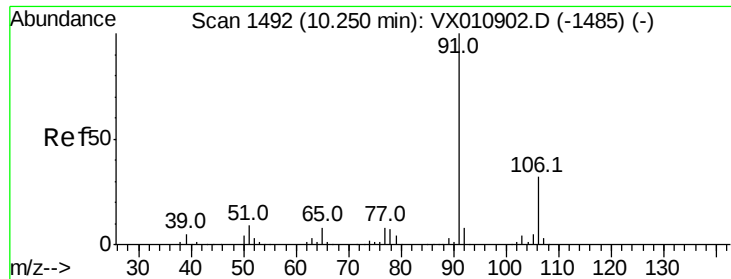
MMDadoda
7/22/2019 5:22:39 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 4.718 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX010993.D
Acq: 19 Jul 2019 11:34

Tgt Ion:131 Resp: 10481
Ion Ratio Lower Upper
131 100
133 94.5 47.1 141.4
119 66.9 31.9 95.7





#67

Ethyl Benzene

Concen: 5.074 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX010993.D

Acq: 19 Jul 2019 11:34

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT3-2019

Tot Ion: 91 Resp: 54591

Ion Ratio Lower Upper

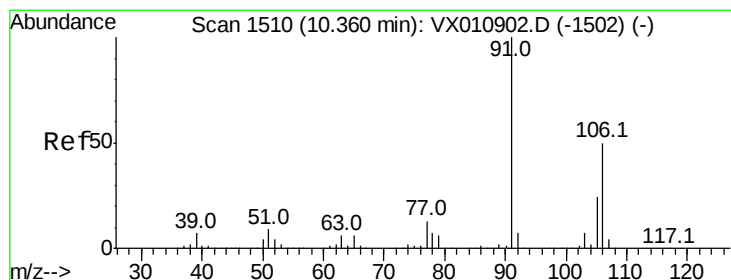
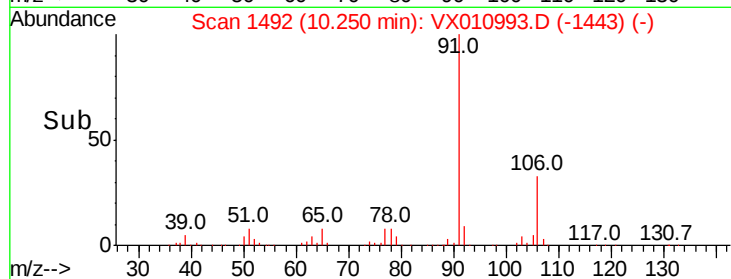
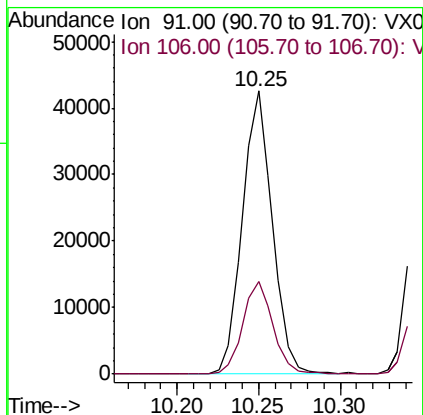
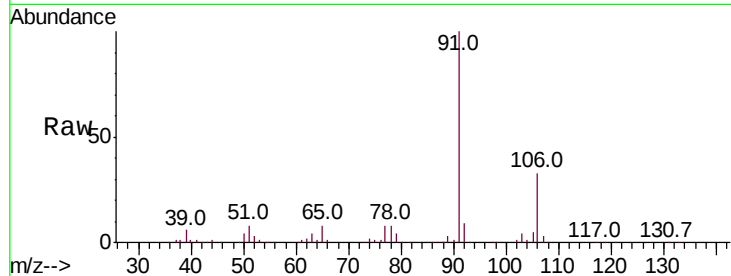
91 100

106 32.8 25.4 38.2

Manual Integrations
APPROVED

MMDadoda

7/22/2019 5:22:39 PM



#68

m/p-Xylenes

Concen: 10.408 ug/l

RT: 10.35 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VX010993.D

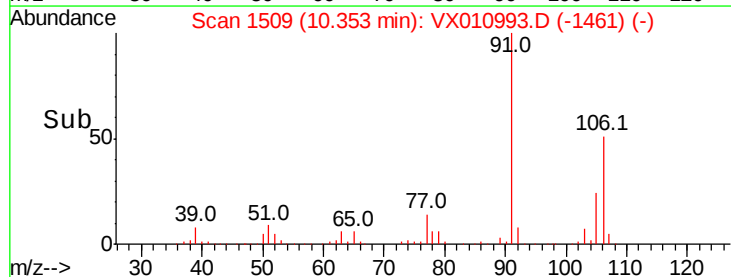
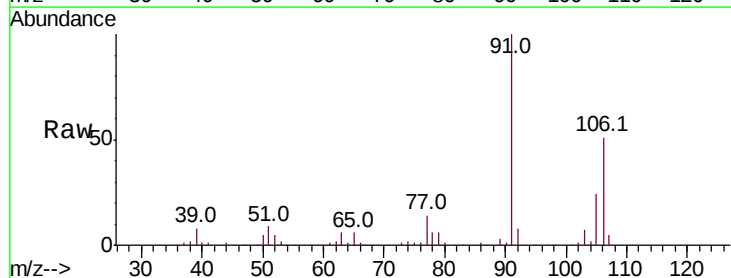
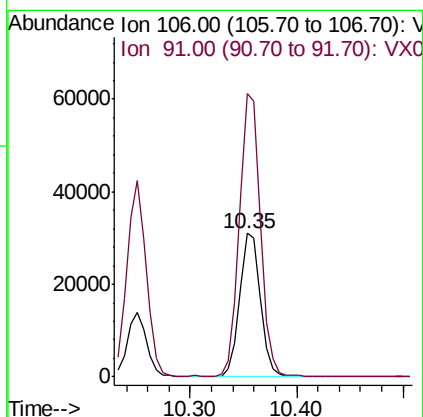
Acq: 19 Jul 2019 11:34

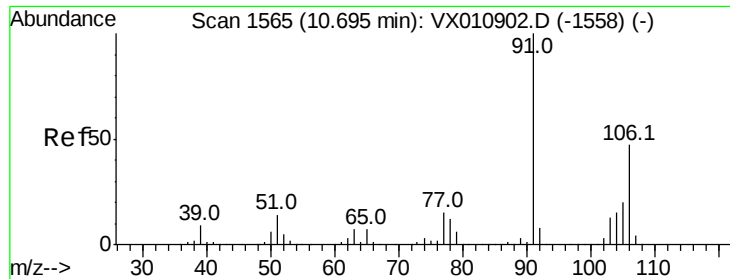
Tgt Ion: 106 Resp: 42956

Ion Ratio Lower Upper

106 100

91 198.4 160.1 240.1





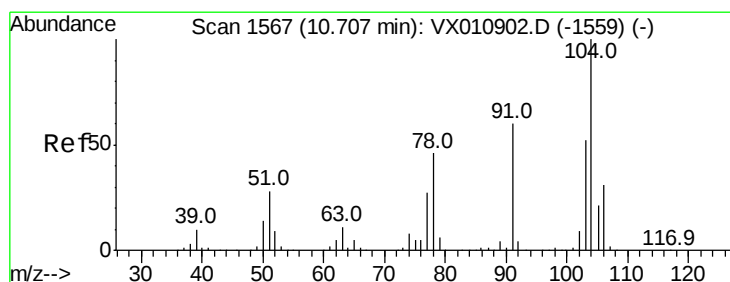
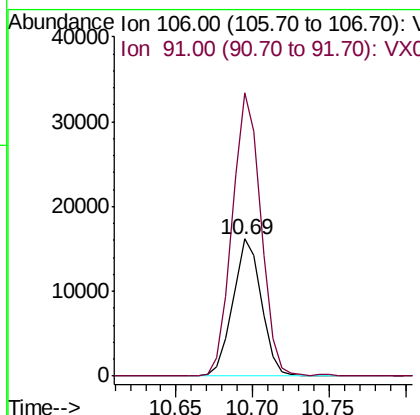
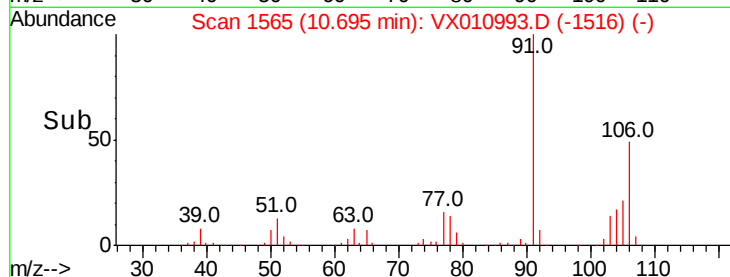
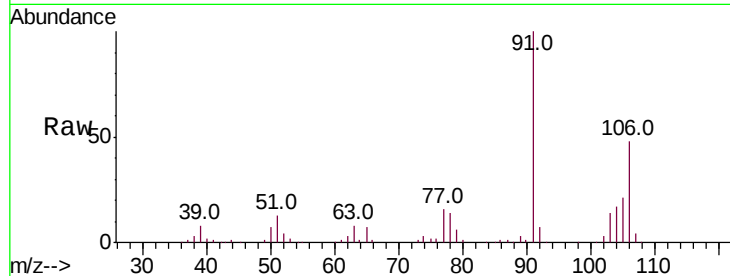
#69
o-Xylene
Concen: 5.183 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX010993.D
Acq: 19 Jul 2019 11:34

