

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX101218\
 Data File : VX005298.D
 Acq On : 12 Oct 2018 17:25
 Operator : JC/MD
 Sample : J5164-08 2ppb
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT4-2018

Manual Integrations
 APPROVED

MMDadoda
 10/17/2018 9:05:15 AM

Quant Time: Oct 15 02:25:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 12 11:28:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	181861	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	323669	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	290601	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	152346	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	145202	71.94	ug/l	0.00
Spiked Amount			Recovery	=	143.88%	
35) Dibromofluoromethane	5.50	113	107097	49.96	ug/l	0.00
Spiked Amount			Recovery	=	99.92%	
50) Toluene-d8	8.71	98	356479	48.44	ug/l	0.00
Spiked Amount			Recovery	=	96.88%	
62) 4-Bromofluorobenzene	11.14	95	129066	46.68	ug/l	0.00
Spiked Amount			Recovery	=	93.36%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	2175	1.53	ug/l	98
3) Chloromethane	1.32	50	5247	2.55	ug/l	98
4) Vinyl Chloride	1.40	62	4469	2.14	ug/l	96
5) Bromomethane	1.64	94	3961	3.91	ug/l	93
6) Chloroethane	1.71	64	2993	2.53	ug/l	96
7) Trichlorofluoromethane	1.92	101	5302	1.90	ug/l	94
8) Diethyl Ether	2.19	74	3345	2.81	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.38	101	2867	1.78	ug/l	98
12) 1,1-Dichloroethene	2.37	96	3548	2.23	ug/l	95
14) Allyl chloride	2.72	41	8783	2.51	ug/l	95
15) Acrylonitrile	3.15	53	19194	14.88	ug/l	99
16) Acetone	2.45	43	17685	15.15	ug/l	95
17) Carbon Disulfide	2.56	76	10408	2.16	ug/l #	94
18) Methyl Acetate	2.78	43	11683	3.52	ug/l	97
19) Methyl tert-butyl Ether	3.20	73	16112	2.87	ug/l	93
20) Methylene Chloride	2.85	84	6031	2.30	ug/l	84
21) trans-1,2-Dichloroethene	3.16	96	4603	2.61	ug/l	85
22) Diisopropyl ether	3.87	45	14614	2.49	ug/l	94
23) Vinyl Acetate	3.83	43	65760	12.81	ug/l #	91
24) 1,1-Dichloroethane	3.69	63	8814	2.62	ug/l	97
25) 2-Butanone	4.70	43	24400	14.29	ug/l	90
26) 2,2-Dichloropropane	4.59	77	5657	2.25	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	5139	2.68	ug/l	59
28) Bromochloromethane	5.02	49	4508	2.94	ug/l	94
29) Tetrahydrofuran	5.17	42	15227	13.98	ug/l	93
30) Chloroform	5.21	83	8691	2.78	ug/l	86
31) Cyclohexane	5.57	56	4519m	1.63	ug/l	
32) 1,1,1-Trichloroethane	5.49	97	6327	2.33	ug/l	96
36) 1,1-Dichloropropene	5.80	75	5783	1.84	ug/l	95
37) Ethyl Acetate	4.86	43	8539	2.12	ug/l	97
38) Carbon Tetrachloride	5.78	117	5407	1.72	ug/l #	81
39) Methylcyclohexane	7.46	83	3536	1.04	ug/l #	81
40) Benzene	6.14	78	18456	1.96	ug/l #	84
41) Methacrylonitrile	5.06	41	4521	2.09	ug/l #	92

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX101218\
 Data File : VX005298.D
 Acq On : 12 Oct 2018 17:25
 Operator : JC/MD
 Sample : J5164-08 2ppb
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT4-2018

Manual Integrations
 APPROVED

MMDadoda
 10/17/2018 9:05:15 AM

Quant Time: Oct 15 02:25:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 12 11:28:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,2-Dichloroethane	6.20	62	7020	2.11	ug/l	98
43) Isopropyl Acetate	6.46	43	11126	2.07	ug/l	97
44) Trichloroethene	7.21	130	6542	2.13	ug/l	98
45) 1,2-Dichloropropane	7.51	63	4794	2.08	ug/l	96
46) Dibromomethane	7.66	93	3376	2.22	ug/l	96
47) Bromodichloromethane	7.90	83	5573	1.98	ug/l	98
48) Methyl methacrylate	7.78	41	5399	1.94	ug/l	93
49) 1,4-Dioxane	7.76	88	2746	42.75	ug/l #	84
51) 4-Methyl-2-Pentanone	8.65	43	36828	9.90	ug/l	93
52) Toluene	8.79	92	10484	2.04	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	5624	1.85	ug/l	98
54) cis-1,3-Dichloropropene	8.44	75	6410	1.94	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	4644	2.13	ug/l	94
56) Ethyl methacrylate	9.18	69	6293	1.98	ug/l	88
57) 1,3-Dichloropropane	9.37	76	7756	2.13	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.32	63	16478	9.25	ug/l	95
59) 2-Hexanone	9.50	43	29802	9.96	ug/l	88
60) Dibromochloromethane	9.59	129	4383	1.95	ug/l	100
61) 1,2-Dibromoethane	9.67	107	4773	2.09	ug/l	94
64) Tetrachloroethene	9.34	164	4424	1.89	ug/l	89
65) Chlorobenzene	10.14	112	12588	2.04	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	4319	1.96	ug/l	93
67) Ethyl Benzene	10.25	91	17559	1.75	ug/l	96
68) m/p-Xylenes	10.36	106	13228	3.39	ug/l	99
69) o-Xylene	10.70	106	6622	1.76	ug/l	99
70) Styrene	10.71	104	10271	1.66	ug/l	98
71) Bromoform	10.86	173	3718	1.89	ug/l #	99
73) Isopropylbenzene	11.02	105	14894	1.64	ug/l	98
74) N-amyl acetate	10.90	43	8191	1.88	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	11.27	83	7849	2.30	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	7351m	2.49	ug/l	
77) Bromobenzene	11.26	156	5711	2.21	ug/l	97
78) n-propylbenzene	11.36	91	18070	1.73	ug/l	99
79) 2-Chlorotoluene	11.42	91	12621	1.98	ug/l	97
80) 1,3,5-Trimethylbenzene	11.51	105	13439	1.73	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.08	75	1765m	1.81	ug/l	
82) 4-Chlorotoluene	11.51	91	14258	1.88	ug/l	98
83) tert-Butylbenzene	11.77	119	13068	1.66	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	13658	1.71	ug/l	99
85) sec-Butylbenzene	11.94	105	13605	1.46	ug/l	100
86) p-Isopropyltoluene	12.07	119	12659	1.51	ug/l	94
87) 1,3-Dichlorobenzene	12.03	146	10025	2.07	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	11329	2.29	ug/l	86
89) n-Butylbenzene	12.39	91	11002	1.44	ug/l	94
90) Hexachloroethane	12.60	117	2448	1.69	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	10707	2.17	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	1827	2.19	ug/l	96
93) 1,2,4-Trichlorobenzene	13.65	180	7123	1.97	ug/l	98
94) Hexachlorobutadiene	13.79	225	2660	1.39	ug/l	97
95) Naphthalene	13.83	128	19028	1.81	ug/l	98

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX101218\
Data File : VX005298.D
Acq On : 12 Oct 2018 17:25
Operator : JC/MD
Sample : J5164-08 2ppb
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2018

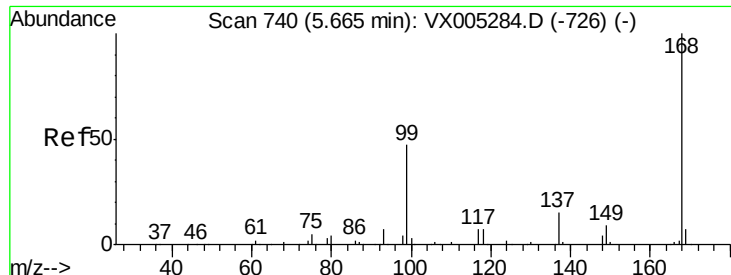
Manual Integrations
APPROVED

MMDadoda
10/17/2018 9:05:15 AM

Quant Time: Oct 15 02:25:17 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 12 11:28:43 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	14.02	180	7308	1.97	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX005298.D

Acq: 12 Oct 2018 17:25

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT4-2018

Tgt Ion:168 Resp: 181861

Ion Ratio Lower Upper

168 100

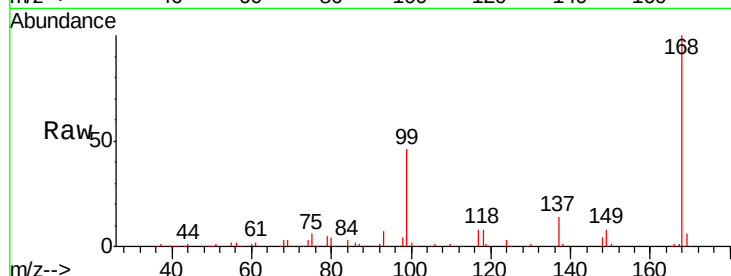
99 46.3 39.9 59.9

Manual Integrations

APPROVED

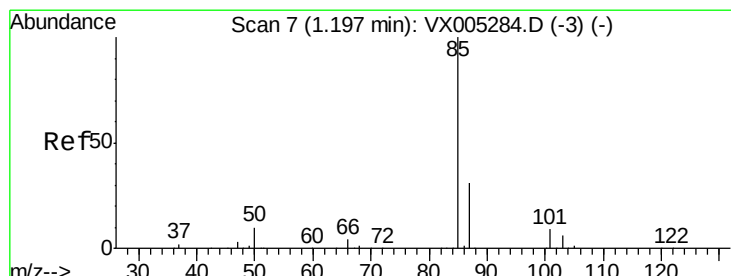
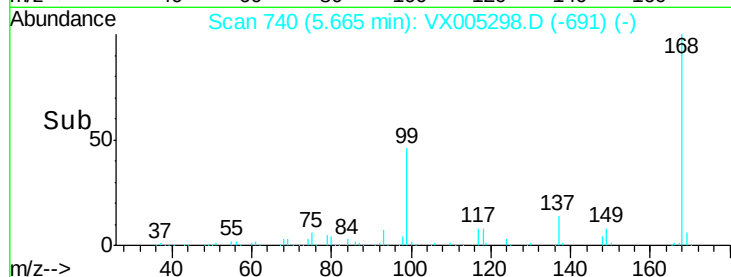
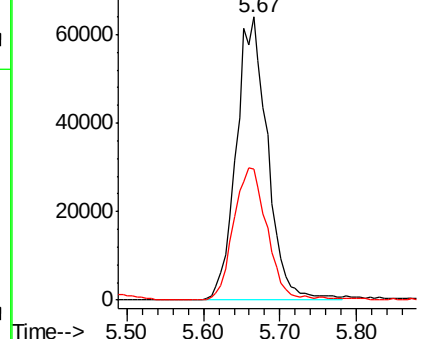
MMDadoda

10/17/2018 9:05:15 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 1.53 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX005298.D

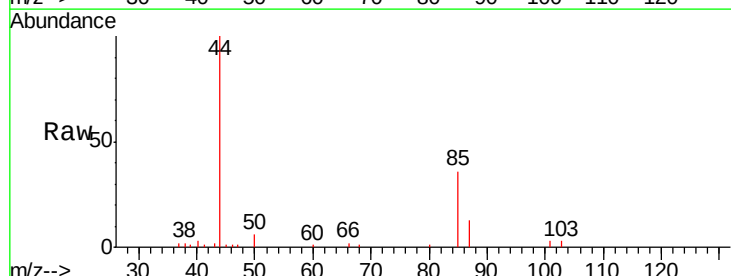
Acq: 12 Oct 2018 17:25

Tgt Ion: 85 Resp: 2175

Ion Ratio Lower Upper

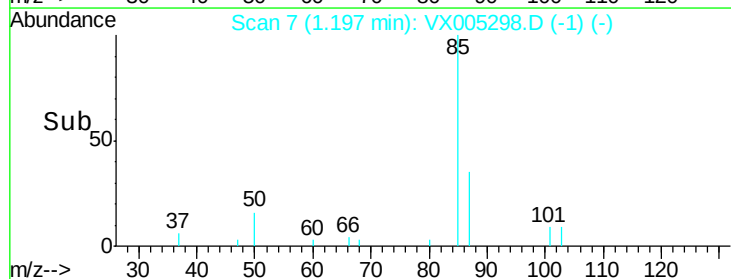
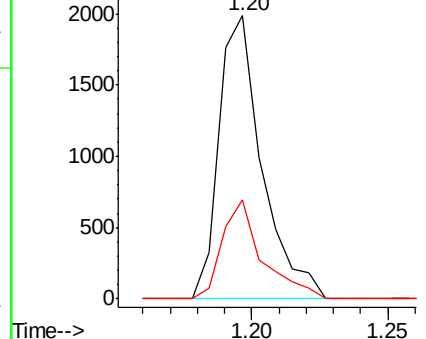
85 100

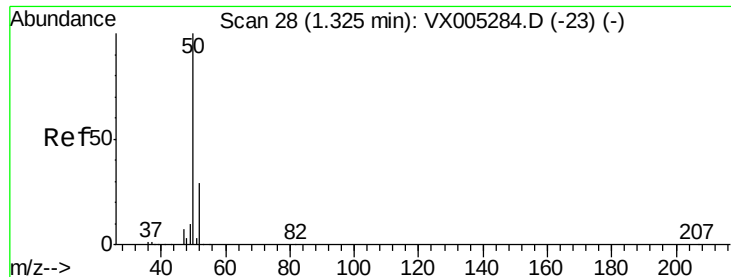
87 34.8 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 2.55 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX005298.D

Acq: 12 Oct 2018 17:25

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT4-2018

Tgt Ion: 50 Resp: 5247

Ion Ratio Lower Upper

50 100

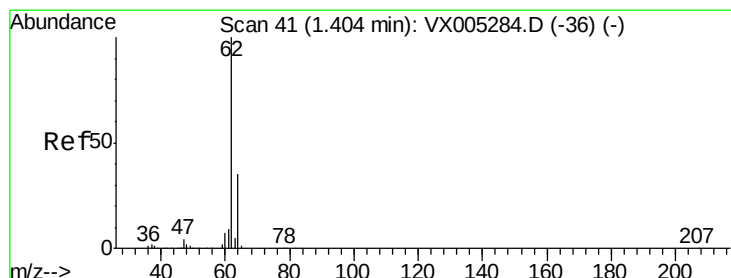
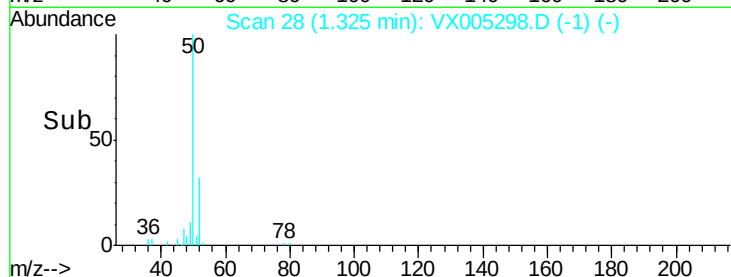
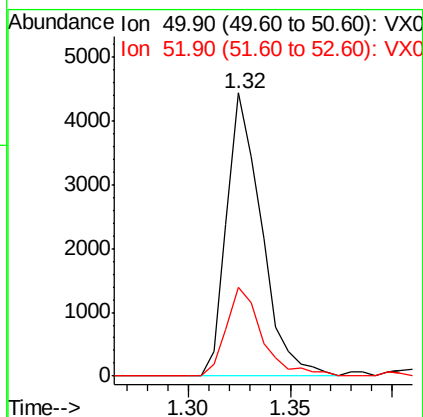
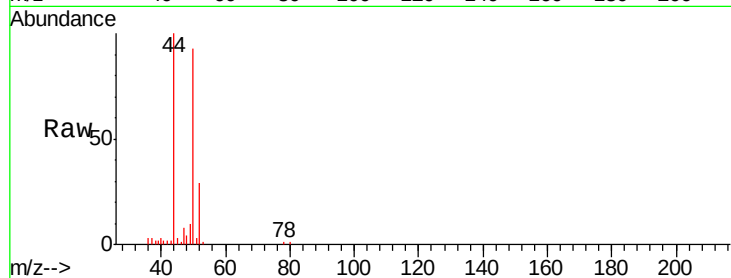
52 31.6 26.2 39.2

Manual Integrations

APPROVED

MMDadoda

10/17/2018 9:05:15 AM



#4

Vinyl Chloride

Concen: 2.14 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX005298.D

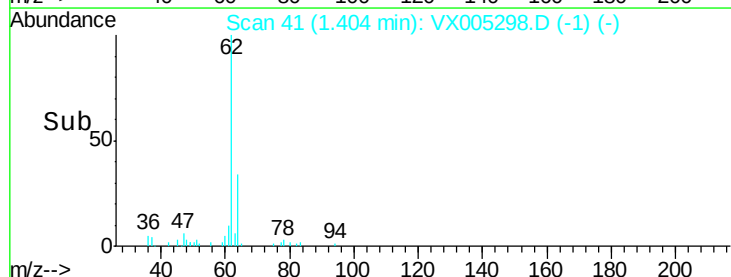
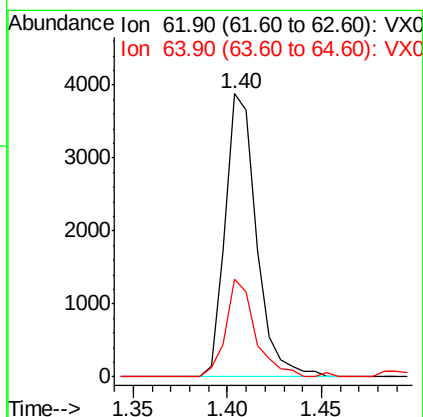
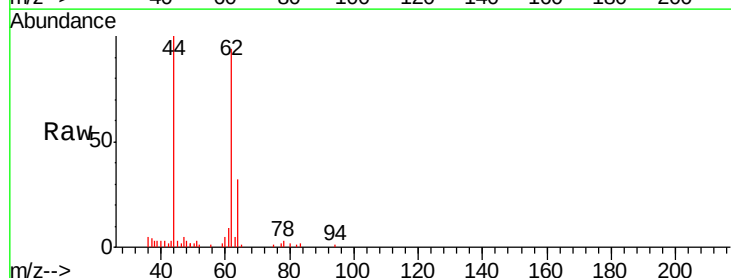
Acq: 12 Oct 2018 17:25

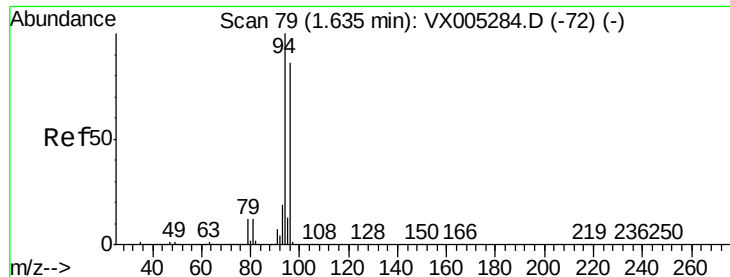
Tgt Ion: 62 Resp: 4469

Ion Ratio Lower Upper

62 100

64 34.3 25.8 38.8





#5

Bromomethane

Concen: 3.91 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX005298.D

Acq: 12 Oct 2018 17:25

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT4-2018

Tgt Ion: 94 Resp: 3961

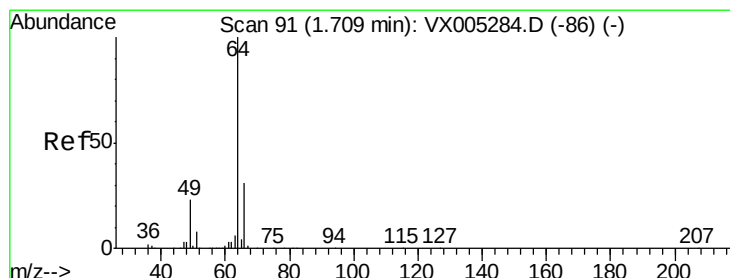
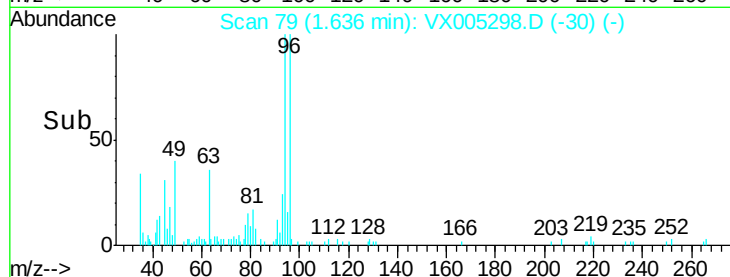
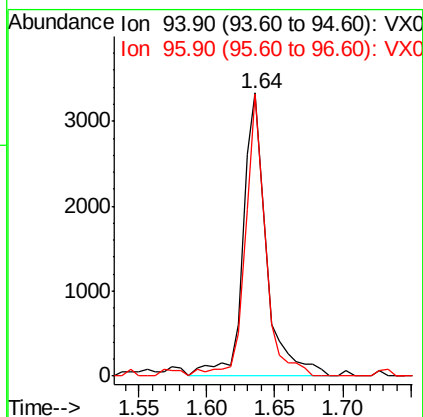
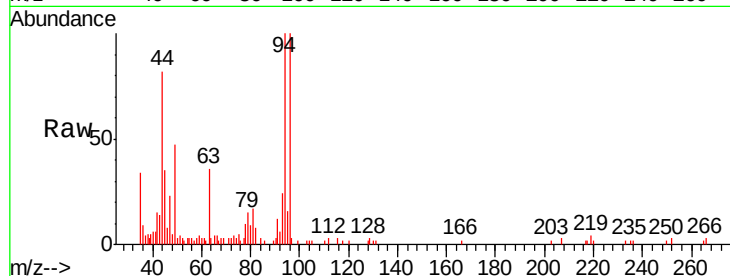
Ion Ratio Lower Upper

94 100

96 99.6 74.5 111.7

Manual Integrations
APPROVED

MMDadoda
10/17/2018 9:05:15 AM



#6

Chloroethane

Concen: 2.53 ug/l

RT: 1.71 min Scan# 91

Delta R.T. 0.00 min

Lab File: VX005298.D

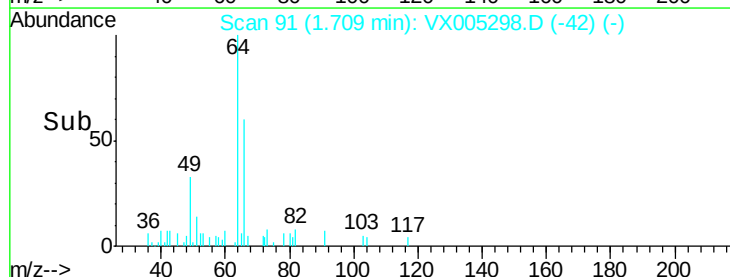
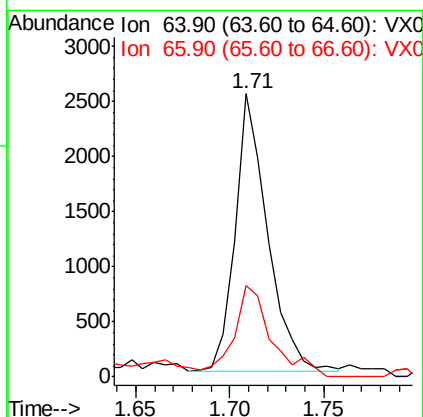
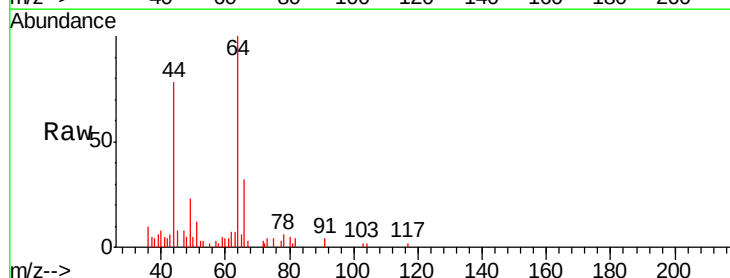
Acq: 12 Oct 2018 17:25

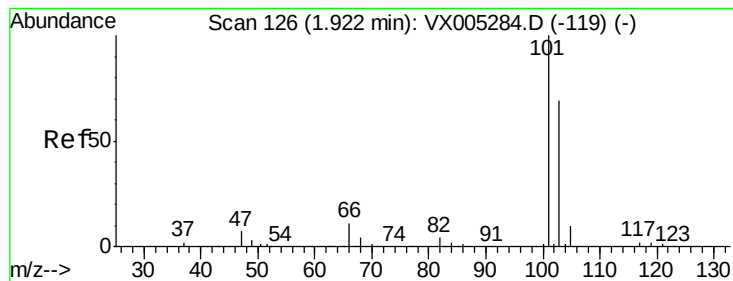
Tgt Ion: 64 Resp: 2993

Ion Ratio Lower Upper

64 100

66 33.2 24.6 36.8





#7

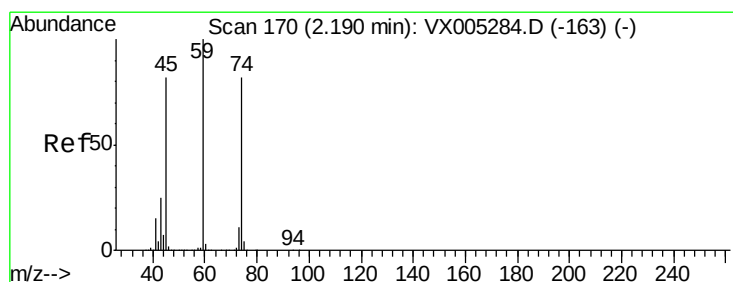
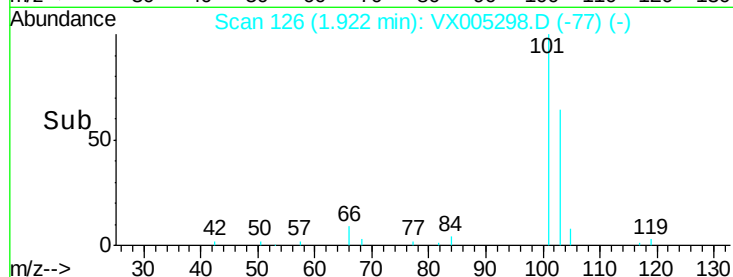
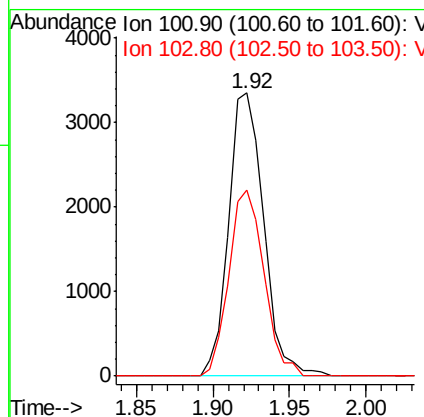
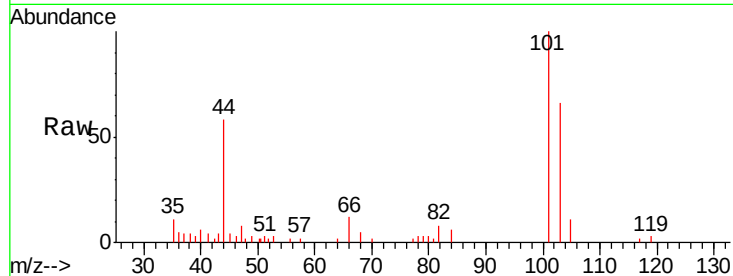
Trichlorofluoromethane
Concen: 1.90 ug/l
RT: 1.92 min Scan# 126
Delta R.T. 0.00 min
Lab File: VX005298.D
Acq: 12 Oct 2018 17:25

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2018

Tgt Ion: 101 Resp: 5302
Ion Ratio Lower Upper
101 100
103 65.6 48.9 73.3

Manual Integrations
APPROVED

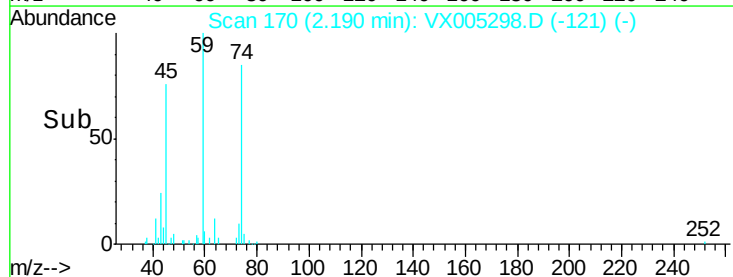
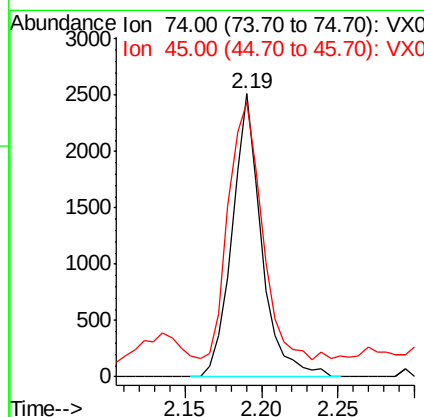
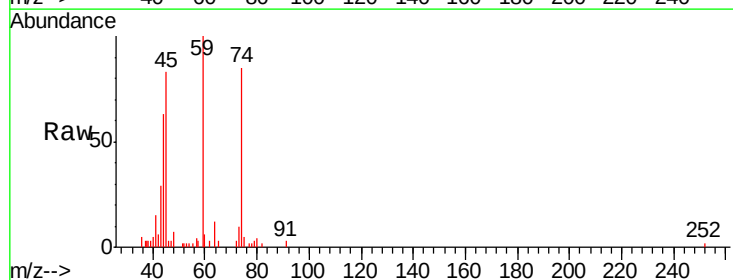
MMDadoda
10/17/2018 9:05:15 AM

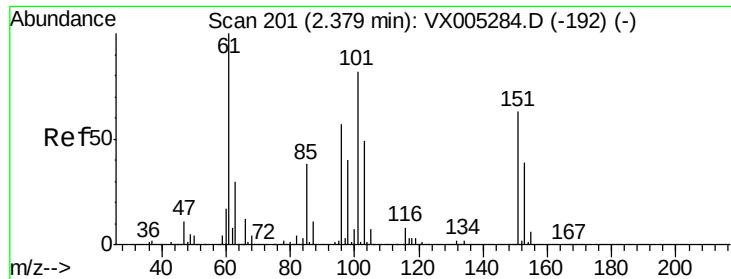


#8

Diethyl Ether
Concen: 2.81 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX005298.D
Acq: 12 Oct 2018 17:25

Tgt Ion: 74 Resp: 3345
Ion Ratio Lower Upper
74 100
45 103.6 48.3 144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.78 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX005298.D

Acq: 12 Oct 2018 17:25

Instrument :

MSVOA_X

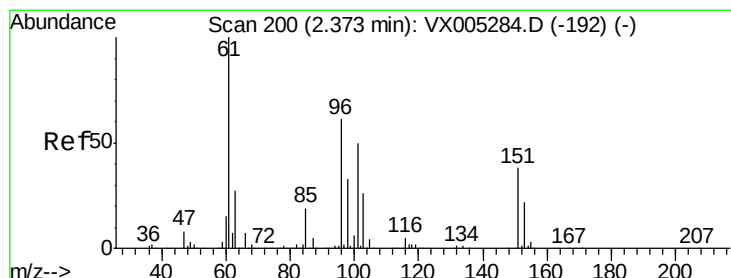
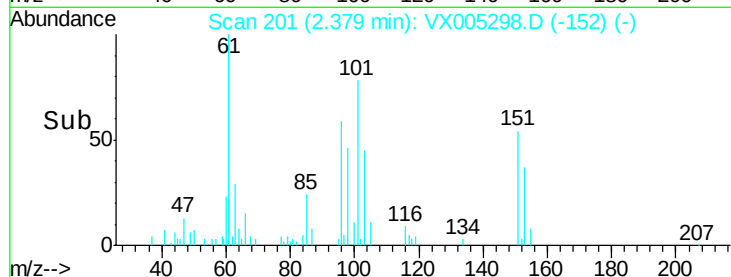
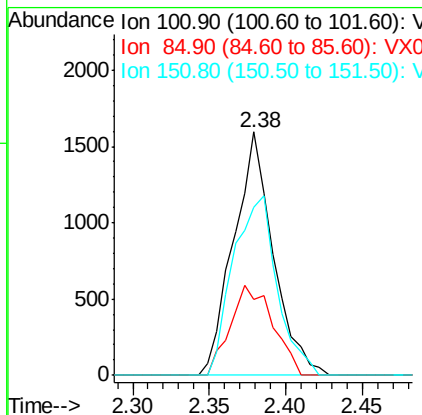
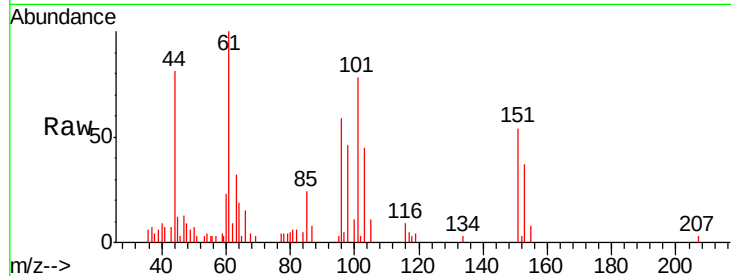
ClientSampleId :

LOQ-WATER-02-QT4-2018

Tgt Ion:	101	Resp:	2867
Ion Ratio	Lower	Upper	
101	100		
85	39.8	34.2	51.4
151	81.4	65.0	97.6

