

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050119\
 Data File : VX009260.D
 Acq On : 01 May 2019 17:38
 Operator : JC/SP
 Sample : K2241-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 LOQ-WATER-02-QT2-2019

Manual Integrations
 APPROVED

MMDadoda
 5/2/2019 10:53:41 AM

Quant Time: May 02 07:05:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X050119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 02 06:46:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.01	128	31487	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	178076	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	157795	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	76018	29.10	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.00%
60) 4-Bromofluorobenzene	11.13	95	78575	29.30	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.67%
63) Toluene-d8	8.71	98	227039	30.35	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.17%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	7611	4.549 ug/l	96
3) Chloromethane	1.32	50	10849	4.824 ug/l	98
4) Vinyl Chloride	1.41	62	10708	4.773 ug/l	94
5) Bromomethane	1.64	94	7140	5.021 ug/l	100
6) Chloroethane	1.71	64	6805	4.625 ug/l	98
7) Trichlorofluoromethane	1.92	101	13433	4.849 ug/l	95
8) Diethyl Ether	2.18	74	6746	5.244 ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	8541	4.980 ug/l	98
10) 1,1-Dichloroethene	2.37	96	8422	4.890 ug/l	98
11) Methyl Iodide	2.51	142	6881	3.675 ug/l	99
12) Methyl Acetate	2.77	43	18150	5.595 ug/l	97
13) Acrolein	2.29	56	12753	28.664 ug/l	98
14) Acrylonitrile	3.14	53	35949	25.536 ug/l	99
15) Acetone	2.45	58	10434	25.814 ug/l	99
16) Carbon Disulfide	2.57	76	19666	4.220 ug/l	100
17) Allyl chloride	2.73	41	19855	4.802 ug/l	96
18) Methylene Chloride	2.85	84	10373	4.984 ug/l	97
19) trans-1,2-Dichloroethene	3.17	96	8969	4.884 ug/l	96
20) Diisopropyl ether	3.85	45	40947	5.029 ug/l	95
21) 1,1-Dichloroethane	3.70	63	19877	5.044 ug/l	96
22) cis-1,2-Dichloroethene	4.60	96	11107	5.022 ug/l	97
23) tert-Butyl Alcohol	3.05	59	16200	27.214 ug/l #	100
24) Methyl tert-Butyl Ether	3.20	73	34033	5.049 ug/l	98
25) Chloroform	5.21	83	18585	5.168 ug/l	95
26) Cyclohexane	5.58	56	17229	4.691 ug/l #	93
29) 1,1-Dichloropropene	5.79	75	13264	5.076 ug/l	98
30) 2-Butanone	4.68	43	54072	26.424 ug/l	98
31) 2,2-Dichloropropane	4.58	77	14384	4.993 ug/l #	78
32) 1,1,1-Trichloroethane	5.49	97	14520	5.126 ug/l	98
33) Carbon Tetrachloride	5.78	117	11348m	4.788 ug/l	
34) Benzene	6.14	78	41985	5.212 ug/l	98
35) Methacrylonitrile	5.04	41	11517	5.379 ug/l	97
36) 1,2-Dichloroethane	6.19	62	15815	5.410 ug/l	99
37) Trichloroethene	7.21	130	9760	5.033 ug/l	87
38) Methylcyclohexane	7.46	83	15663	4.852 ug/l	99
39) 1,2-Dichloropropane	7.51	63	12027	5.243 ug/l	96
40) Dibromomethane	7.66	93	6822	5.240 ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	13337	5.015	ug/l	95
42) Vinyl Acetate	3.81	43	166682	24.680	ug/l	99
43) Ethyl Acetate	4.84	43	20543	5.556	ug/l	97
44) Isopropyl Acetate	6.45	43	29906	4.992	ug/l	98
45) 1,4-Dioxane	7.74	88	6693	113.804	ug/l	98
46) Methyl methacrylate	7.77	41	15382	5.145	ug/l	97
47) n-amyl Acetate	10.90	43	26498	4.910	ug/l	99
48) t-1,3-Dichloropropene	9.04	75	14350	4.624	ug/l	96
49) cis-1,3-Dichloropropene	8.43	75	16078	4.720	ug/l	100
50) 1,1,2-Trichloroethane	9.21	97	10972	5.500	ug/l	95
51) Ethyl methacrylate	9.18	69	18298	4.964	ug/l	98
52) 1,3-Dichloropropane	9.37	76	19008	5.369	ug/l	100
53) Dibromochloromethane	9.58	129	9838	4.952	ug/l	100
54) 1,2-Dibromoethane	9.67	107	10472	5.119	ug/l	98
55) 2-Chloroethyl vinyl ether	8.31	63	47221	24.039	ug/l	99
56) Bromoform	10.85	173	6874	4.508	ug/l	99
58) 4-Methyl-2-Pentanone	8.64	43	103136	26.581	ug/l	99
59) 2-Hexanone	9.49	43	80023	26.295	ug/l	100
61) Tetrachloroethene	9.34	164	8933	5.135	ug/l	90
62) Toluene	8.78	91	43345	5.141	ug/l	99
64) Chlorobenzene	10.13	112	26552	5.232	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.22	131	9428	5.074	ug/l	99
66) Ethyl Benzene	10.25	91	47816	5.090	ug/l	98
67) m/p-Xylenes	10.36	106	34459	10.048	ug/l	99
68) o-Xylene	10.69	106	17369	5.151	ug/l	100
69) Styrene	10.71	104	29047	4.907	ug/l	99
70) Isopropylbenzene	11.02	105	46307	5.106	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.26	83	18110	5.453	ug/l	100
72) 1,2,3-Trichloropropane	11.29	75	17383m	6.073	ug/l	
73) Bromobenzene	11.26	156	11356	5.068	ug/l	98
74) n-propylbenzene	11.36	91	52753	5.019	ug/l	100
75) 2-Chlorotoluene	11.42	91	32835	5.209	ug/l	100
76) 1,3,5-Trimethylbenzene	11.51	105	38718	5.040	ug/l	100
77) t-1,4-Dichloro-2-butene	11.07	75	4761	4.124	ug/l	88
78) 4-Chlorotoluene	11.51	91	35799	5.000	ug/l	99
79) tert-butylbenzene	11.77	119	38105	5.131	ug/l	99
80) 1,2,4-Trimethylbenzene	11.80	105	38527	5.004	ug/l	99
81) sec-Butylbenzene	11.94	105	45166	5.119	ug/l	98
82) p-Isopropyltoluene	12.06	119	39386	4.907	ug/l	99
83) 1,3-Dichlorobenzene	12.02	146	19951	4.986	ug/l	98
84) 1,4-Dichlorobenzene	12.10	146	20064	5.033	ug/l	98
85) n-Butylbenzene	12.38	91	33172	4.517	ug/l	100
86) Hexachloroethane	12.60	117	5982	4.380	ug/l	96
87) 1,2-Dichlorobenzene	12.39	146	20933	5.197	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	13.00	75	3972	5.146	ug/l	99
89) 1,2,4-Trichlorobenzene	13.65	180	13883	4.835	ug/l	97
90) Hexachlorobutadiene	13.78	225	6911	4.819	ug/l	96
91) Naphthalene	13.83	128	45726	4.864	ug/l	100
92) 1,2,3-Trichlorobenzene	14.02	180	13632	4.671	ug/l	96

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LOQ-WATER-02-QT2-2019

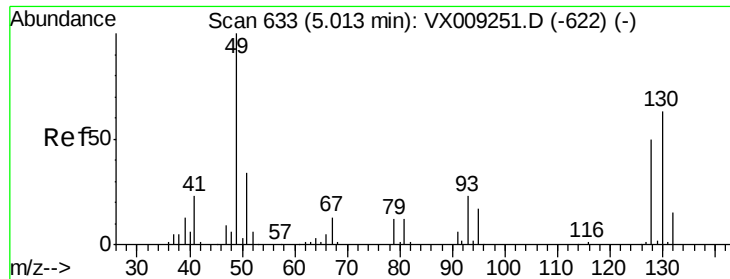
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.01 min Scan# 633

Delta R.T. -0.00 min

Lab File: VX009260.D

Acq: 01 May 2019 17:38

Instrument :

MSVOA_X

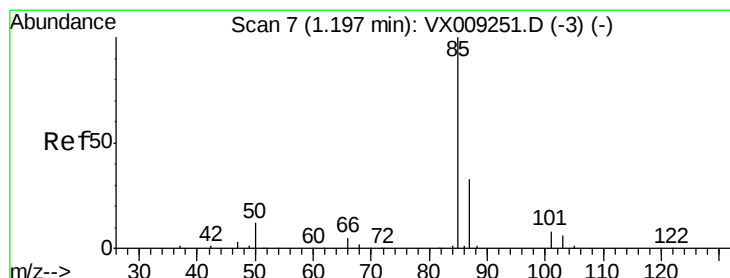
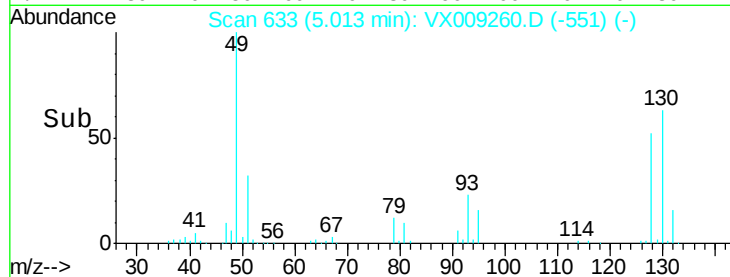
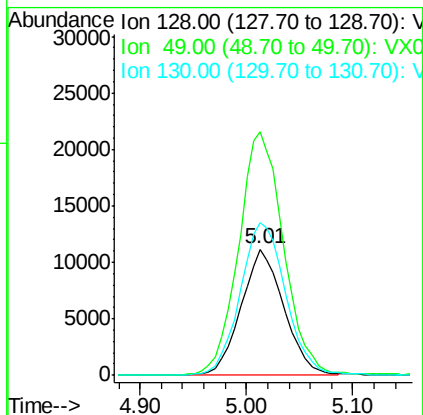
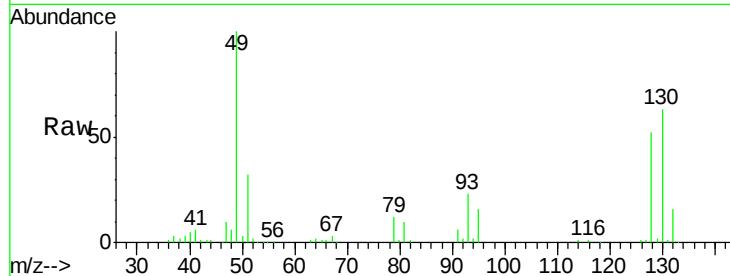
ClientSampleId :