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT3-2019

Tot Ion:106 Resp: 20875
Ion Ratio Lower Upper
106 100
91 207.7 105.1 315.3

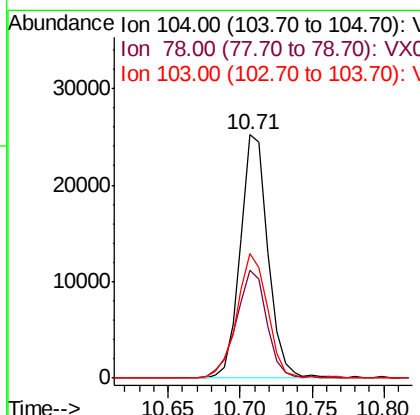
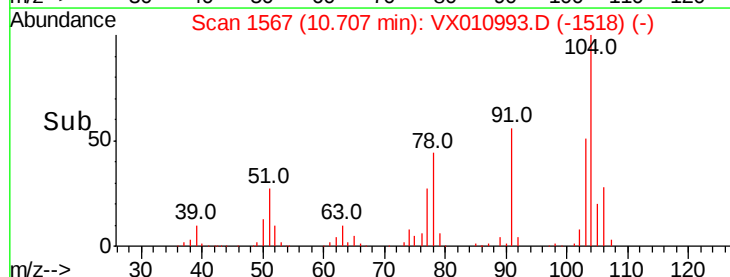
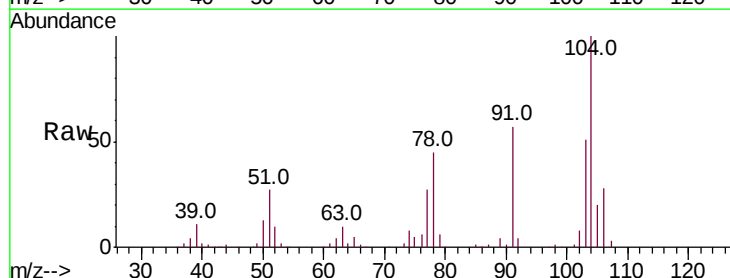
Manual Integrations
APPROVED

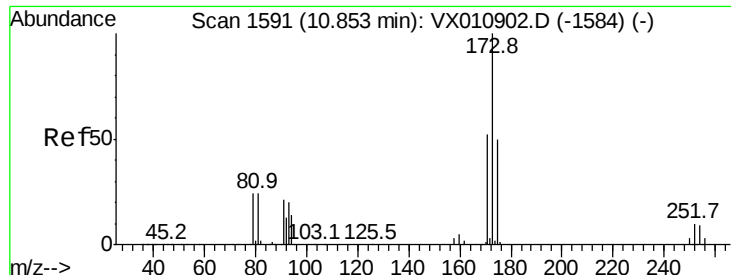
MMDadoda
7/22/2019 5:22:39 PM



#70
Styrene
Concen: 4.996 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX010993.D
Acq: 19 Jul 2019 11:34

Tgt Ion:104 Resp: 33546
Ion Ratio Lower Upper
104 100
78 49.7 38.8 58.2
103 57.2 44.2 66.4





#71

Bromoform

Concen: 4.276 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX010993.D

Acq: 19 Jul 2019 11:34

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT3-2019

Tot Ion:173 Resp: 7578

Ion Ratio Lower Upper

173 100

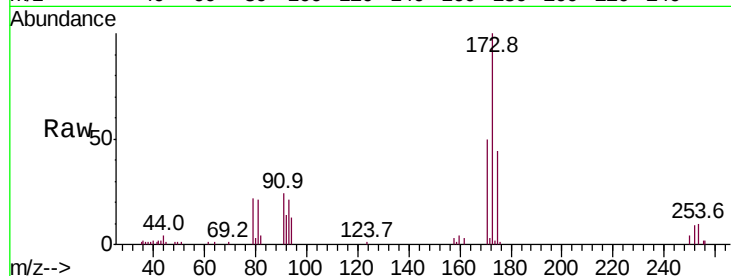
175 47.8 24.6 73.6

254 0.0 0.1 0.1#

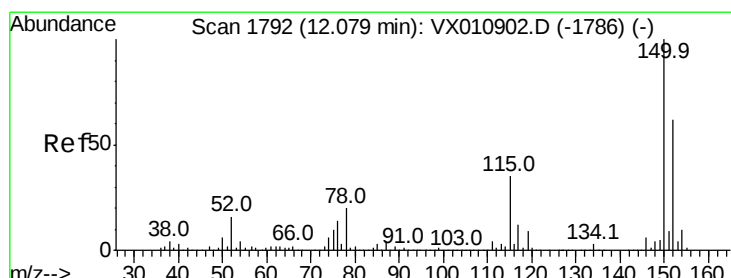
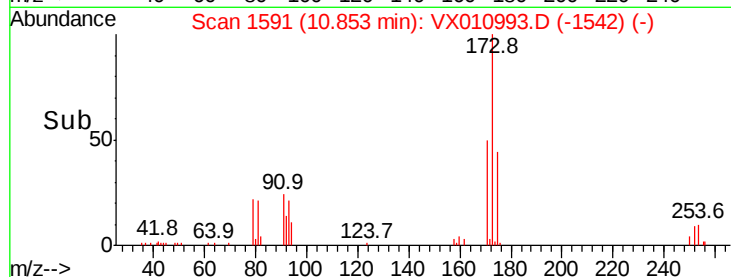
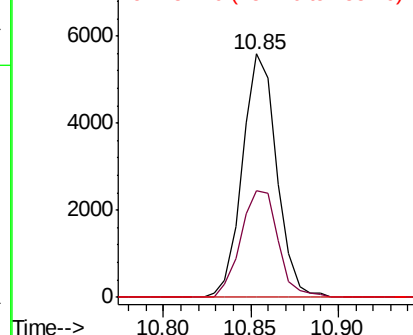
Manual Integrations
APPROVED

MMDadoda

7/22/2019 5:22:39 PM



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1791

Delta R.T. -0.01 min

Lab File: VX010993.D

Acq: 19 Jul 2019 11:34

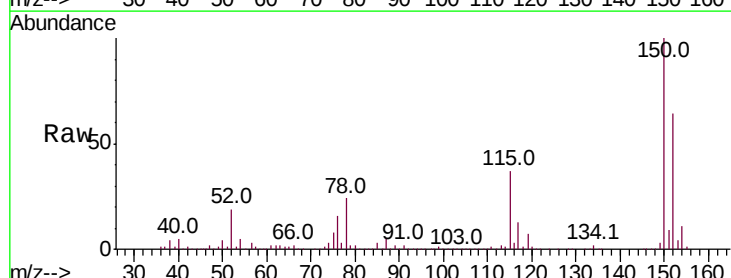
Tgt Ion:152 Resp: 160640

Ion Ratio Lower Upper

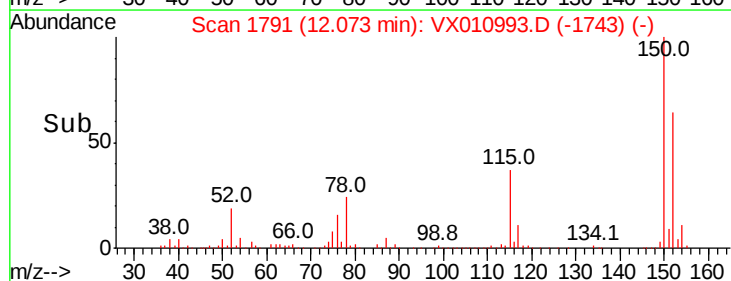
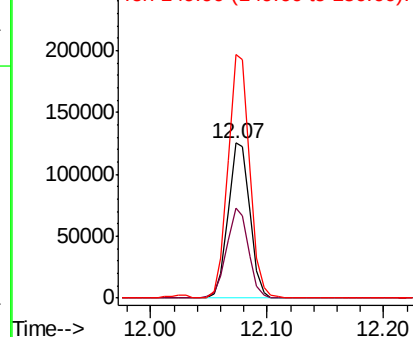
152 100

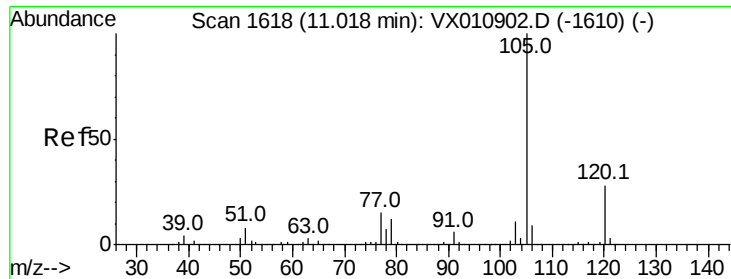
115 58.1 39.7 119.1

150 156.3 0.0 345.6



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





#73

Isopropylbenzene

Concen: 5.210 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX010993.D

Acq: 19 Jul 2019 11:34

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT3-2019

Tot Ion:105 Resp: 56556

Ion Ratio Lower Upper

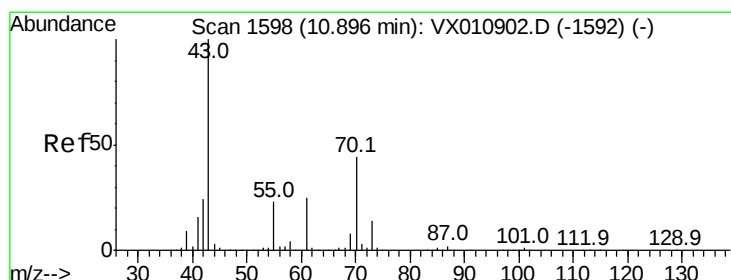
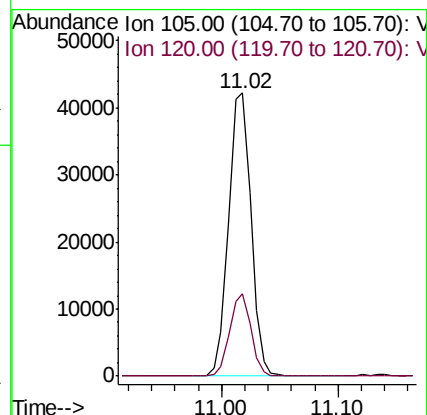
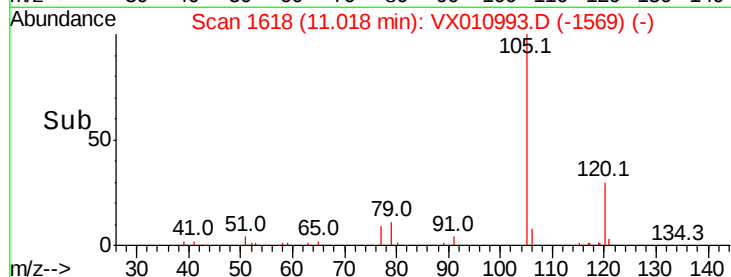
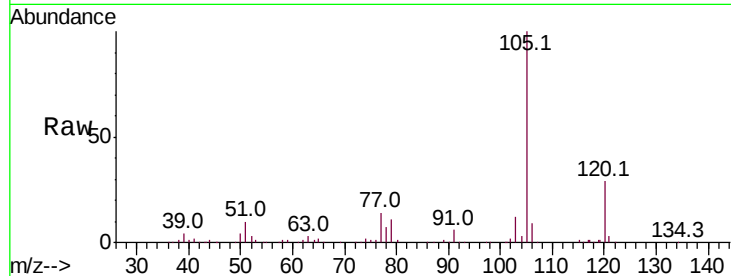
105 100