Manual Integrations
APPROVED

MMDadoda
10/17/2018 9:05:15 AM



#12

1,1-Dichloroethene

Concen: 2.23 ug/l

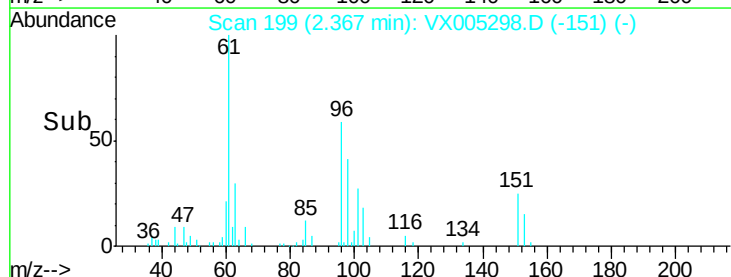
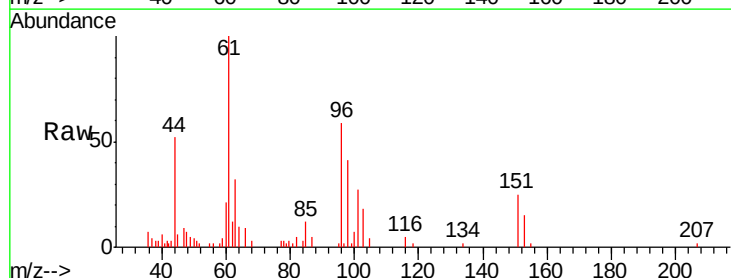
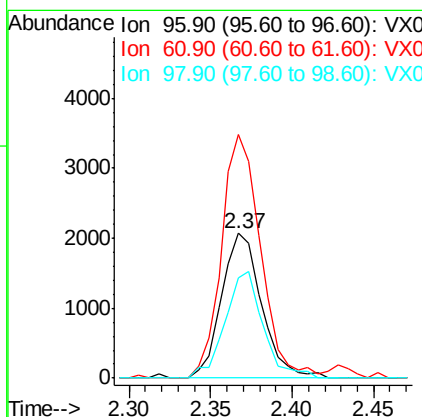
RT: 2.37 min Scan# 199

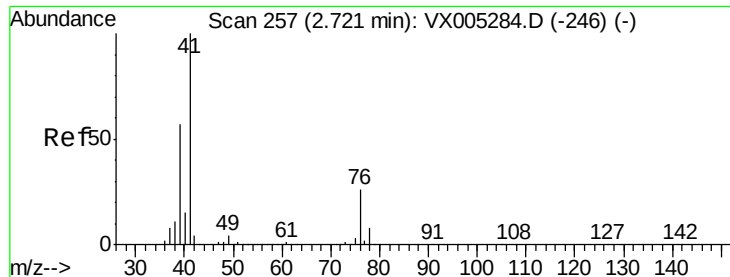
Delta R.T. -0.01 min

Lab File: VX005298.D

Acq: 12 Oct 2018 17:25

Tgt Ion:	96	Resp:	3548
Ion Ratio	Lower	Upper	
96	100		
61	168.5	128.8	193.2
98	69.0	52.2	78.2





#14

Allyl chloride

Concen: 2.51 ug/l

RT: 2.72 min Scan# 257

Delta R.T. 0.00 min

Lab File: VX005298.D

Acq: 12 Oct 2018 17:25

Instrument :

MSVOA_X

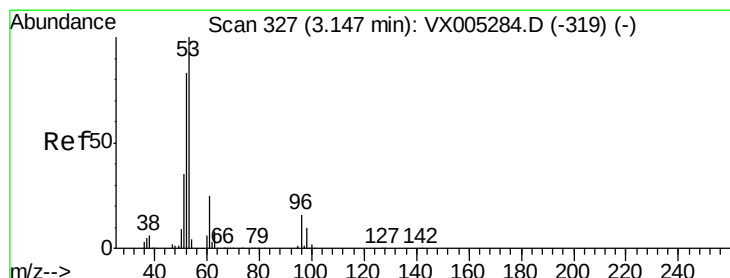
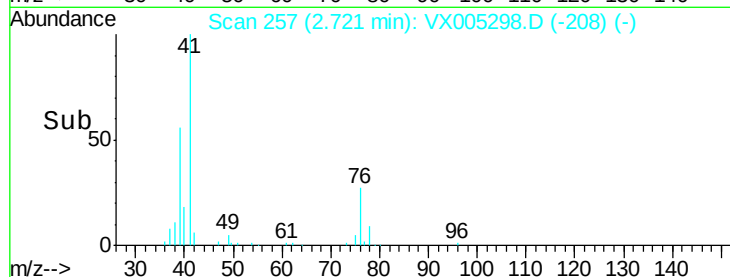
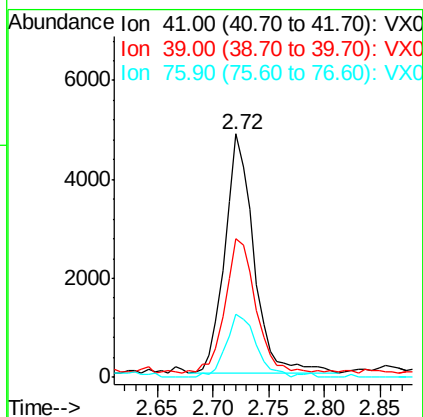
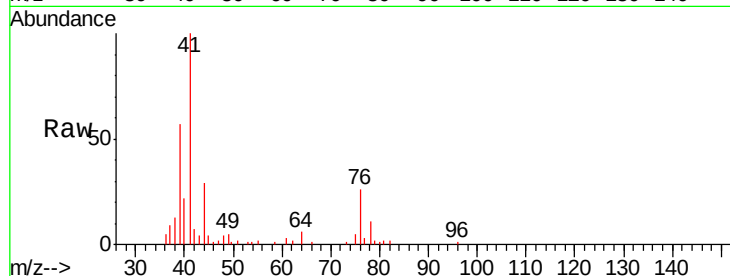
ClientSampleId :

LOQ-WATER-02-QT4-2018

Tgt Ion:	41	Resp:	8783
Ion	Ratio	Lower	Upper
41	100		
39	59.1	48.9	73.3
76	27.5	26.7	40.1

Manual Integrations
APPROVED

MMDadoda
10/17/2018 9:05:15 AM



#15

Acrylonitrile

Concen: 14.88 ug/l

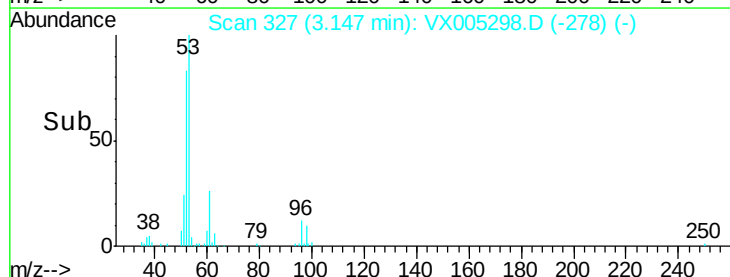
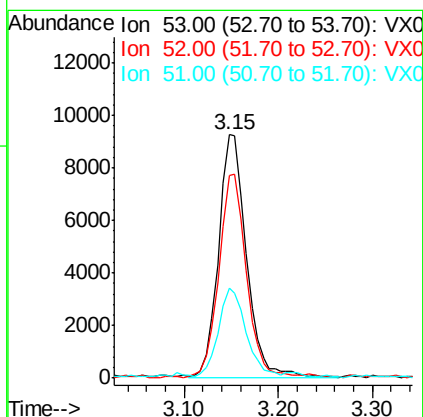
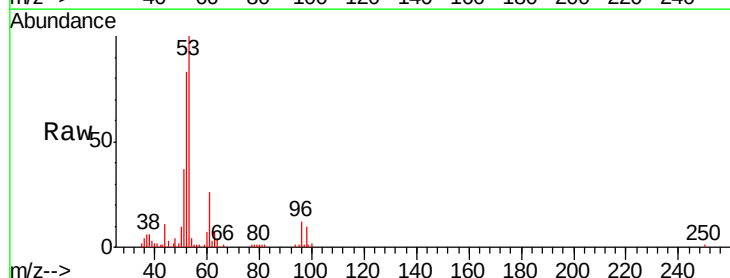
RT: 3.15 min Scan# 327

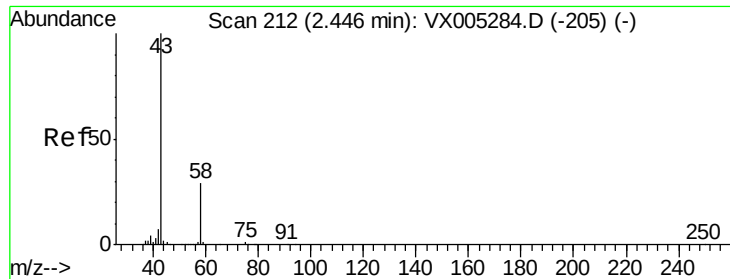
Delta R.T. 0.00 min

Lab File: VX005298.D

Acq: 12 Oct 2018 17:25

Tgt Ion:	53	Resp:	19194
Ion	Ratio	Lower	Upper
53	100		
52	82.8	65.2	97.8
51	35.1	28.2	42.2





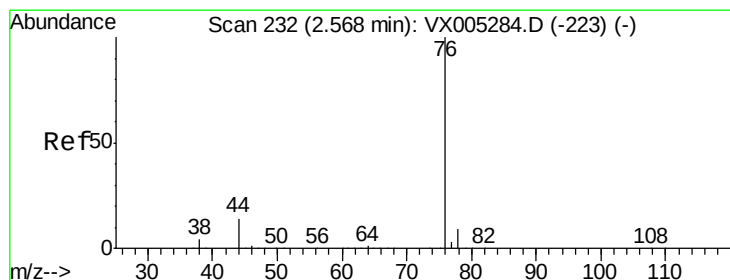
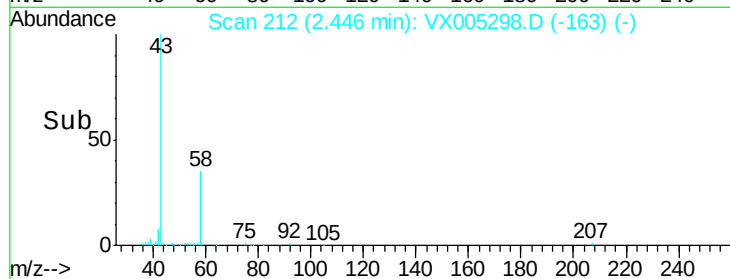
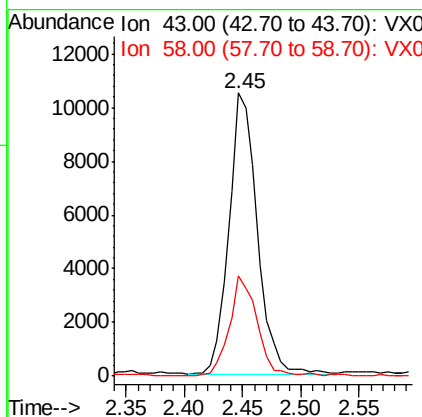
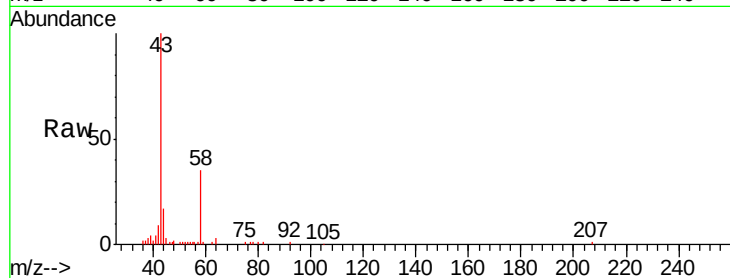
#16
Acetone
Concen: 15.15 ug/l
RT: 2.45 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX005298.D
Acq: 12 Oct 2018 17:25

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2018

Tgt Ion: 43 Resp: 17685
Ion Ratio Lower Upper
43 100
58 35.7 26.2 39.4

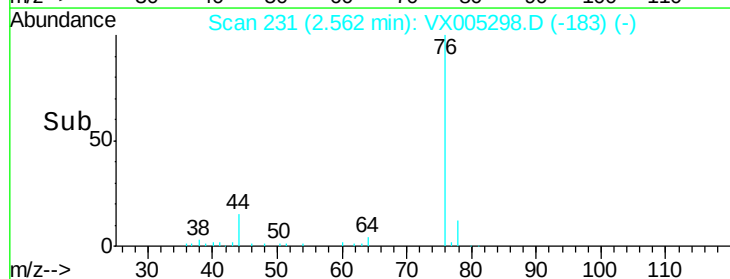
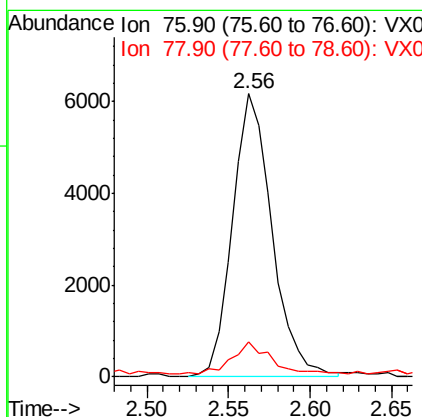
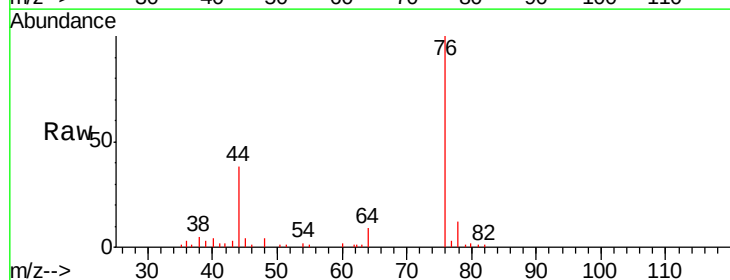
Manual Integrations
APPROVED

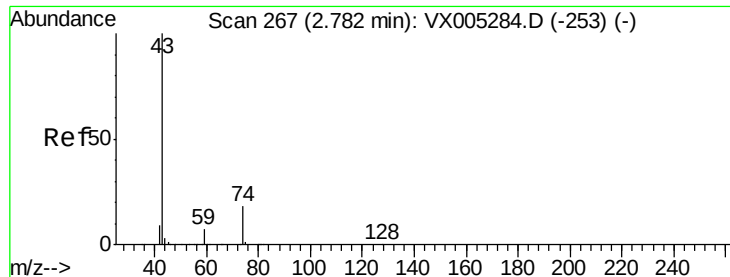
MMDadoda
10/17/2018 9:05:15 AM



#17
Carbon Disulfide
Concen: 2.16 ug/l
RT: 2.56 min Scan# 231
Delta R.T. -0.01 min
Lab File: VX005298.D
Acq: 12 Oct 2018 17:25

Tgt Ion: 76 Resp: 10408
Ion Ratio Lower Upper
76 100
78 10.9 7.0 10.6#





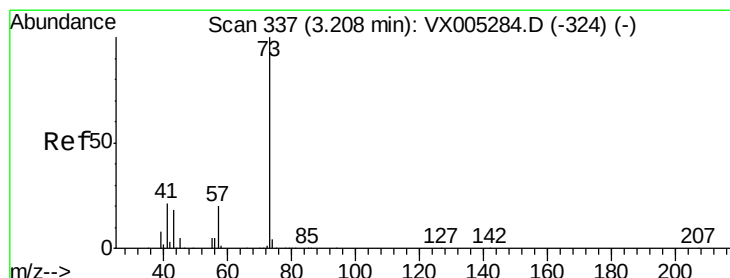
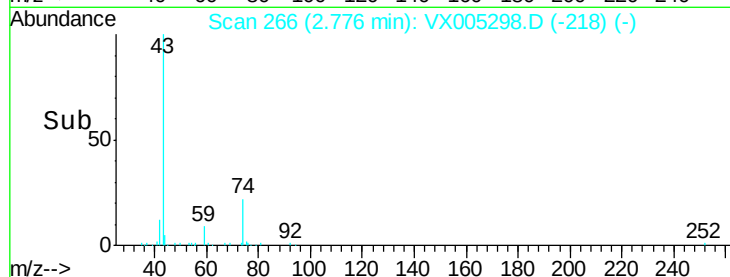
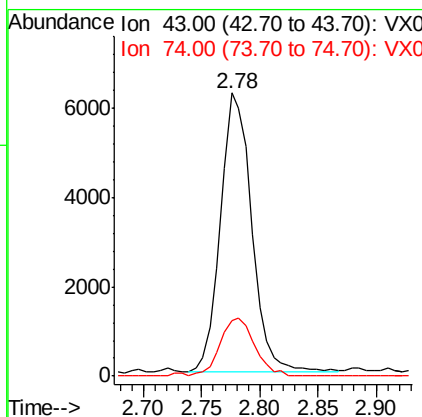
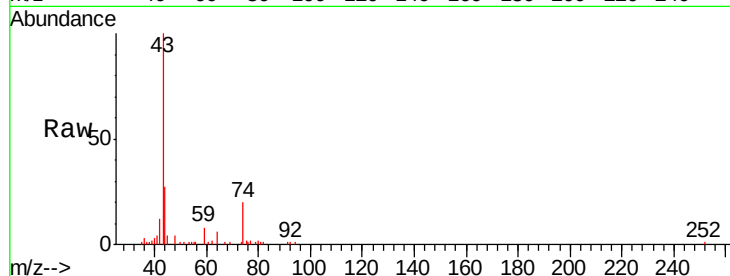
#18
Methyl Acetate
Concen: 3.52 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX005298.D
Acq: 12 Oct 2018 17:25

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2018

Tgt Ion: 43 Resp: 11683
Ion Ratio Lower Upper
43 100
74 22.9 19.4 29.2

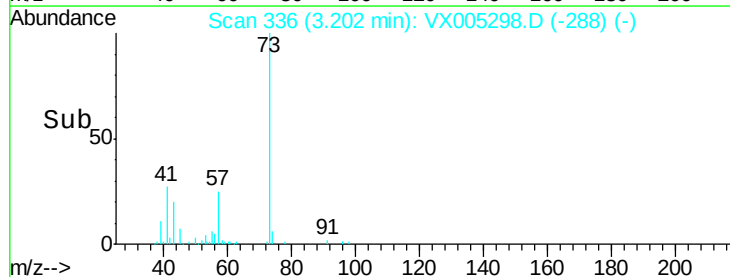
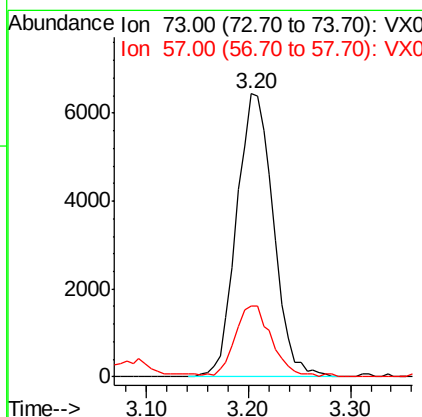
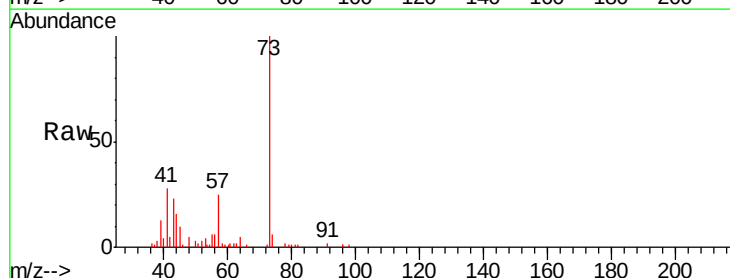
Manual Integrations
APPROVED

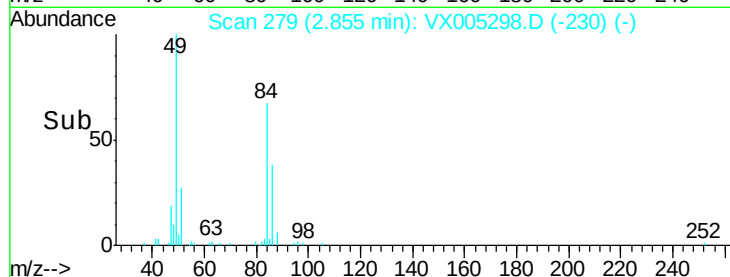
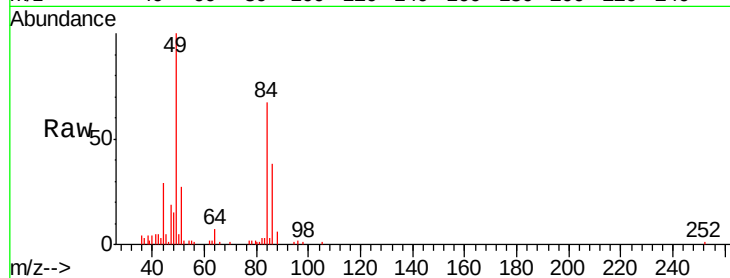
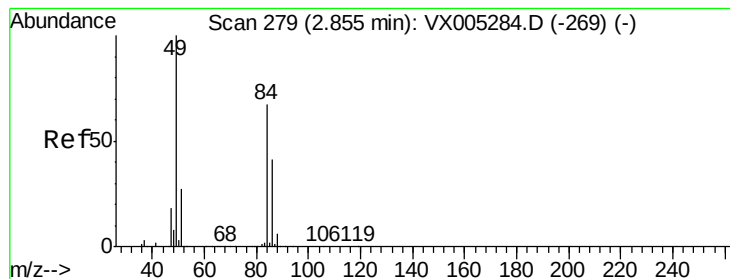
MMDadoda
10/17/2018 9:05:15 AM



#19
Methyl tert-butyl Ether
Concen: 2.87 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.01 min
Lab File: VX005298.D
Acq: 12 Oct 2018 17:25

Tgt Ion: 73 Resp: 16112
Ion Ratio Lower Upper
73 100
57 24.9 17.1 25.7





#20

Methylene Chloride

Concen: 2.30 ug/l

RT: 2.85 min Scan# 279

Delta R.T. 0.00 min

Lab File: VX005298.D

Acq: 12 Oct 2018 17:25

Tgt Ion:	84	Resp:	6031
Ion	Ratio	Lower	Upper
84	100		
49	150.2	101.2	151.8
51	40.5	29.5	44.3
86	56.8	52.3	78.5

Instrument :

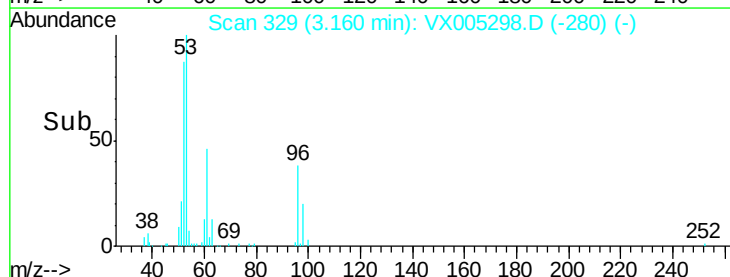
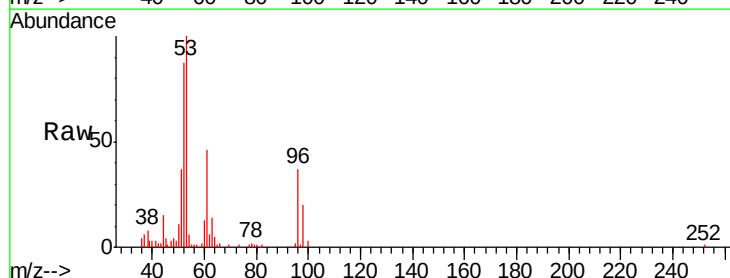
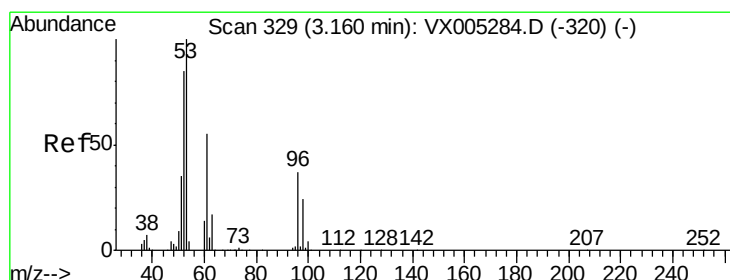
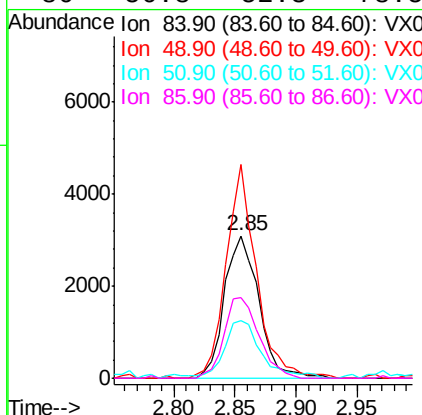
MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT4-2018

Manual Integrations
APPROVED

MMDadoda
10/17/2018 9:05:15 AM



#21

trans-1,2-Dichloroethene

Concen: 2.61 ug/l

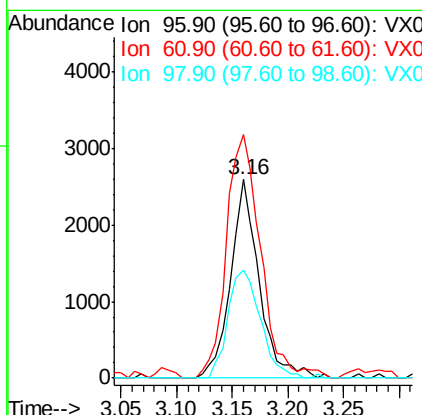
RT: 3.16 min Scan# 329

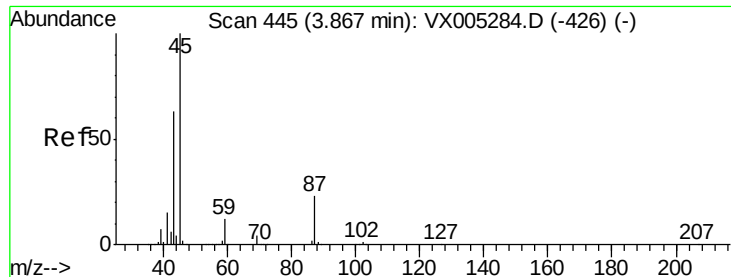
Delta R.T. 0.00 min

Lab File: VX005298.D

Acq: 12 Oct 2018 17:25

Tgt Ion:	96	Resp:	4603
Ion	Ratio	Lower	Upper
96	100		
61	122.7	113.8	170.6
98	54.5	51.8	77.8





#22

Diisopropyl ether

Concen: 2.49 ug/l

RT: 3.87 min Scan# 446

Delta R.T. 0.01 min

Lab File: VX005298.D

Acq: 12 Oct 2018 17:25

Instrument :

MSVOA_X

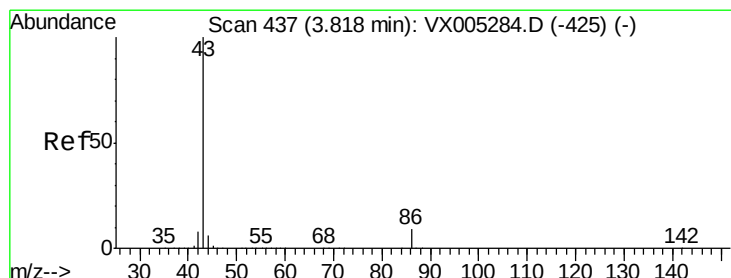
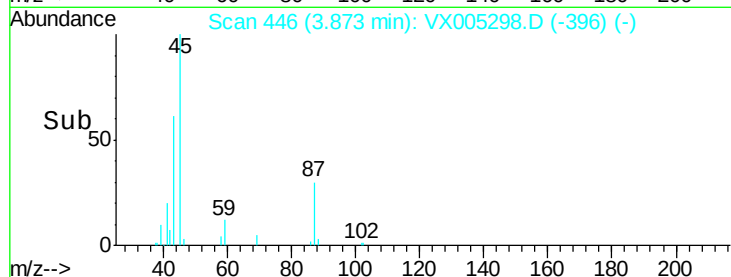
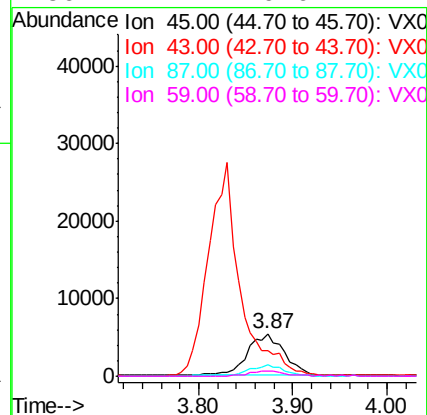
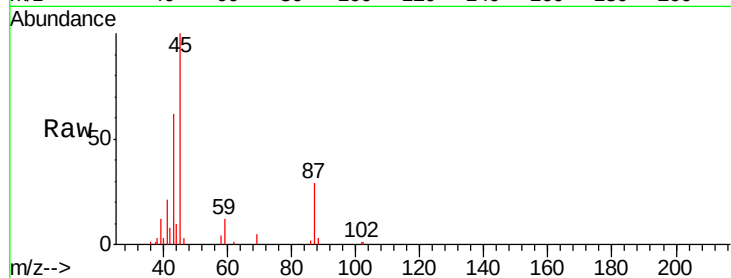
ClientSampleId :

LOQ-WATER-02-QT4-2018

Tgt Ion	Ratio	Lower	Upper
45	100		
43	60.5	42.8	64.2
87	29.2	22.6	34.0
59	12.1	9.6	14.4

Manual Integrations
APPROVED

MMDadoda
10/17/2018 9:05:15 AM



#23

Vinyl Acetate

Concen: 12.81 ug/l

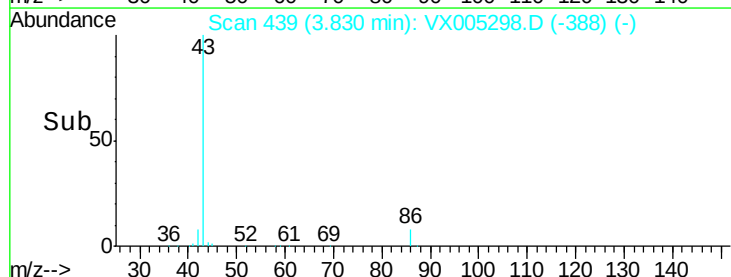
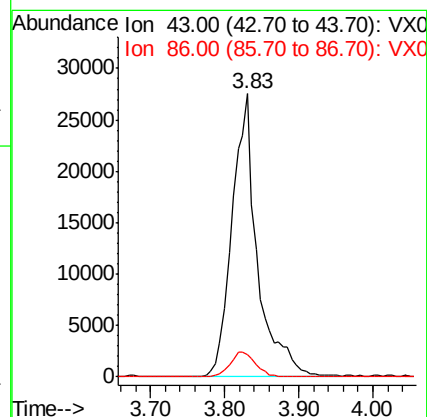
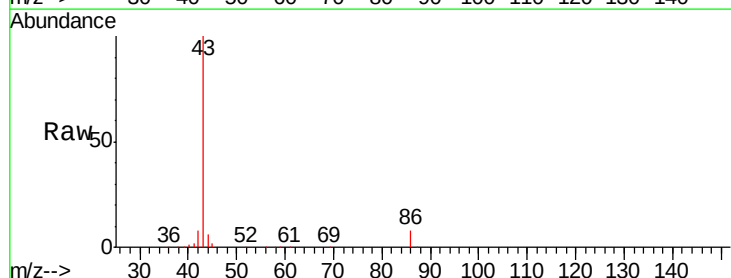
RT: 3.83 min Scan# 439

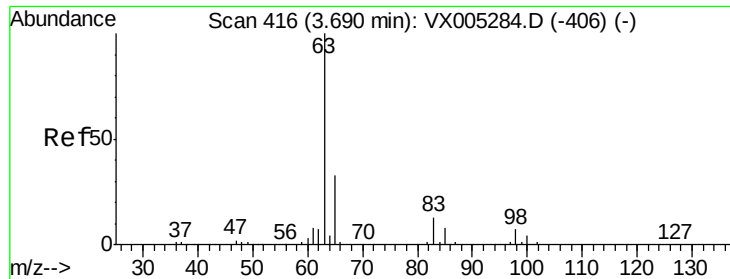
Delta R.T. 0.01 min

Lab File: VX005298.D

Acq: 12 Oct 2018 17:25

Tgt Ion	Ratio	Lower	Upper
43	100		
86	7.8	8.9	13.3#





#24

1,1-Dichloroethane

Concen: 2.62 ug/l

RT: 3.69 min Scan# 416

Delta R.T. 0.00 min

Lab File: VX005298.D

Acq: 12 Oct 2018 17:25

Instrument :

MSVOA_X

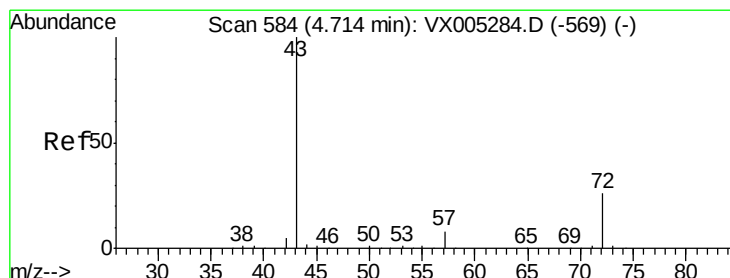
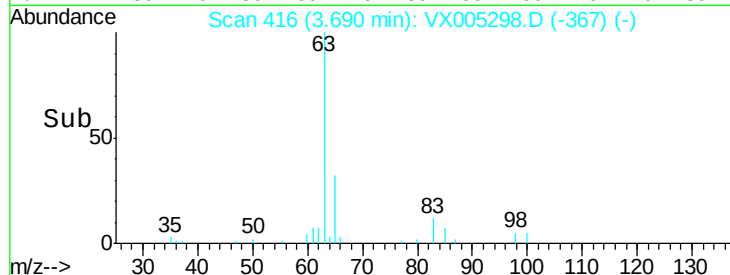
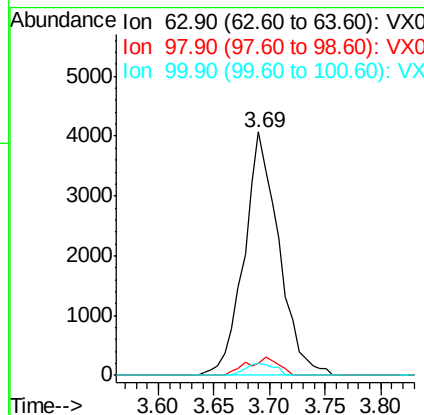
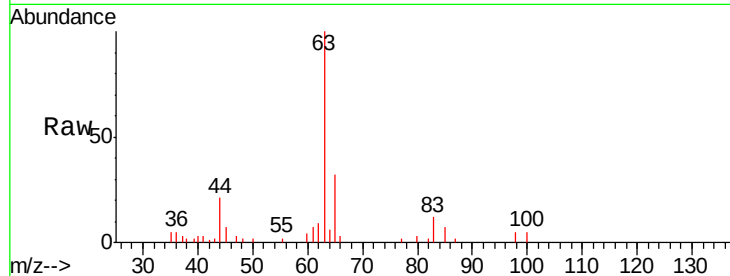
ClientSampleId :