LOQ-WATER-02-QT2-2019

Tot Ion:128 Resp: 31487
 Ion Ratio Lower Upper
 128 100
 49 201.7 0.0 515.0
 130 128.3 0.0 323.3

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#2

Dichlorodifluoromethane

Concen: 4.549 ug/l

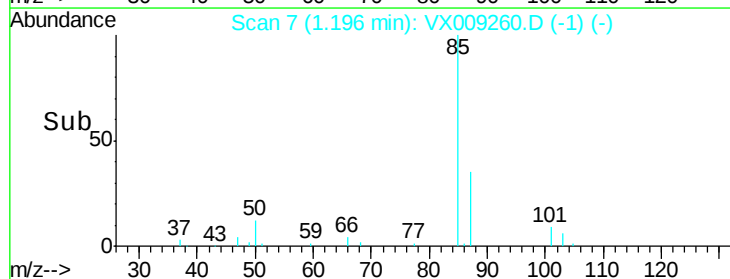
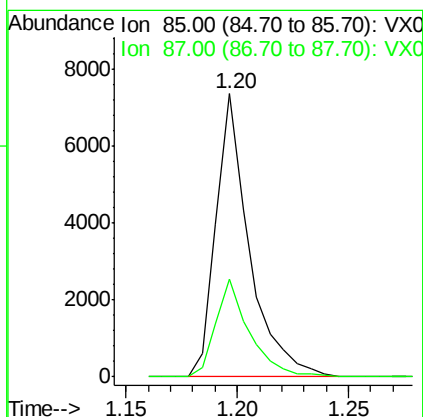
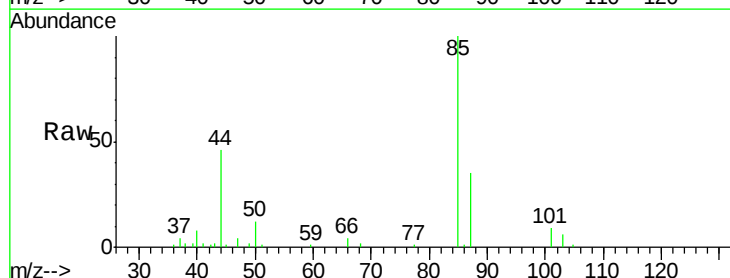
RT: 1.20 min Scan# 7

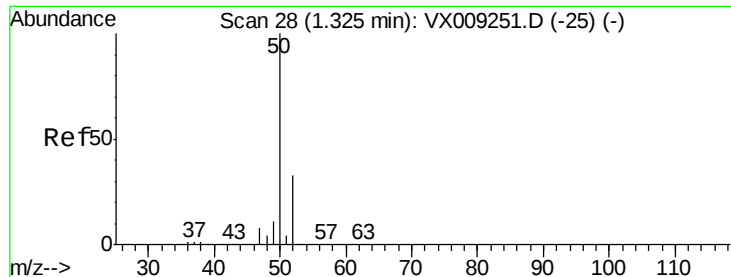
Delta R.T. -0.00 min

Lab File: VX009260.D

Acq: 01 May 2019 17:38

Tgt Ion: 85 Resp: 7611
 Ion Ratio Lower Upper
 85 100
 87 34.8 16.3 48.9





#3

Chloromethane

Concen: 4.824 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009260.D

Acq: 01 May 2019 17:38

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT2-2019

Tot Ion: 50 Resp: 10849

Ion Ratio Lower Upper

50 100

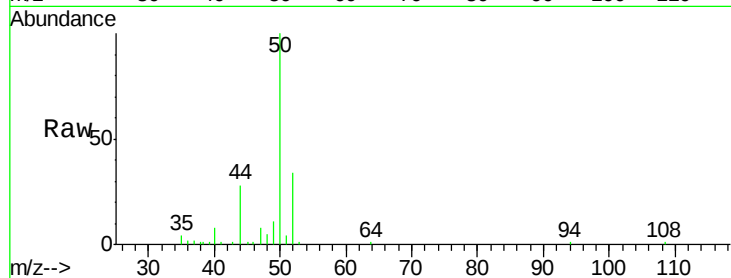
52 33.9 26.3 39.5

Manual Integrations

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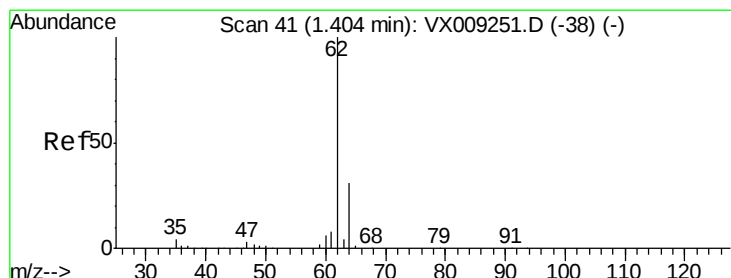
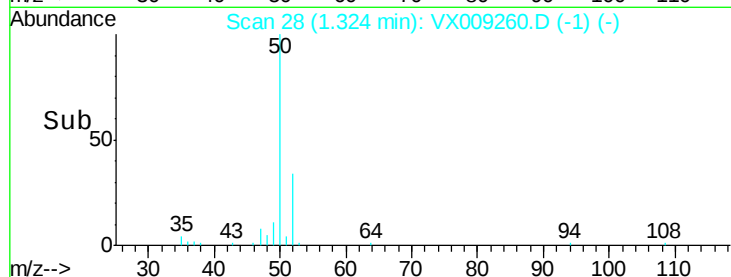
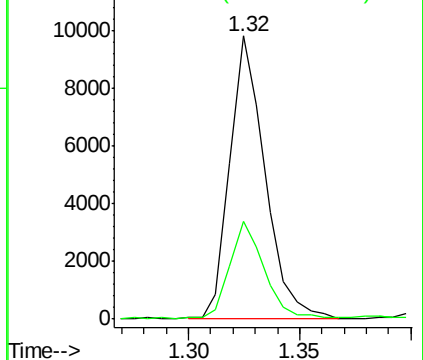
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Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#4

Vinyl Chloride

Concen: 4.773 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.01 min

Lab File: VX009260.D

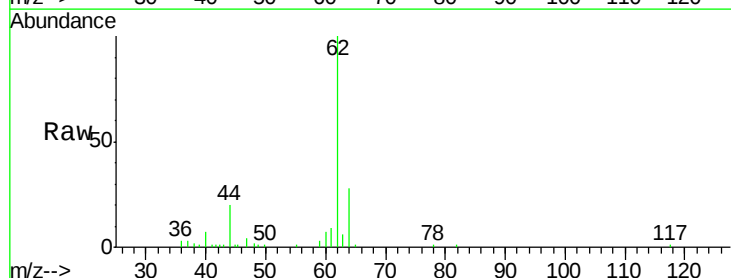
Acq: 01 May 2019 17:38

Tgt Ion: 62 Resp: 10708

Ion Ratio Lower Upper

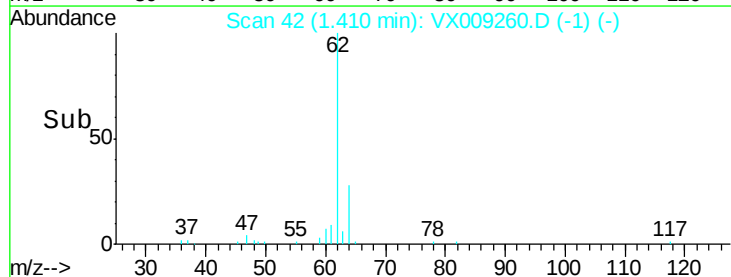
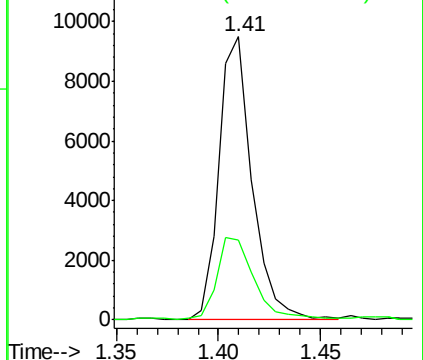
62 100

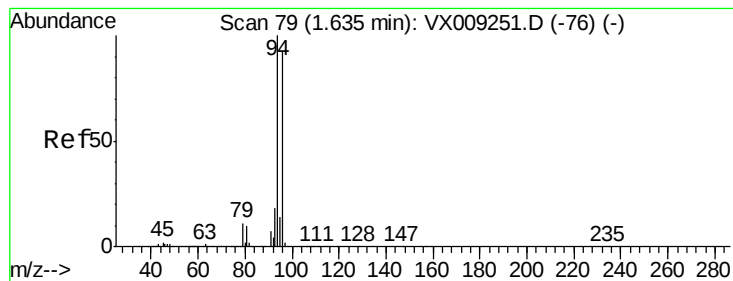
64 27.3 24.6 36.8



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.00 (63.70 to 64.70): VX0





#5

Bromomethane

Concen: 5.021 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX009260.D

Acq: 01 May 2019 17:38

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT2-2019

Tot Ion: 94 Resp: 7140

Ion Ratio Lower Upper

94 100

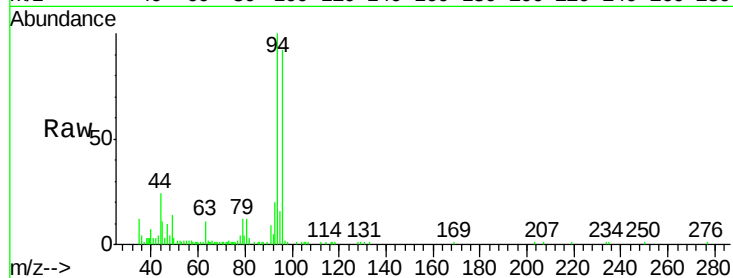
96 92.3 73.5 110.3

Manual Integrations

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Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0