120 27.4 13.7 41.1

Manual Integrations
APPROVED

MMDadoda

7/22/2019 5:22:39 PM



#74

N-ethyl acetate

Concen: 4.647 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX010993.D

Acq: 19 Jul 2019 11:34

Tgt Ion: 43 Resp: 19273

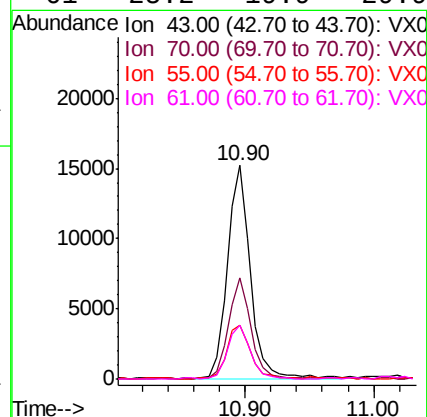
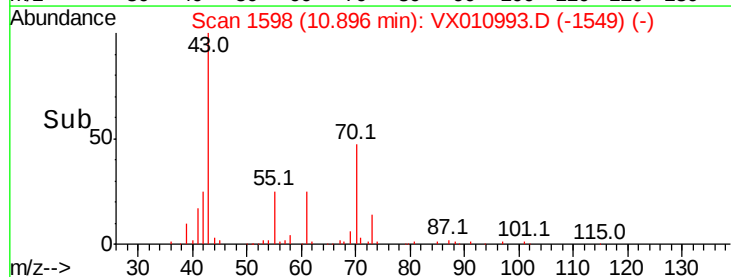
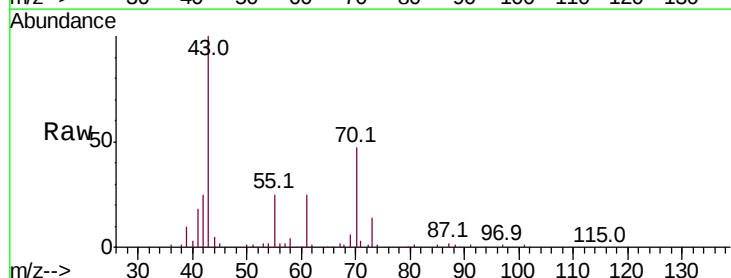
Ion Ratio Lower Upper

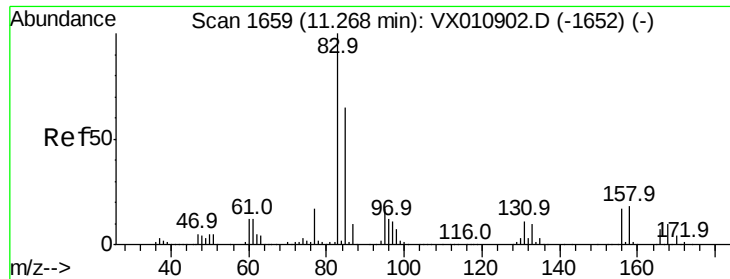
43 100

70 46.6 34.7 52.1

55 26.3 19.1 28.7

61 25.2 19.9 29.9





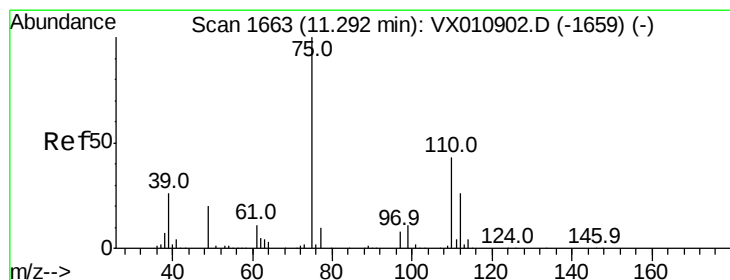
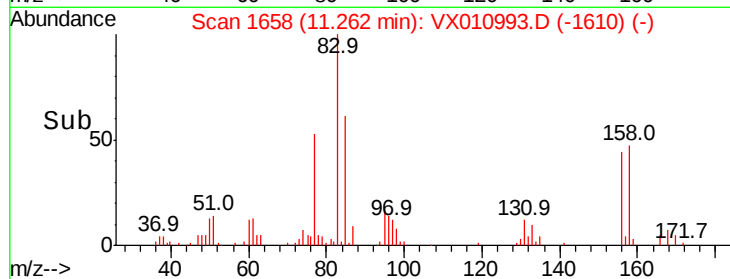
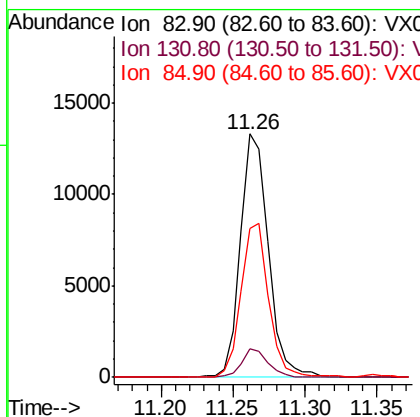
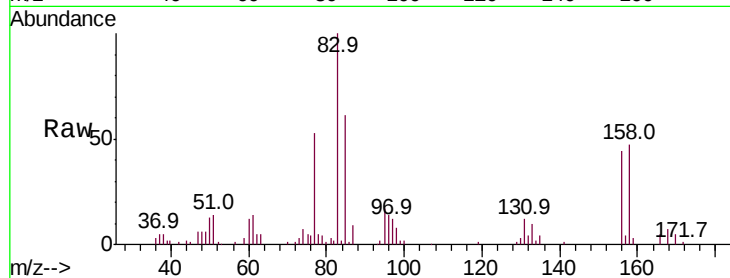
#75
 1,1,2,2-Tetrachloroethane
 Concen: 5.057 ug/l
 RT: 11.26 min Scan# 1658
 Delta R.T. -0.01 min
 Lab File: VX010993.D
 Acq: 19 Jul 2019 11:34

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT3-2019

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
131	11.2	5.5	16.4	
85	62.9	32.3	96.9	

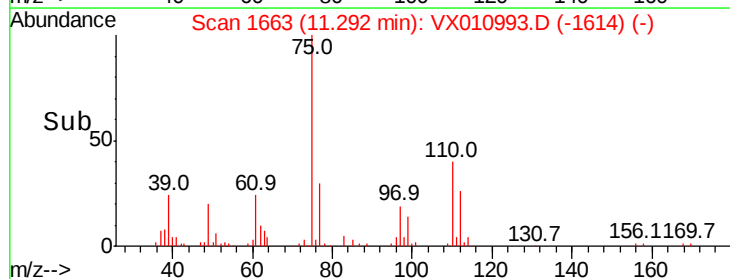
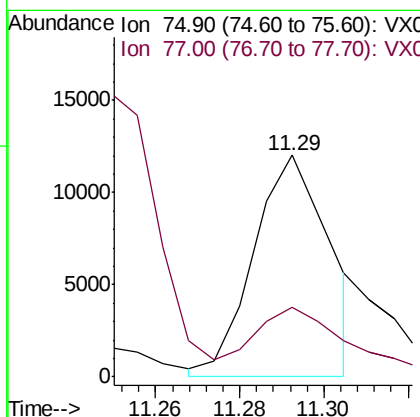
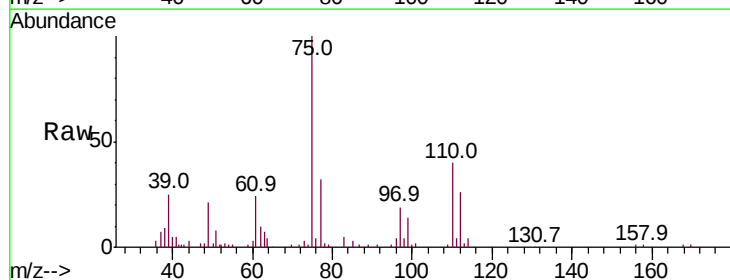
Manual Integrations
 APPROVED

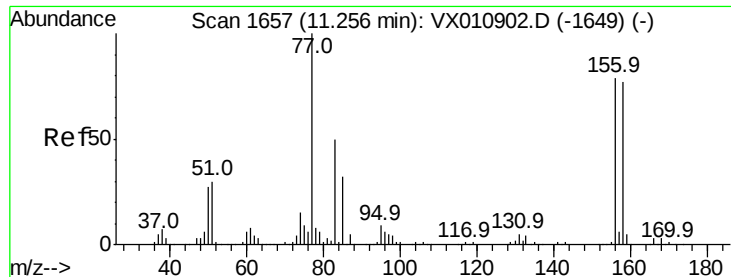
MMDadoda
 7/22/2019 5:22:39 PM



#76
 1,2,3-Trichloropropane
 Concen: 5.145 ug/l m
 RT: 11.29 min Scan# 1663
 Delta R.T. 0.00 min
 Lab File: VX010993.D
 Acq: 19 Jul 2019 11:34