LOQ-WATER-02-QT4-2018

Tgt Ion:	63	Resp:	8814
Ion	Ratio	Lower	Upper
63	100		
98	5.0	3.5	10.4
100	4.7	2.4	7.1

Manual Integrations
APPROVED

MMDadoda
10/17/2018 9:05:15 AM



#25

2-Butanone

Concen: 14.29 ug/l

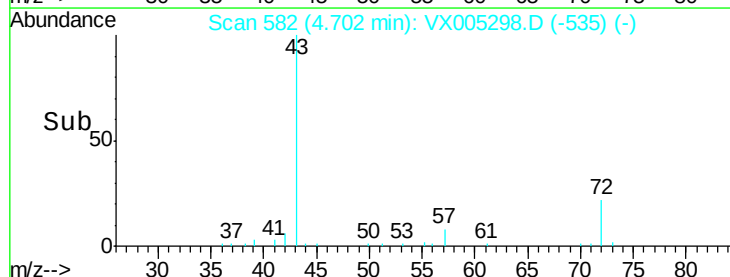
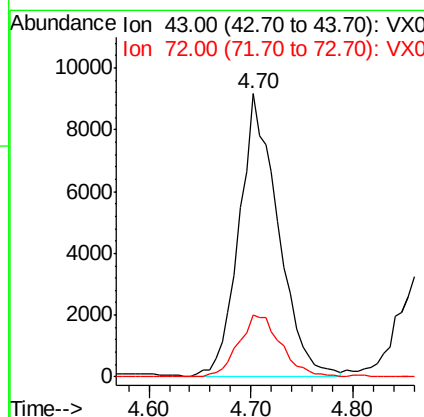
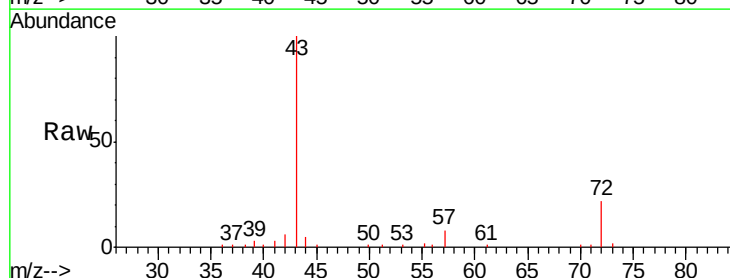
RT: 4.70 min Scan# 582

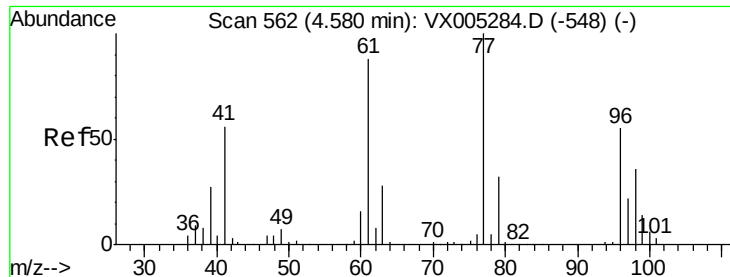
Delta R.T. -0.01 min

Lab File: VX005298.D

Acq: 12 Oct 2018 17:25

Tgt Ion:	43	Resp:	24400
Ion	Ratio	Lower	Upper
43	100		
72	22.0	22.0	33.0





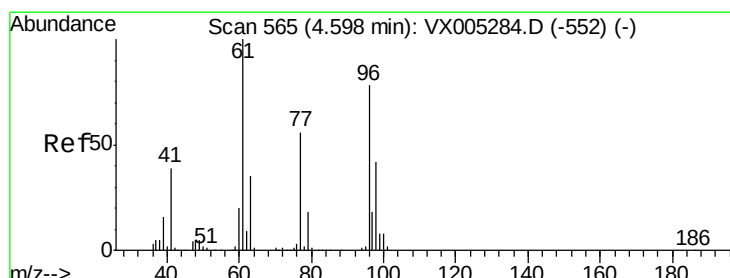
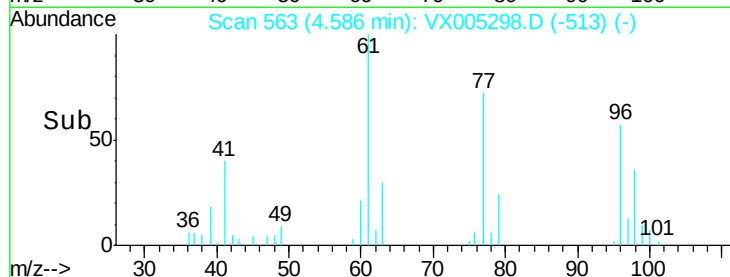
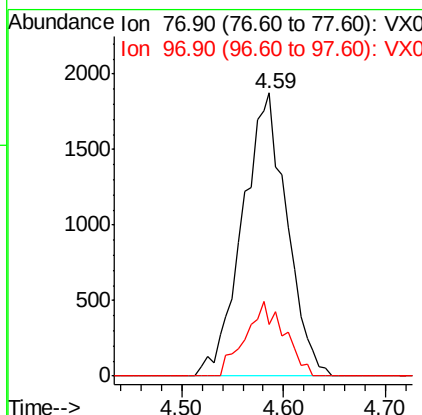
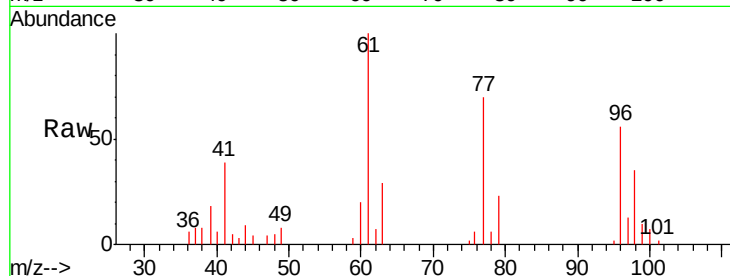
#26
 2,2-Dichloropropane
 Concen: 2.25 ug/l
 RT: 4.59 min Scan# 563
 Delta R.T. 0.01 min
 Lab File: VX005298.D
 Acq: 12 Oct 2018 17:25

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT4-2018

Tgt Ion: 77 Resp: 5657
 Ion Ratio Lower Upper
 77 100
 97 23.2 11.7 35.0

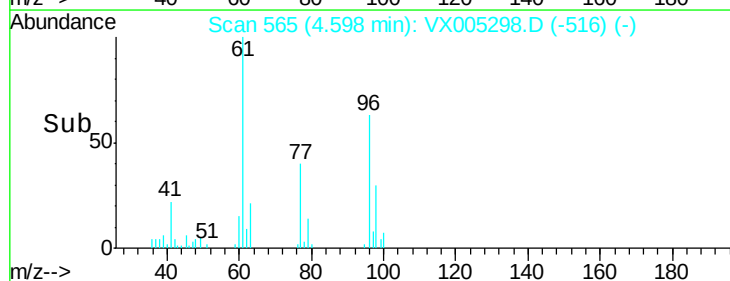
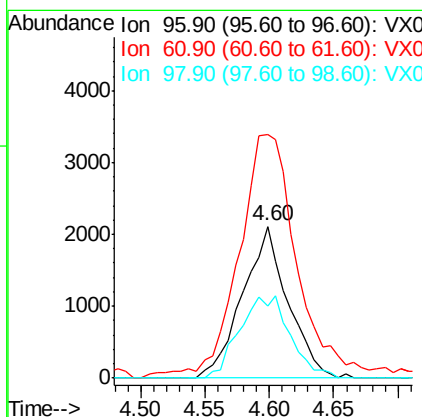
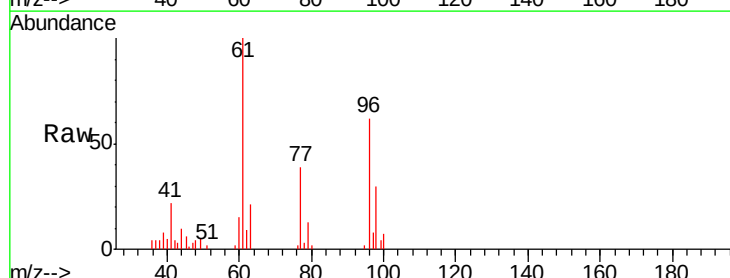
Manual Integrations
 APPROVED

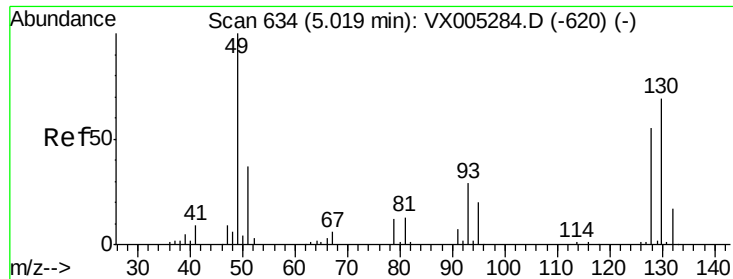
MMDadoda
 10/17/2018 9:05:15 AM



#27
 cis-1,2-Dichloroethene
 Concen: 2.68 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: VX005298.D
 Acq: 12 Oct 2018 17:25

Tgt Ion: 96 Resp: 5139
 Ion Ratio Lower Upper
 96 100
 61 211.7 0.0 282.6
 98 60.2 0.0 130.2





#28

Bromochloromethane

Concen: 2.94 ug/l

RT: 5.02 min Scan# 634

Delta R.T. 0.00 min

Lab File: VX005298.D

Acq: 12 Oct 2018 17:25

Instrument :

MSVOA_X

ClientSampleId :

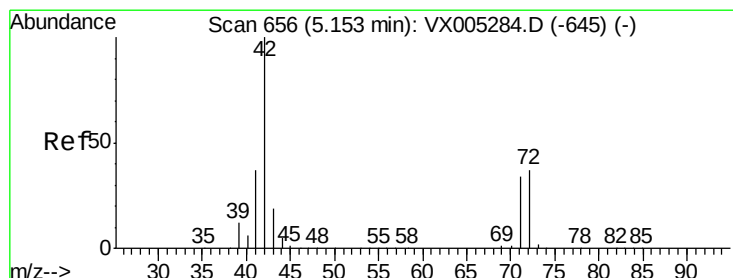
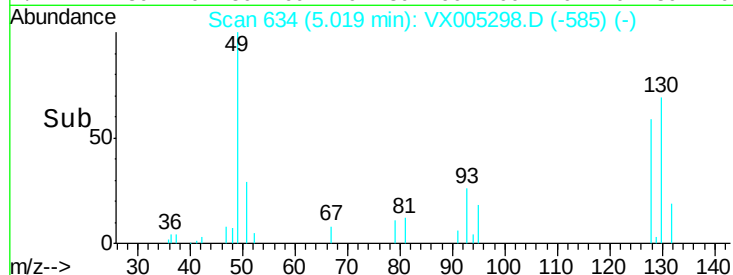
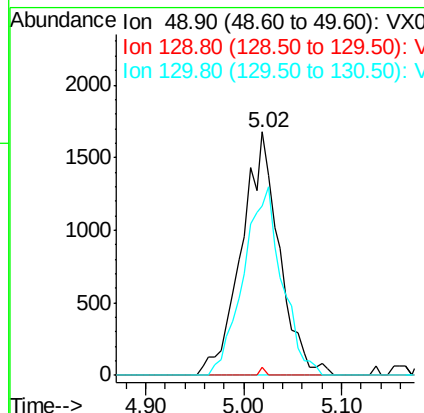
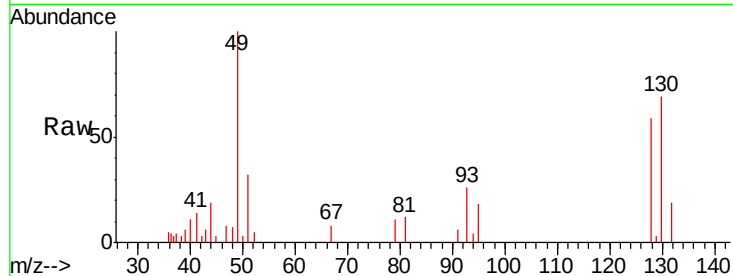
LOQ-WATER-02-QT4-2018

Tgt Ion: 49 Resp: 4508

Ion	Ratio	Lower	Upper
49	100		
129	0.5	0.0	4.2
130	78.7	67.5	101.3

Manual Integrations
APPROVED

MMDadoda
10/17/2018 9:05:15 AM



#29

Tetrahydrofuran

Concen: 13.98 ug/l

RT: 5.17 min Scan# 658

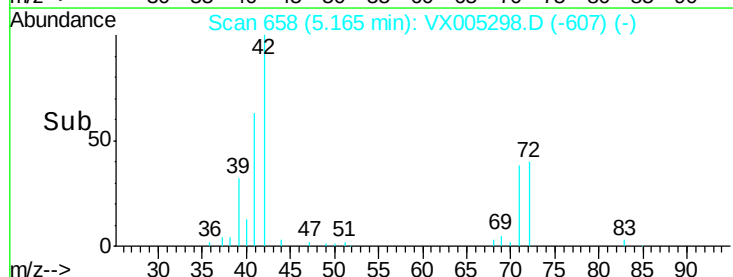
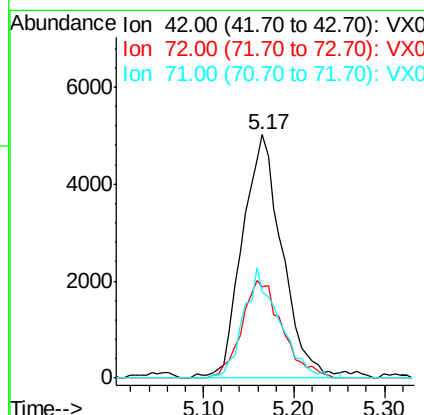
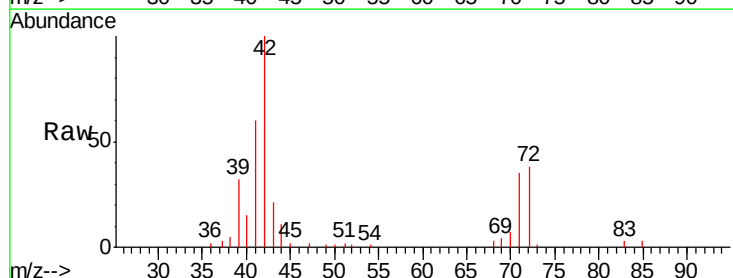
Delta R.T. 0.01 min

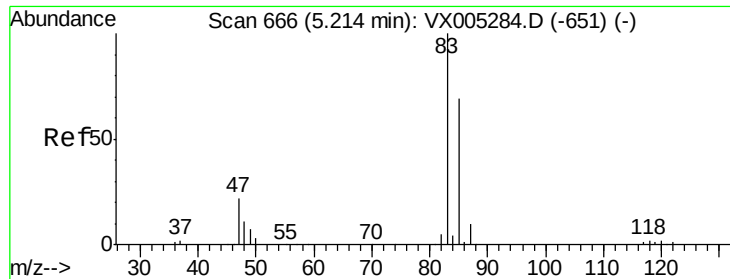
Lab File: VX005298.D

Acq: 12 Oct 2018 17:25

Tgt Ion: 42 Resp: 15227

Ion	Ratio	Lower	Upper
42	100		
72	40.7	37.4	56.0
71	40.3	34.5	51.7





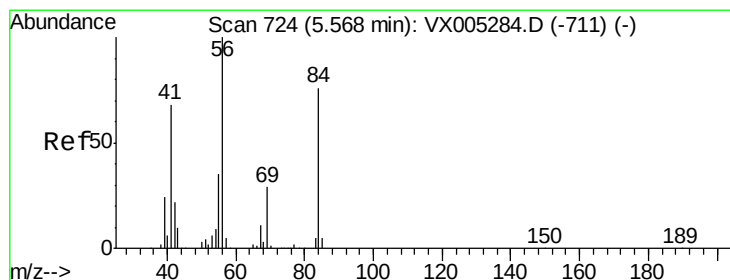
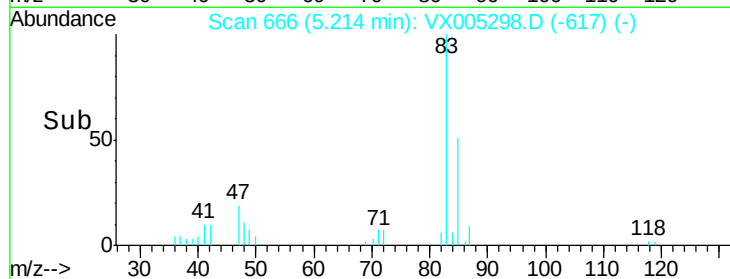
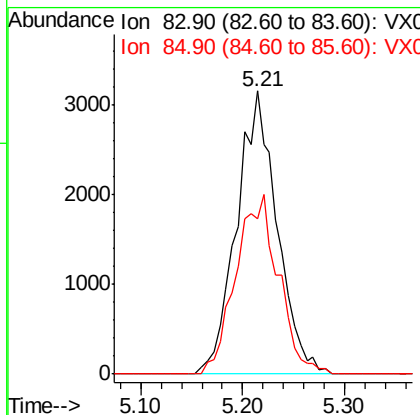
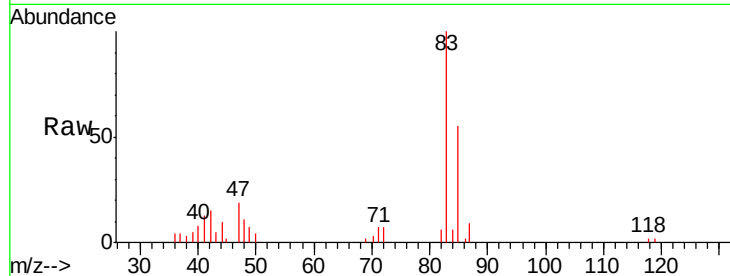
#30
Chloroform
Concen: 2.78 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX005298.D
Acq: 12 Oct 2018 17:25

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2018

Tgt Ion: 83 Resp: 8691
Ion Ratio Lower Upper
83 100
85 55.0 52.6 79.0

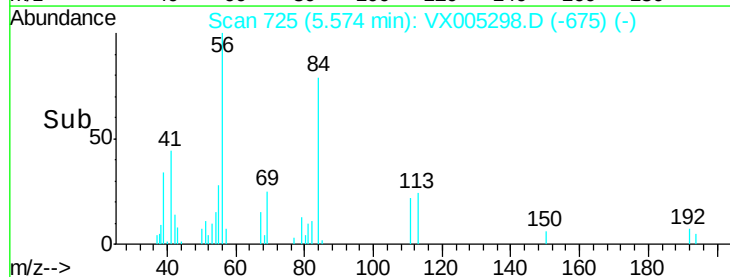
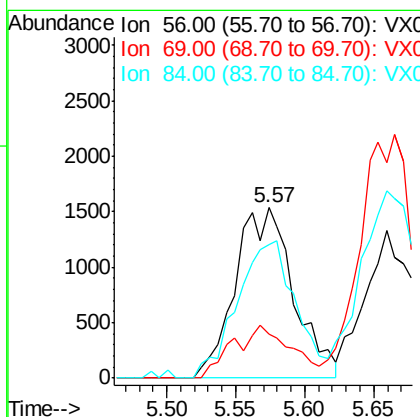
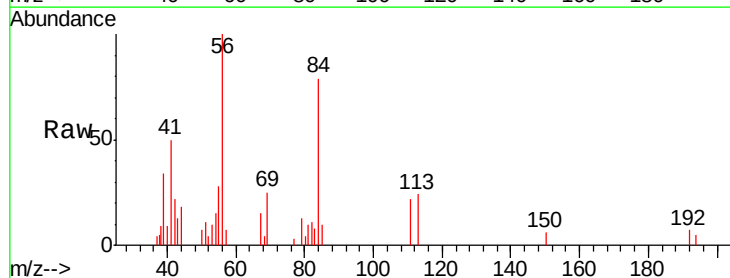
Manual Integrations
APPROVED

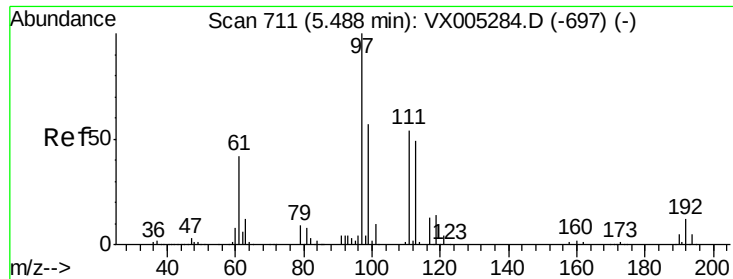
MMDadoda
10/17/2018 9:05:15 AM



#31
Cyclohexane
Concen: 1.63 ug/l m
RT: 5.57 min Scan# 725
Delta R.T. 0.01 min
Lab File: VX005298.D
Acq: 12 Oct 2018 17:25

Tgt Ion: 56 Resp: 4519
Ion Ratio Lower Upper
56 100
69 25.4 25.4 38.2#
84 78.6 71.4 107.2





#32

1,1,1-Trichloroethane

Concen: 2.33 ug/l

RT: 5.49 min Scan# 711

Delta R.T. 0.00 min

Lab File: VX005298.D

Acq: 12 Oct 2018 17:25

Instrument :

MSVOA_X

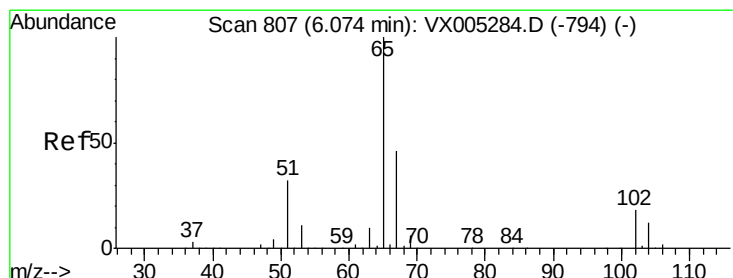
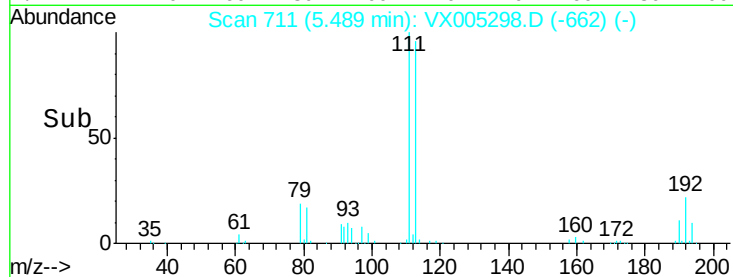
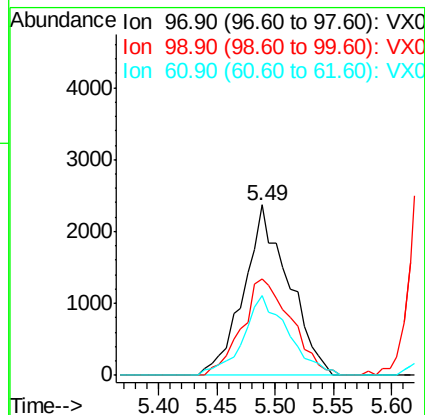
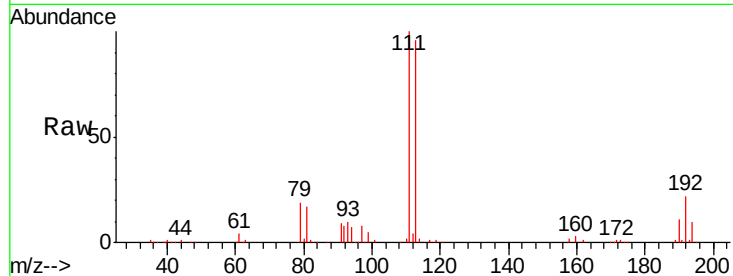
ClientSampleId :

LOQ-WATER-02-QT4-2018

Tgt Ion:	97	Resp:	6327
Ion	Ratio	Lower	Upper
97	100		
99	62.0	52.0	78.0
61	46.8	34.9	52.3

Manual Integrations
APPROVED

MMDadoda
10/17/2018 9:05:15 AM



#33

1,2-Dichloroethane-d4

Concen: 71.94 ug/l

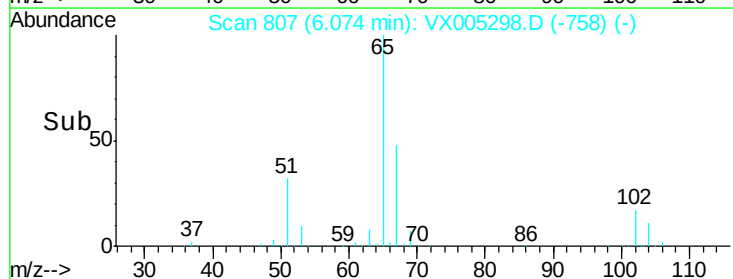
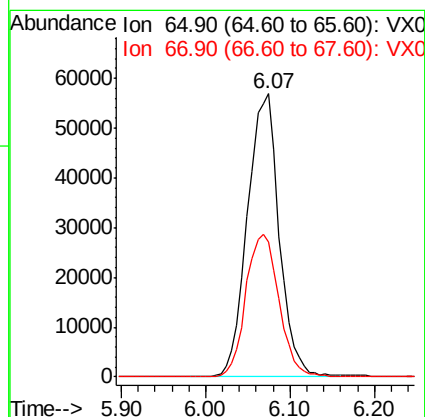
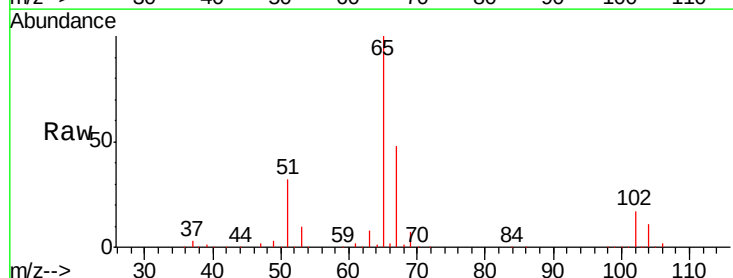
RT: 6.07 min Scan# 807

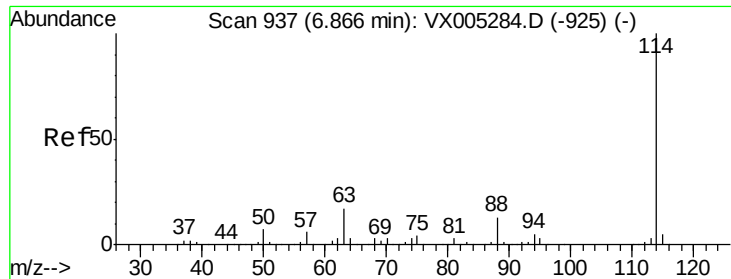
Delta R.T. 0.00 min

Lab File: VX005298.D

Acq: 12 Oct 2018 17:25

Tgt Ion:	65	Resp:	145202
Ion	Ratio	Lower	Upper
65	100		
67	52.4	0.0	106.8





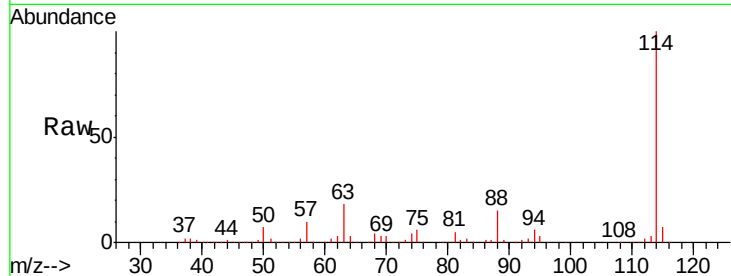
#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.86 min Scan# 936
Delta R.T. -0.01 min
Lab File: VX005298.D
Acq: 12 Oct 2018 17:25

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2018

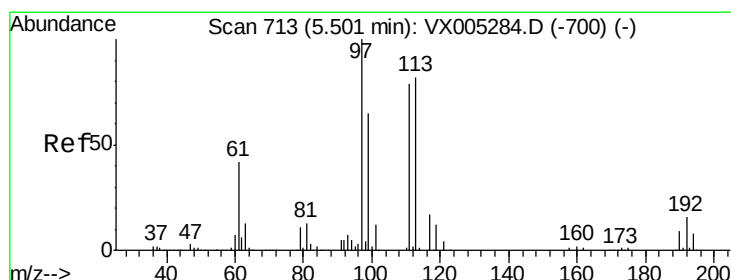
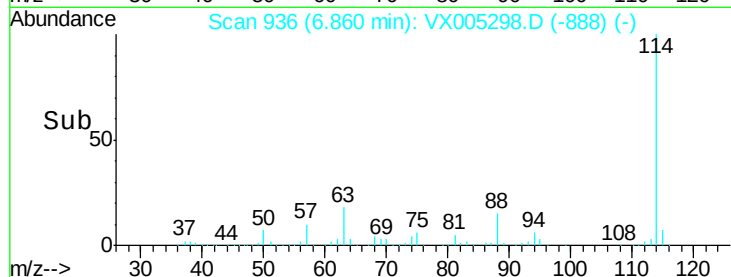
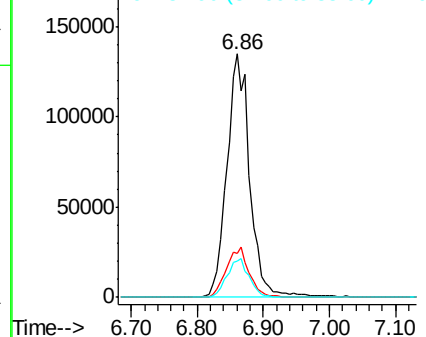
Tgt Ion	Ratio	Resp Lower	Resp Upper
114	100		
63	18.3	0.0	39.0
88	14.7	0.0	30.4

Manual Integrations
APPROVED

MMDadoda
10/17/2018 9:05:15 AM

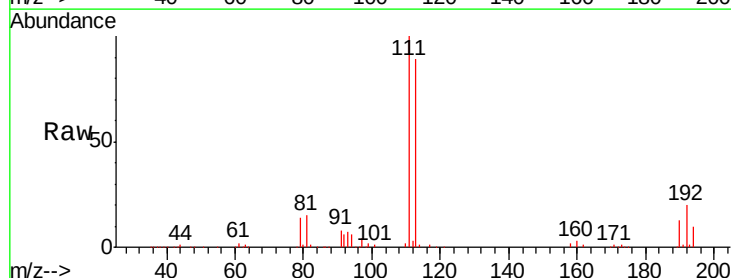


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

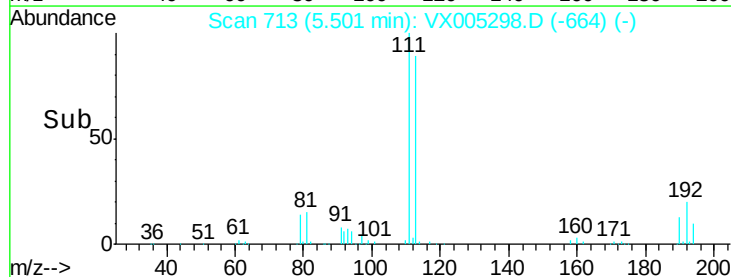
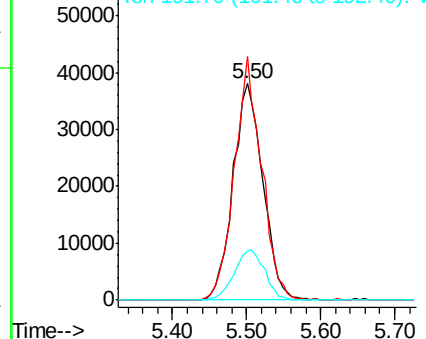


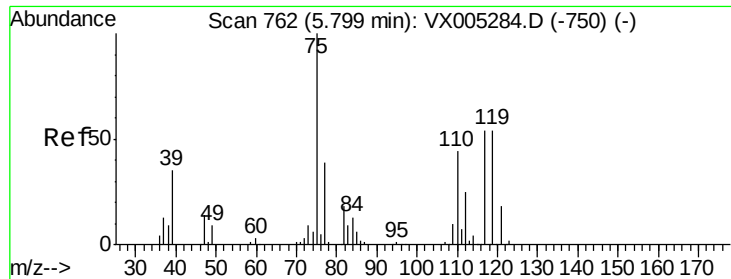
#35
Dibromofluoromethane
Concen: 49.96 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.00 min
Lab File: VX005298.D
Acq: 12 Oct 2018 17:25

Tgt Ion	Ratio	Resp Lower	Resp Upper
113	100		
111	102.3	82.4	123.6
192	23.7	19.4	29.2



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V





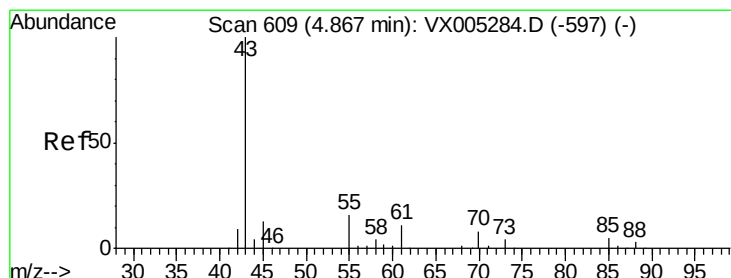
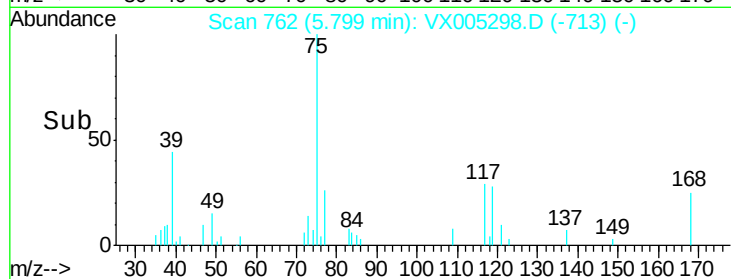
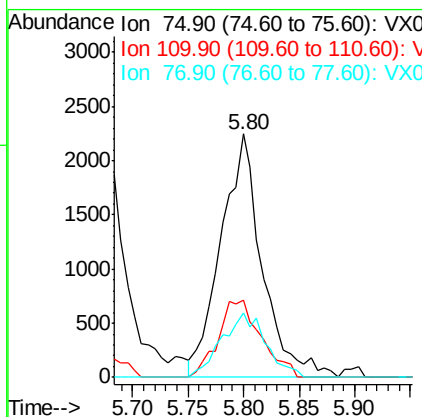
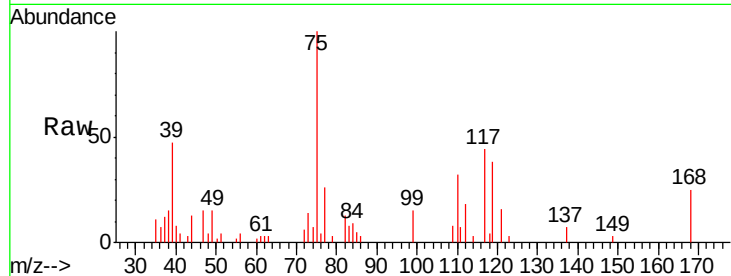
#36
 1,1-Dichloropropene
 Concen: 1.84 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VX005298.D
 Acq: 12 Oct 2018 17:25