8000

6000

4000

2000

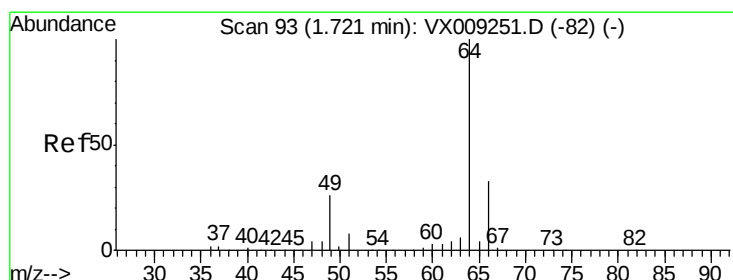
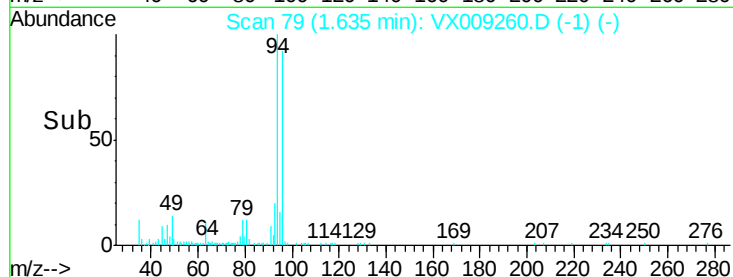
0

1.60

1.64

1.70

Time-->



#6

Chloroethane

Concen: 4.625 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.01 min

Lab File: VX009260.D

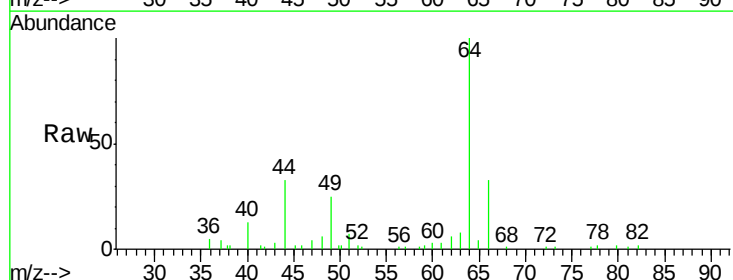
Acq: 01 May 2019 17:38

Tgt Ion: 64 Resp: 6805

Ion Ratio Lower Upper

64 100

66 33.4 25.9 38.9



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0

5000

4000

3000

2000

1000

0

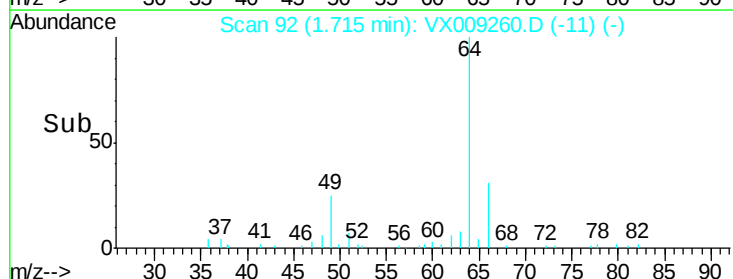
1.65

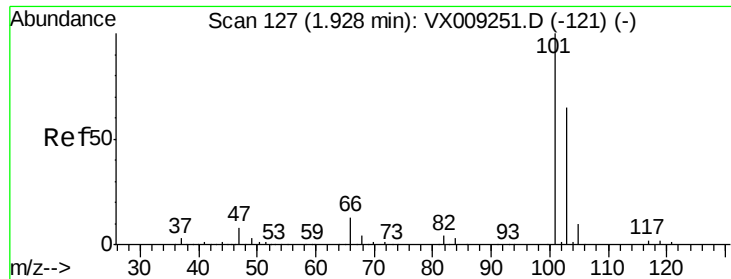
1.70

1.75

1.80

Time-->





#7

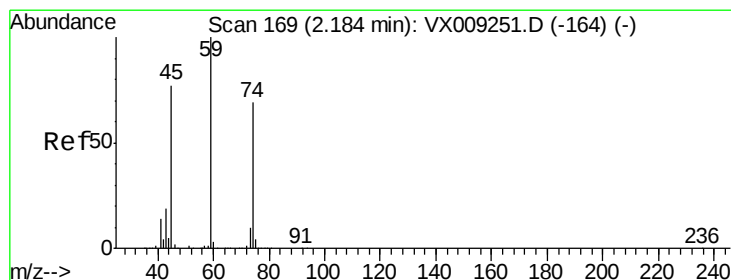
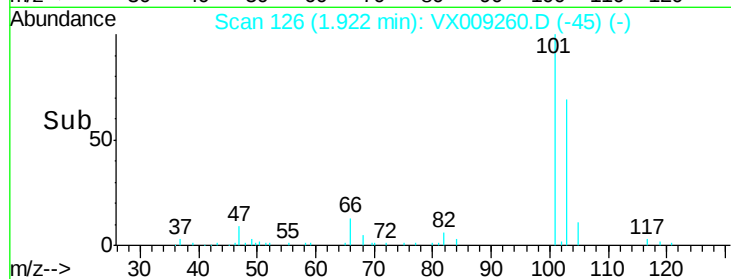
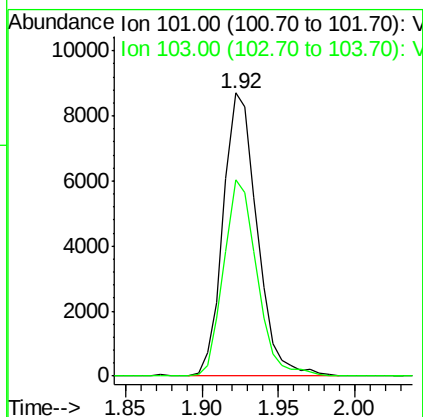
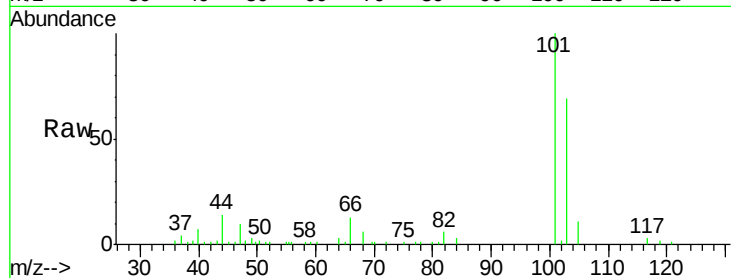
Trichlorofluoromethane
Concen: 4.849 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.01 min
Lab File: VX009260.D
Acq: 01 May 2019 17:38

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT2-2019

Tot Ion:101 Resp: 13433
Ion Ratio Lower Upper
101 100
103 69.1 51.9 77.9

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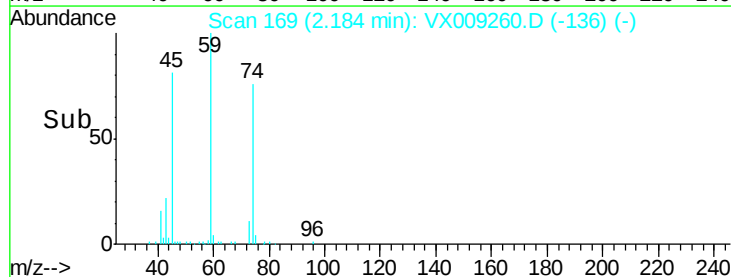
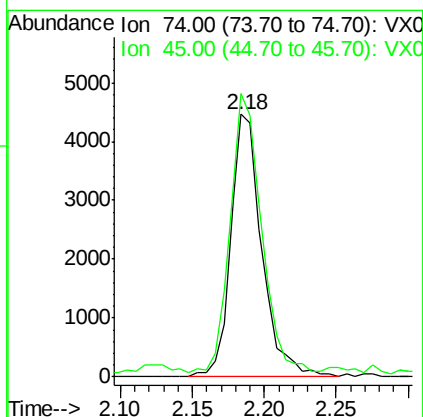
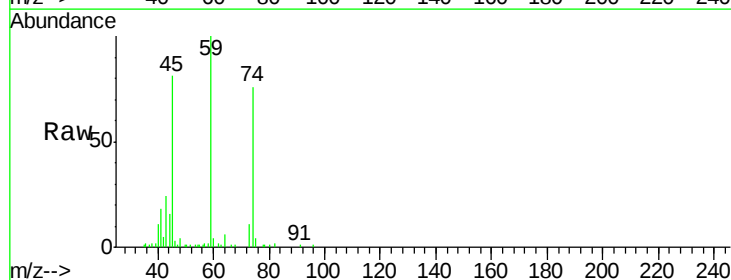
MMDadoda
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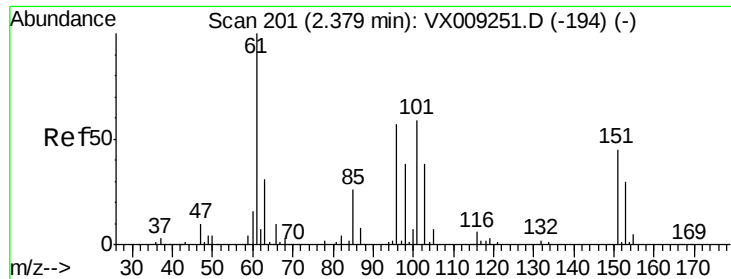


#8

Diethyl Ether
Concen: 5.244 ug/l
RT: 2.18 min Scan# 169
Delta R.T. -0.00 min
Lab File: VX009260.D
Acq: 01 May 2019 17:38

Tgt Ion: 74 Resp: 6746
Ion Ratio Lower Upper
74 100
45 105.6 21.5 193.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.980 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX009260.D

Acq: 01 May 2019 17:38

Instrument :