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
77	40.2	21.3	64.0	





#77

Bromobenzene

Concen: 5.080 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX010993.D

Acq: 19 Jul 2019 11:34

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT3-2019

Tot Ion:156 Resp: 15210

Ion Ratio Lower Upper

156 100

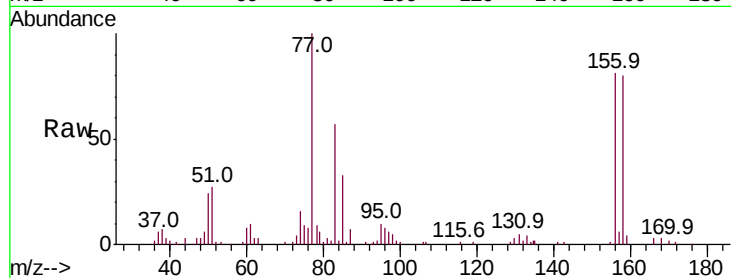
77 137.3 68.7 206.1

158 100.3 47.9 143.7

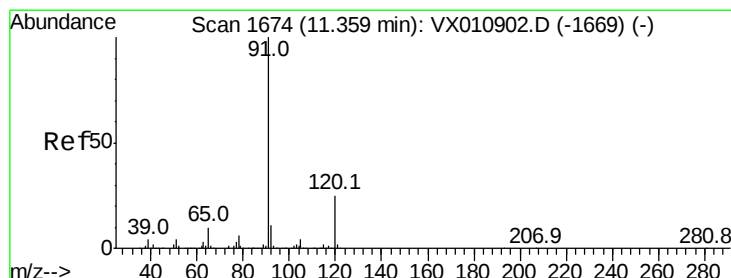
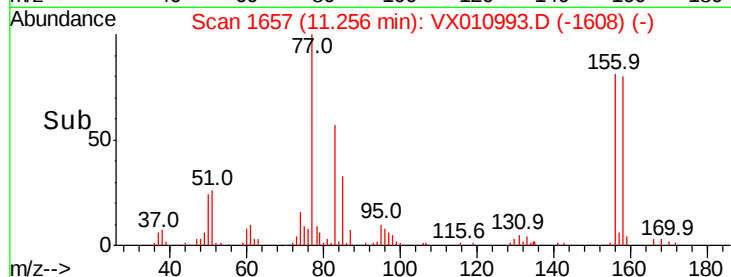
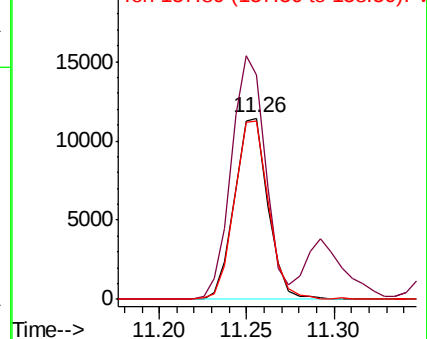
Manual Integrations
APPROVED

MMDadoda

7/22/2019 5:22:39 PM



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



#78

n-propylbenzene

Concen: 5.232 ug/l

RT: 11.35 min Scan# 1673

Delta R.T. -0.01 min

Lab File: VX010993.D

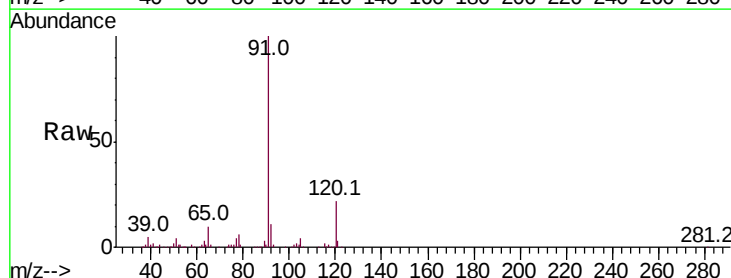
Acq: 19 Jul 2019 11:34

Tgt Ion: 91 Resp: 62750

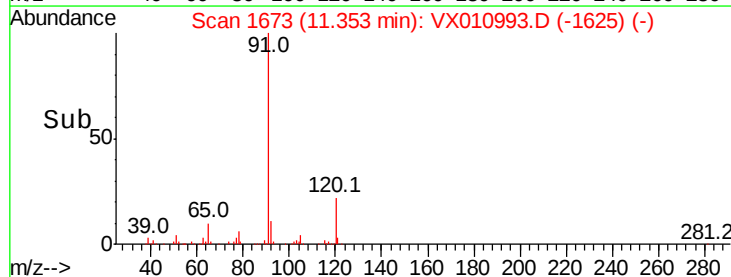
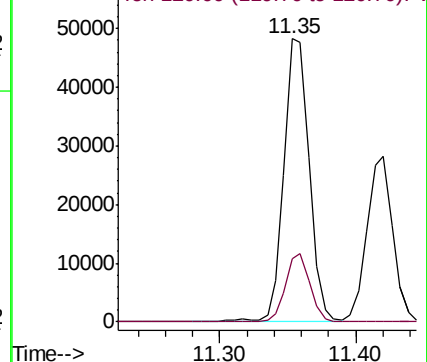
Ion Ratio Lower Upper

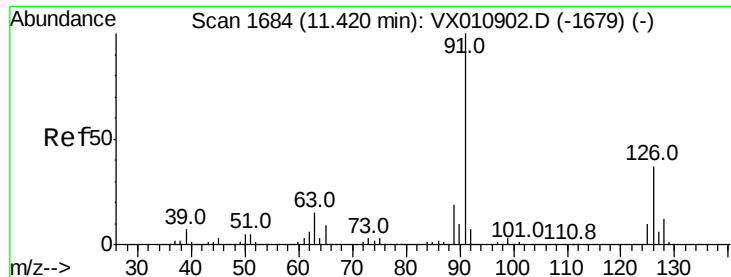
91 100

120 22.9 12.3 36.8



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





#79

2-Chlorotoluene

Concen: 5.128 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX010993.D

Acq: 19 Jul 2019 11:34

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT3-2019

Tot Ion: 91 Resp: 36943

Ion Ratio Lower Upper

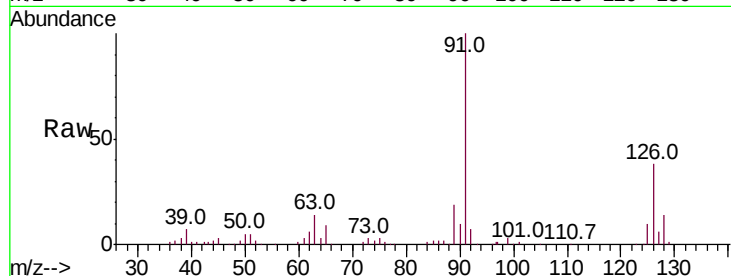
91 100

126 36.3 18.0 54.0

Manual Integrations
APPROVED

MMDadoda

7/22/2019 5:22:39 PM



Abundance Ion 91.00 (90.70 to 91.70): VX010902.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX010902.D (-1679) (-)

50000

40000

30000

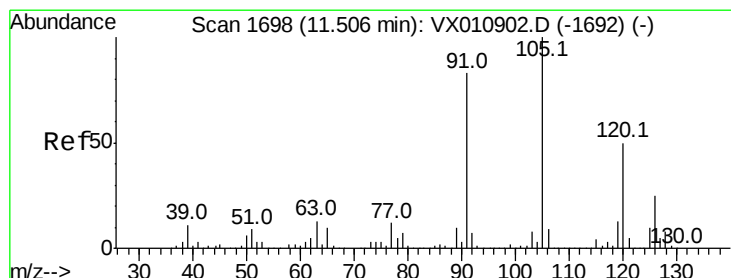
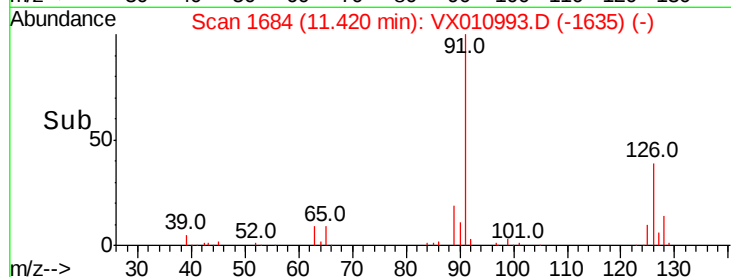
20000

10000

0

11.40 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 5.133 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX010993.D

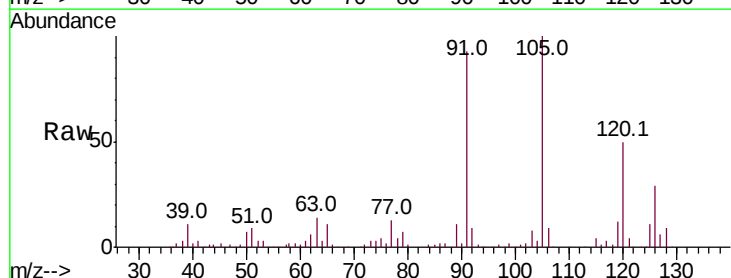
Acq: 19 Jul 2019 11:34

Tgt Ion: 105 Resp: 46556

Ion Ratio Lower Upper

105 100

120 49.1 24.6 73.8



Abundance Ion 105.00 (104.70 to 105.70): VX010902.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX010902.D (-1692) (-)

40000

30000

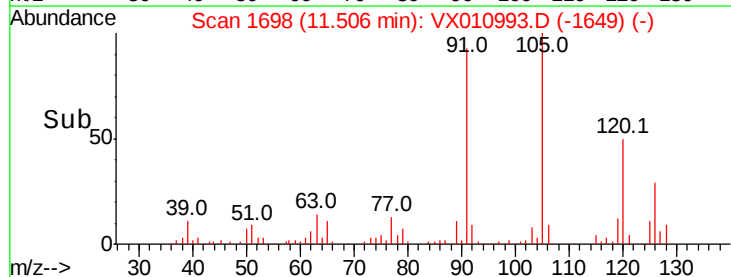
20000

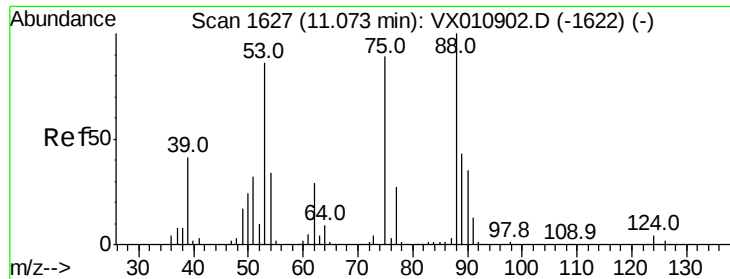
10000

0

11.45 11.50 11.55

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 3.688 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX010993.D