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT4-2018

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.9	18.0	54.0
77	28.2	24.6	36.8

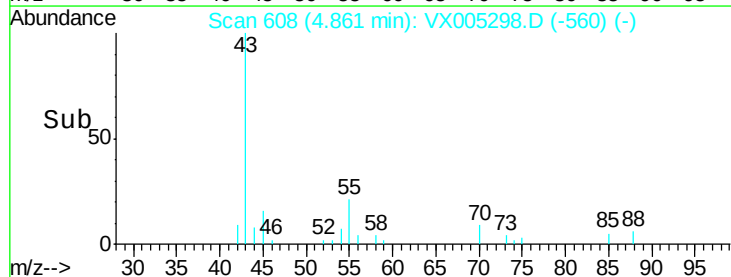
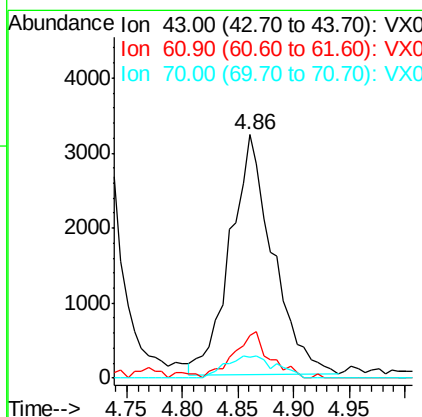
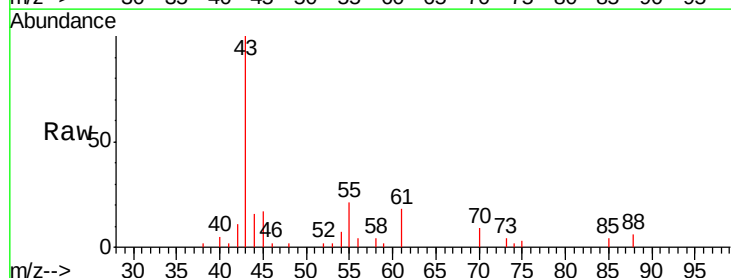
Manual Integrations
 APPROVED

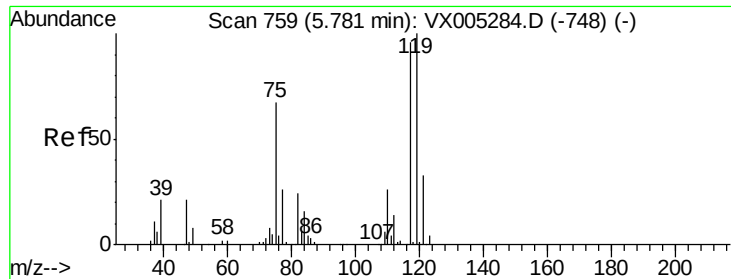
MMDadoda
 10/17/2018 9:05:15 AM



#37
 Ethyl Acetate
 Concen: 2.12 ug/l
 RT: 4.86 min Scan# 608
 Delta R.T. -0.01 min
 Lab File: VX005298.D
 Acq: 12 Oct 2018 17:25

Tgt Ion	Ratio	Lower	Upper
43	100		
61	16.0	11.5	17.3
70	10.6	9.0	13.6





#38

Carbon Tetrachloride

Concen: 1.72 ug/l

RT: 5.78 min Scan# 758

Delta R.T. -0.01 min

Lab File: VX005298.D

Acq: 12 Oct 2018 17:25

Instrument :

MSVOA_X

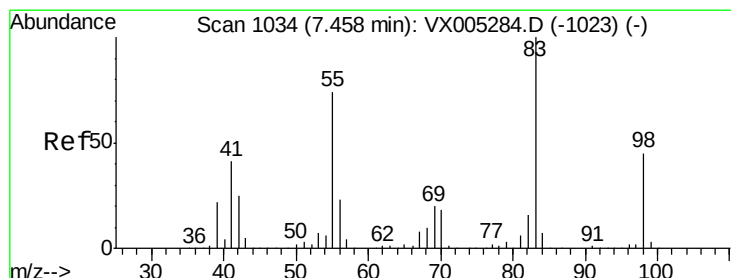
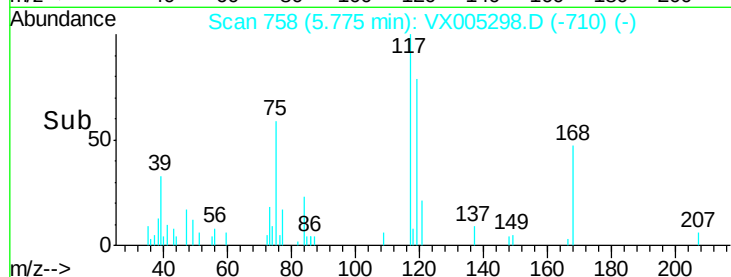
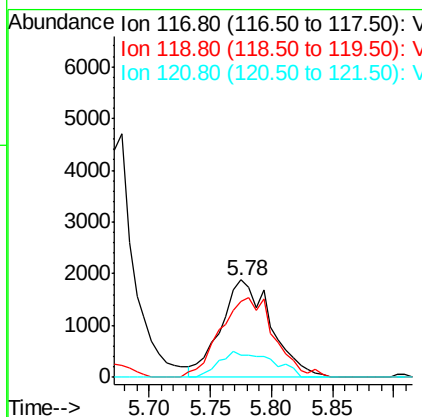
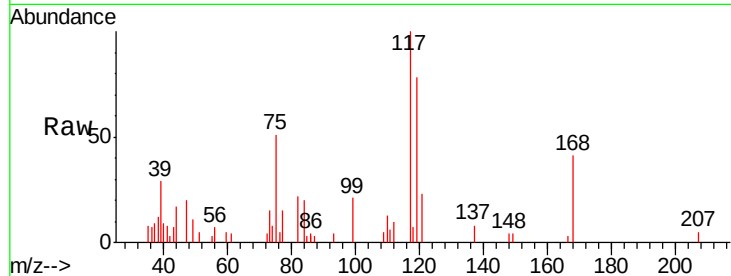
ClientSampleId :

LOQ-WATER-02-QT4-2018

Tgt Ion: 117 Resp: 5407
 Ion Ratio Lower Upper
 117 100
 119 77.9 78.8 118.2#
 121 23.1 24.9 37.3#

Manual Integrations
 APPROVED

MMDadoda
 10/17/2018 9:05:15 AM



#39

Methylcyclohexane

Concen: 1.04 ug/l

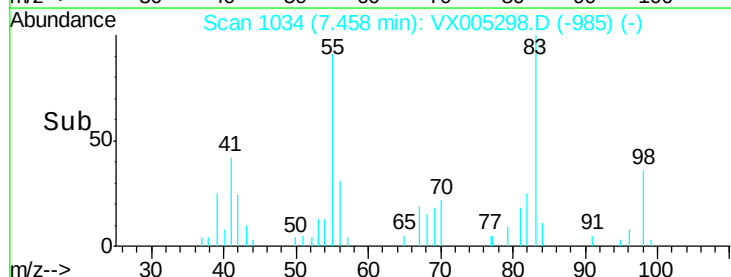
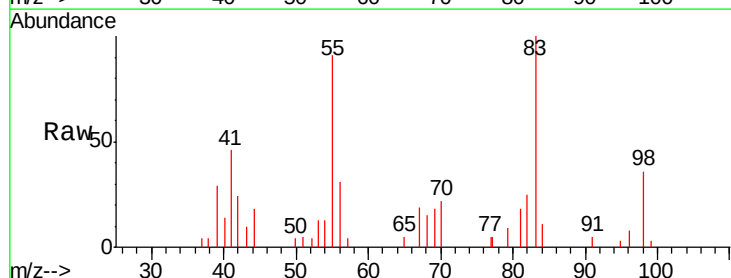
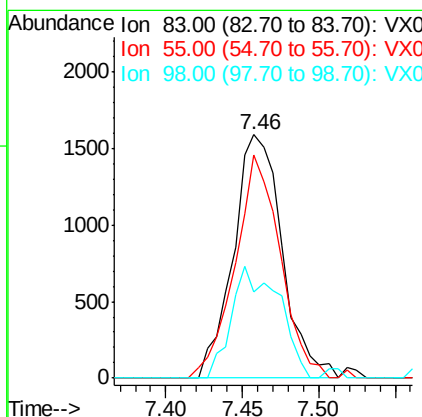
RT: 7.46 min Scan# 1034

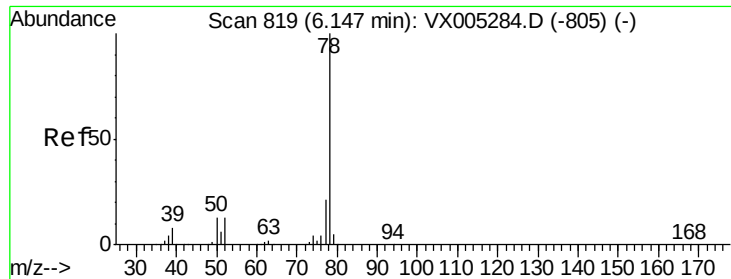
Delta R.T. 0.00 min

Lab File: VX005298.D

Acq: 12 Oct 2018 17:25

Tgt Ion: 83 Resp: 3536
 Ion Ratio Lower Upper
 83 100
 55 91.4 61.0 91.4
 98 35.6 39.6 59.4#





#40

Benzene

Concen: 1.96 ug/l

RT: 6.14 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX005298.D

Acq: 12 Oct 2018 17:25

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT4-2018

Tgt Ion: 78 Resp: 18456

Ion Ratio Lower Upper

78 100

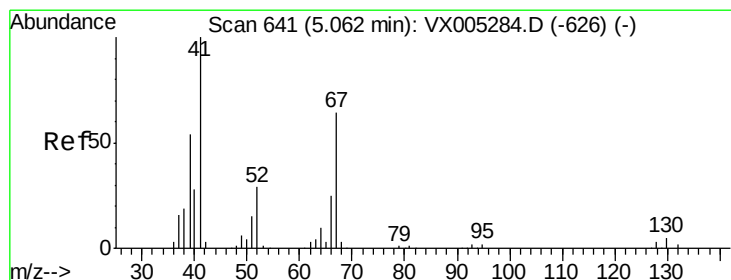
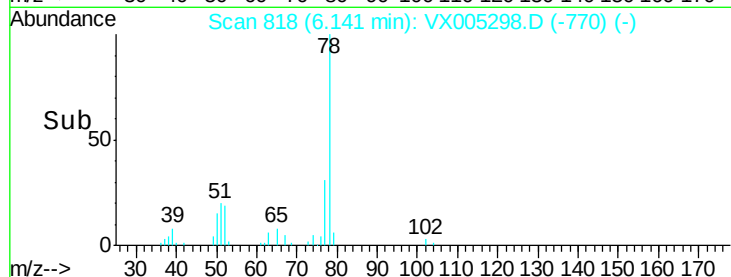
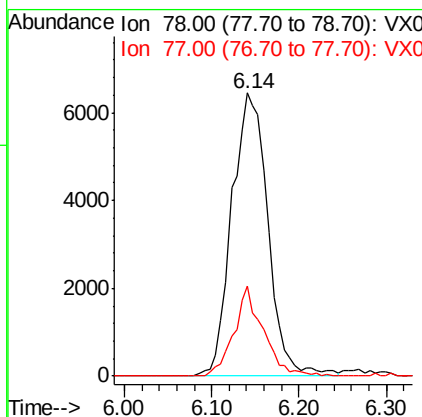
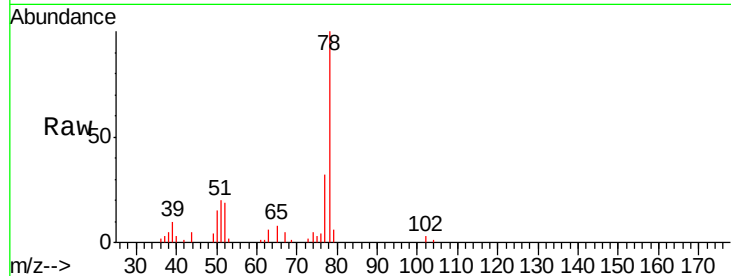
77 31.7 19.0 28.4#

Manual Integrations

APPROVED

MMDadoda

10/17/2018 9:05:15 AM



#41

Methacrylonitrile

Concen: 2.09 ug/l

RT: 5.06 min Scan# 640

Delta R.T. -0.01 min

Lab File: VX005298.D

Acq: 12 Oct 2018 17:25

Tgt Ion: 41 Resp: 4521

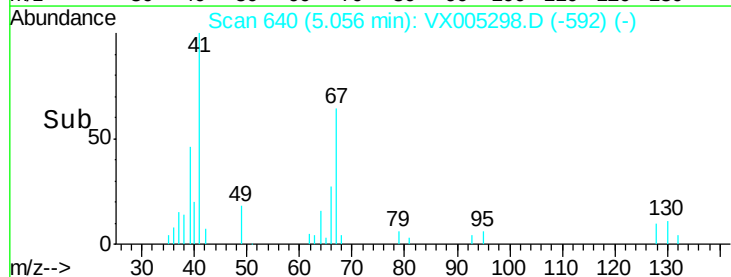
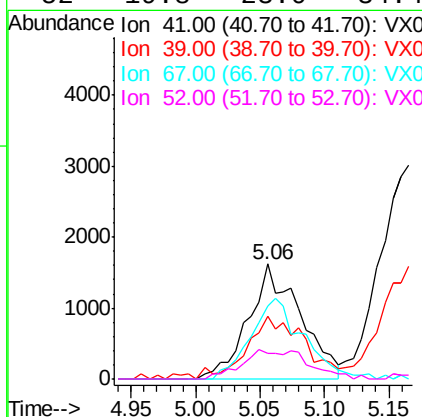
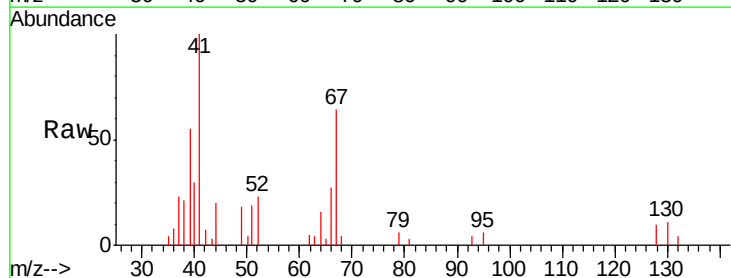
Ion Ratio Lower Upper

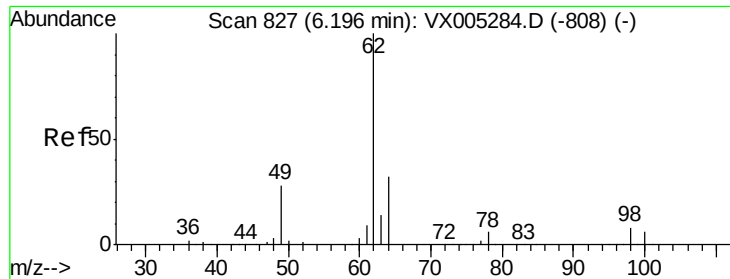
41 100

39 60.2 42.4 63.6

67 71.4 59.2 88.8

52 19.8 23.0 34.4#





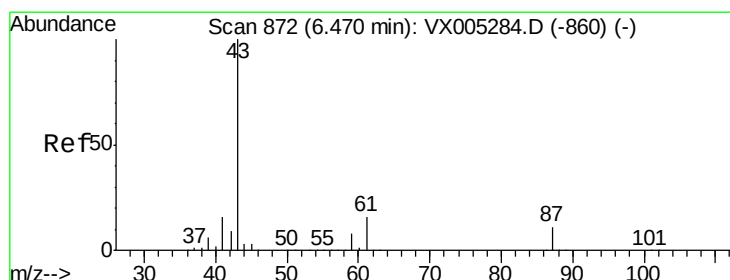
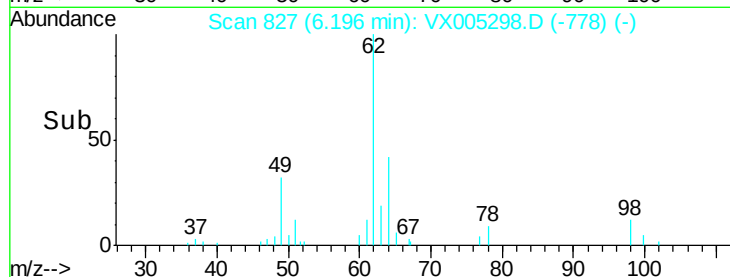
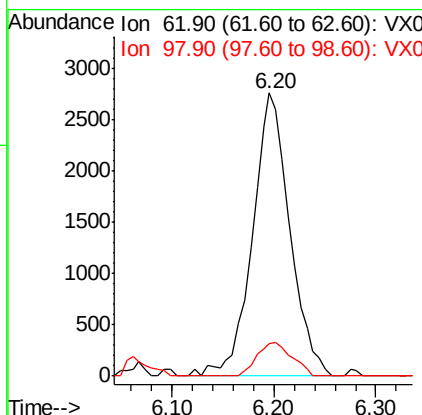
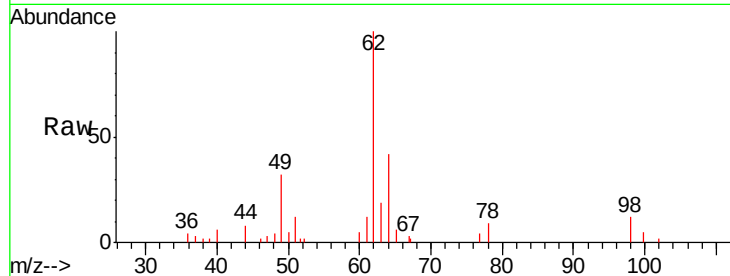
#42
1,2-Dichloroethane
Concen: 2.11 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX005298.D
Acq: 12 Oct 2018 17:25

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2018

Tgt Ion	Ratio	Lower	Upper
62	100		
98	11.1	0.0	20.6

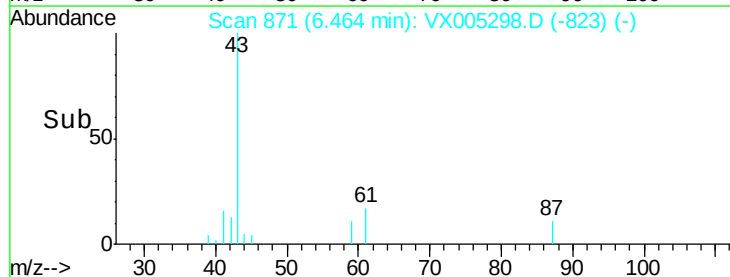
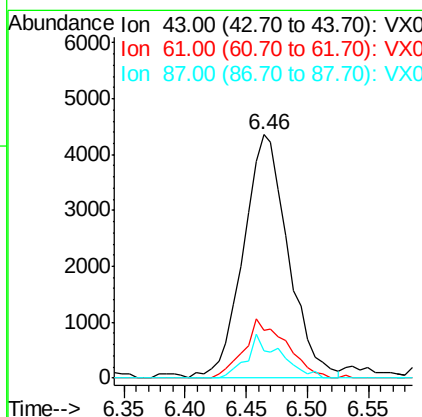
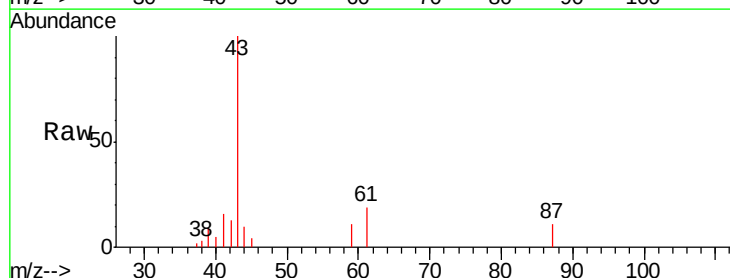
Manual Integrations
APPROVED

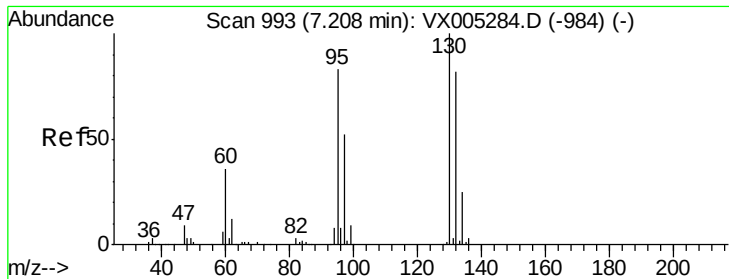
MMDadoda
10/17/2018 9:05:15 AM



#43
Isopropyl Acetate
Concen: 2.07 ug/l
RT: 6.46 min Scan# 871
Delta R.T. -0.01 min
Lab File: VX005298.D
Acq: 12 Oct 2018 17:25

Tgt Ion	Ratio	Lower	Upper
43	100		
61	22.6	17.0	25.4
87	13.2	11.4	17.2





#44

Trichloroethene

Concen: 2.13 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.01 min

Lab File: VX005298.D

Acq: 12 Oct 2018 17:25

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT4-2018

Tgt Ion:130 Resp: 6542

Ion Ratio Lower Upper

130 100

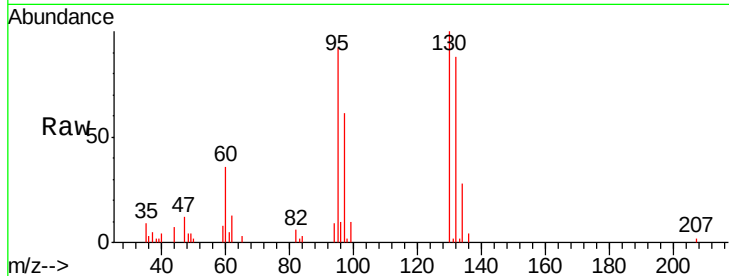
95 92.3 0.0 181.6

Manual Integrations

APPROVED

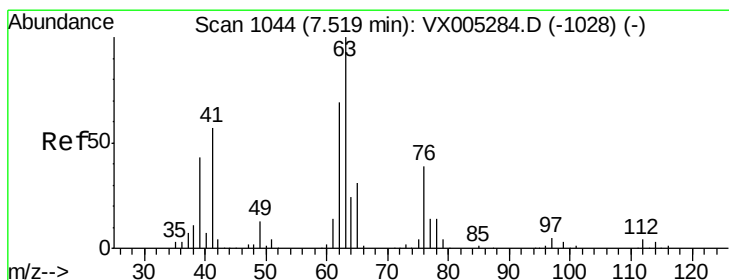
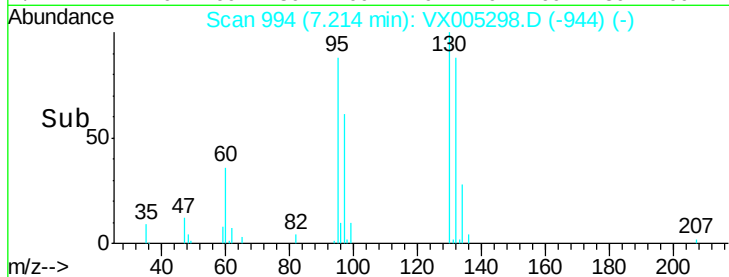
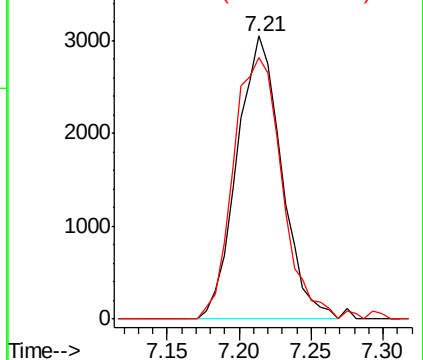
MMDadoda

10/17/2018 9:05:15 AM



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#45

1,2-Dichloropropane

Concen: 2.08 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VX005298.D

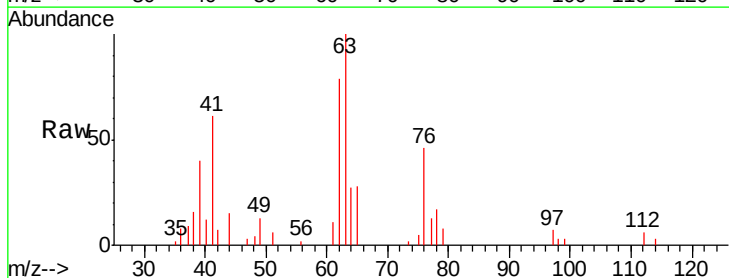
Acq: 12 Oct 2018 17:25

Tgt Ion: 63 Resp: 4794

Ion Ratio Lower Upper

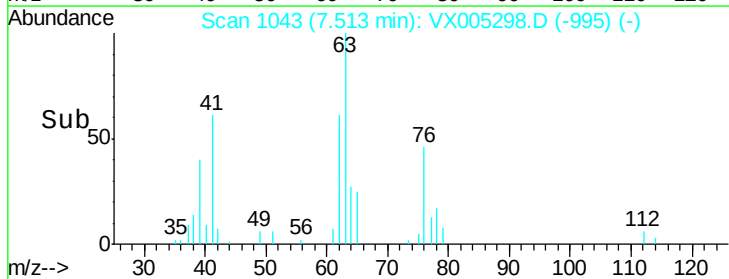
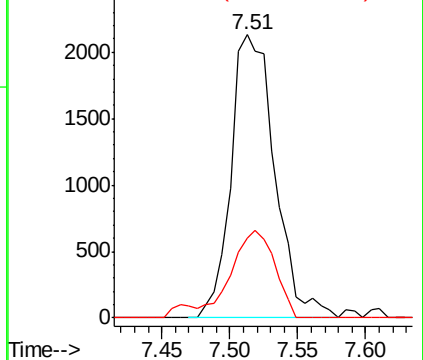
63 100

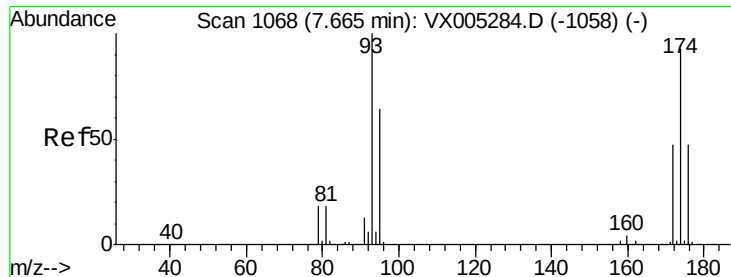
65 28.2 24.3 36.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0





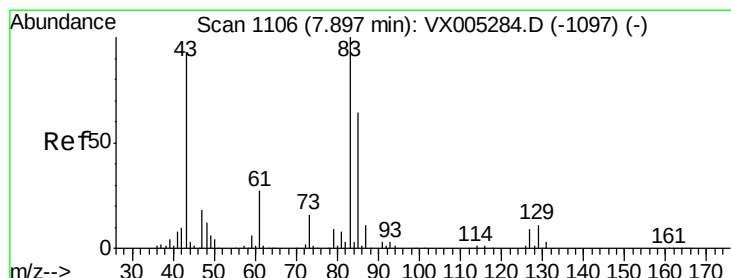
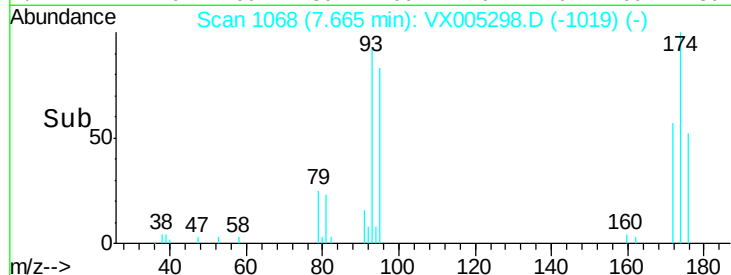
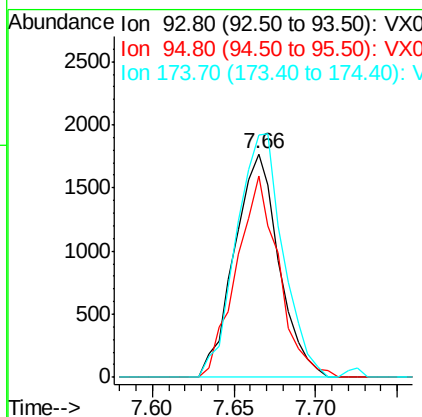
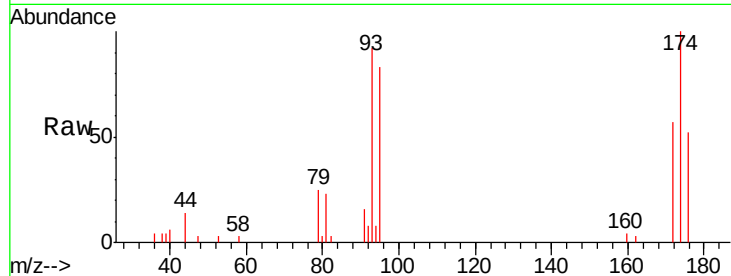
#46
Dibromomethane
Concen: 2.22 ug/l
RT: 7.66 min Scan# 1068
Delta R.T. 0.00 min
Lab File: VX005298.D
Acq: 12 Oct 2018 17:25

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2018

Tgt Ion: 93 Resp: 3376
Ion Ratio Lower Upper
93 100
95 85.5 65.5 98.3
174 114.0 94.2 141.4

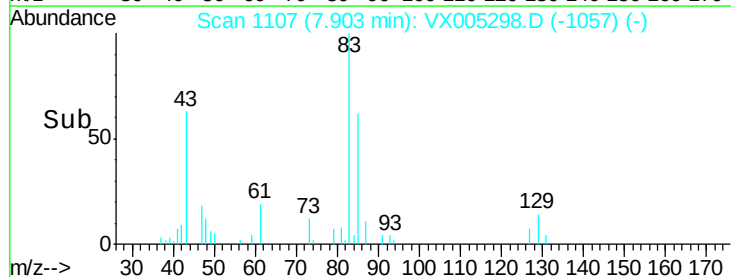
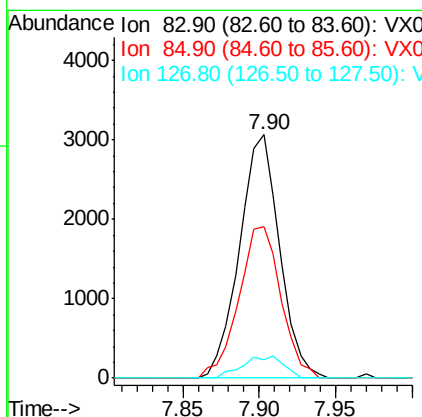
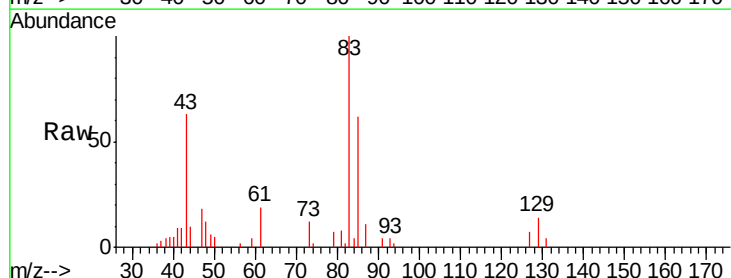
Manual Integrations
APPROVED

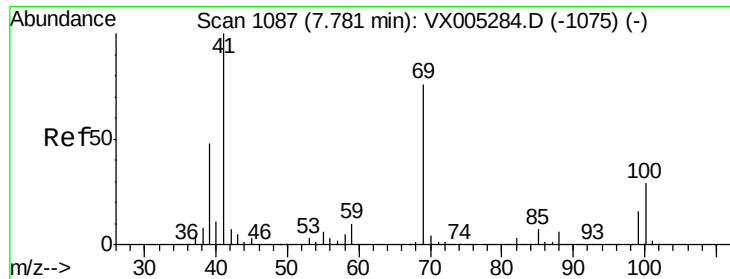
MMDadoda
10/17/2018 9:05:15 AM



#47
Bromodichloromethane
Concen: 1.98 ug/l
RT: 7.90 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VX005298.D
Acq: 12 Oct 2018 17:25

Tgt Ion: 83 Resp: 5573
Ion Ratio Lower Upper
83 100
85 62.2 50.9 76.3
127 7.3 7.3 10.9





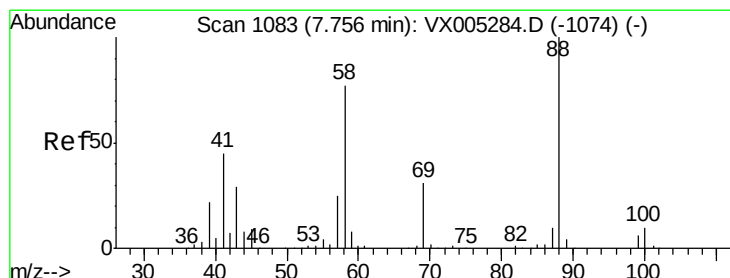
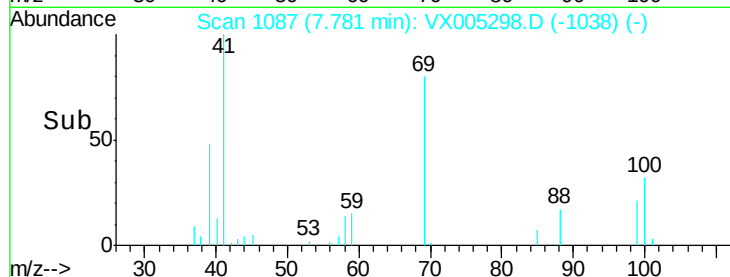
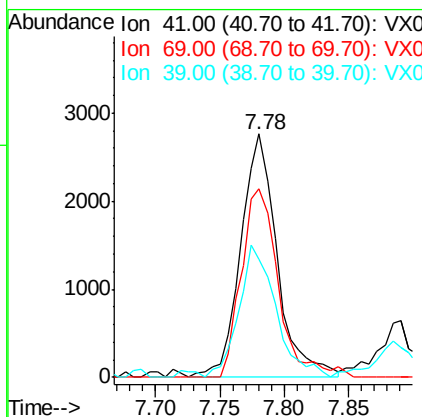
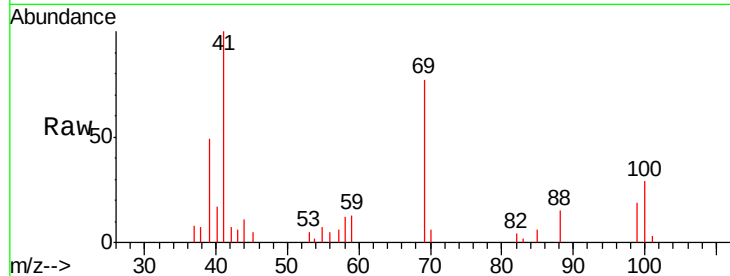
#48
Methyl methacrylate
Concen: 1.94 ug/l
RT: 7.78 min Scan# 1087
Delta R.T. 0.00 min
Lab File: VX005298.D
Acq: 12 Oct 2018 17:25