MSVOA_X

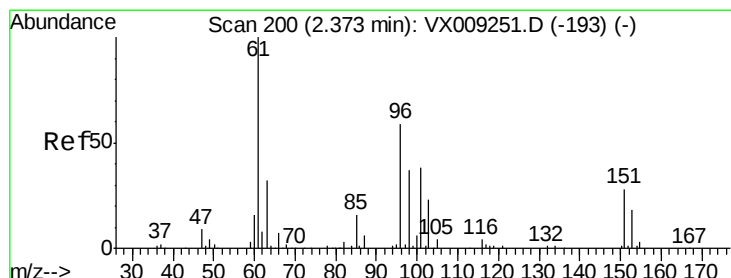
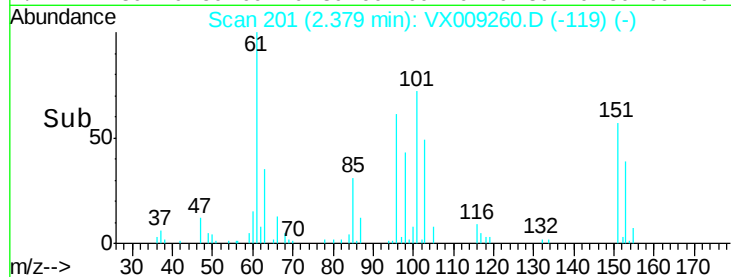
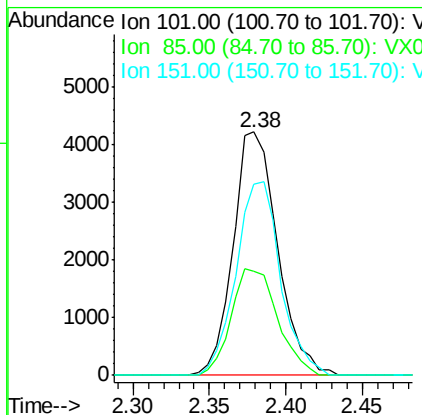
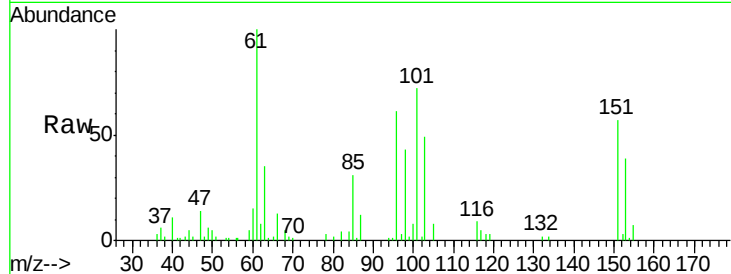
ClientSampleId :

LOQ-WATER-02-QT2-2019

Tot Ion:	101	Resp:	8541
Ion Ratio	Lower	Upper	
101	100		
85	45.6	0.0	87.4
151	79.5	0.0	157.0

Manual Integrations
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5/2/2019 10:53:41 AM



#10

1,1-Dichloroethene

Concen: 4.890 ug/l

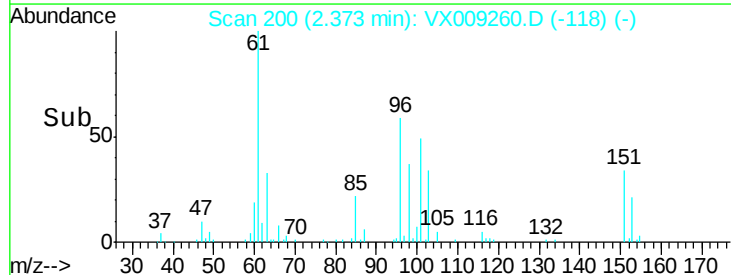
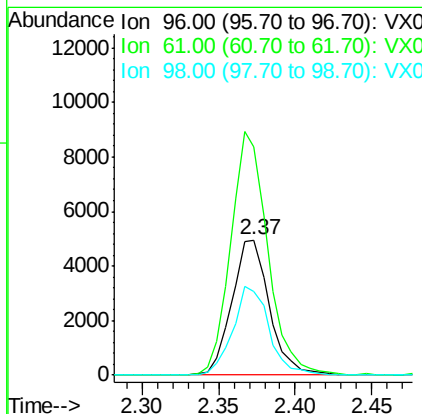
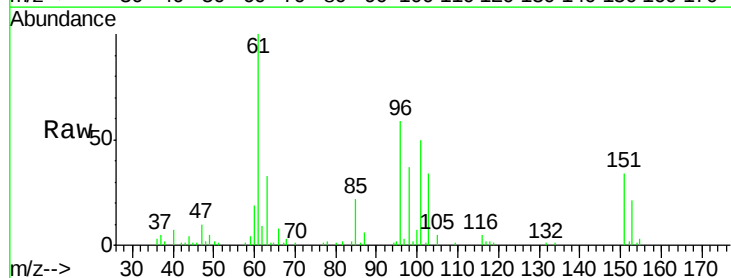
RT: 2.37 min Scan# 200

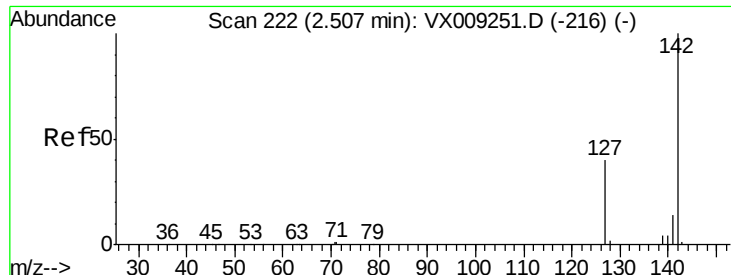
Delta R.T. -0.00 min

Lab File: VX009260.D

Acq: 01 May 2019 17:38

Tgt Ion:	96	Resp:	8422
Ion Ratio	Lower	Upper	
96	100		
61	168.8	136.5	204.7
98	61.8	51.0	76.4





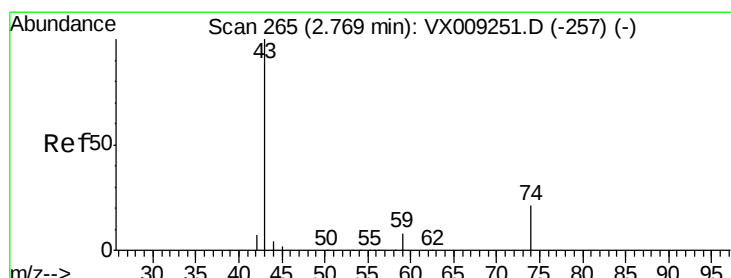
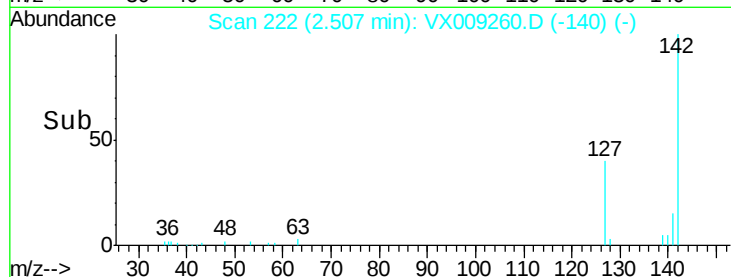
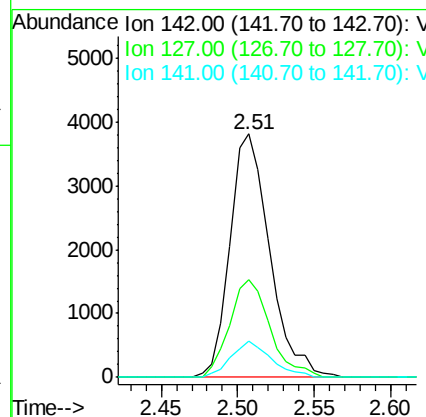
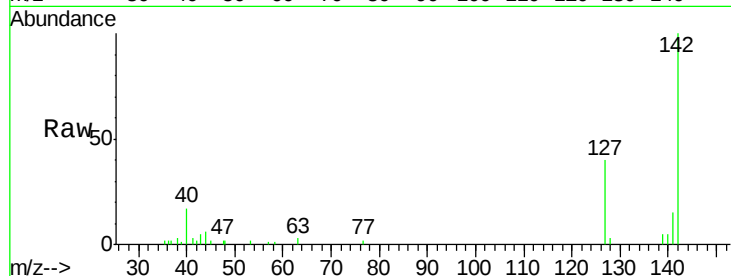
#11
Methvl Iodide
Concen: 3.675 ug/l
RT: 2.51 min Scan# 222
Delta R.T. -0.00 min
Lab File: VX009260.D
Acq: 01 May 2019 17:38

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT2-2019

Tot Ion	Ratio	Lower	Upper
142	100		
127	40.1	20.2	60.5
141	15.1	6.9	20.7

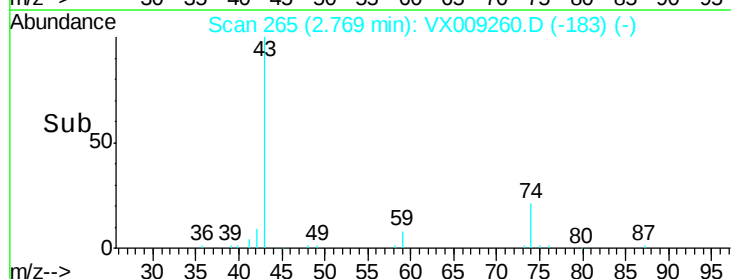
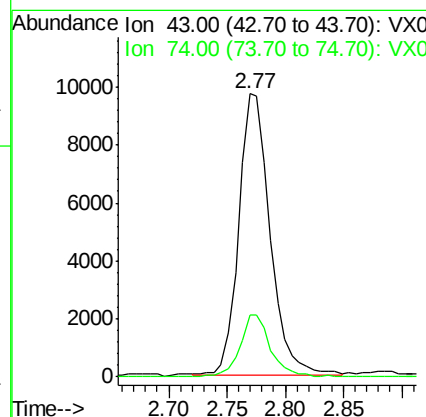
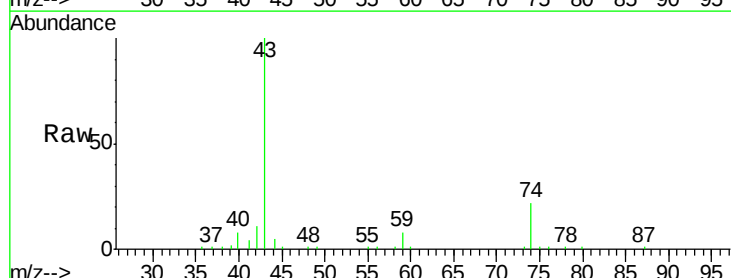
Manual Integrations
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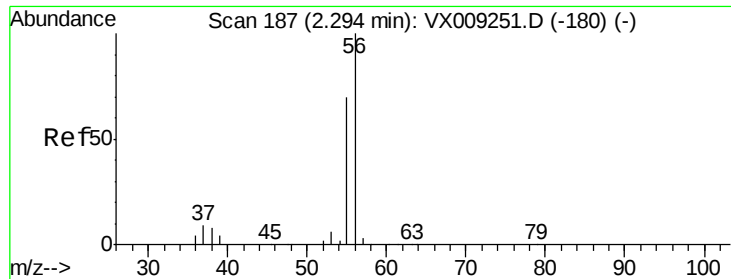
MMDadoda
5/2/2019 10:53:41 AM