Acq: 19 Jul 2019 11:34

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT3-2019

Tot Ion: 75 Resp: 3885

Ion Ratio Lower Upper

75 100

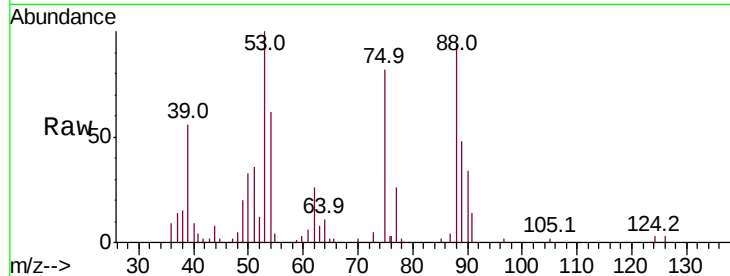
53 117.4 76.7 115.1#

89 51.1 38.5 57.7

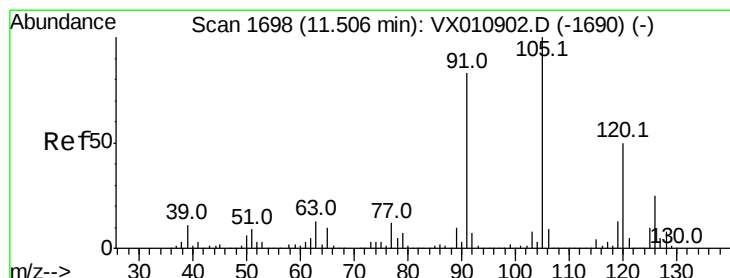
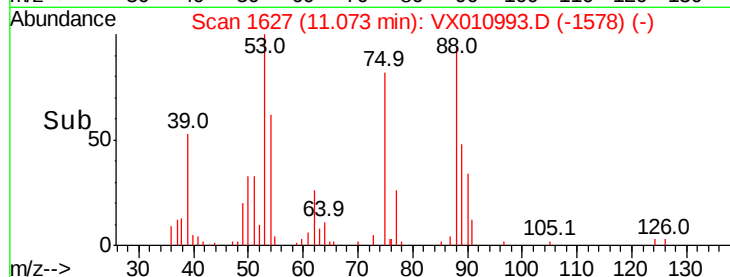
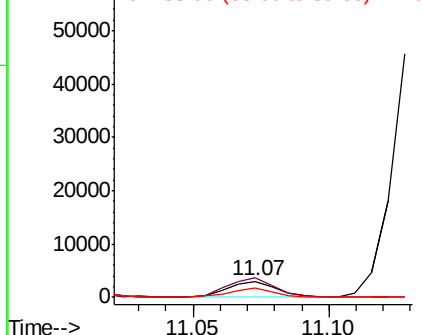
Manual Integrations
APPROVED

MMDadoda

7/22/2019 5:22:39 PM



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 5.054 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX010993.D

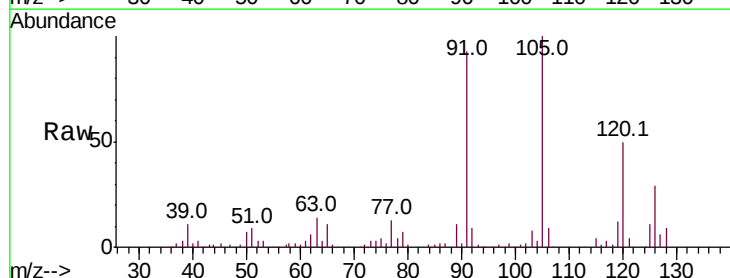
Acq: 19 Jul 2019 11:34

Tgt Ion: 91 Resp: 42378

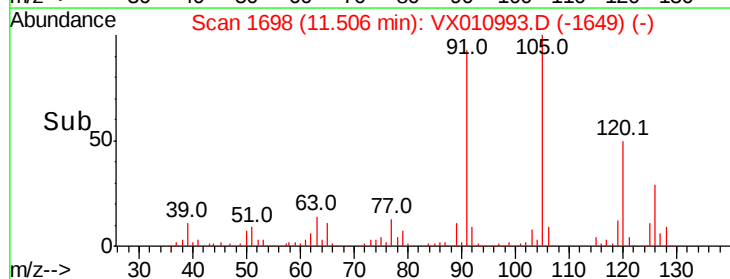
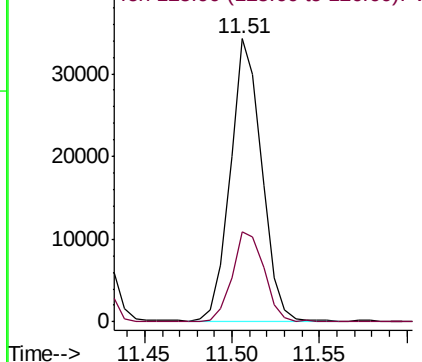
Ion Ratio Lower Upper

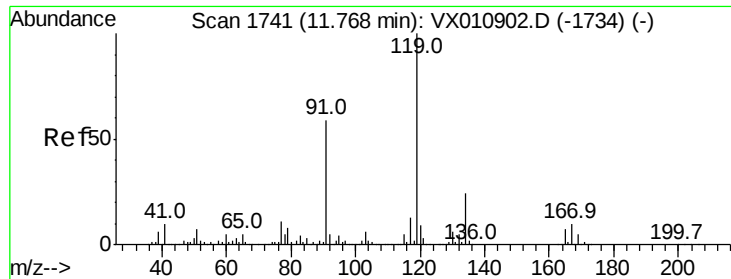
91 100

126 32.7 15.9 47.7



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 125.90 (125.60 to 126.60): V





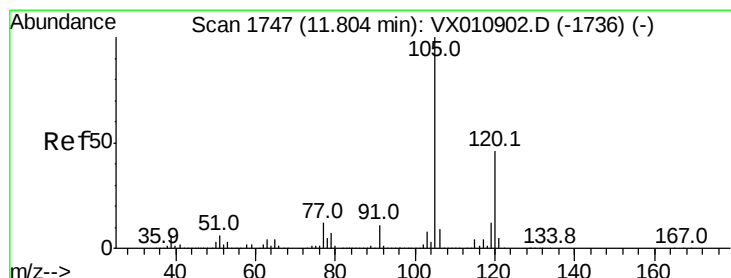
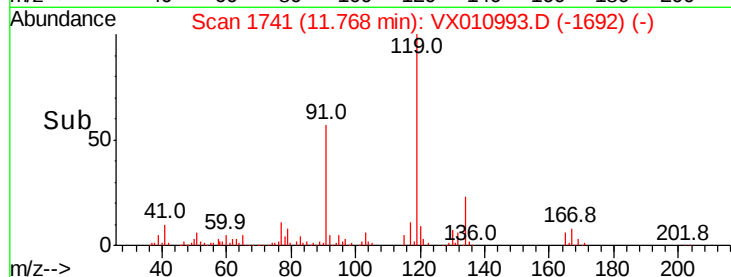
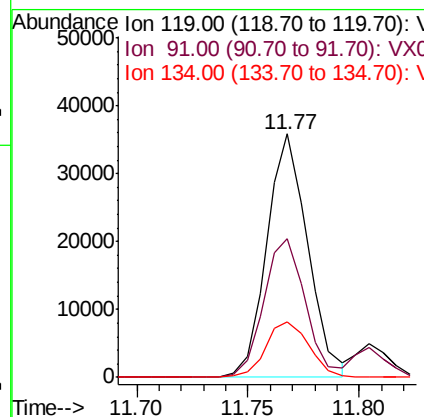
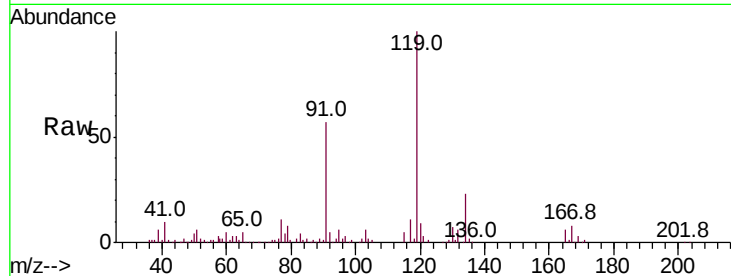
#83
tert-Butylbenzene
Concen: 5.126 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX010993.D
Acq: 19 Jul 2019 11:34

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT3-2019

Tot Ion	Ratio	Lower	Upper
119	100		
91	58.2	28.6	85.8
134	24.2	11.6	34.8

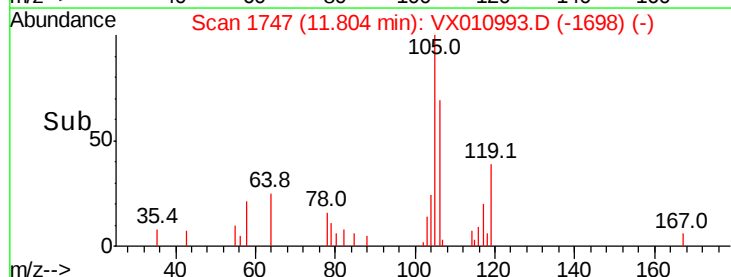
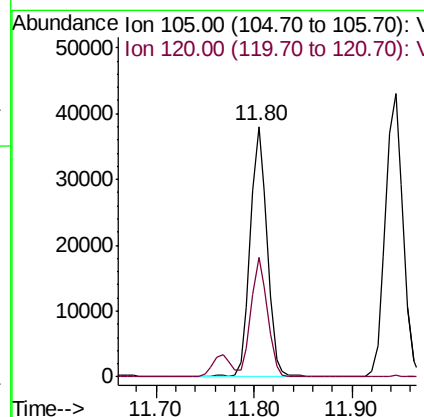
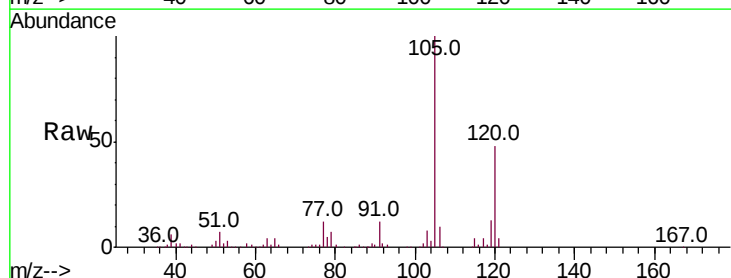
Manual Integrations
APPROVED

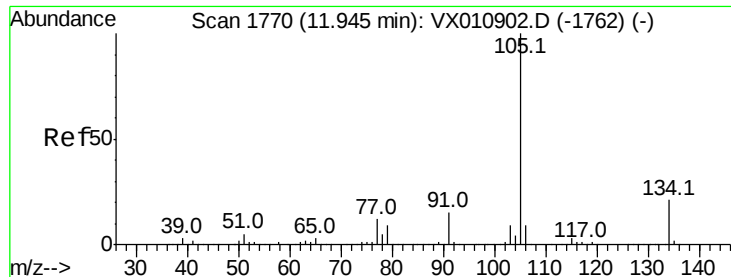
MMDadoda
7/22/2019 5:22:39 PM



#84
1,2,4-Trimethylbenzene
Concen: 5.007 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX010993.D
Acq: 19 Jul 2019 11:34