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2018

Tgt Ion: 41 Resp: 5399
Ion Ratio Lower Upper
41 100
69 79.2 70.2 105.4
39 55.3 42.7 64.1

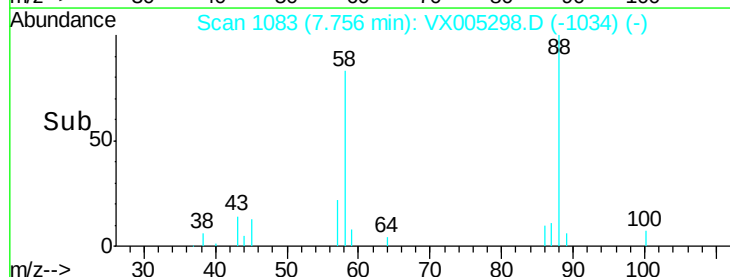
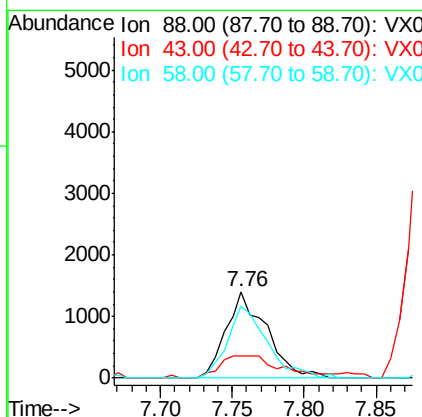
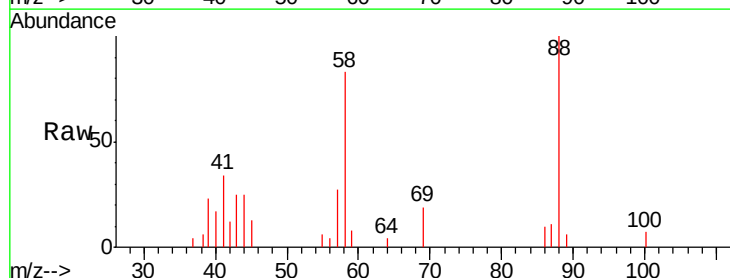
Manual Integrations
APPROVED

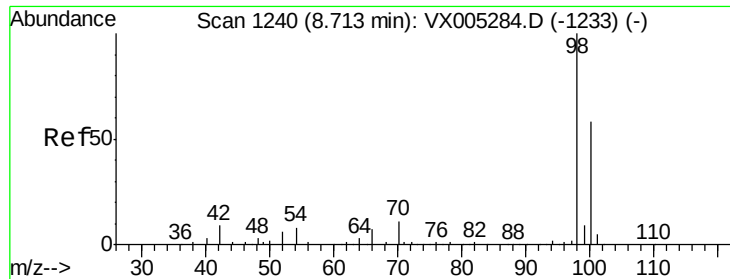
MMDadoda
10/17/2018 9:05:15 AM



#49
1,4-Dioxane
Concen: 42.75 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. 0.00 min
Lab File: VX005298.D
Acq: 12 Oct 2018 17:25

Tgt Ion: 88 Resp: 2746
Ion Ratio Lower Upper
88 100
43 37.9 24.7 37.1#
58 82.7 55.3 82.9





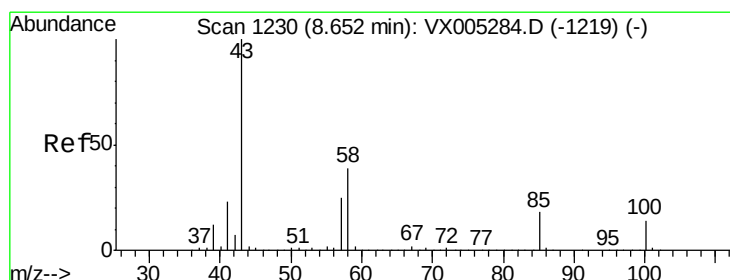
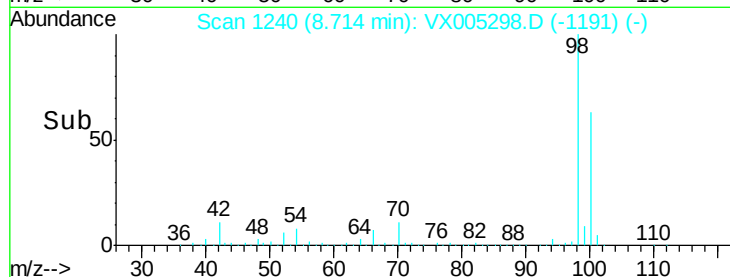
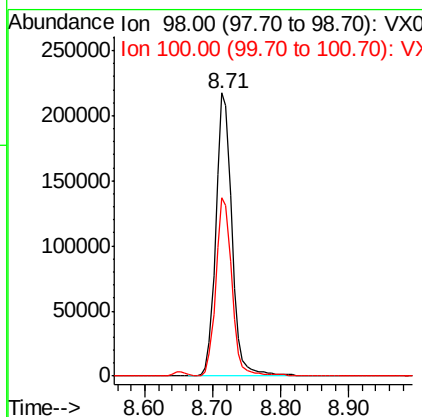
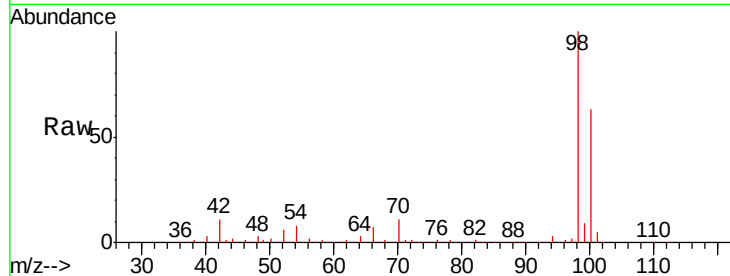
#50
Toluene-d8
Concen: 48.44 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX005298.D
Acq: 12 Oct 2018 17:25

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2018

Tgt Ion: 98 Resp: 356479
Ion Ratio Lower Upper
98 100
100 63.1 52.9 79.3

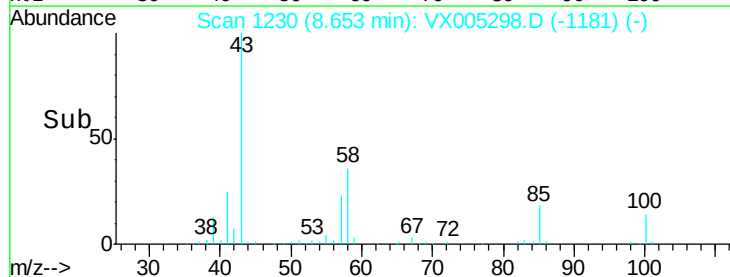
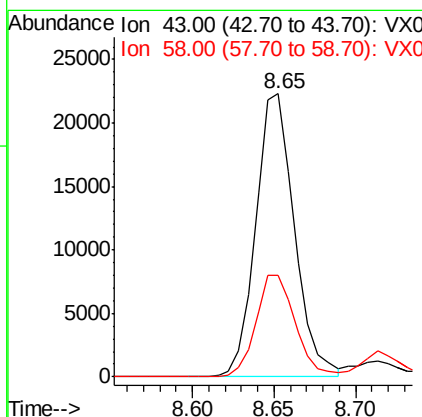
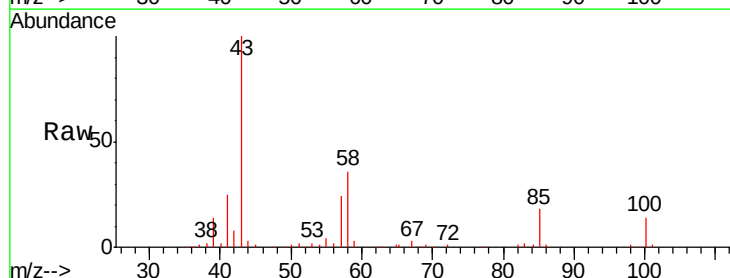
Manual Integrations
APPROVED

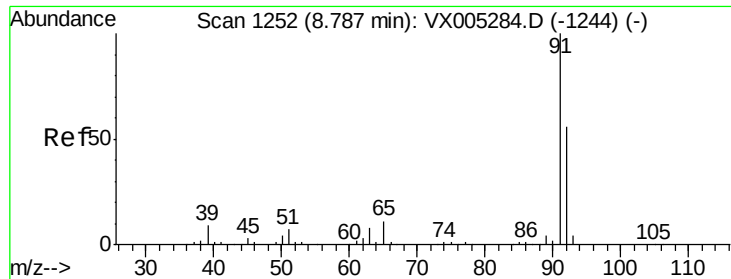
MMDadoda
10/17/2018 9:05:15 AM



#51
4-Methyl-2-Pentanone
Concen: 9.90 ug/l
RT: 8.65 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VX005298.D
Acq: 12 Oct 2018 17:25

Tgt Ion: 43 Resp: 36828
Ion Ratio Lower Upper
43 100
58 36.7 33.1 49.7





#52

Toluene

Concen: 2.04 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX005298.D

Acq: 12 Oct 2018 17:25

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT4-2018

Tgt Ion: 92 Resp: 10484

Ion Ratio Lower Upper

92 100

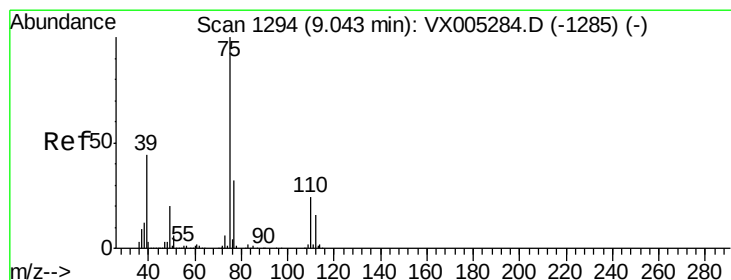
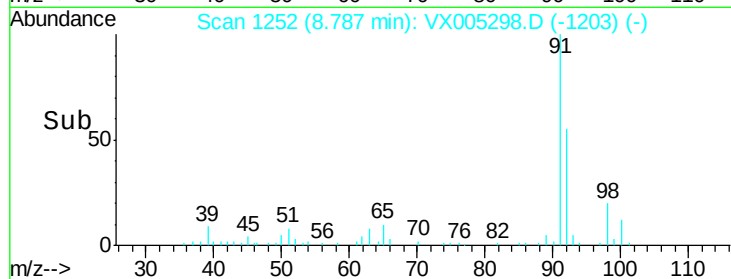
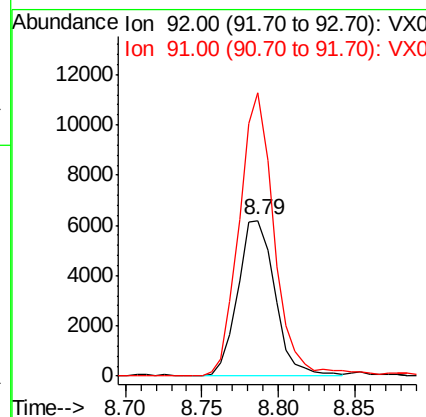
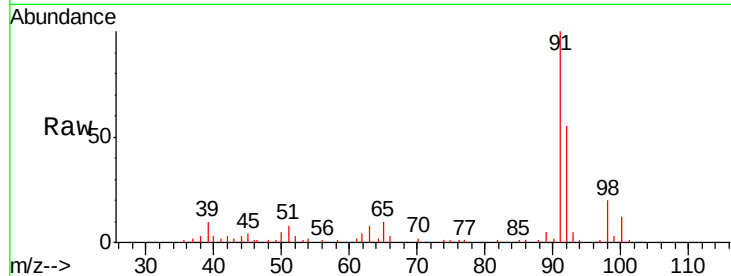
91 171.9 136.4 204.6

Manual Integrations

APPROVED

MMDadoda

10/17/2018 9:05:15 AM



#53

t-1,3-Dichloropropene

Concen: 1.85 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX005298.D

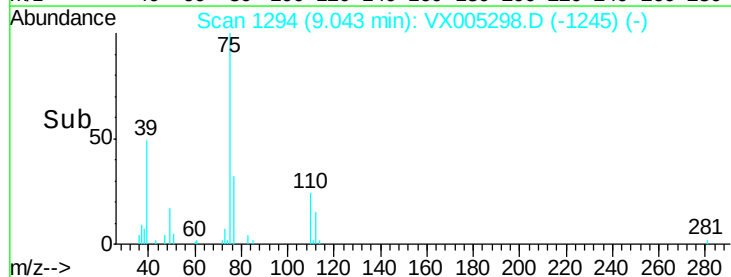
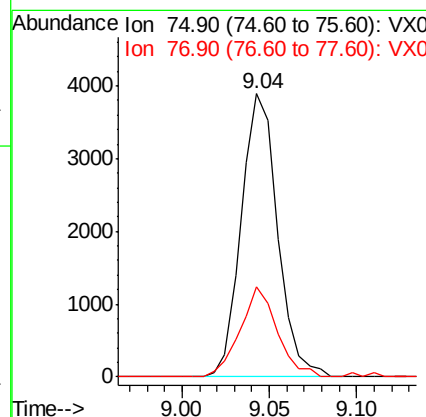
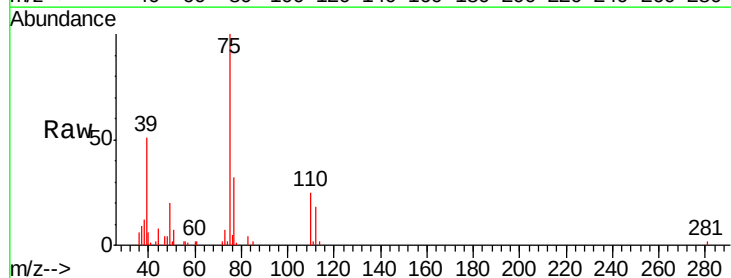
Acq: 12 Oct 2018 17:25

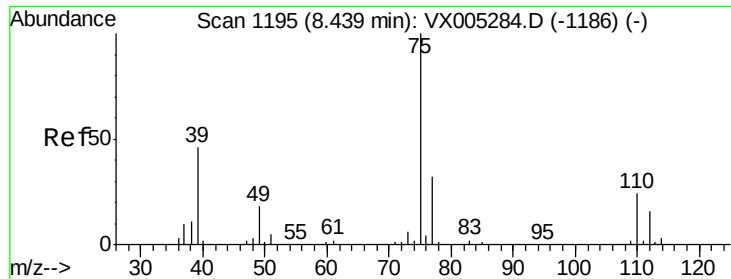
Tgt Ion: 75 Resp: 5624

Ion Ratio Lower Upper

75 100

77 31.8 24.6 37.0





#54

cis-1,3-Dichloropropene

Concen: 1.94 ug/l

RT: 8.44 min Scan# 1195

Delta R.T. 0.00 min

Lab File: VX005298.D

Acq: 12 Oct 2018 17:25

Instrument :

MSVOA_X

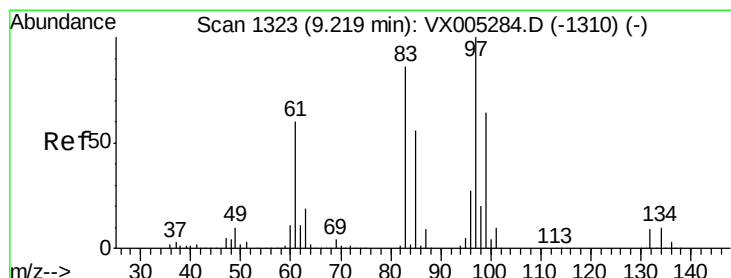
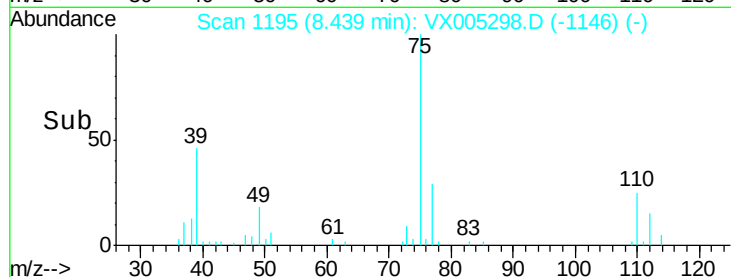
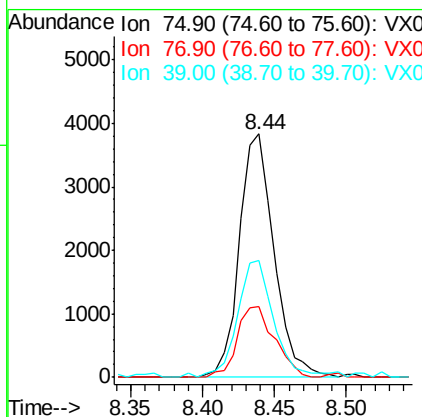
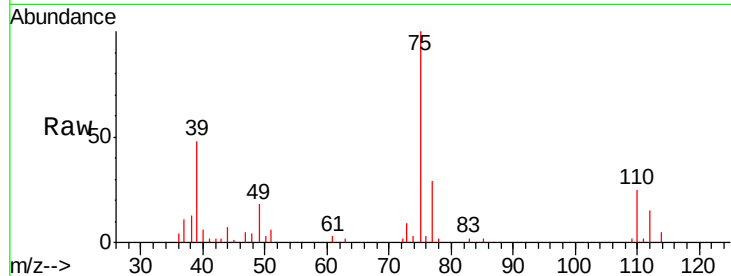
ClientSampleId :

LOQ-WATER-02-QT4-2018

Tgt Ion:	75	Resp:	6410
Ion	Ratio	Lower	Upper
75	100		
77	29.1	26.2	39.2
39	46.0	36.4	54.6

Manual Integrations
APPROVED

MMDadoda
10/17/2018 9:05:15 AM



#55

1,1,2-Trichloroethane

Concen: 2.13 ug/l

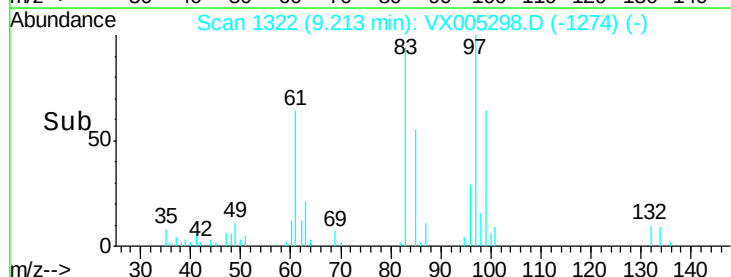
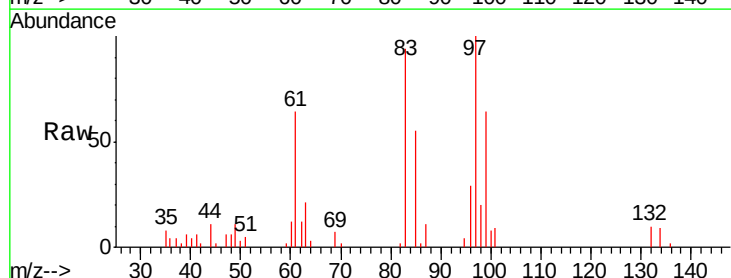
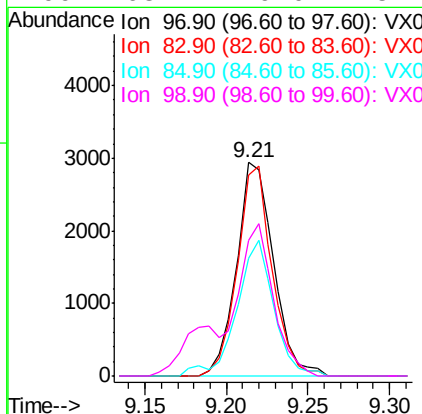
RT: 9.21 min Scan# 1322

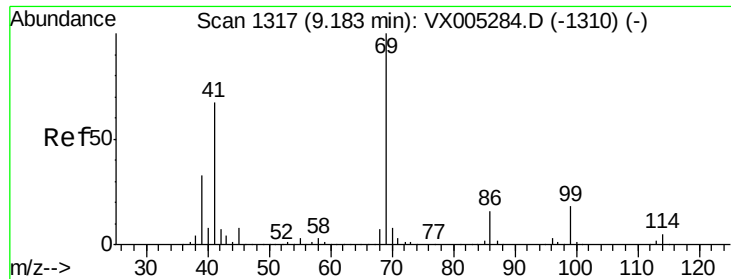
Delta R.T. -0.01 min

Lab File: VX005298.D

Acq: 12 Oct 2018 17:25

Tgt Ion:	97	Resp:	4644
Ion	Ratio	Lower	Upper
97	100		
83	94.1	66.4	99.6
85	54.9	43.3	64.9
99	63.7	49.0	73.4





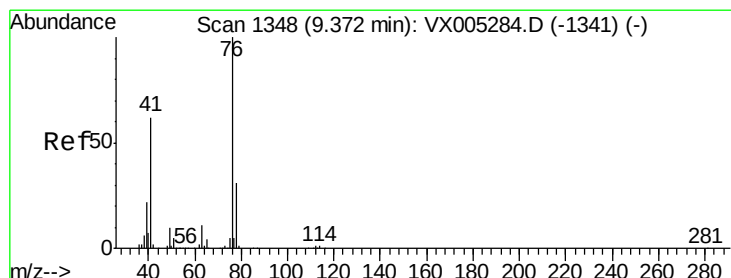
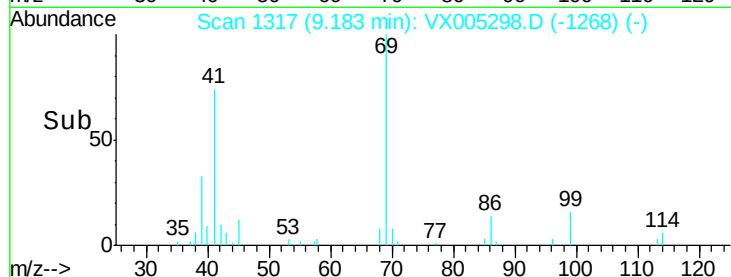
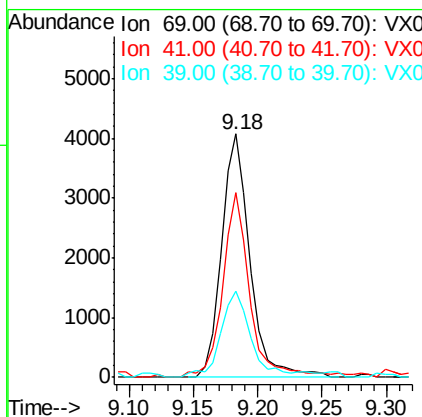
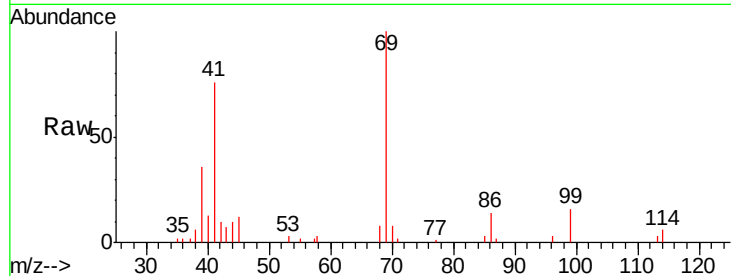
#56
Ethyl methacrylate
Concen: 1.98 ug/l
RT: 9.18 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VX005298.D
Acq: 12 Oct 2018 17:25

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2018

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	6293		
41	74.6		51.0	76.4
39	37.5		26.1	39.1

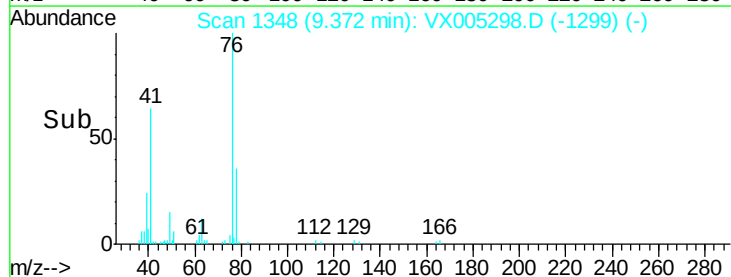
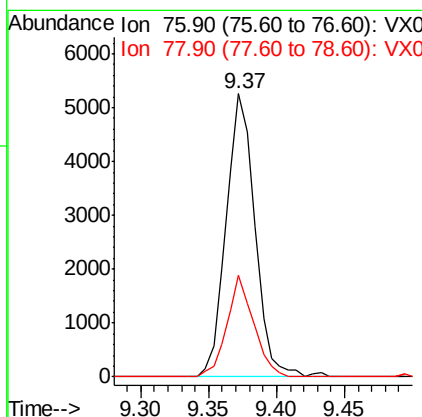
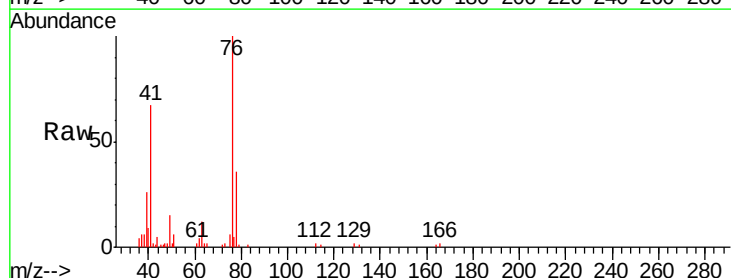
Manual Integrations
APPROVED

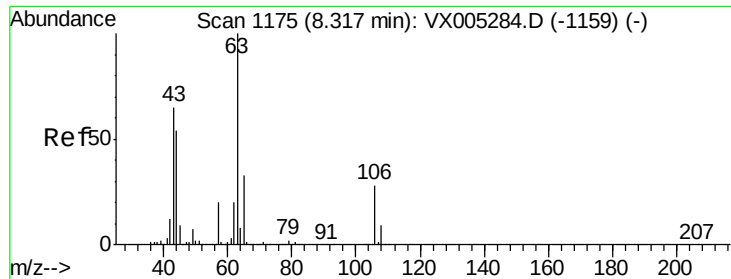
MMDadoda
10/17/2018 9:05:15 AM



#57
1,3-Dichloropropane
Concen: 2.13 ug/l
RT: 9.37 min Scan# 1348
Delta R.T. 0.00 min
Lab File: VX005298.D
Acq: 12 Oct 2018 17:25

Tgt Ion	Ratio	Resp	Lower	Upper
76	100	7756		
78	33.2		25.5	38.3





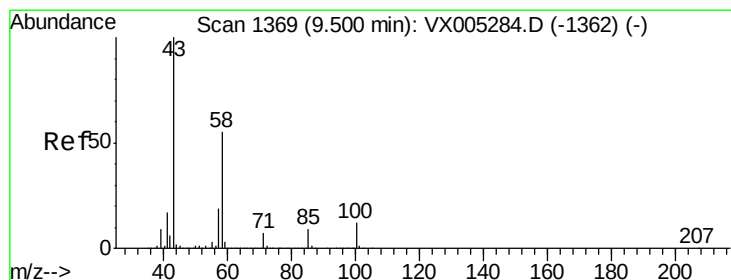
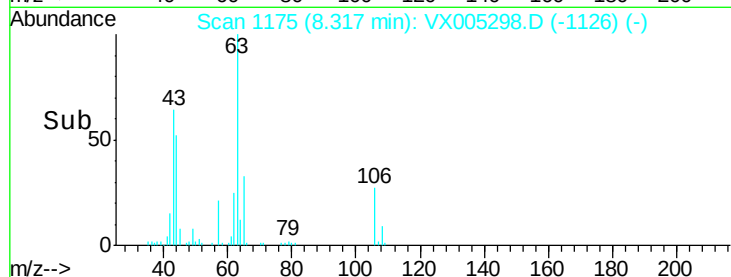
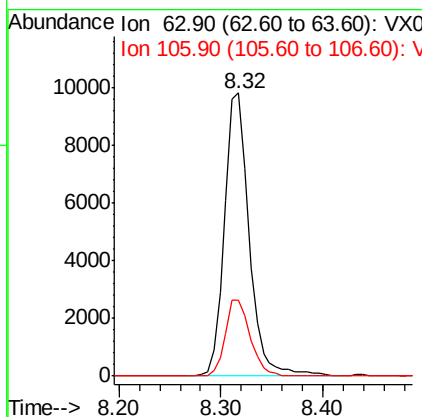
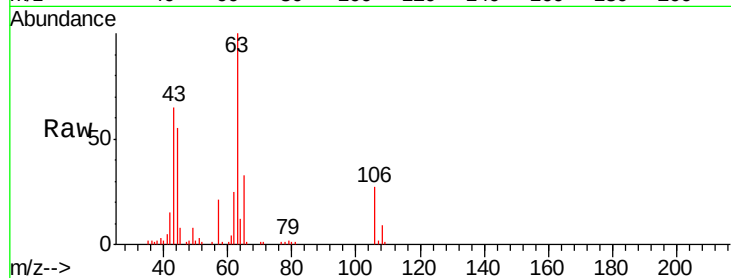
#58
2-Chloroethyl Vinyl ether
Concen: 9.25 ug/l
RT: 8.32 min Scan# 1175
Delta R.T. 0.00 min
Lab File: VX005298.D
Acq: 12 Oct 2018 17:25

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2018

Tgt Ion: 63 Resp: 16478
Ion Ratio Lower Upper
63 100
106 27.0 23.9 35.9

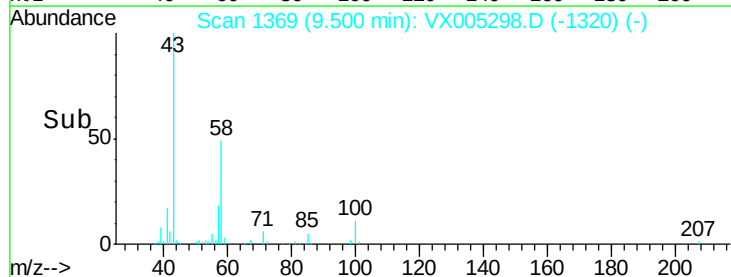
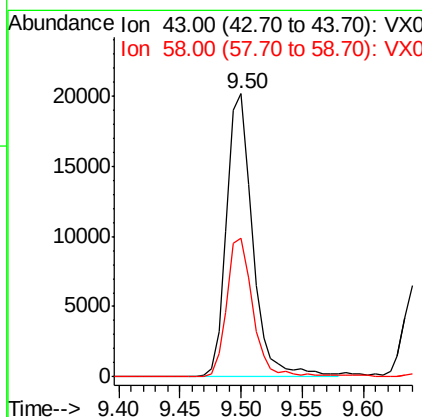
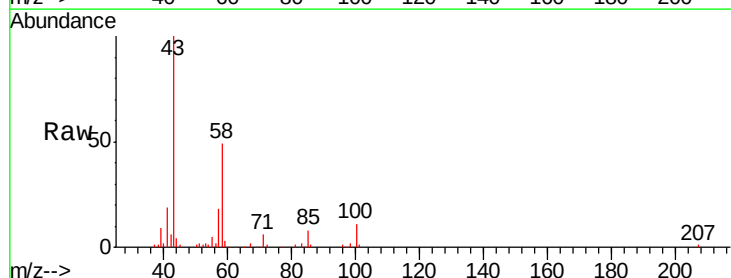
Manual Integrations
APPROVED

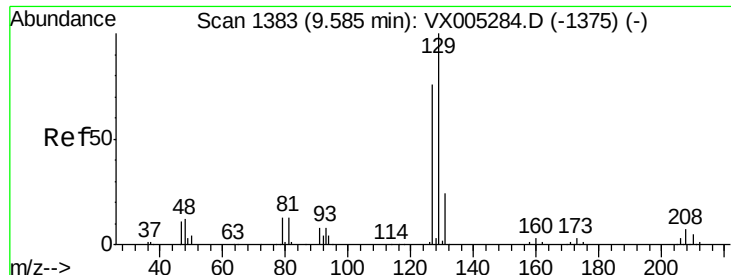
MMDadoda
10/17/2018 9:05:15 AM



#59
2-Hexanone
Concen: 9.96 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. 0.00 min
Lab File: VX005298.D
Acq: 12 Oct 2018 17:25