#12
Methyl Acetate
Concen: 5.595 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.00 min
Lab File: VX009260.D
Acq: 01 May 2019 17:38

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.0	16.5	24.7





#13

Acrolein

Concen: 28.664 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX009260.D

Acq: 01 May 2019 17:38

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT2-2019

Tot Ion: 56 Resp: 12753

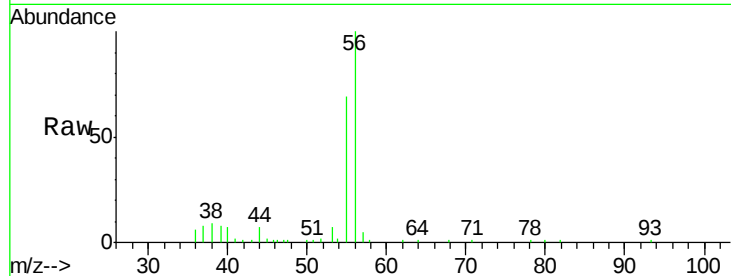
Ion Ratio Lower Upper

56 100

55 69.9 56.9 85.3

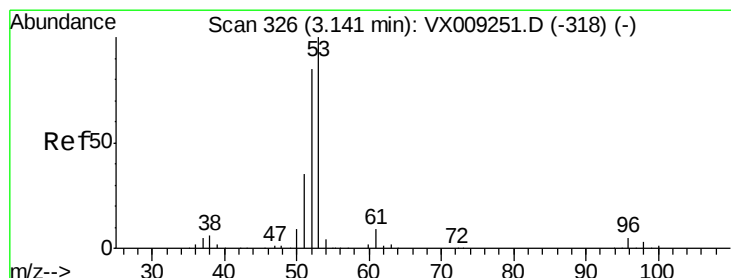
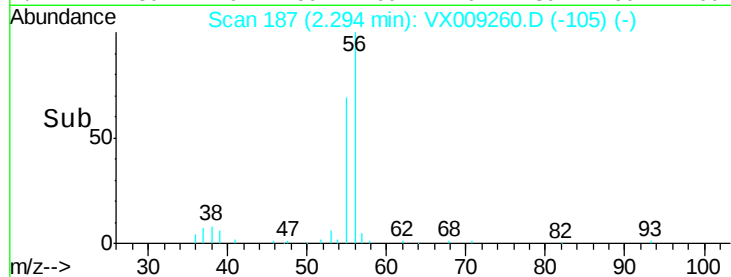
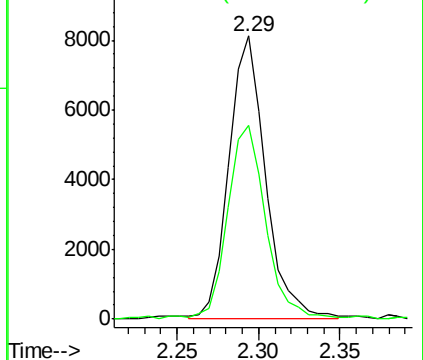
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Acrylonitrile

Concen: 25.536 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX009260.D

Acq: 01 May 2019 17:38

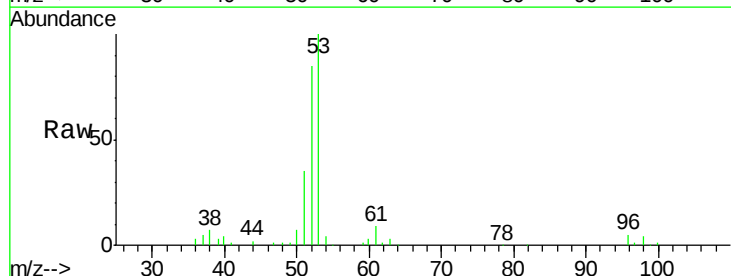
Tgt Ion: 53 Resp: 35949

Ion Ratio Lower Upper

53 100

52 84.1 41.5 124.5

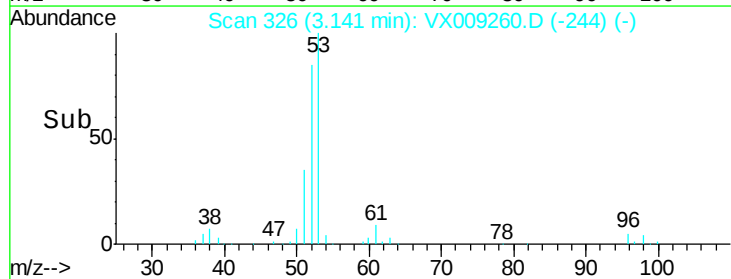
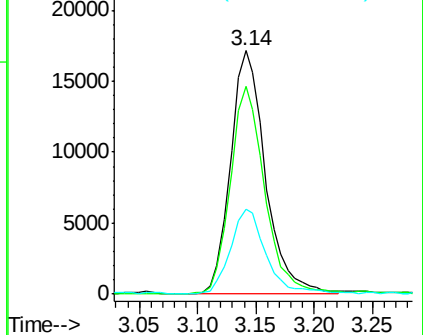
51 35.9 17.8 53.3

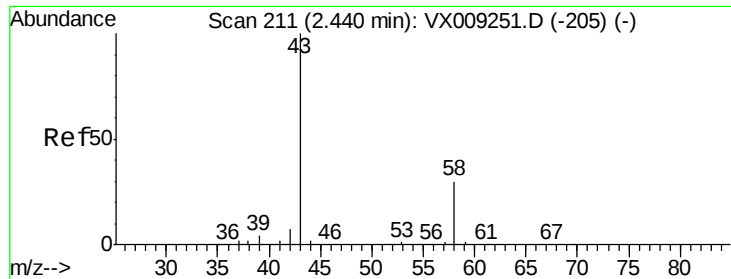


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#15

Acetone

Concen: 25.814 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.01 min

Lab File: VX009260.D

Acq: 01 May 2019 17:38

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT2-2019

Tot Ion: 58 Resp: 10434

Ion Ratio Lower Upper

58 100

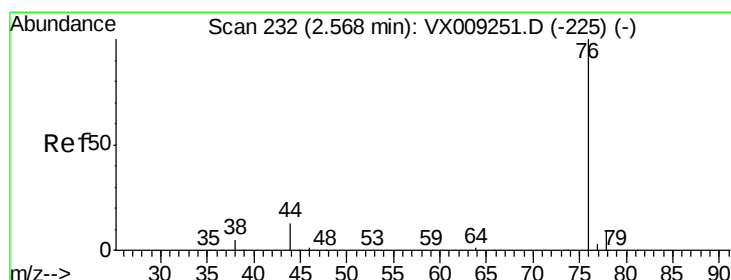
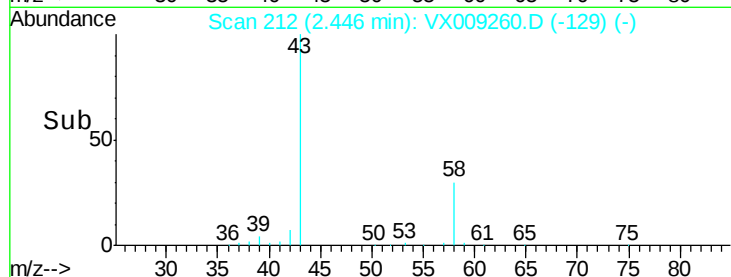
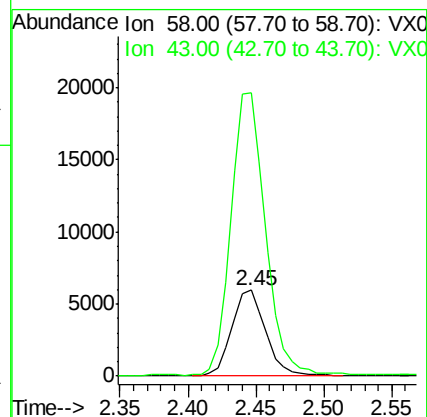
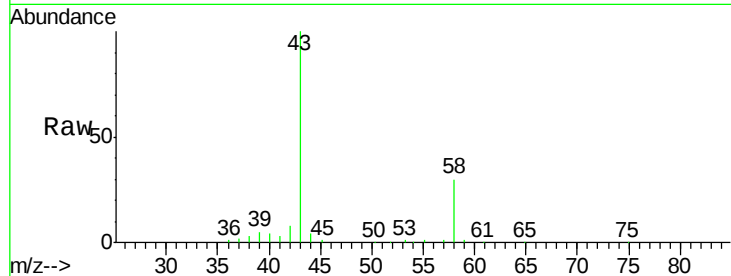
43 328.9 264.0 396.0