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.9	22.9	68.5





#85

sec-Butylbenzene

Concen: 5.141 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX010993.D

Acq: 19 Jul 2019 11:34

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT3-2019

Tot Ion:105 Resp: 53663

Ion Ratio Lower Upper

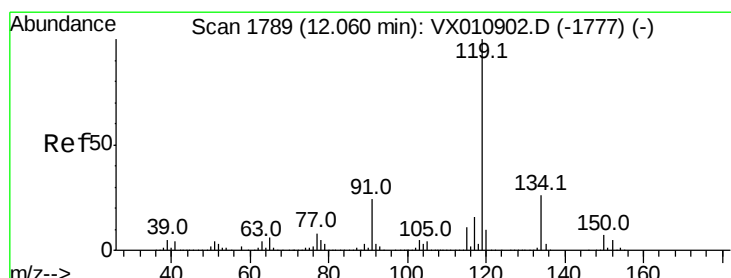
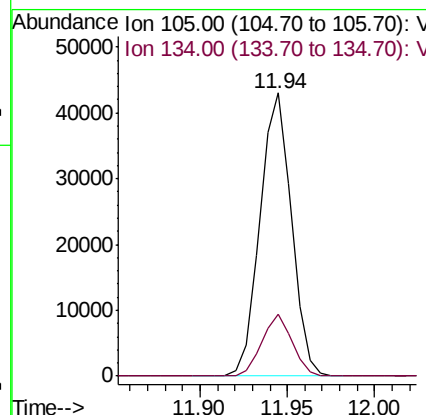
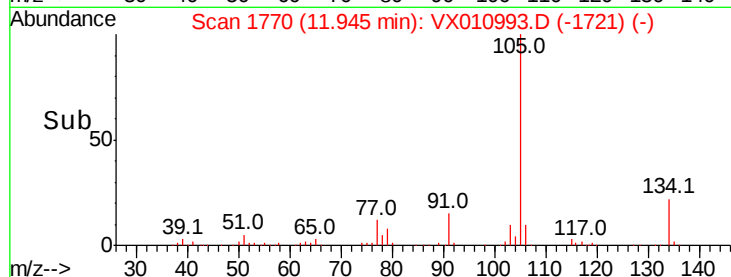
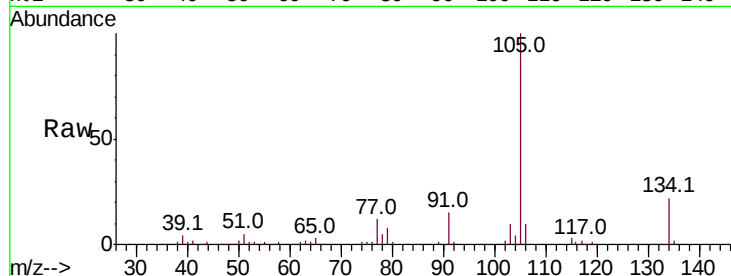
105 100

134 21.2 10.4 31.4

Manual Integrations
APPROVED

MMDadoda

7/22/2019 5:22:39 PM



#86

p-Isopropyltoluene

Concen: 5.018 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX010993.D

Acq: 19 Jul 2019 11:34

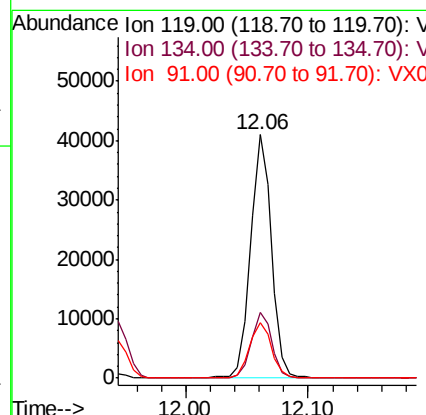
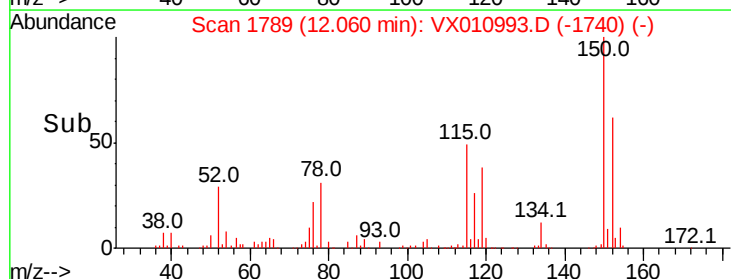
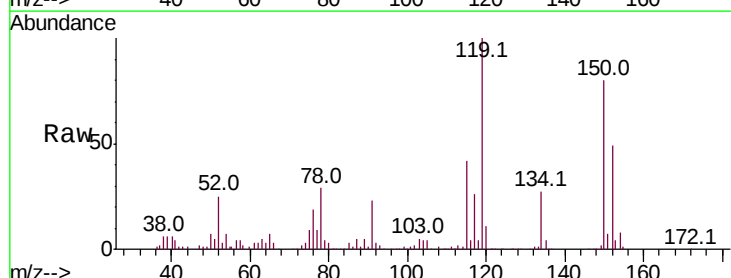
Tgt Ion:119 Resp: 48430

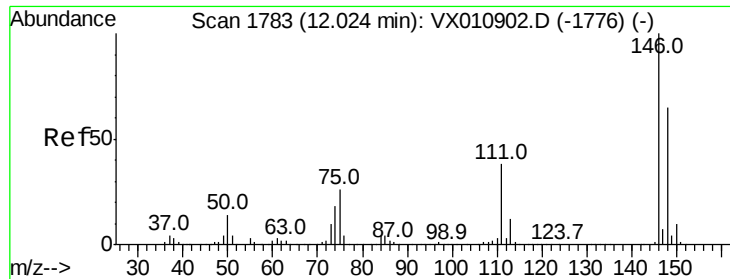
Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.1

91 24.2 11.8 35.4





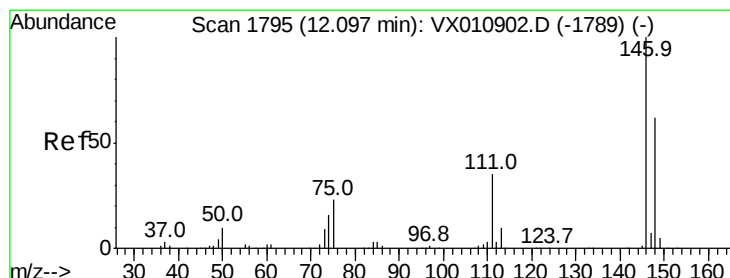
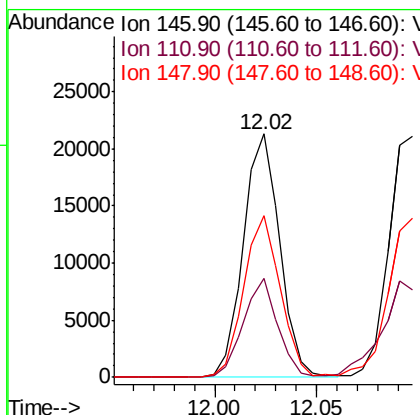
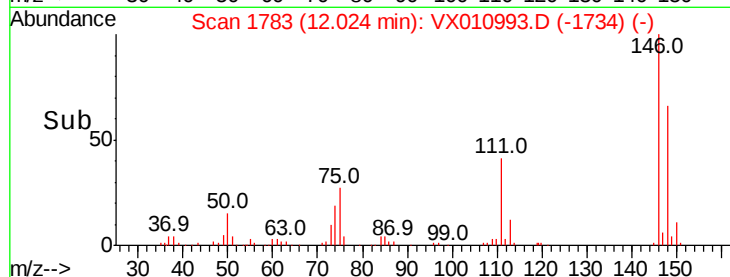
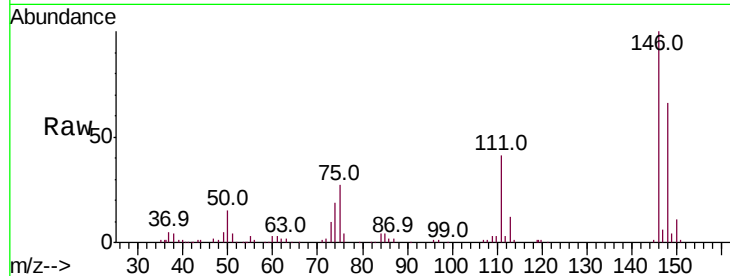
#87
 1,3-Dichlorobenzene
 Concen: 5.087 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX010993.D
 Acq: 19 Jul 2019 11:34

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT3-2019

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	18.9	56.9
148	66.9	32.2	96.6

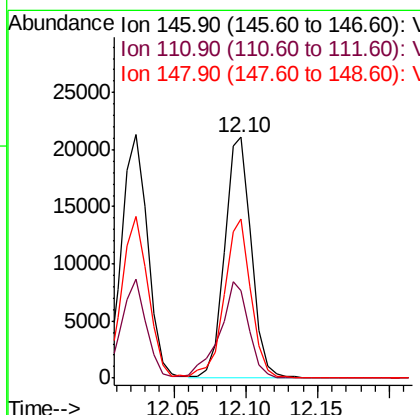
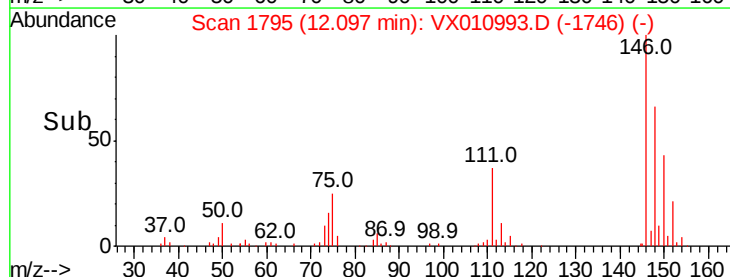
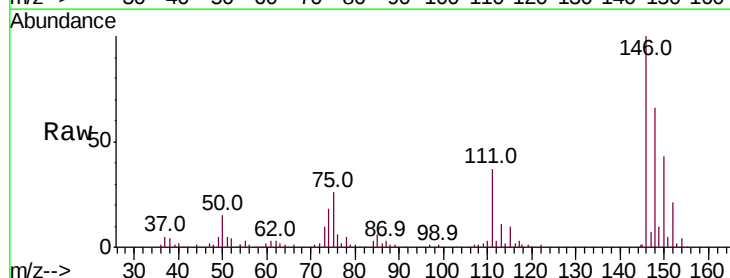
Manual Integrations
 APPROVED