Tgt Ion: 43 Resp: 29802
Ion Ratio Lower Upper
43 100
58 49.4 29.0 87.0





#60

Dibromochloromethane

Concen: 1.95 ug/l

RT: 9.59 min Scan# 1383

Delta R.T. 0.00 min

Lab File: VX005298.D

Acq: 12 Oct 2018 17:25

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT4-2018

Tgt Ion:129 Resp: 4383

Ion Ratio Lower Upper

129 100

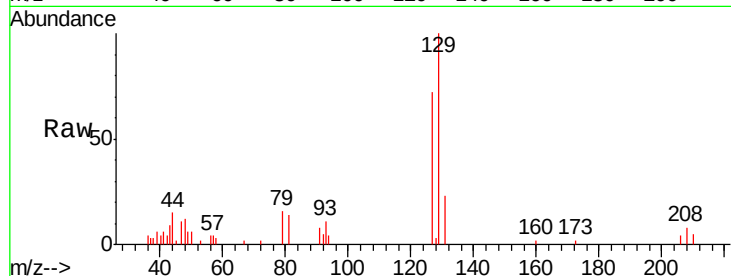
127 76.9 38.5 115.5

Manual Integrations

APPROVED

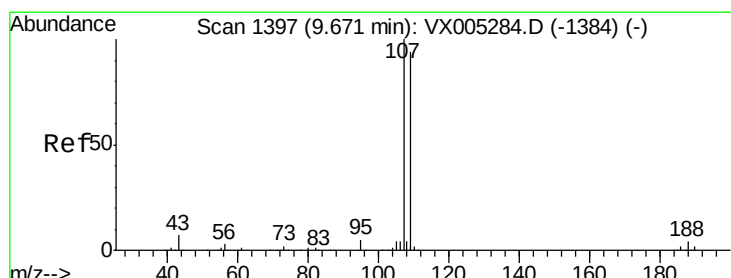
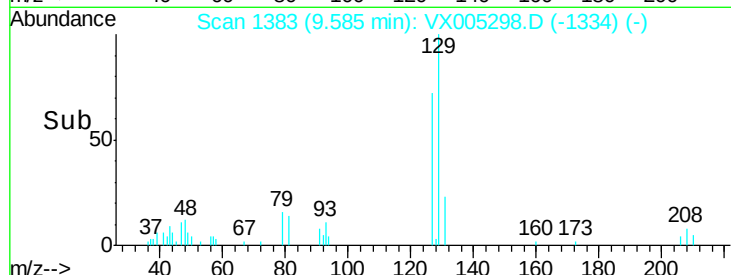
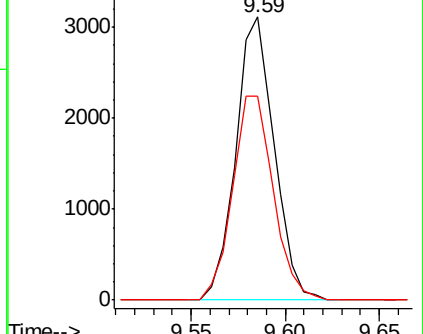
MMDadoda

10/17/2018 9:05:15 AM



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 2.09 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX005298.D

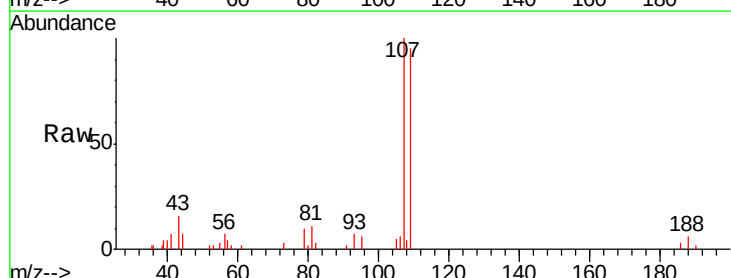
Acq: 12 Oct 2018 17:25

Tgt Ion:107 Resp: 4773

Ion Ratio Lower Upper

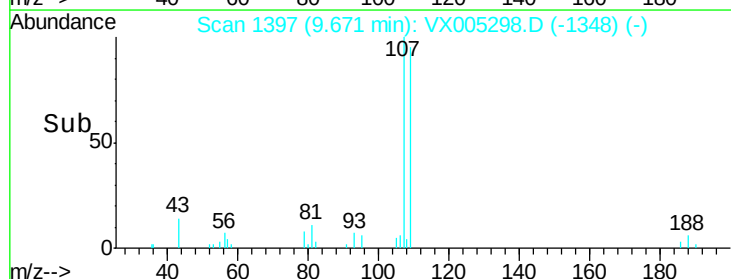
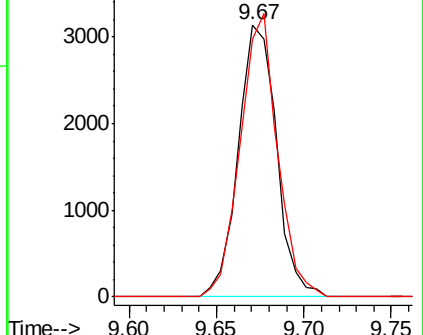
107 100

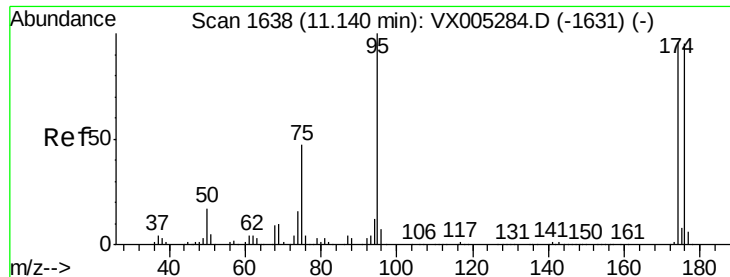
109 101.0 76.0 114.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 46.68 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX005298.D

Acq: 12 Oct 2018 17:25

Instrument :

MSVOA_X

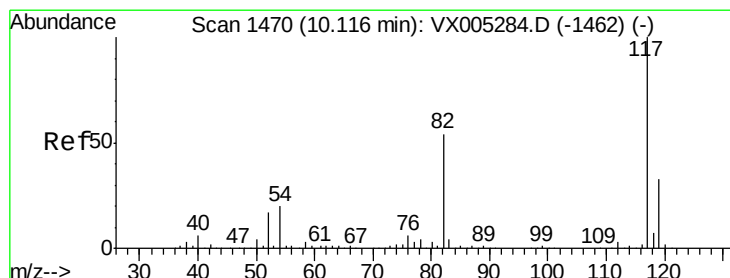
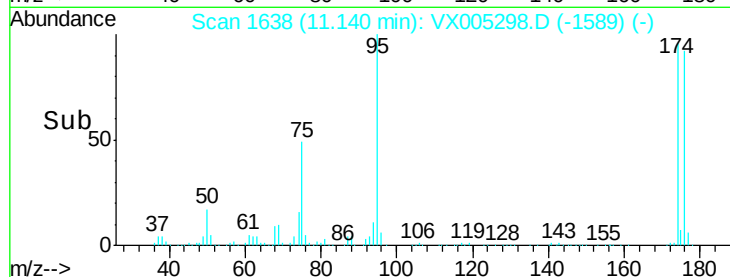
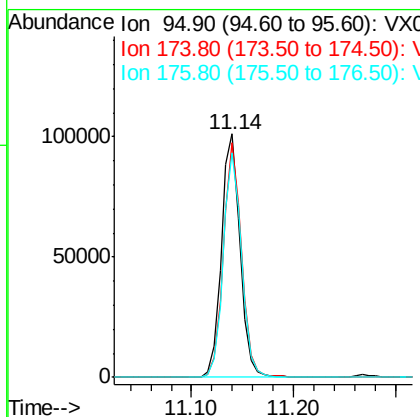
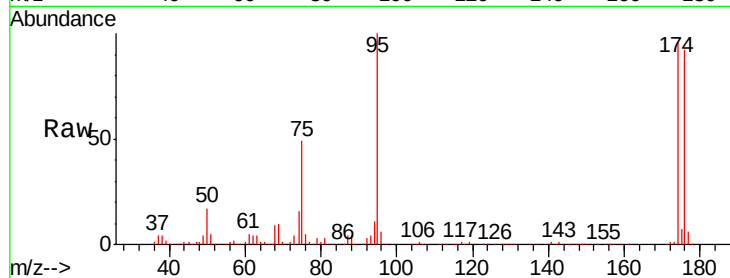
ClientSampleId :

LOQ-WATER-02-QT4-2018

Tgt Ion:	95	Resp:	129066
Ion Ratio	Lower	Upper	
95	100		
174	93.4	0.0	185.2
176	90.5	0.0	178.6

Manual Integrations
APPROVED

MMDadoda
10/17/2018 9:05:15 AM



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

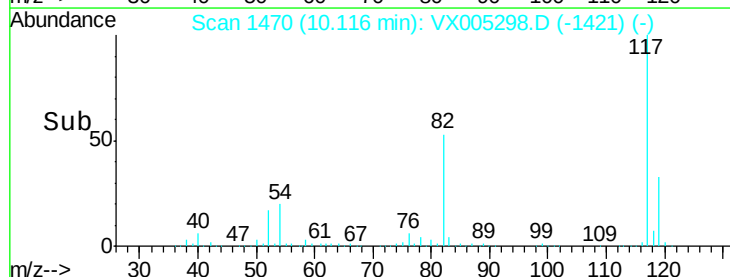
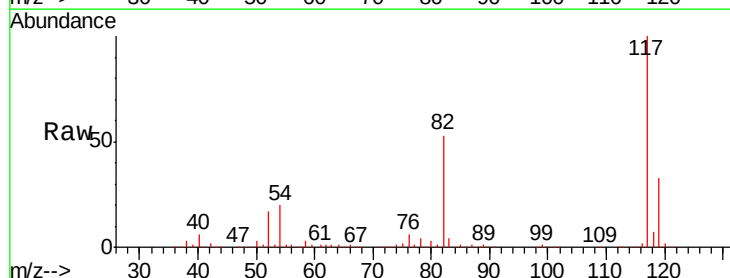
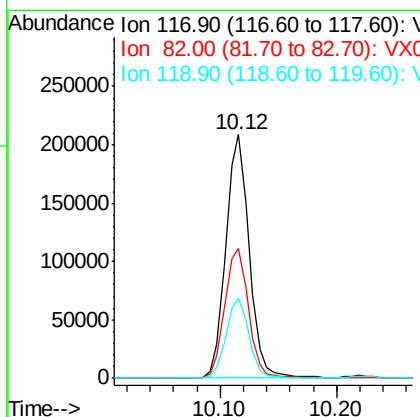
RT: 10.12 min Scan# 1470

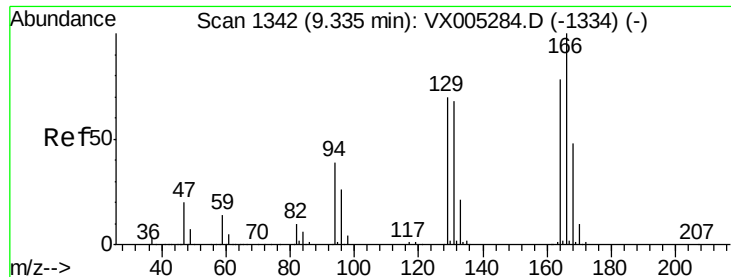
Delta R.T. 0.00 min

Lab File: VX005298.D

Acq: 12 Oct 2018 17:25

Tgt Ion:	117	Resp:	290601
Ion Ratio	Lower	Upper	
117	100		
82	53.2	47.8	71.6
119	32.8	29.3	43.9





#64

Tetrachloroethene

Concen: 1.89 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX005298.D

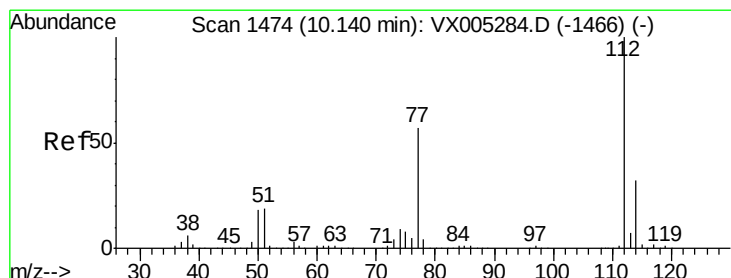
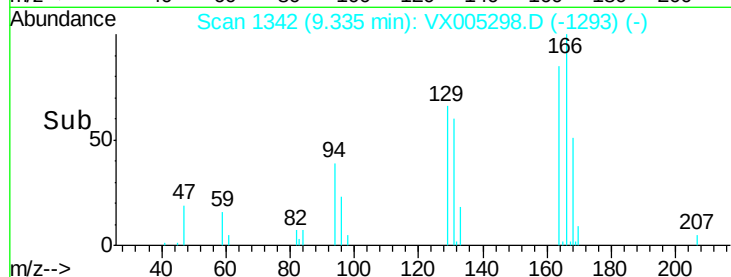
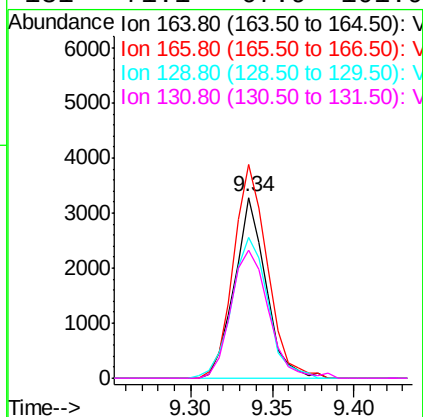
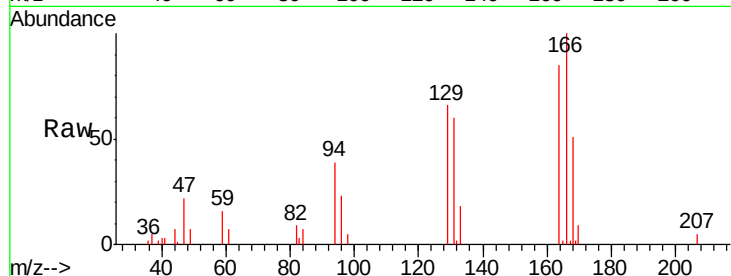
Acq: 12 Oct 2018 17:25

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2018

Tgt Ion:	164	Resp:	4424
Ion Ratio	Lower	Upper	
164	100		
166	118.3	102.8	154.2
129	77.9	69.4	104.0
131	71.1	67.9	101.9

Manual Integrations
APPROVED

MMDadoda
10/17/2018 9:05:15 AM



#65

Chlorobenzene

Concen: 2.04 ug/l

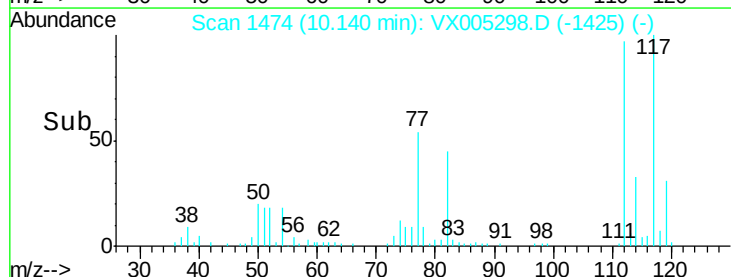
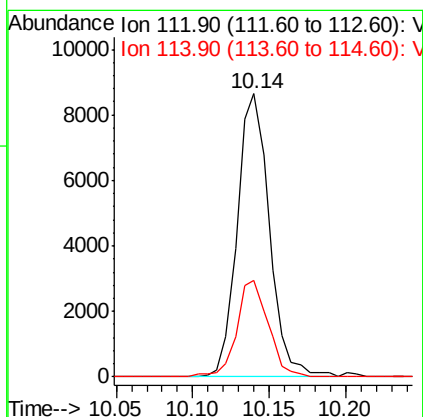
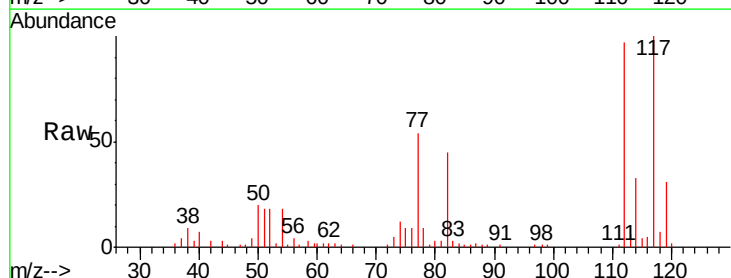
RT: 10.14 min Scan# 1474

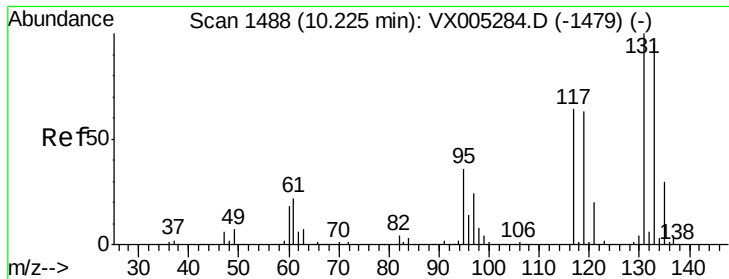
Delta R.T. 0.00 min

Lab File: VX005298.D

Acq: 12 Oct 2018 17:25

Tgt Ion:	112	Resp:	12588
Ion Ratio	Lower	Upper	
112	100		
114	34.1	27.8	41.8





#66

1,1,1,2-Tetrachloroethane

Concen: 1.96 ug/l

RT: 10.23 min Scan# 1488

Delta R.T. 0.00 min

Lab File: VX005298.D

Acq: 12 Oct 2018 17:25

Instrument :

MSVOA_X

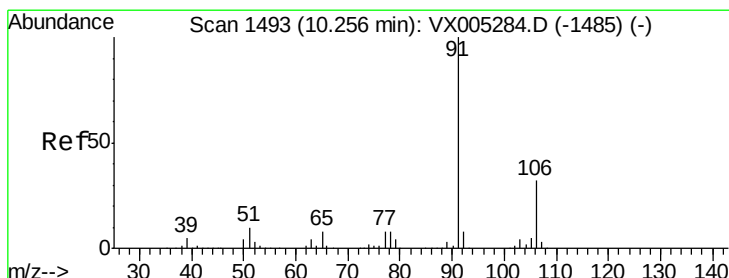
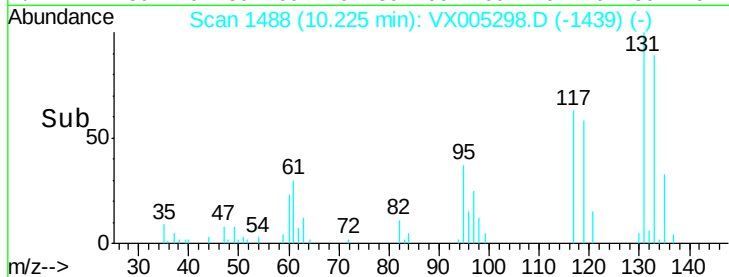
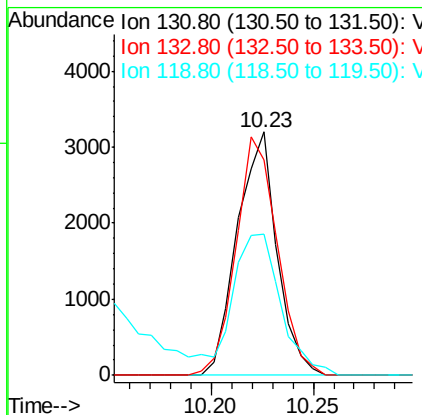
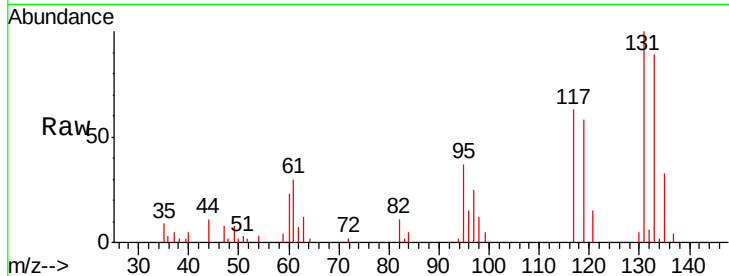
ClientSampleId :

LOQ-WATER-02-QT4-2018

Tgt Ion	Ratio	Lower	Upper
131	100		
133	101.9	48.1	144.4
119	72.8	32.9	98.6

Manual Integrations
APPROVED

MMDadoda
10/17/2018 9:05:15 AM



#67

Ethyl Benzene

Concen: 1.75 ug/l

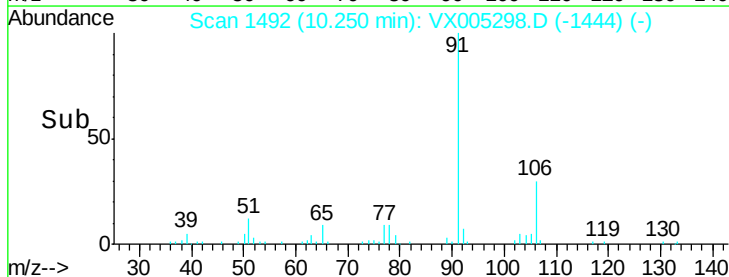
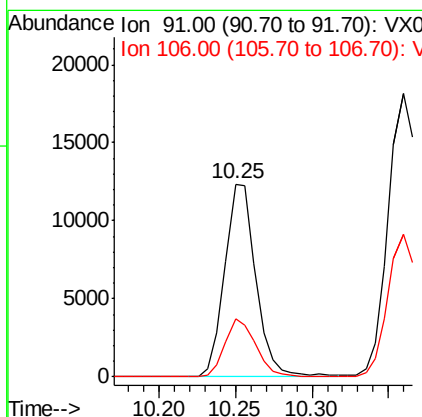
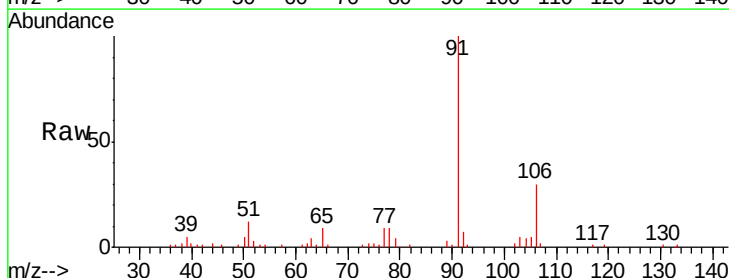
RT: 10.25 min Scan# 1492

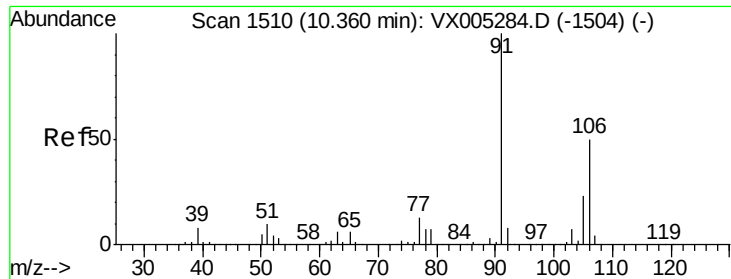
Delta R.T. -0.01 min

Lab File: VX005298.D

Acq: 12 Oct 2018 17:25

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.1	25.9	38.9





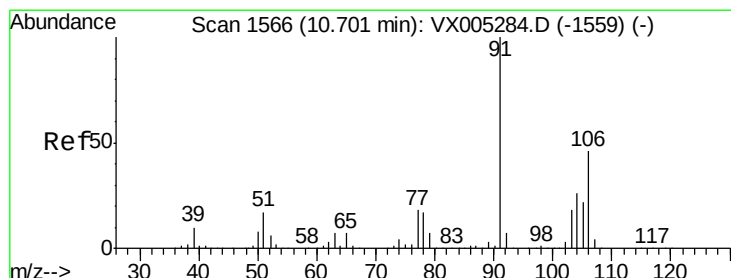
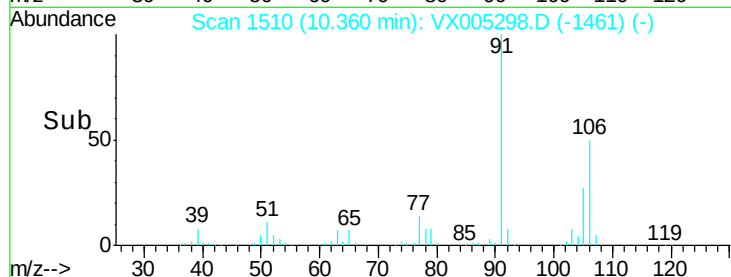
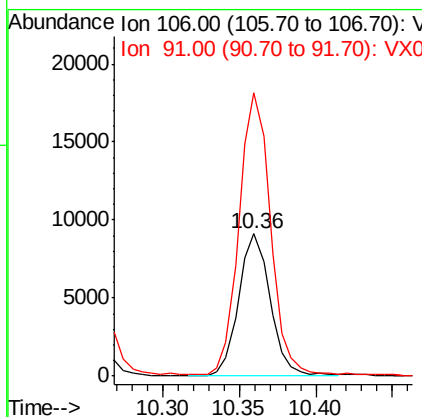
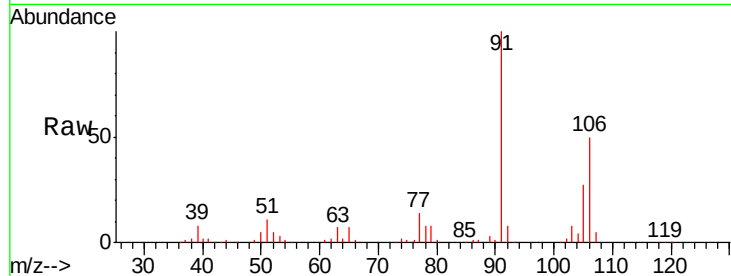
#68
m/p-Xylenes
Concen: 3.39 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX005298.D
Acq: 12 Oct 2018 17:25

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2018

Tgt Ion:106 Resp: 13228
Ion Ratio Lower Upper
106 100
91 195.3 157.1 235.7

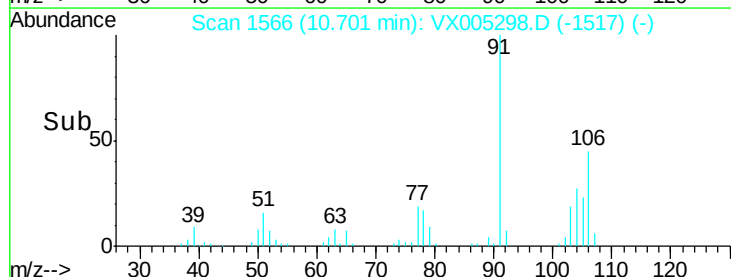
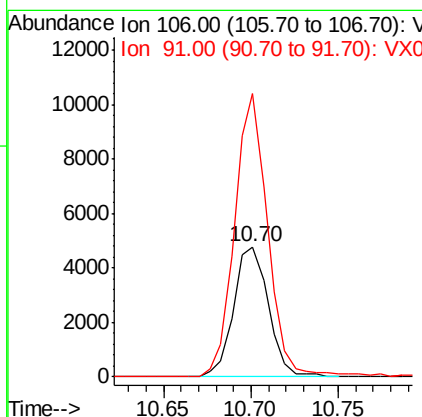
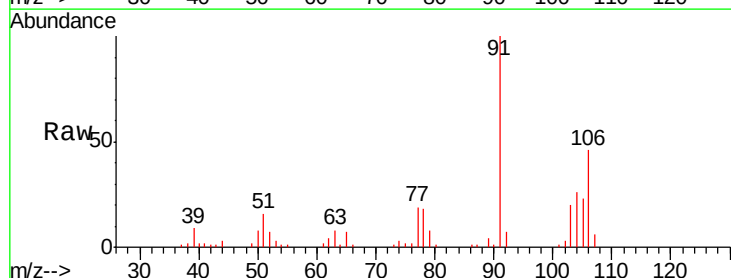
Manual Integrations
APPROVED

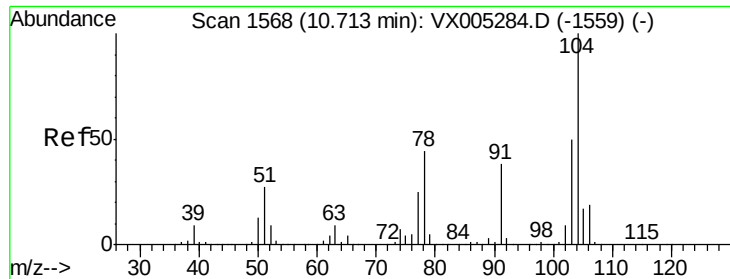
MMDadoda
10/17/2018 9:05:15 AM



#69
o-Xylene
Concen: 1.76 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX005298.D
Acq: 12 Oct 2018 17:25

Tgt Ion:106 Resp: 6622
Ion Ratio Lower Upper
106 100
91 207.8 105.1 315.1





#70

Styrene

Concen: 1.66 ug/l

RT: 10.71 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VX005298.D

Acq: 12 Oct 2018 17:25

Instrument :

MSVOA_X

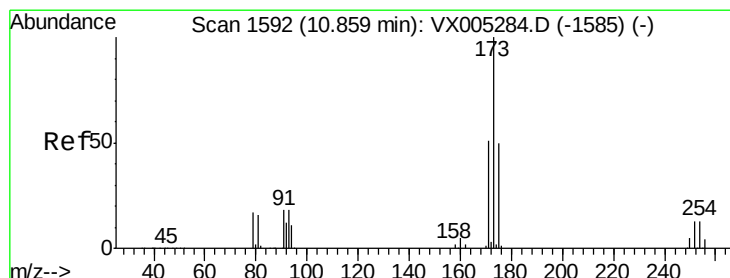
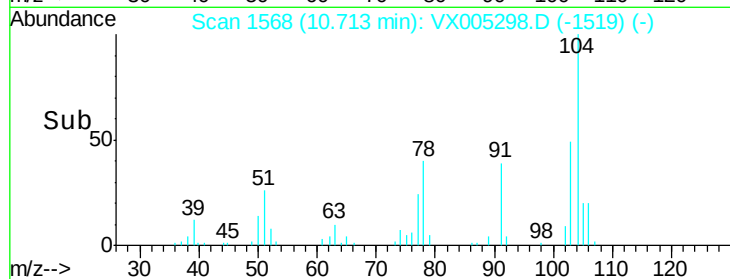
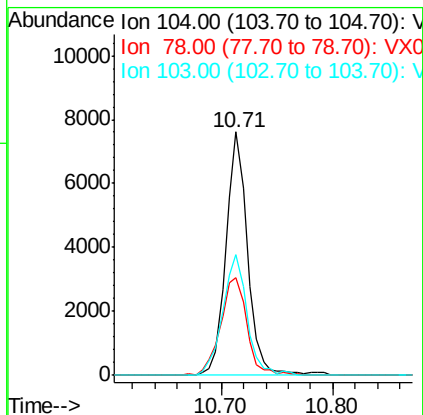
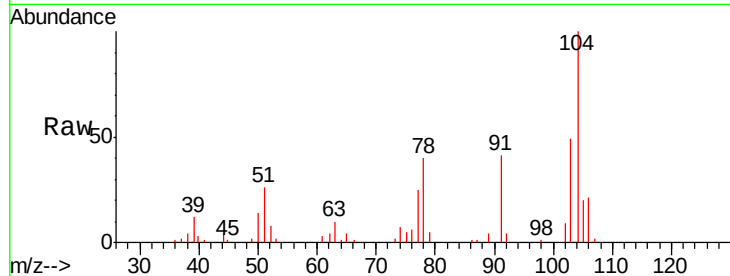
ClientSampleId :

LOQ-WATER-02-QT4-2018

Tgt Ion:	104	Resp:	10271
Ion Ratio	Lower	Upper	
104	100		
78	48.8	37.4	56.0
103	55.9	43.8	65.6

Manual Integrations
APPROVED

MMDadoda
10/17/2018 9:05:15 AM



#71

Bromoform

Concen: 1.89 ug/l

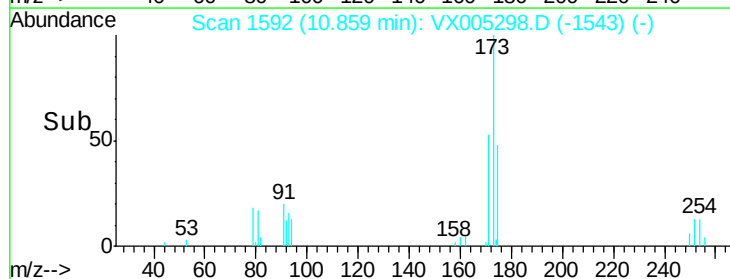
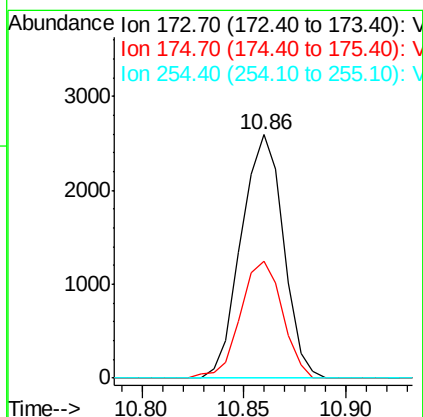
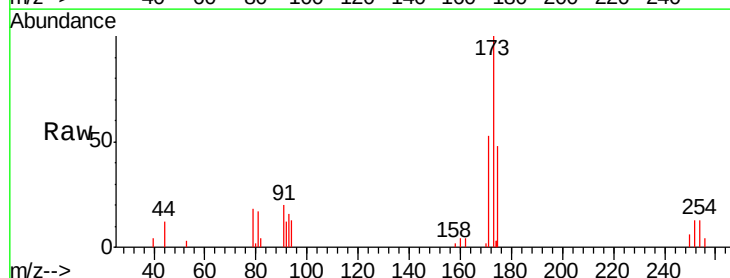
RT: 10.86 min Scan# 1592

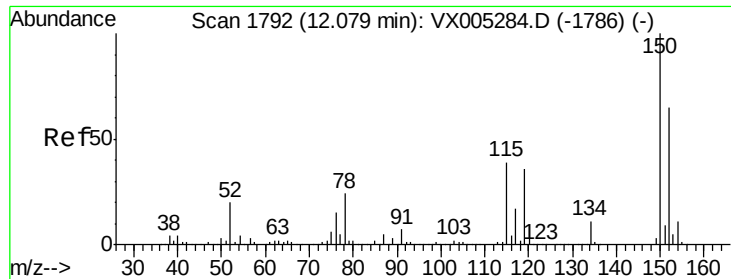
Delta R.T. 0.00 min

Lab File: VX005298.D

Acq: 12 Oct 2018 17:25

Tgt Ion:	173	Resp:	3718
Ion Ratio	Lower	Upper	
173	100		
175	47.7	24.1	72.3
254	0.0	0.2	0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX005298.D

Acq: 12 Oct 2018 17:25

Instrument :