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#16

Carbon Disulfide

Concen: 4.220 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX009260.D

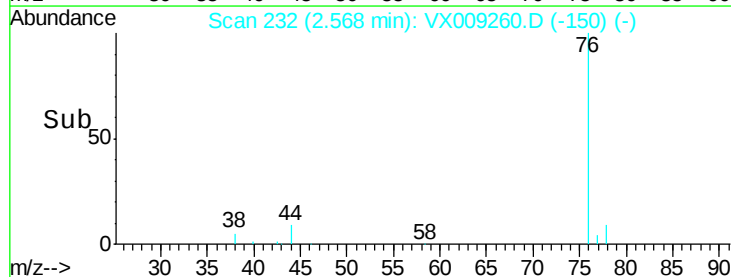
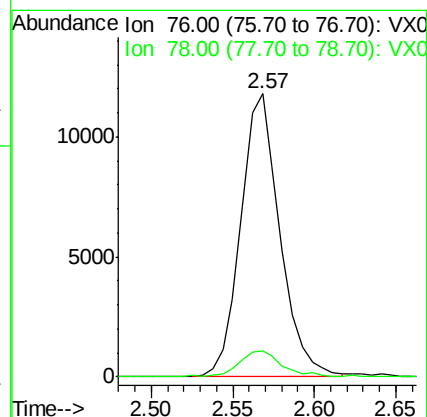
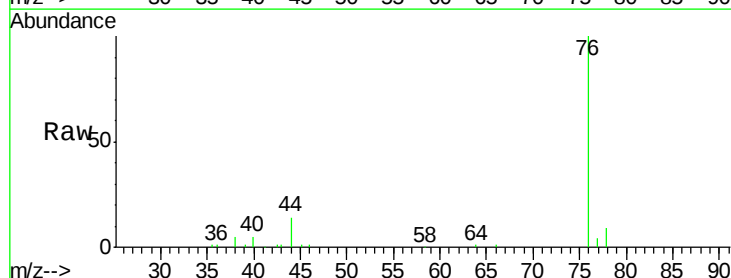
Acq: 01 May 2019 17:38

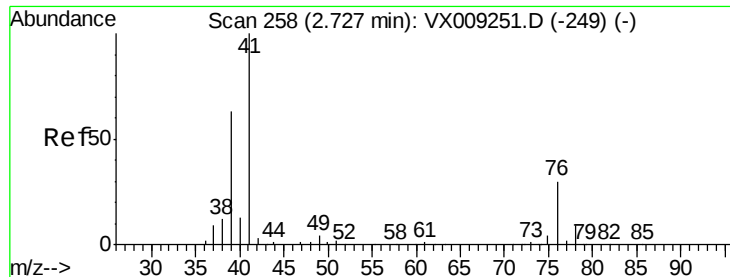
Tgt Ion: 76 Resp: 19666

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.2





#17

Allvl chloride

Concen: 4.802 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX009260.D

Acq: 01 May 2019 17:38

Instrument :

MSVOA_X

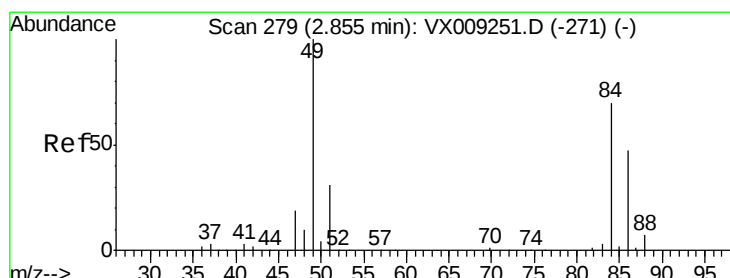
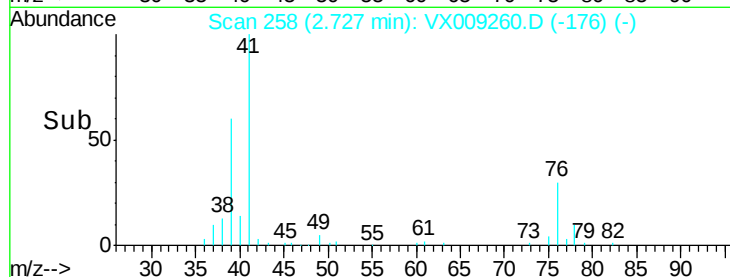
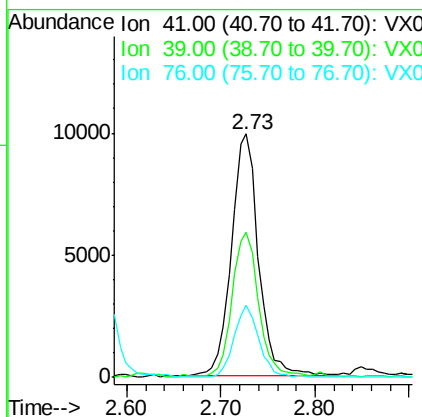
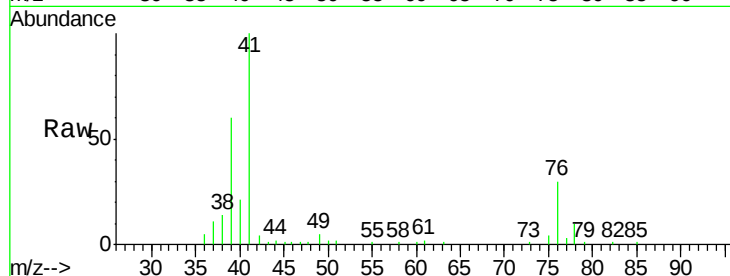
ClientSampleId :

LOQ-WATER-02-QT2-2019

Tot Ion:	41	Resp:	19855
Ion Ratio	Lower	Upper	
41	100		
39	59.3	31.6	94.7
76	29.7	15.1	45.3

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#18

Methylene Chloride

Concen: 4.984 ug/l

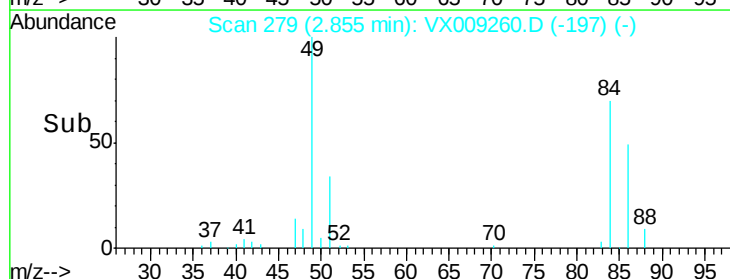
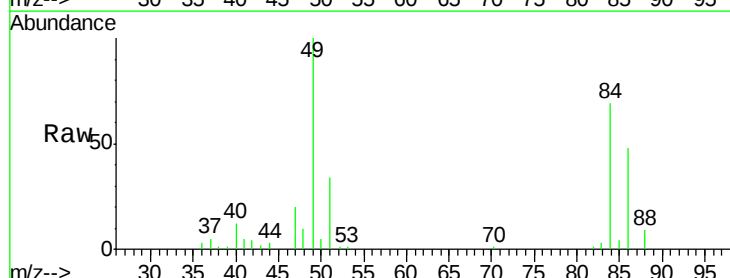
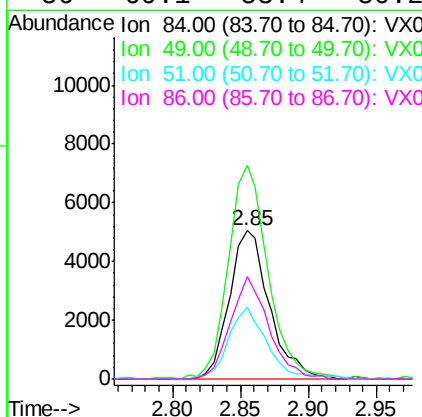
RT: 2.85 min Scan# 279

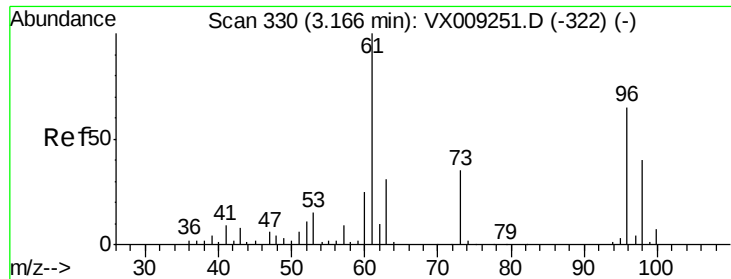
Delta R.T. -0.00 min

Lab File: VX009260.D

Acq: 01 May 2019 17:38

Tgt Ion:	84	Resp:	10373
Ion Ratio	Lower	Upper	
84	100		
49	142.0	114.6	171.8
51	48.8	35.5	53.3
86	69.1	53.4	80.2





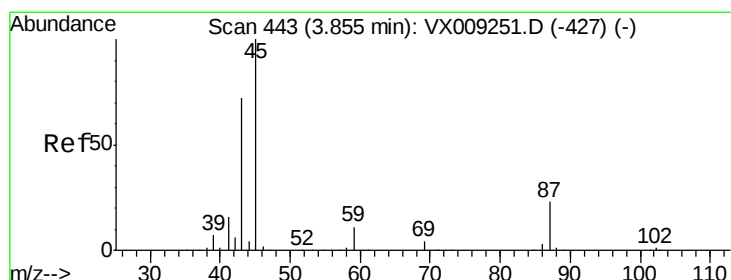
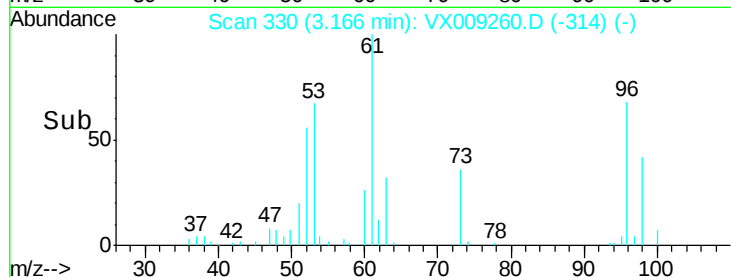
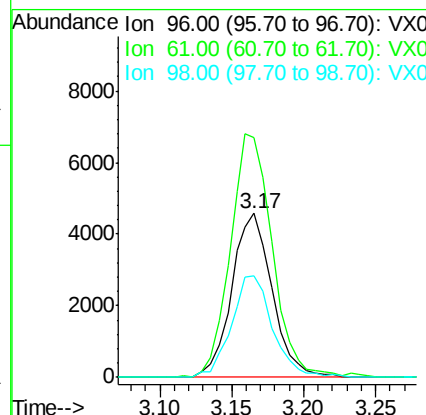
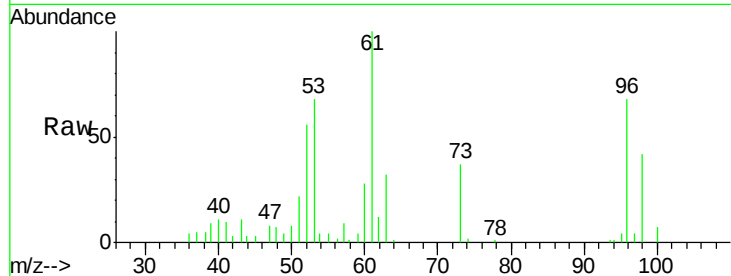
#19
trans-1,2-Dichloroethene
Concen: 4.884 ug/l
RT: 3.17 min Scan# 330
Delta R.T. -0.00 min
Lab File: VX009260.D
Acq: 01 May 2019 17:38