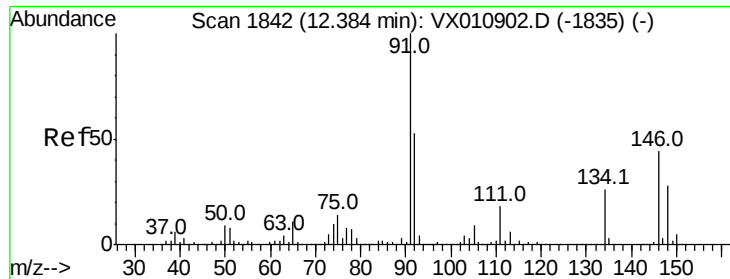
MMDadoda
 7/22/2019 5:22:39 PM



#88
 1,4-Dichlorobenzene
 Concen: 5.169 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX010993.D
 Acq: 19 Jul 2019 11:34

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.9	18.6	55.8
148	66.5	31.6	94.7





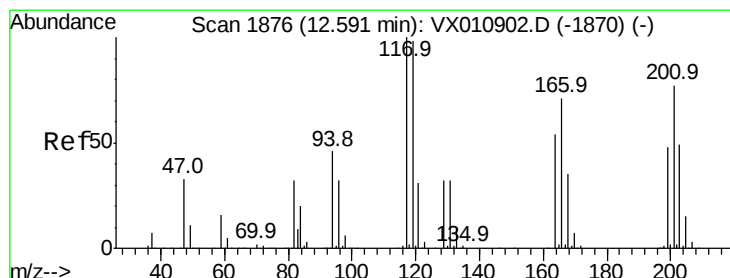
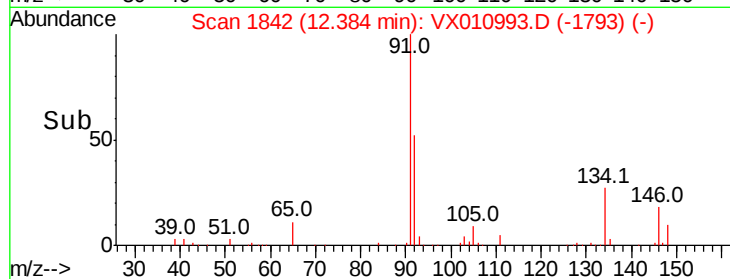
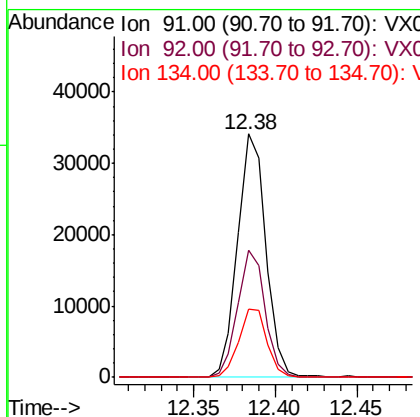
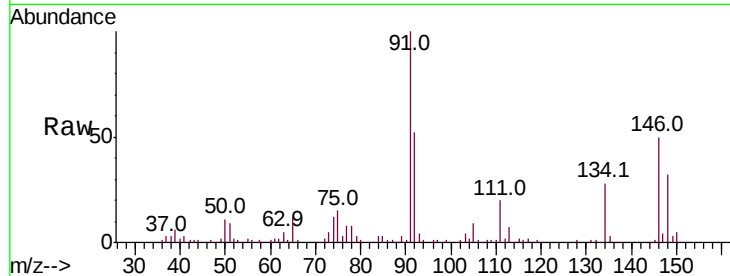
#89
n-Butylbenzene
Concen: 5.025 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX010993.D
Acq: 19 Jul 2019 11:34

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT3-2019

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.7	26.2	78.5
134	28.1	13.8	41.3

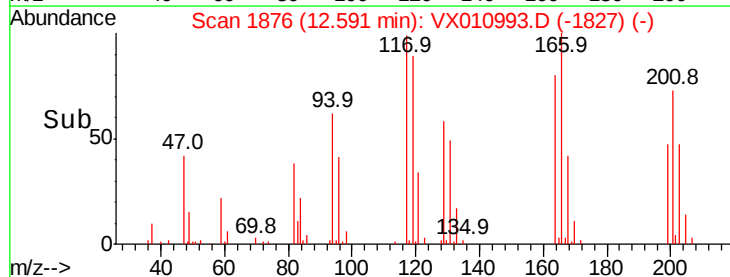
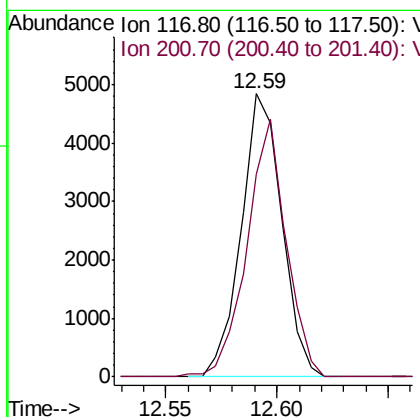
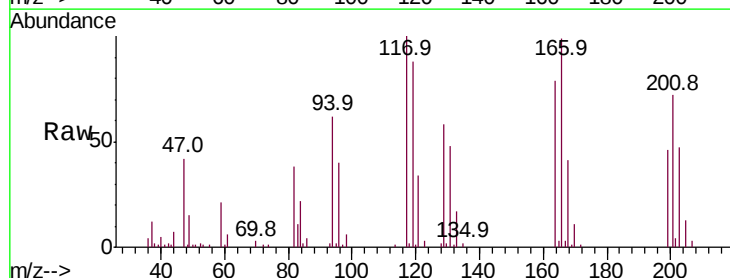
Manual Integrations
APPROVED

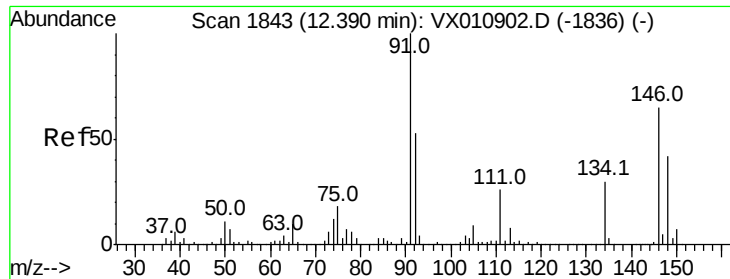
MMDadoda
7/22/2019 5:22:39 PM



#90
Hexachloroethane
Concen: 4.047 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. 0.00 min
Lab File: VX010993.D
Acq: 19 Jul 2019 11:34

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.9	43.3	129.8





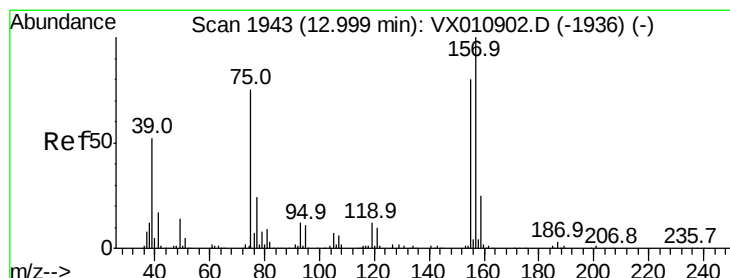
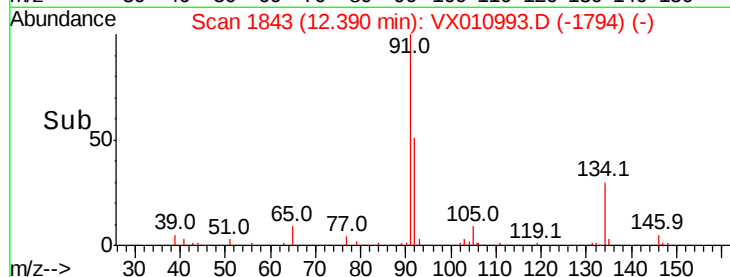
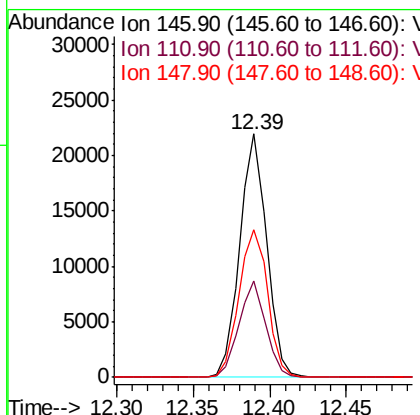
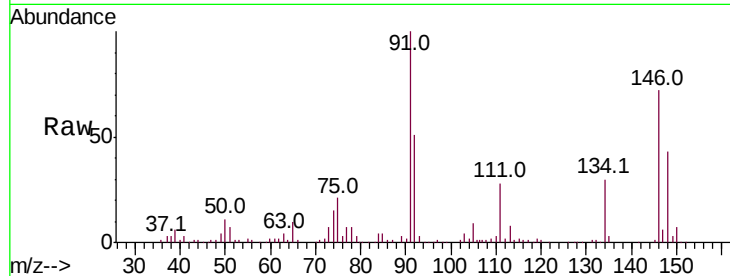
#91
 1,2-Dichlorobenzene
 Concen: 5.224 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX010993.D
 Acq: 19 Jul 2019 11:34

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT3-2019

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.9	59.7
148	64.2	32.0	96.2

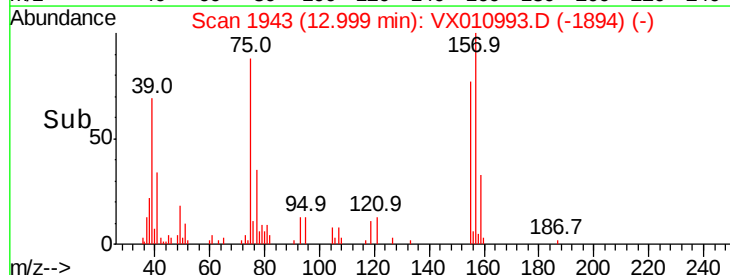
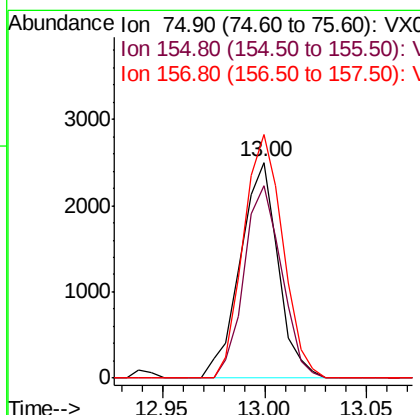
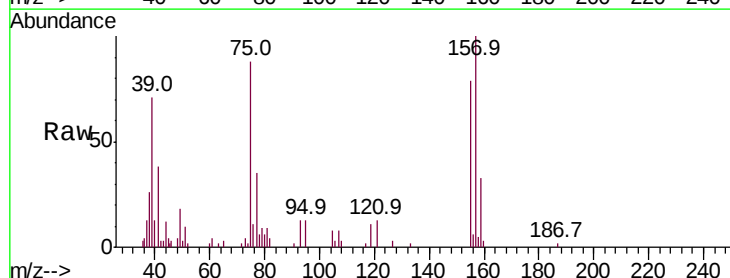
Manual Integrations
 APPROVED