MSVOA_X

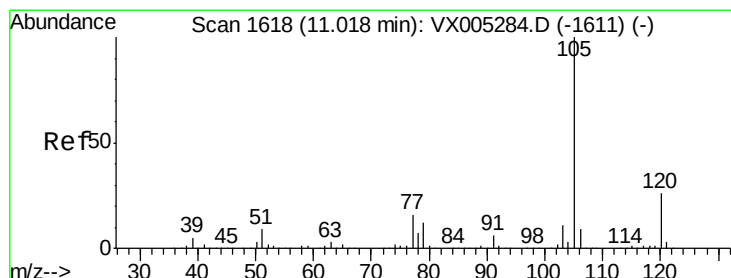
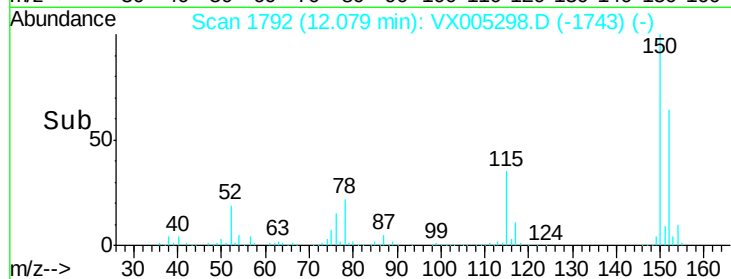
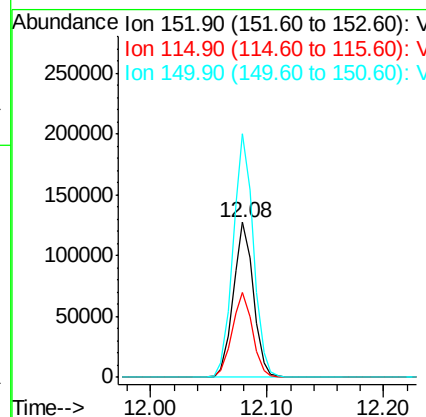
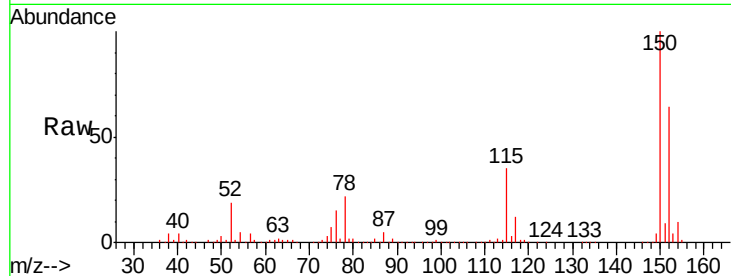
ClientSampleId :

LOQ-WATER-02-QT4-2018

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	152346		
115	56.1	39.0	117.0	
150	158.5	0.0	351.0	

Manual Integrations
APPROVED

MMDadoda
10/17/2018 9:05:15 AM



#73

Isopropylbenzene

Concen: 1.64 ug/l

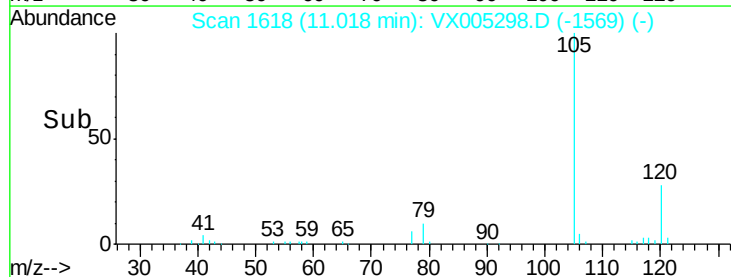
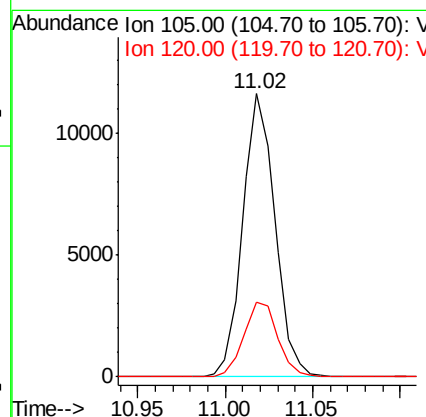
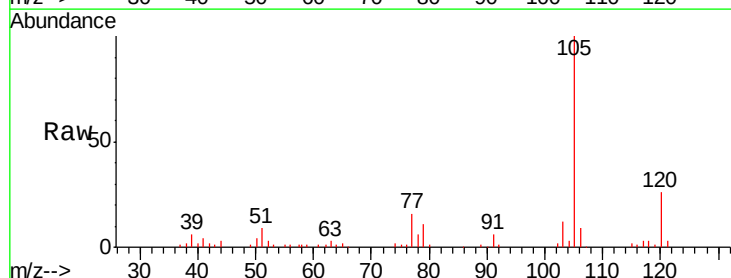
RT: 11.02 min Scan# 1618

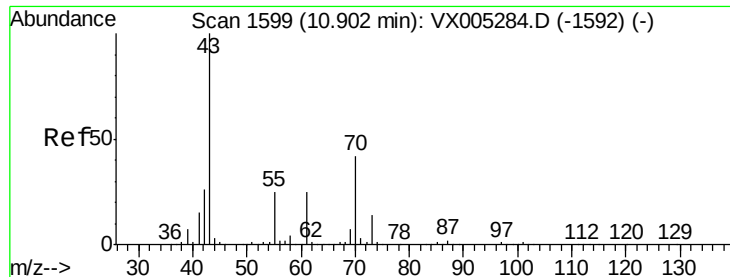
Delta R.T. 0.00 min

Lab File: VX005298.D

Acq: 12 Oct 2018 17:25

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	14894		
120	27.8	13.5	40.4	





#74

N-amyI acetate

Concen: 1.88 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. 0.00 min

Lab File: VX005298.D

Acq: 12 Oct 2018 17:25

Instrument :

MSVOA_X

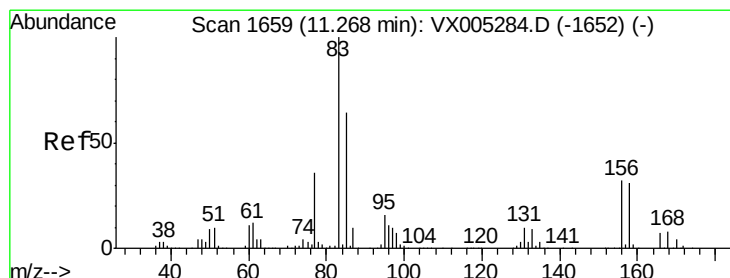
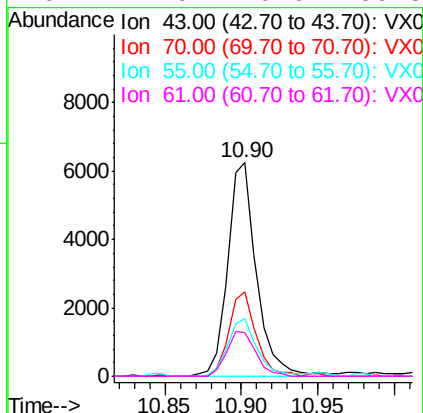
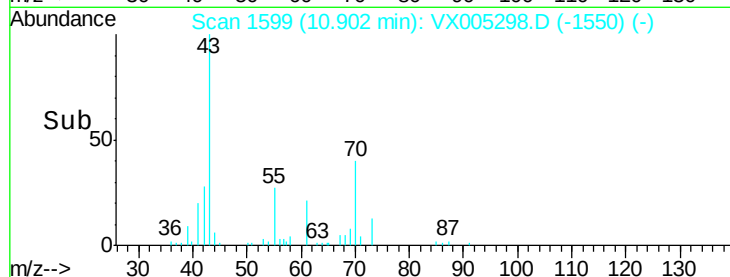
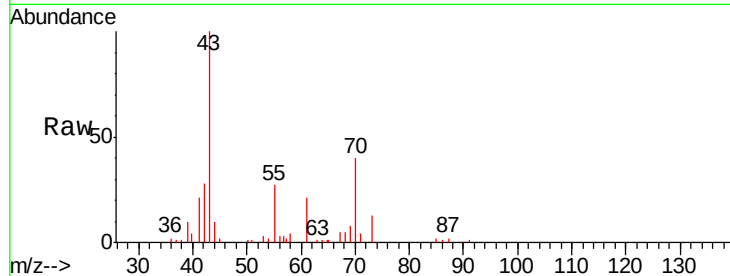
ClientSampleId :

LOQ-WATER-02-QT4-2018

Tgt Ion:	43	Resp:	8191
Ion Ratio	Lower	Upper	
43	100		
70	36.9	37.4	56.0#
55	27.4	21.8	32.8
61	21.0	20.6	30.8

Manual Integrations
APPROVED

MMDadoda
10/17/2018 9:05:15 AM



#75

1,1,2,2-Tetrachloroethane

Concen: 2.30 ug/l

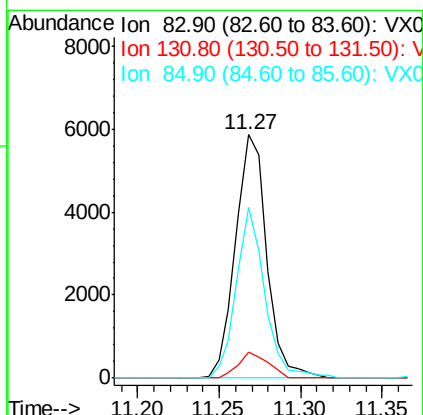
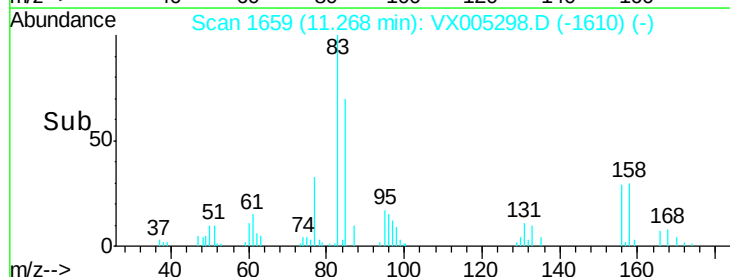
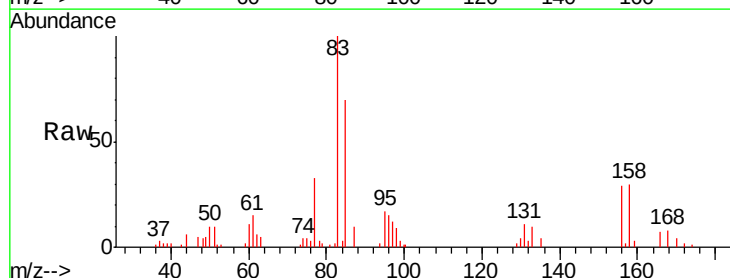
RT: 11.27 min Scan# 1659

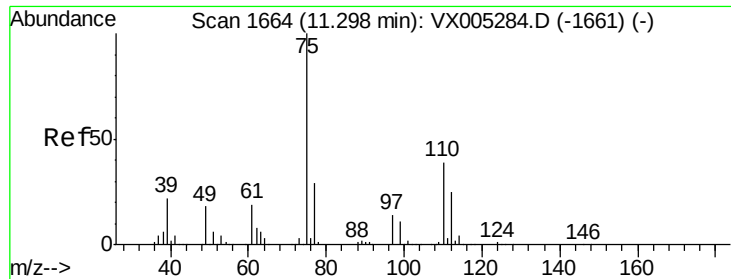
Delta R.T. 0.00 min

Lab File: VX005298.D

Acq: 12 Oct 2018 17:25

Tgt Ion:	83	Resp:	7849
Ion Ratio	Lower	Upper	
83	100		
131	9.9	5.2	15.6
85	64.0	32.3	96.8





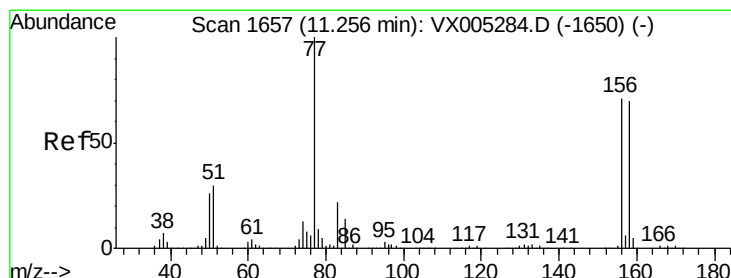
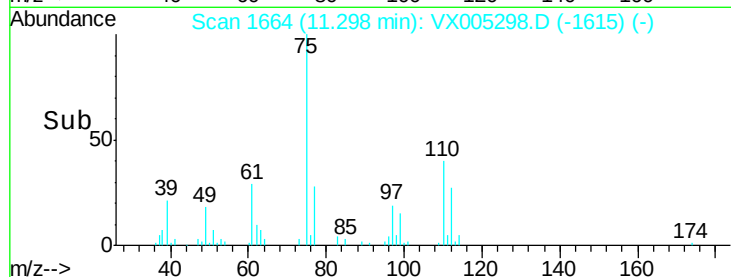
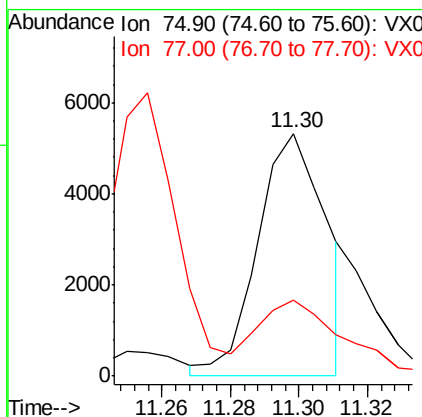
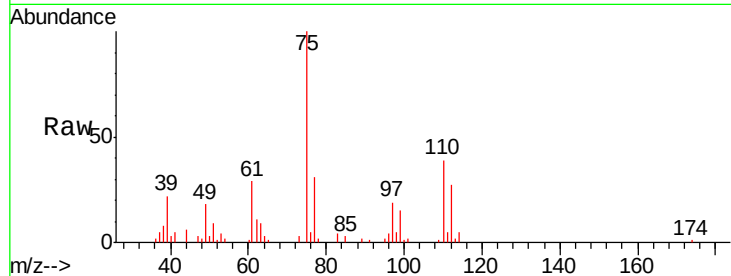
#76
 1,2,3-Trichloropropane
 Concen: 2.49 ug/l m
 RT: 11.30 min Scan# 1664
 Delta R.T. 0.00 min
 Lab File: VX005298.D
 Acq: 12 Oct 2018 17:25

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT4-2018

Tgt Ion: 75 Resp: 7351
 Ion Ratio Lower Upper
 75 100
 77 39.7 20.2 60.6

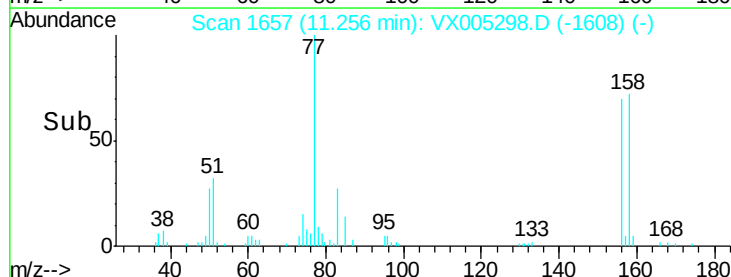
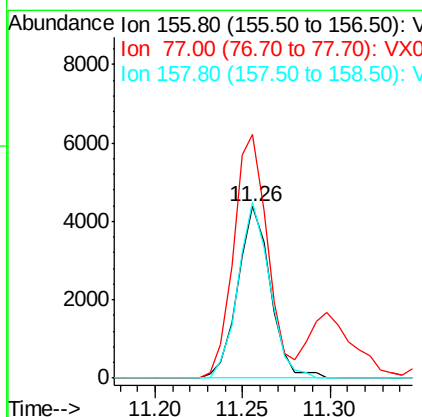
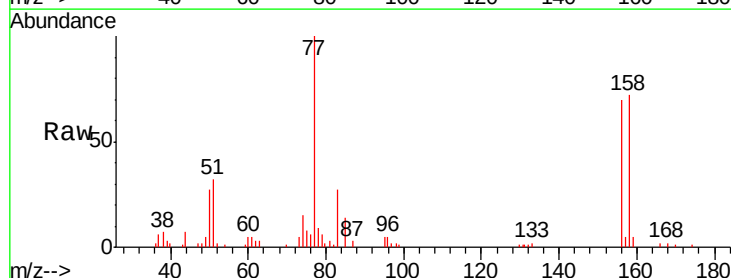
Manual Integrations
 APPROVED

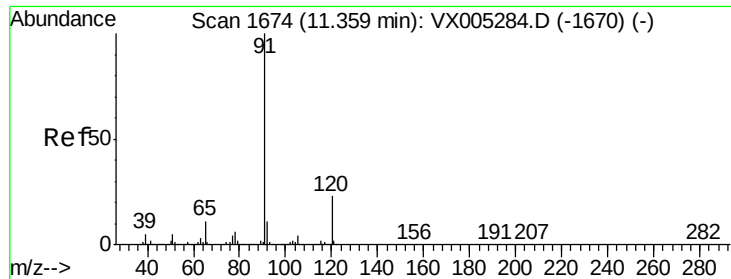
MMDadoda
 10/17/2018 9:05:15 AM



#77
 Bromobenzene
 Concen: 2.21 ug/l
 RT: 11.26 min Scan# 1657
 Delta R.T. 0.00 min
 Lab File: VX005298.D
 Acq: 12 Oct 2018 17:25

Tgt Ion: 156 Resp: 5711
 Ion Ratio Lower Upper
 156 100
 77 148.1 71.5 214.3
 158 99.3 48.9 146.8





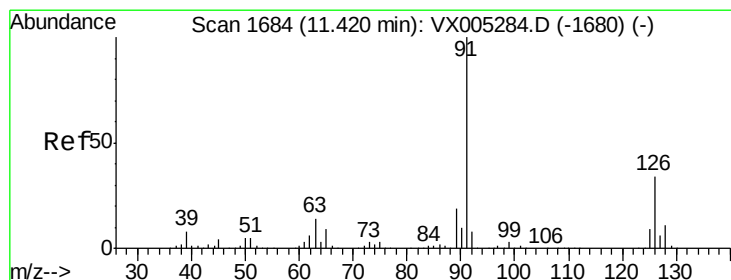
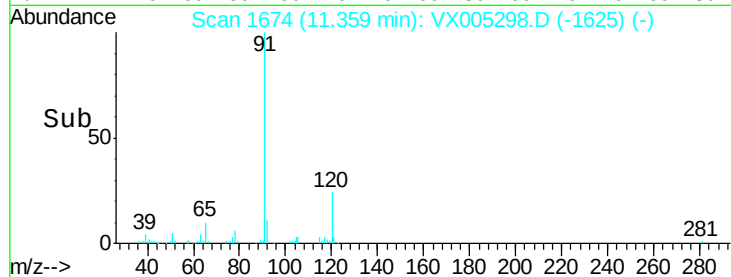
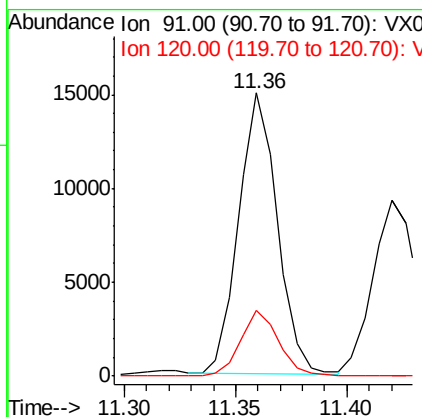
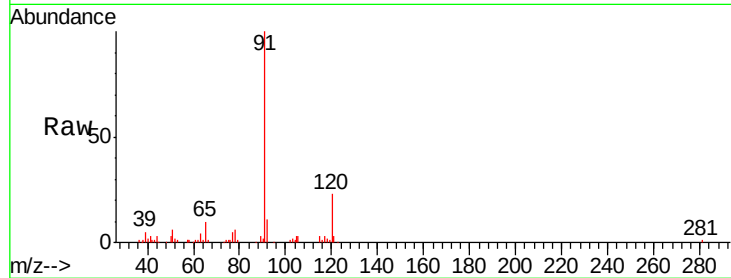
#78
n-propylbenzene
Concen: 1.73 ug/l
RT: 11.36 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VX005298.D
Acq: 12 Oct 2018 17:25

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2018

Tgt Ion: 91 Resp: 18070
Ion Ratio Lower Upper
91 100
120 23.3 11.9 35.9

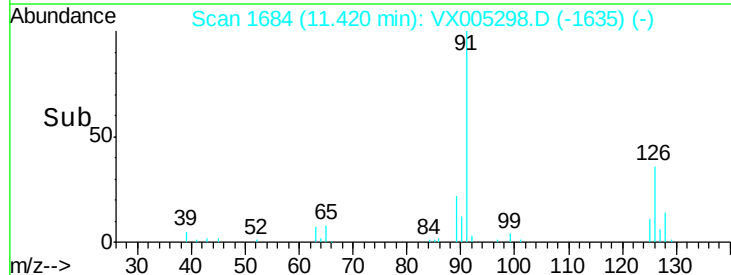
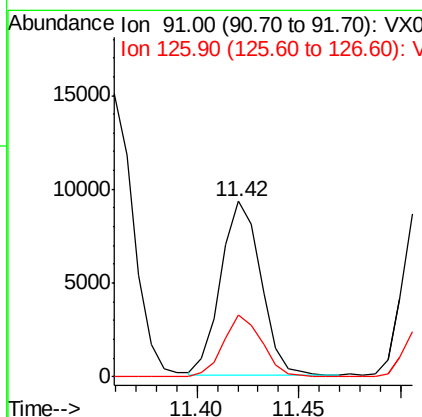
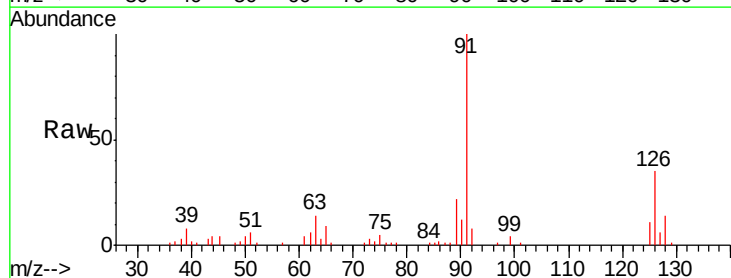
Manual Integrations
APPROVED

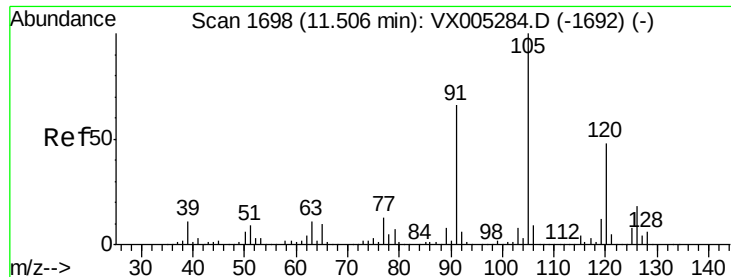
MMDadoda
10/17/2018 9:05:15 AM



#79
2-Chlorotoluene
Concen: 1.98 ug/l
RT: 11.42 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VX005298.D
Acq: 12 Oct 2018 17:25

Tgt Ion: 91 Resp: 12621
Ion Ratio Lower Upper
91 100
126 34.1 17.9 53.7





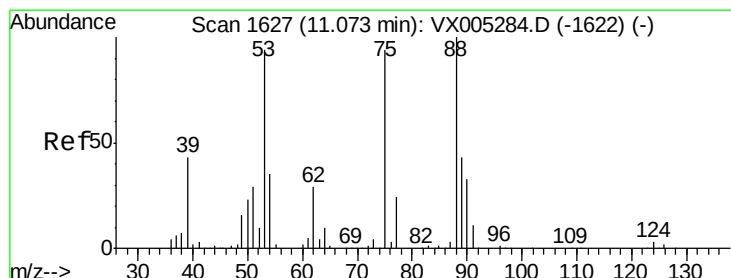
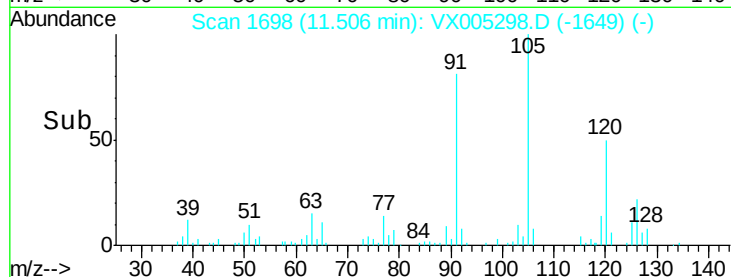
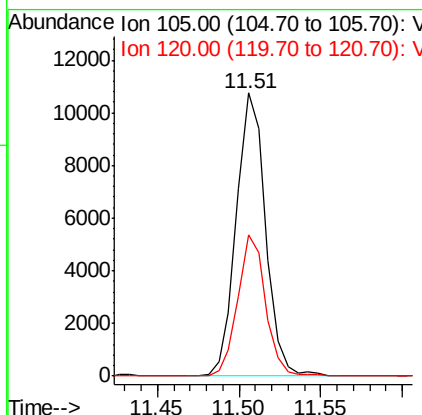
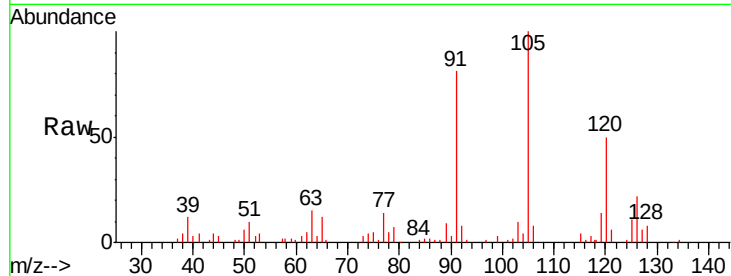
#80
 1,3,5-Trimethylbenzene
 Concen: 1.73 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX005298.D
 Acq: 12 Oct 2018 17:25

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT4-2018

Tgt Ion: 105 Resp: 13439
 Ion Ratio Lower Upper
 105 100
 120 47.6 25.6 76.8

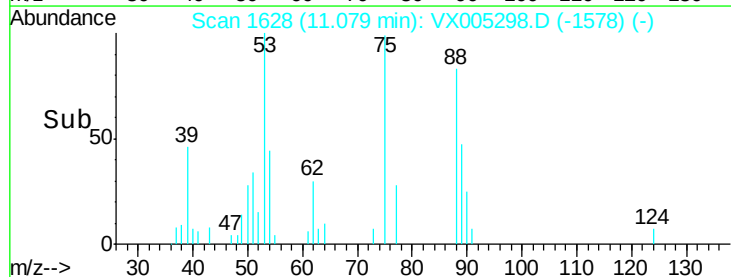
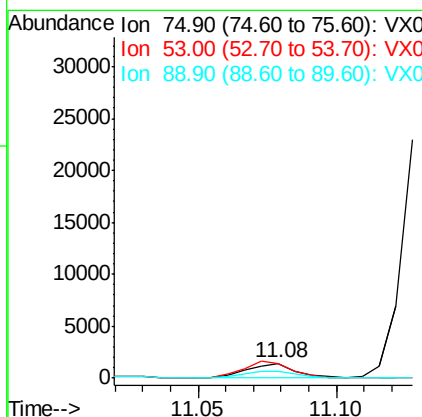
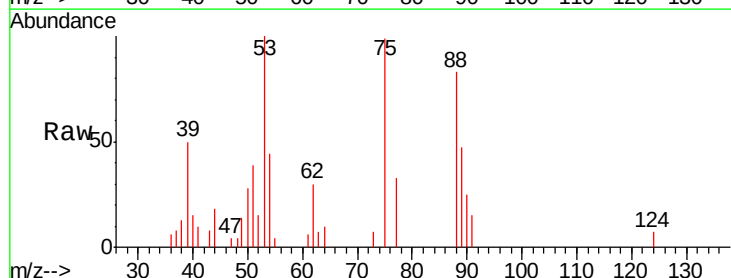
Manual Integrations
 APPROVED

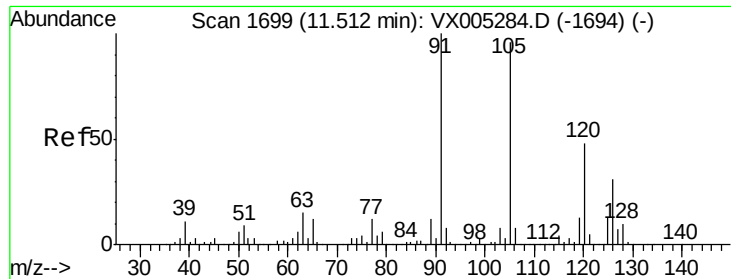
MMDadoda
 10/17/2018 9:05:15 AM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 1.81 ug/l m
 RT: 11.08 min Scan# 1628
 Delta R.T. 0.01 min
 Lab File: VX005298.D
 Acq: 12 Oct 2018 17:25

Tgt Ion: 75 Resp: 1765
 Ion Ratio Lower Upper
 75 100
 53 8.0 80.1 120.1#
 89 2.3 37.2 55.8#





#82

4-Chlorotoluene

Concen: 1.88 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX005298.D

Acq: 12 Oct 2018 17:25

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT4-2018

Tgt Ion: 91 Resp: 14258

Ion Ratio Lower Upper

91 100

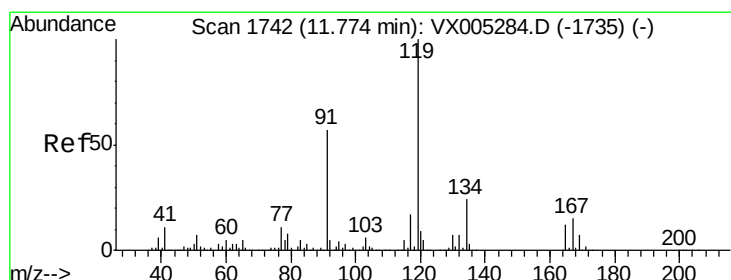
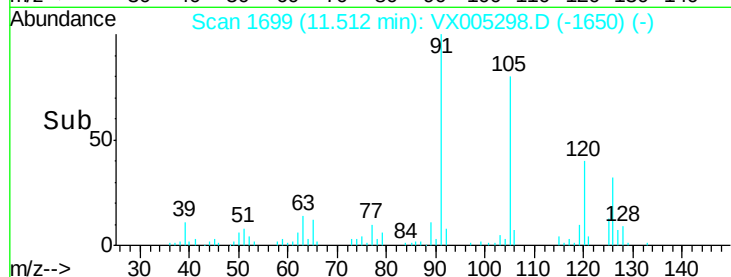
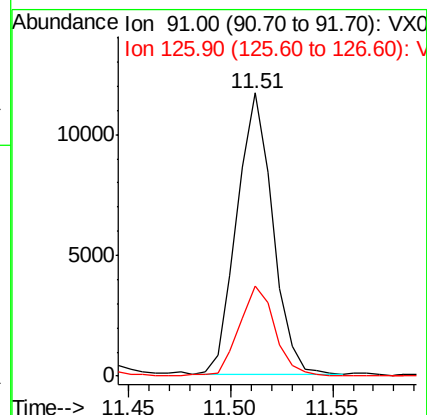
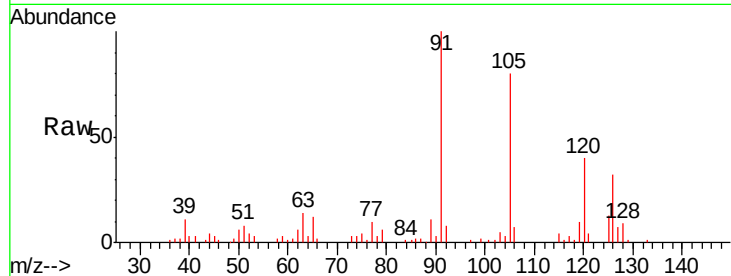
126 32.1 15.5 46.5

Manual Integrations

APPROVED

MMDadoda

10/17/2018 9:05:15 AM



#83

tert-Butylbenzene

Concen: 1.66 ug/l

RT: 11.77 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VX005298.D

Acq: 12 Oct 2018 17:25

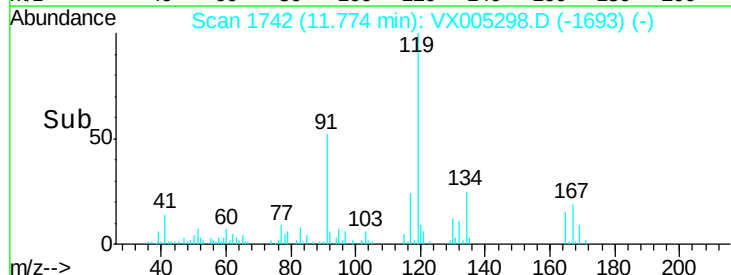
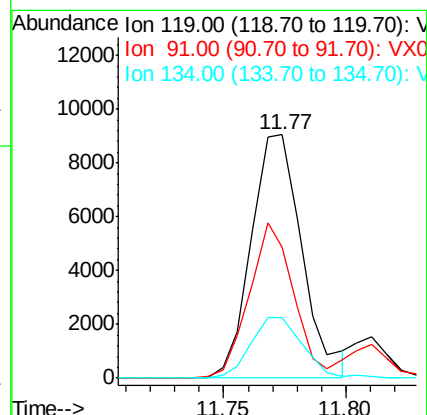
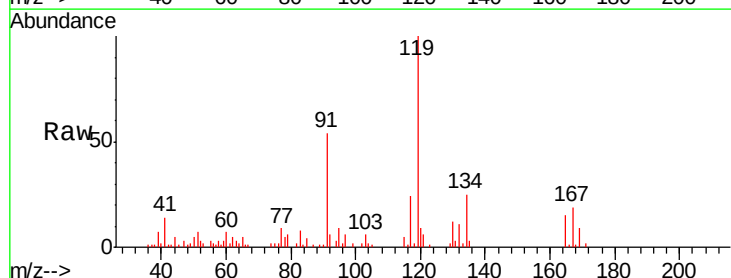
Tgt Ion: 119 Resp: 13068