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT2-2019

Tot Ion	Ratio	Lower	Upper
96	100		
61	146.1	122.7	184.1
98	62.1	49.5	74.3

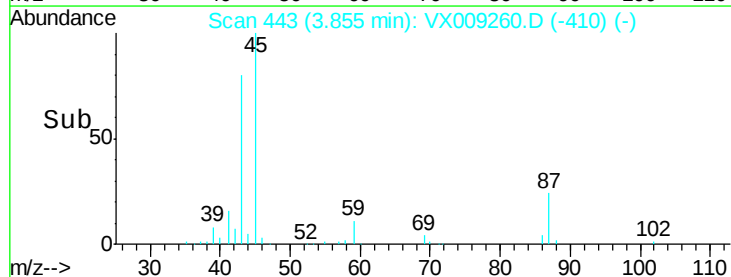
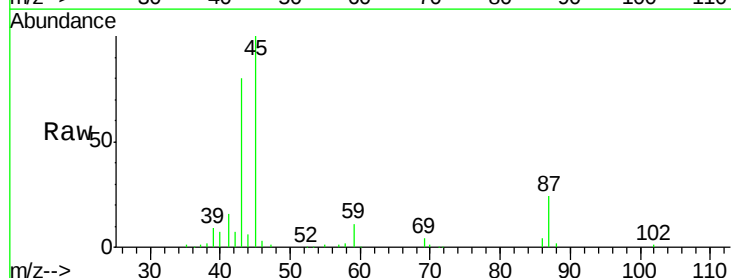
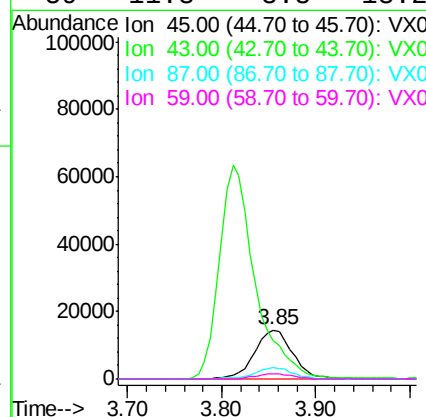
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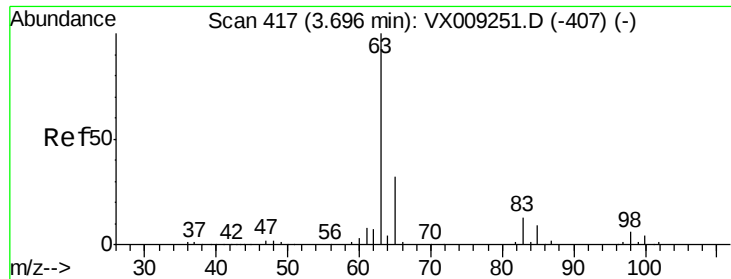
MMDadoda
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#20
Diisopropyl ether
Concen: 5.029 ug/l
RT: 3.85 min Scan# 443
Delta R.T. -0.00 min
Lab File: VX009260.D
Acq: 01 May 2019 17:38

Tgt Ion	Ratio	Lower	Upper
45	100		
43	77.4	57.7	86.5
87	24.1	18.5	27.7
59	11.3	8.8	13.2





#21

1,1-Dichloroethane

Concen: 5.044 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX009260.D

Acq: 01 May 2019 17:38

Instrument :

MSVOA_X

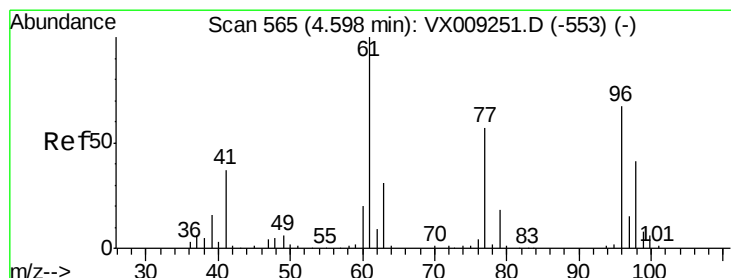
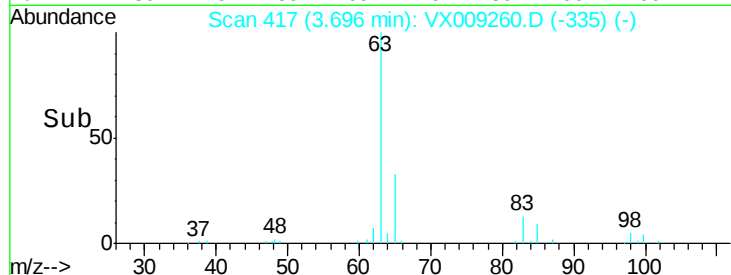
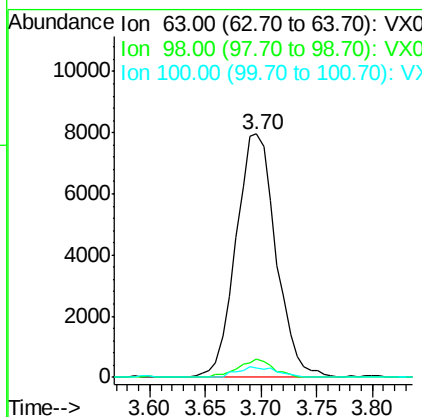
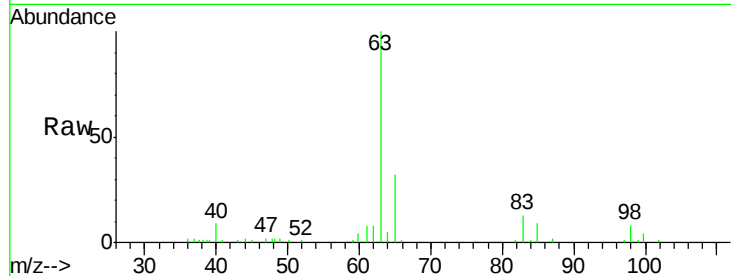
ClientSampleId :

LOQ-WATER-02-QT2-2019

Tot Ion:	63	Resp:	19877
Ion	Ratio	Lower	Upper
63	100		
98	7.8	3.1	9.3
100	3.6	2.2	6.6

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#22

cis-1,2-Dichloroethene

Concen: 5.022 ug/l

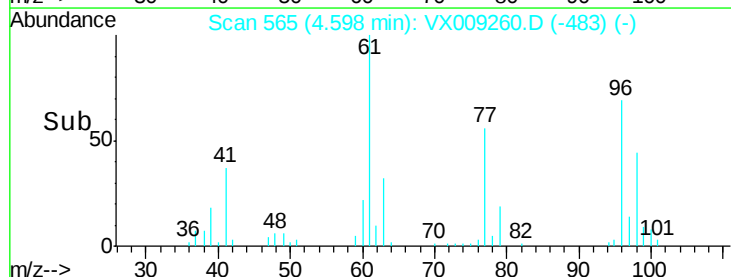
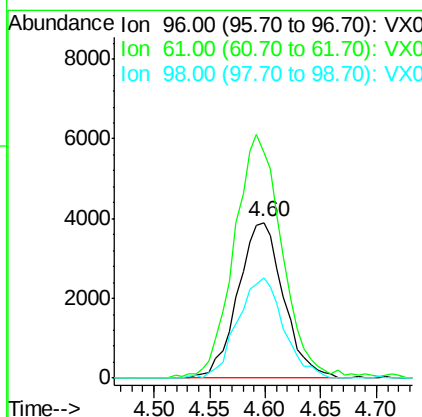
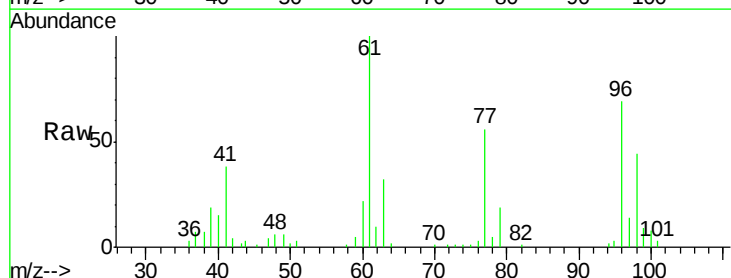
RT: 4.60 min Scan# 565

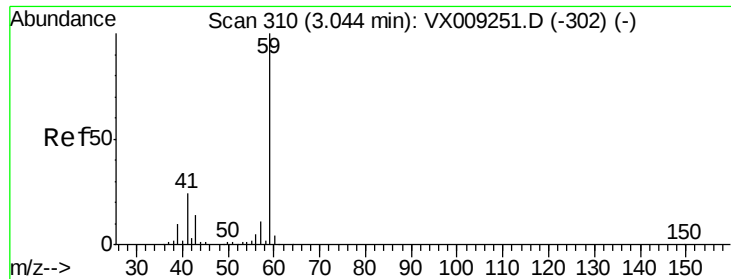
Delta R.T. -0.00 min

Lab File: VX009260.D

Acq: 01 May 2019 17:38

Tgt Ion:	96	Resp:	11107
Ion	Ratio	Lower	Upper
96	100		
61	163.1	127.7	191.5
98	65.1	50.5	75.7