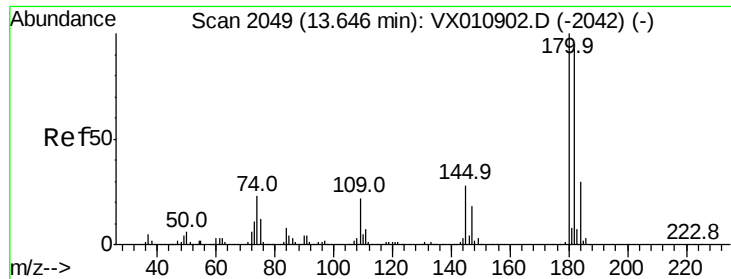
MMDadoda
 7/22/2019 5:22:39 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.360 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX010993.D
 Acq: 19 Jul 2019 11:34

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.2	48.7	146.1
157	117.1	62.5	187.6





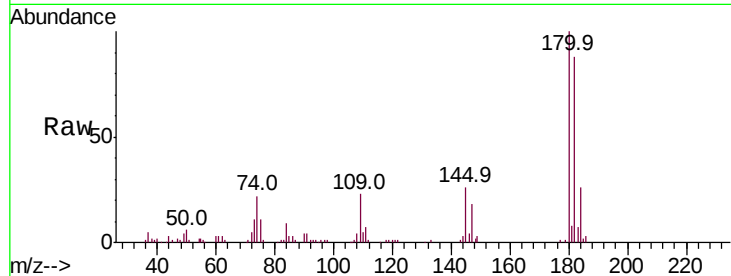
#93
 1,2,4-Trichlorobenzene
 Concen: 5.161 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX010993.D
 Acq: 19 Jul 2019 11:34

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT3-2019

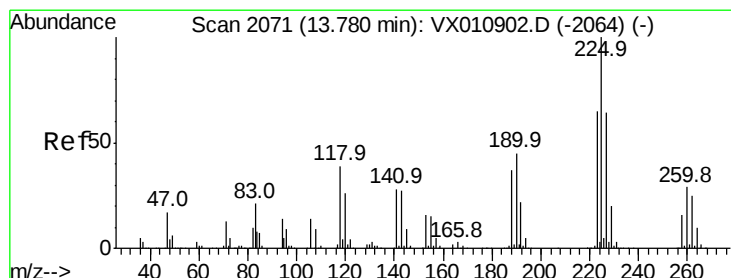
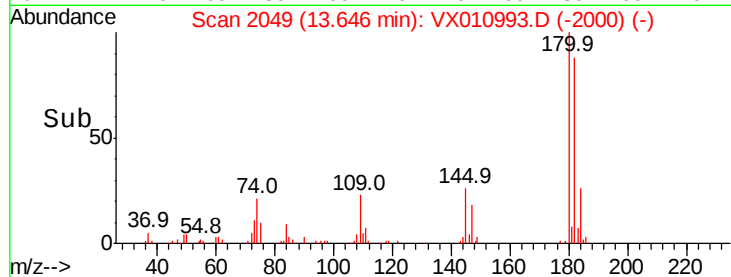
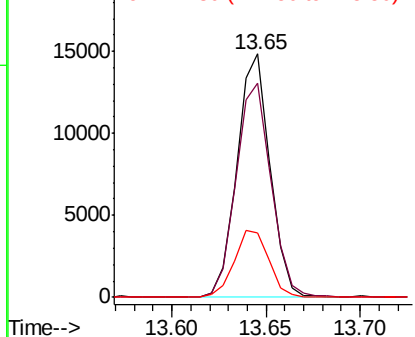
Tot Ion	Ratio	Resp	Lower	Upper
180	100	18010		
182	93.2	47.1	141.3	
145	28.6	14.8	44.4	

Manual Integrations
 APPROVED

MMDadoda
 7/22/2019 5:22:39 PM

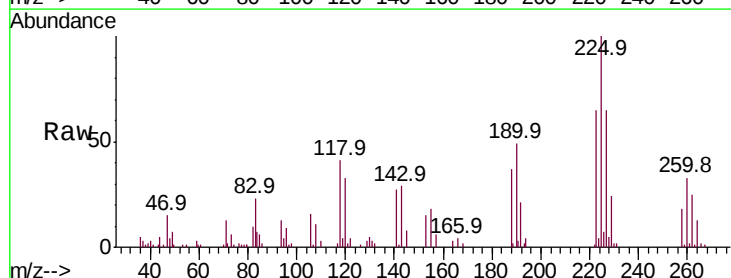


Abundance Ion 179.80 (179.50 to 180.50): V
 20000 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

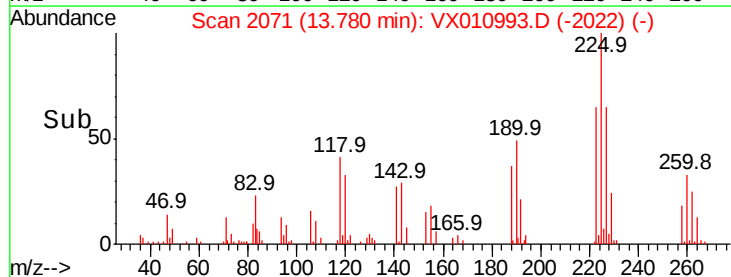
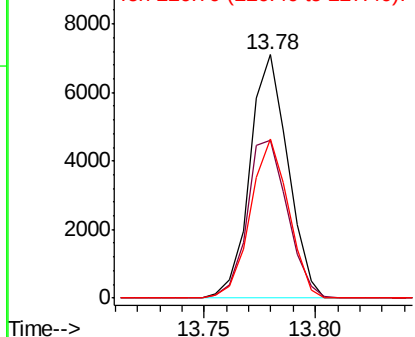


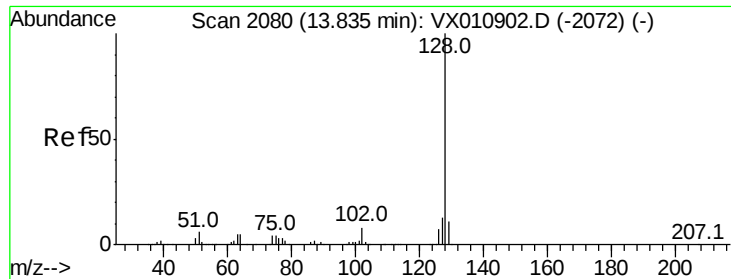
#94
 Hexachlorobutadiene
 Concen: 4.886 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX010993.D
 Acq: 19 Jul 2019 11:34

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	8450		
223	68.9	31.9	95.9	
227	65.2	32.5	97.4	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





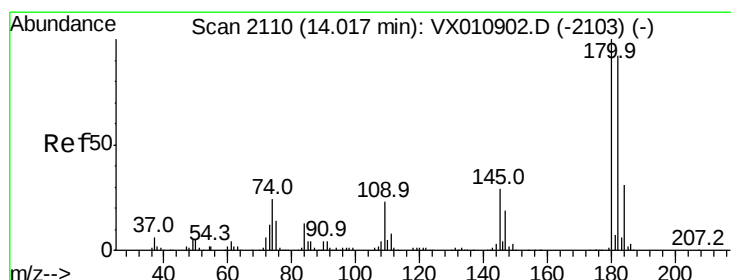
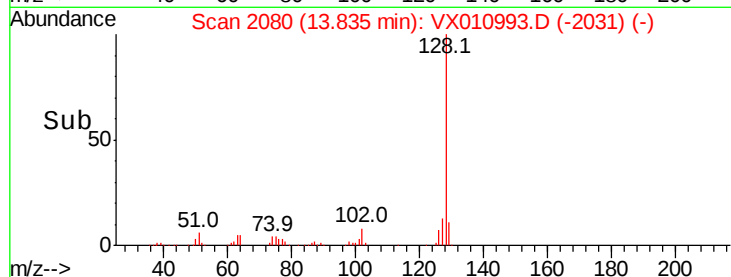
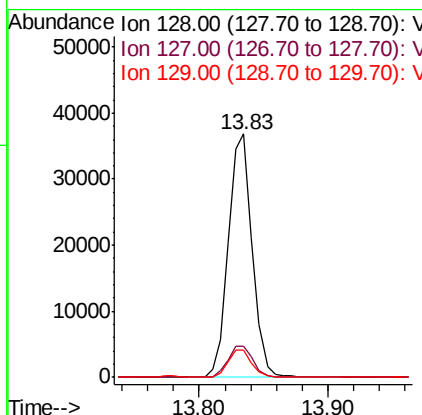
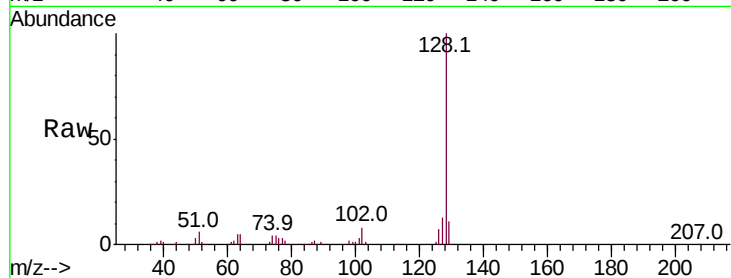
#95
Naphthalene
Concen: 4.662 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX010993.D
Acq: 19 Jul 2019 11:34

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT3-2019

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.4	15.6
129	11.4	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
7/22/2019 5:22:39 PM



#96
1,2,3-Trichlorobenzene
Concen: 5.126 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX010993.D
Acq: 19 Jul 2019 11:34

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.4	142.3
145	29.8	15.1	45.3