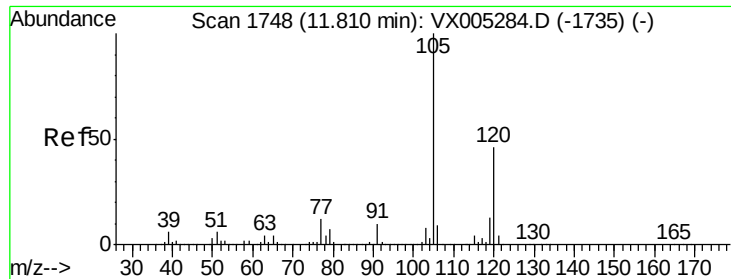
Ion Ratio Lower Upper

119 100

91 55.4 27.0 81.0

134 25.7 11.7 35.1





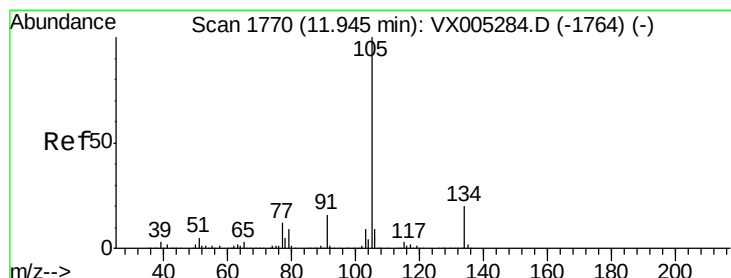
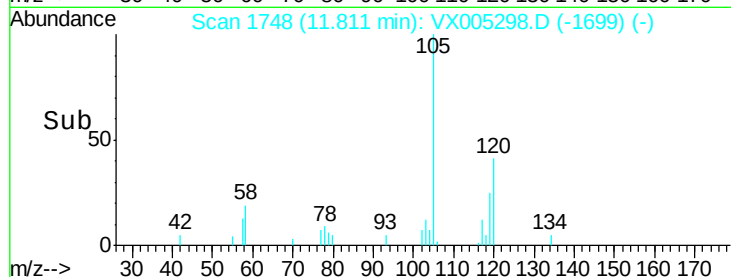
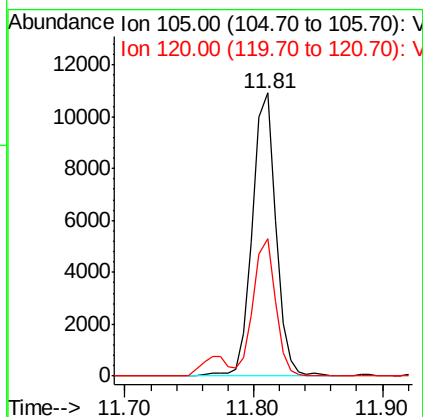
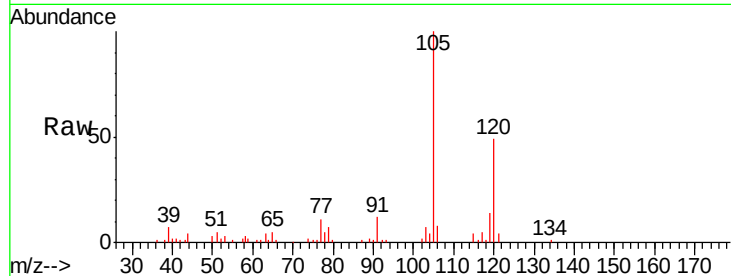
#84
 1,2,4-Trimethylbenzene
 Concen: 1.71 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. 0.00 min
 Lab File: VX005298.D
 Acq: 12 Oct 2018 17:25

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT4-2018

Tgt Ion:105 Resp: 13658
 Ion Ratio Lower Upper
 105 100
 120 45.8 23.2 69.6

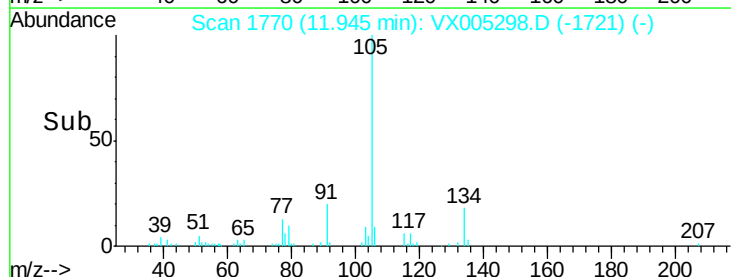
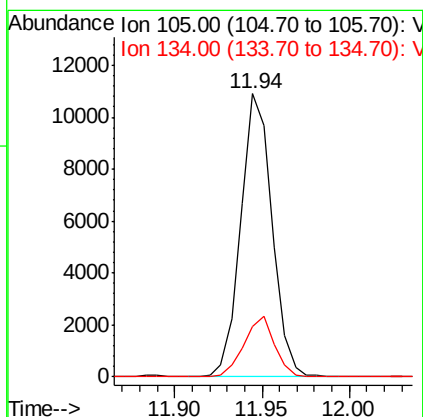
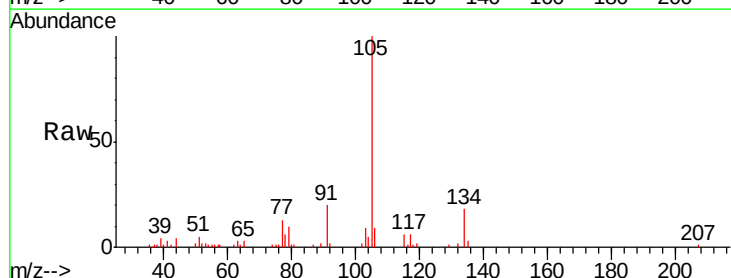
Manual Integrations
 APPROVED

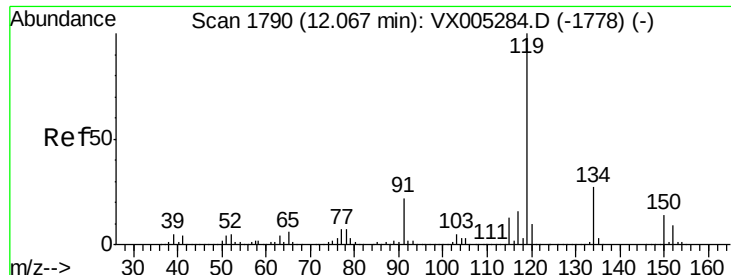
MMDadoda
 10/17/2018 9:05:15 AM



#85
 sec-Butylbenzene
 Concen: 1.46 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX005298.D
 Acq: 12 Oct 2018 17:25

Tgt Ion:105 Resp: 13605
 Ion Ratio Lower Upper
 105 100
 134 20.9 10.5 31.5





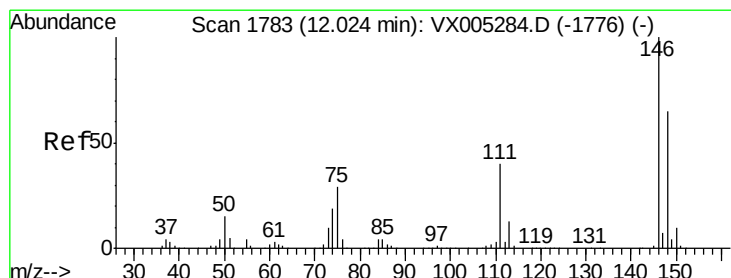
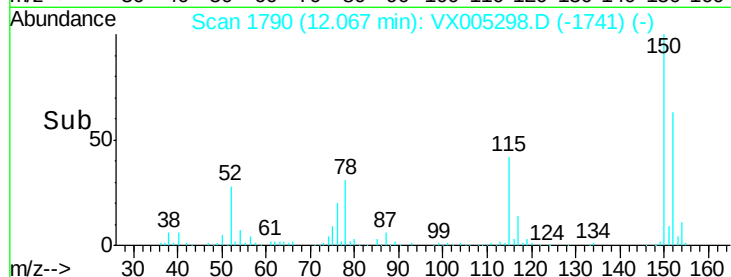
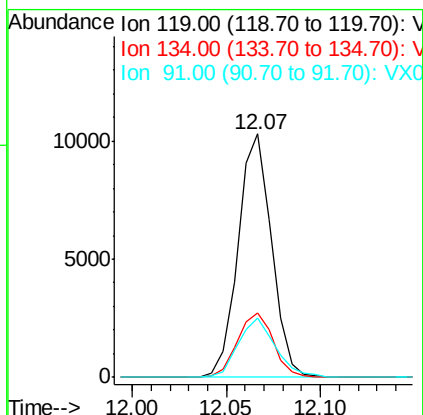
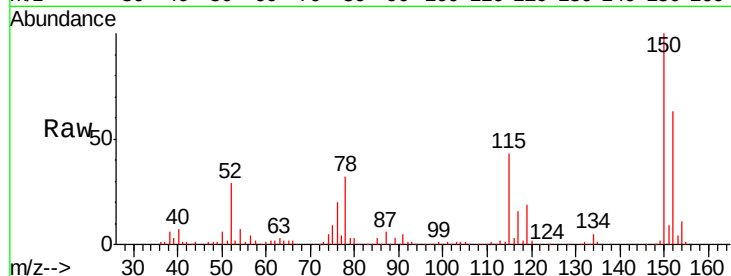
#86
p-Isopropyltoluene
Concen: 1.51 ug/l
RT: 12.07 min Scan# 1790
Delta R.T. 0.00 min
Lab File: VX005298.D
Acq: 12 Oct 2018 17:25

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2018

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	12659		
134	28.3		13.4	40.2
91	27.0		10.9	32.7

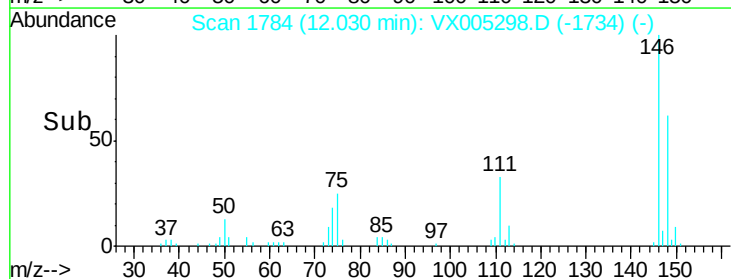
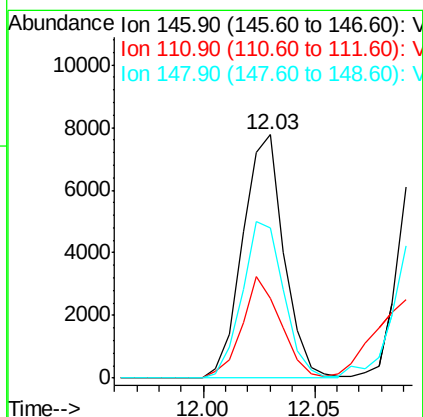
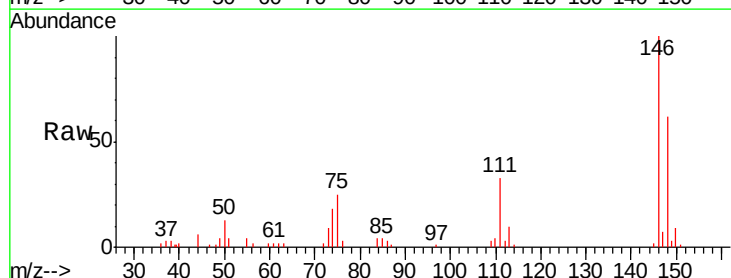
Manual Integrations
APPROVED

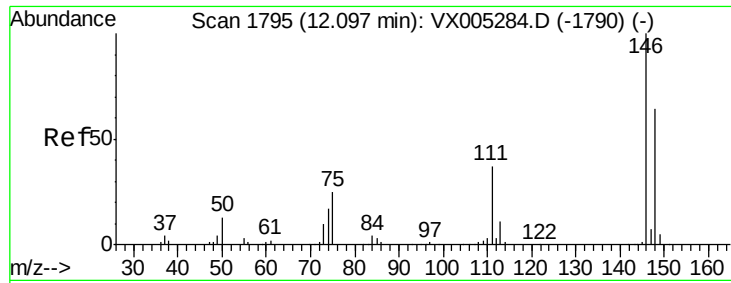
MMDadoda
10/17/2018 9:05:15 AM



#87
1,3-Dichlorobenzene
Concen: 2.07 ug/l
RT: 12.03 min Scan# 1784
Delta R.T. 0.01 min
Lab File: VX005298.D
Acq: 12 Oct 2018 17:25

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	10025		
111	39.5		18.7	56.1
148	64.7		32.1	96.5





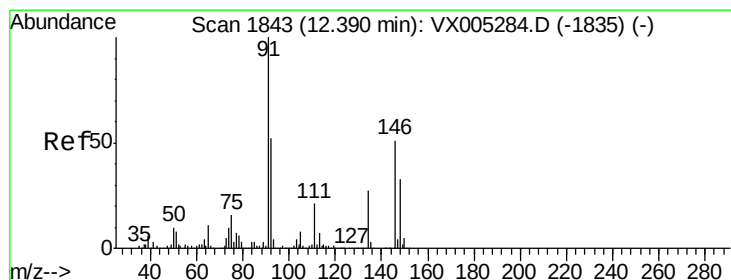
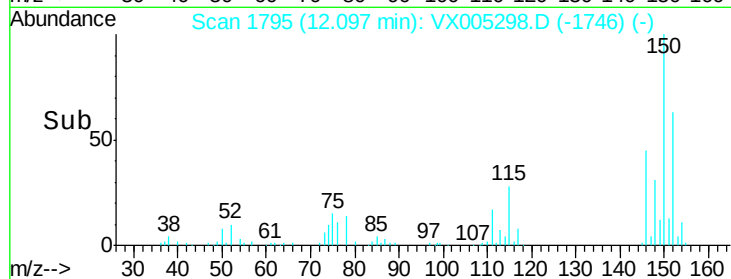
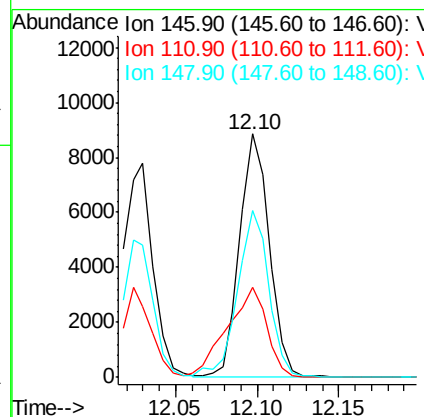
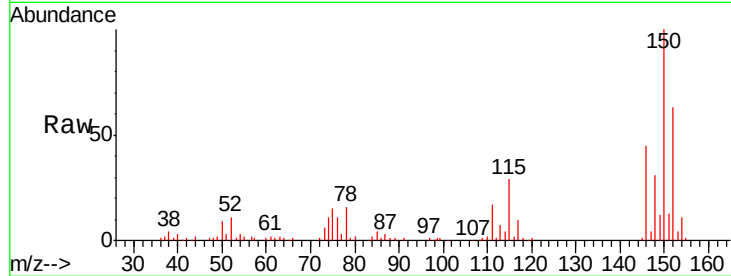
#88
 1,4-Dichlorobenzene
 Concen: 2.29 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX005298.D
 Acq: 12 Oct 2018 17:25

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT4-2018

Tgt Ion	Ratio	Lower	Upper
146	100		
111	49.1	18.1	54.1
148	71.9	32.0	96.0

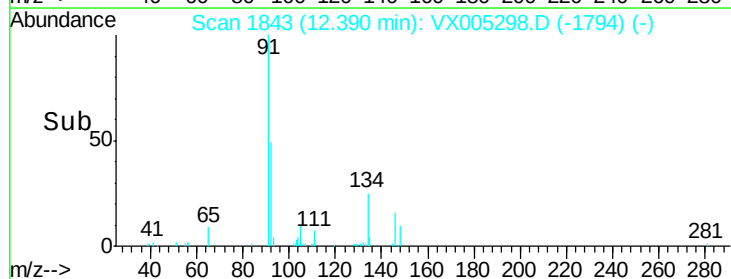
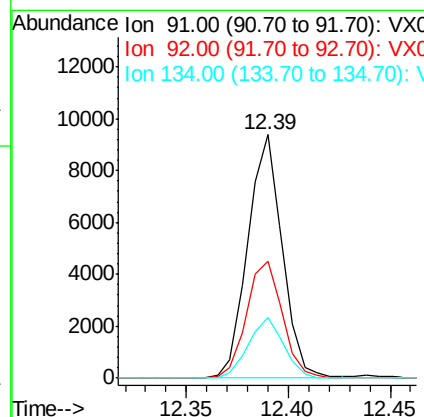
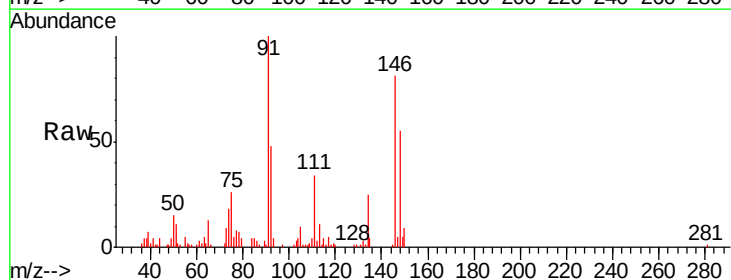
Manual Integrations
 APPROVED

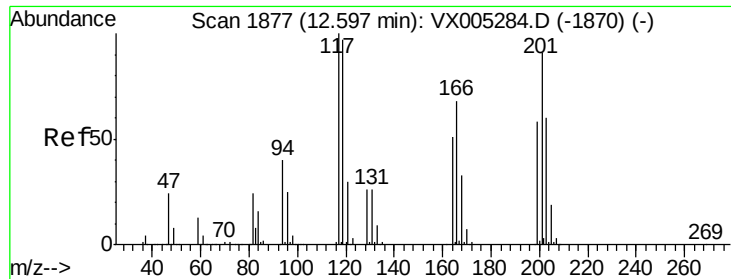
MMDadoda
 10/17/2018 9:05:15 AM



#89
 n-Butylbenzene
 Concen: 1.44 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX005298.D
 Acq: 12 Oct 2018 17:25

Tgt Ion	Ratio	Lower	Upper
91	100		
92	49.8	27.3	81.9
134	25.4	13.6	40.7





#90

Hexachloroethane

Concen: 1.69 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX005298.D

Acq: 12 Oct 2018 17:25

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT4-2018

Tgt Ion:117 Resp: 2448

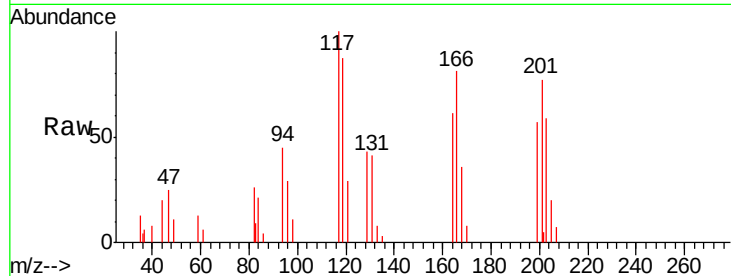
Ion Ratio Lower Upper

117 100

201 94.6 46.9 140.6

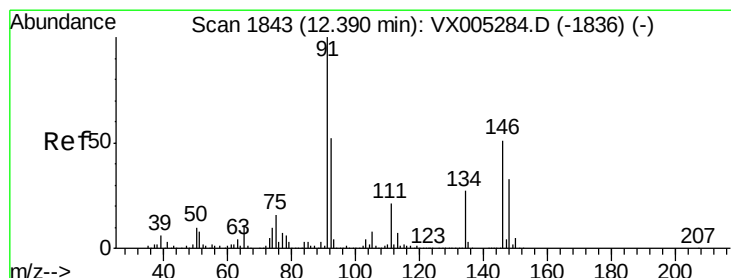
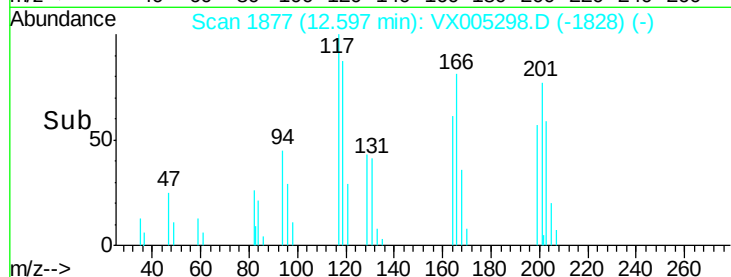
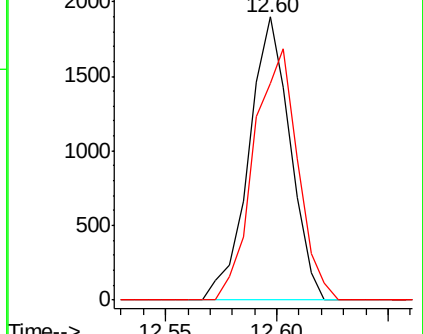
Manual Integrations
APPROVED

MMDadoda
10/17/2018 9:05:15 AM



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 2.17 ug/l

RT: 12.40 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VX005298.D

Acq: 12 Oct 2018 17:25

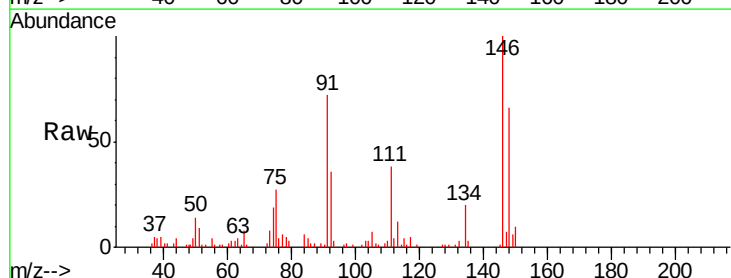
Tgt Ion:146 Resp: 10707

Ion Ratio Lower Upper

146 100

111 38.9 19.4 58.1

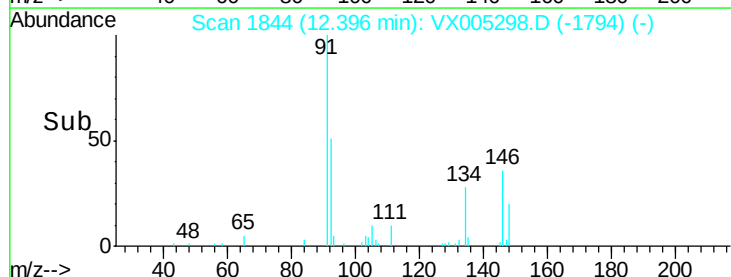
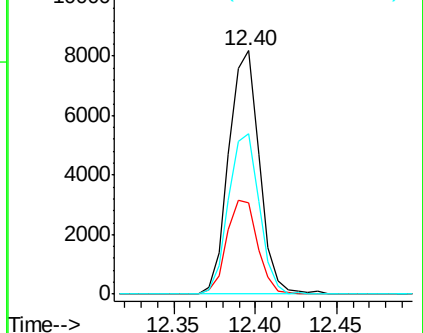
148 66.0 32.8 98.3

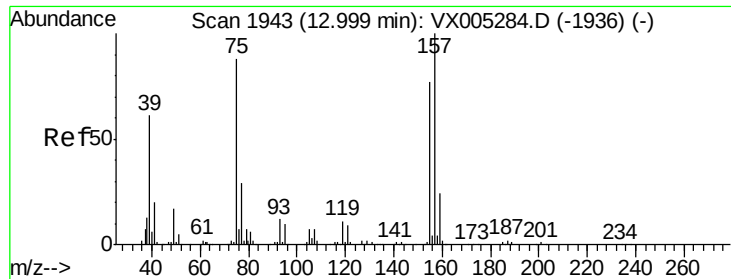


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 2.19 ug/l

RT: 13.01 min Scan# 1944

Delta R.T. 0.01 min

Lab File: VX005298.D

Acq: 12 Oct 2018 17:25

Instrument :

MSVOA_X

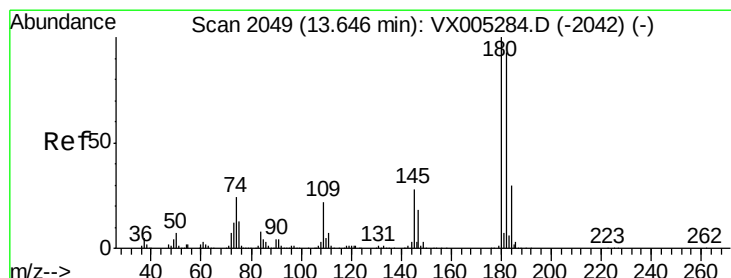
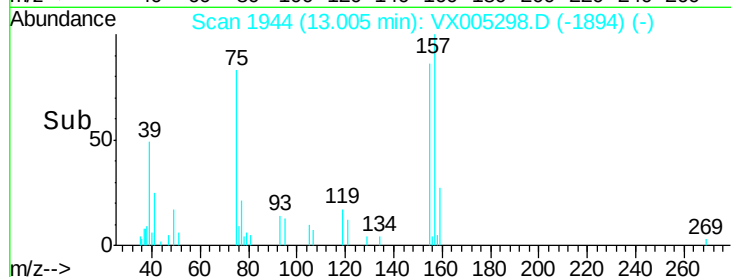
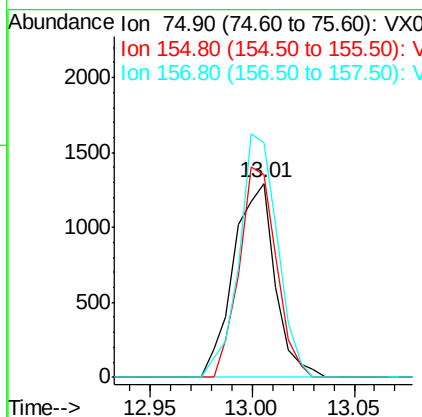
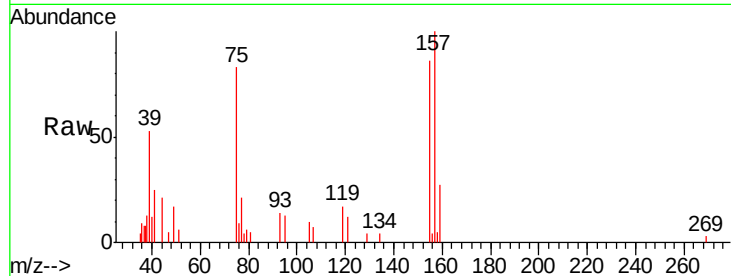
ClientSampleId :

LOQ-WATER-02-QT4-2018

Tgt Ion:	75	Resp:	1827
Ion Ratio	Lower	Upper	
75	100		
155	96.7	48.0	144.2
157	115.6	61.4	184.1

Manual Integrations
APPROVED

MMDadoda
10/17/2018 9:05:15 AM



#93

1,2,4-Trichlorobenzene

Concen: 1.97 ug/l

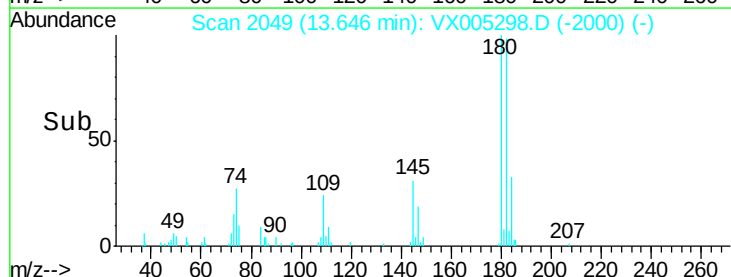
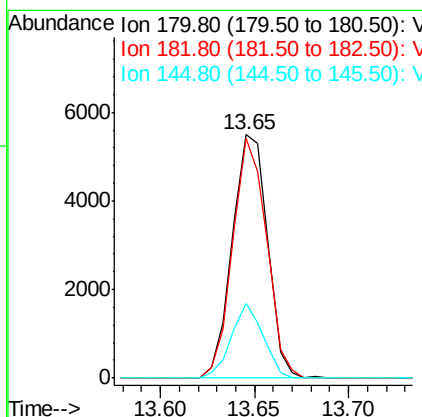
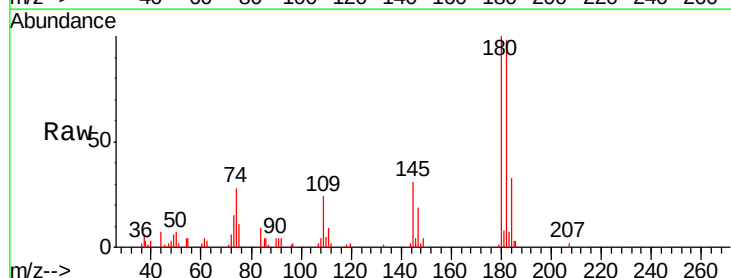
RT: 13.65 min Scan# 2049

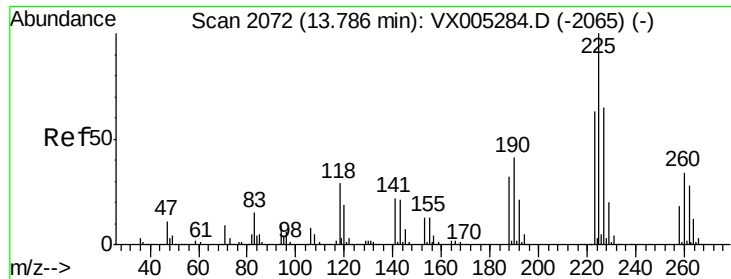
Delta R.T. 0.00 min

Lab File: VX005298.D

Acq: 12 Oct 2018 17:25

Tgt Ion:	180	Resp:	7123
Ion Ratio	Lower	Upper	
180	100		
182	94.8	48.4	145.0
145	27.8	14.3	42.9





#94

Hexachlorobutadiene

Concen: 1.39 ug/l

RT: 13.79 min Scan# 2072

Delta R.T. 0.00 min

Lab File: VX005298.D

Acq: 12 Oct 2018 17:25

Instrument :

MSVOA_X

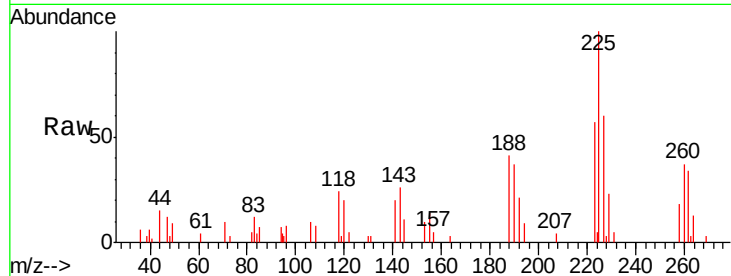
ClientSampleId :

LOQ-WATER-02-QT4-2018

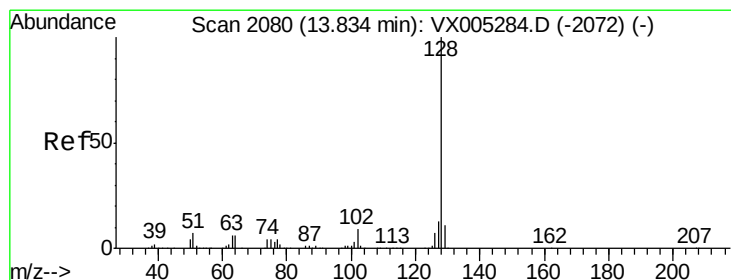
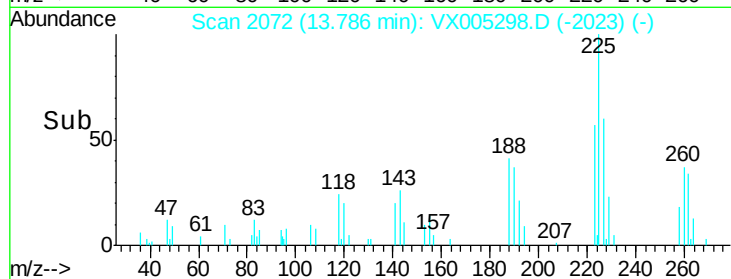
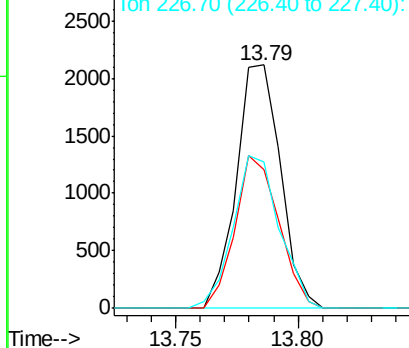
Tgt Ion:	225	Resp:	2660
Ion Ratio	Lower	Upper	
225	100		
223	61.8	30.1	90.5
227	65.3	30.8	92.4

Manual Integrations
APPROVED

MMDadoda
10/17/2018 9:05:15 AM



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: 1.81 ug/l

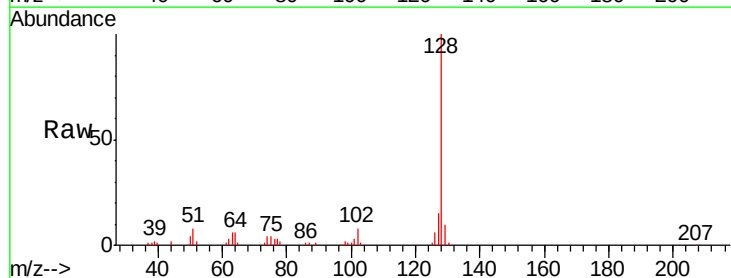
RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

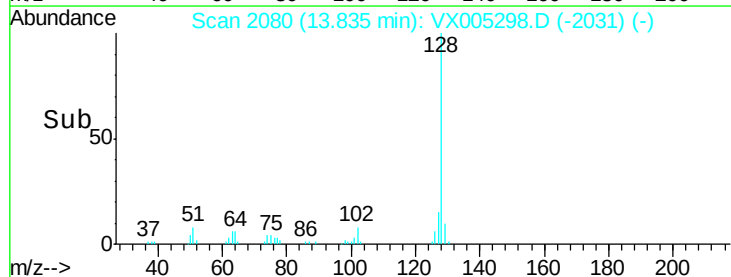
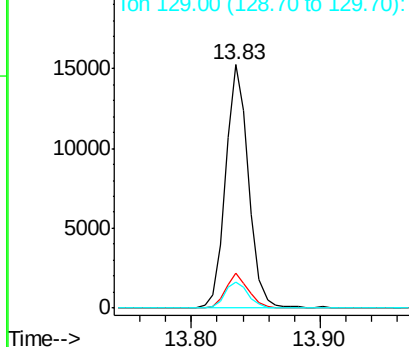
Lab File: VX005298.D

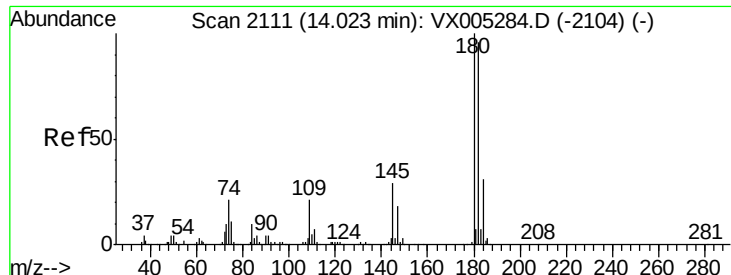
Acq: 12 Oct 2018 17:25

Tgt Ion:	128	Resp:	19028
Ion Ratio	Lower	Upper	
128	100		
127	14.0	10.2	15.2
129	10.9	8.6	12.8



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 1.97 ug/l
 RT: 14.02 min Scan# 2111
 Delta R.T. 0.00 min
 Lab File: VX005298.D
 Acq: 12 Oct 2018 17:25

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT4-2018

Tgt Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	94.6	48.5	145.6
145	33.0	14.9	44.9

Manual Integrations
 APPROVED

MMDadoda
 10/17/2018 9:05:15 AM