#23

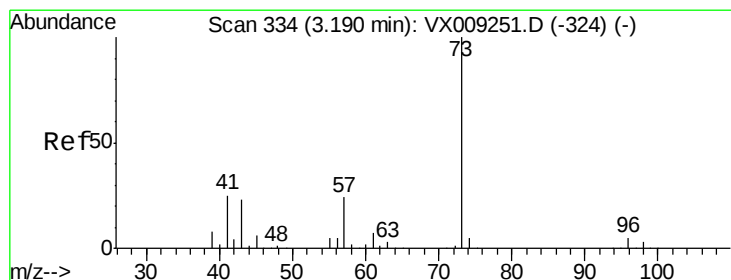
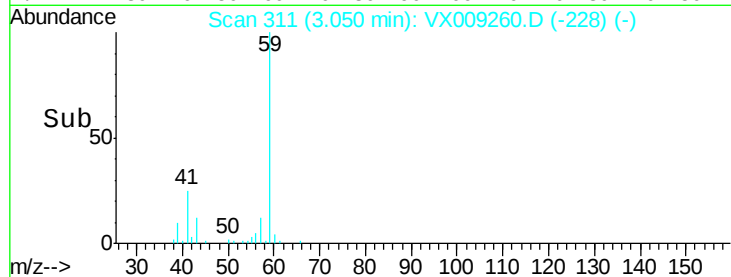
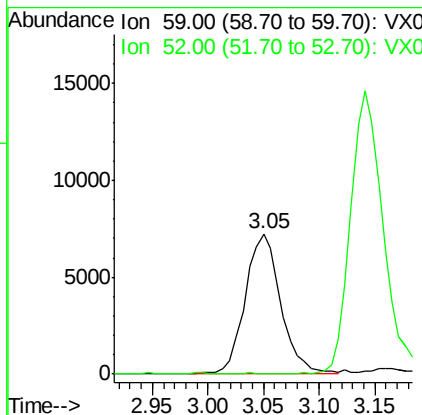
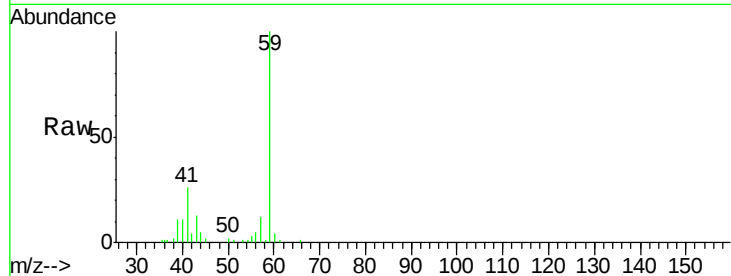
tert-Butyl Alcohol
Concen: 27.214 ug/l
RT: 3.05 min Scan# 311
Delta R.T. 0.01 min
Lab File: VX009260.D
Acq: 01 May 2019 17:38

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT2-2019

Tot Ion: 59 Resp: 16200
Ion Ratio Lower Upper
59 100
52 0.4 0.2 0.2#

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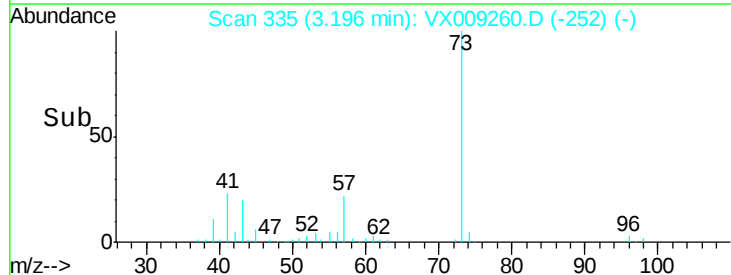
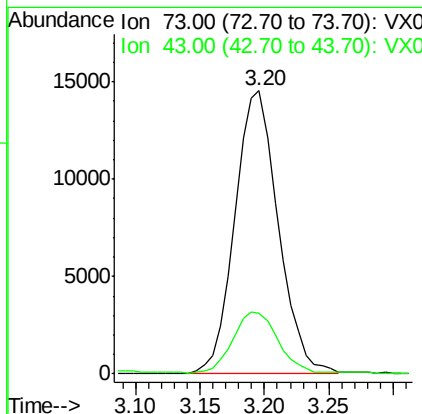
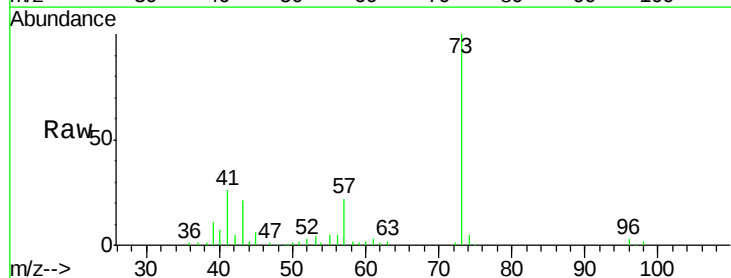
MMDadoda
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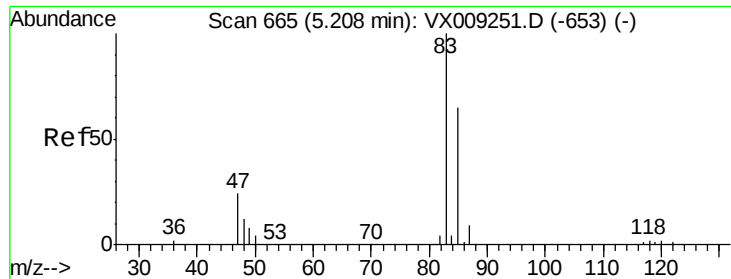


#24

Methyl tert-Butyl Ether
Concen: 5.049 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.01 min
Lab File: VX009260.D
Acq: 01 May 2019 17:38

Tgt Ion: 73 Resp: 34033
Ion Ratio Lower Upper
73 100
43 22.8 17.6 26.4





#25

Chloroform

Concen: 5.168 ug/l

RT: 5.21 min Scan# 665

Delta R.T. -0.00 min

Lab File: VX009260.D

Acq: 01 May 2019 17:38

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT2-2019

Tot Ion: 83 Resp: 18585

Ion Ratio Lower Upper

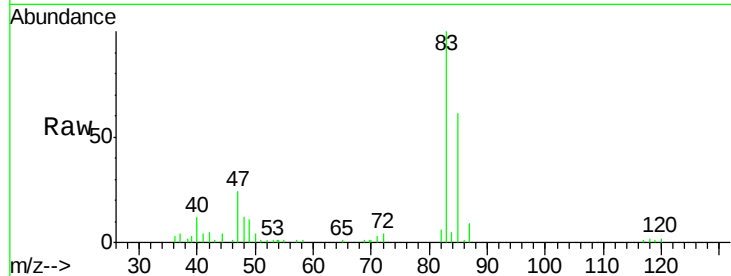
83 100

85 61.3 51.9 77.9

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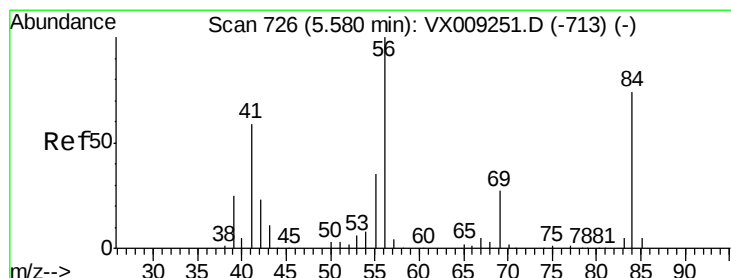
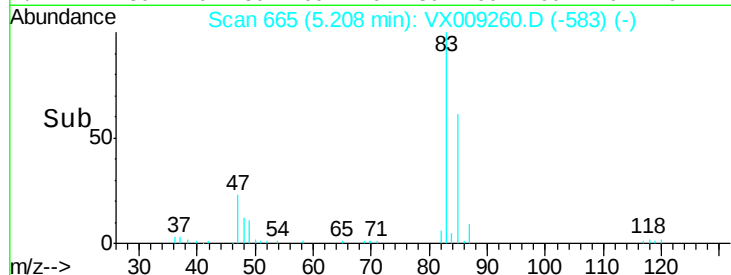
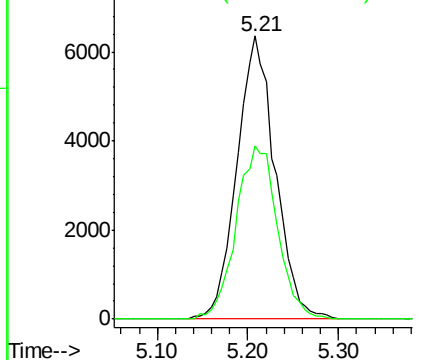
MMDadoda

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Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0



#26

Cyclohexane

Concen: 4.691 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX009260.D

Acq: 01 May 2019 17:38

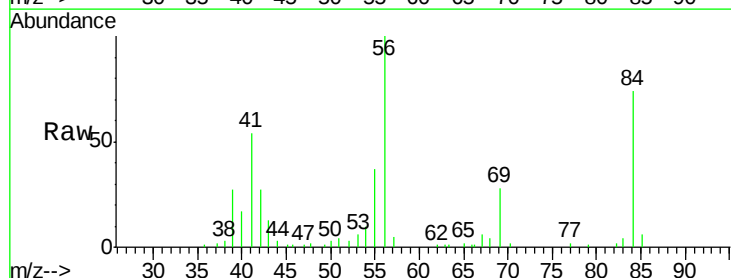
Tgt Ion: 56 Resp: 17229

Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

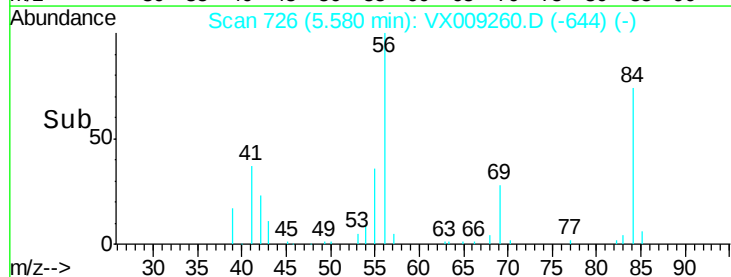
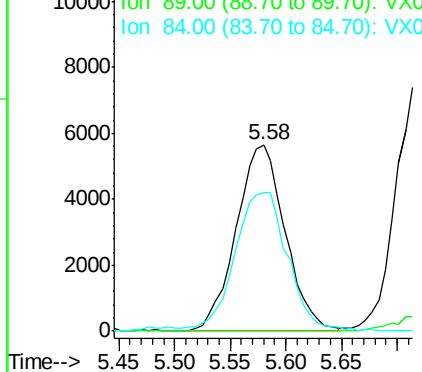
84 80.6 59.7 89.5

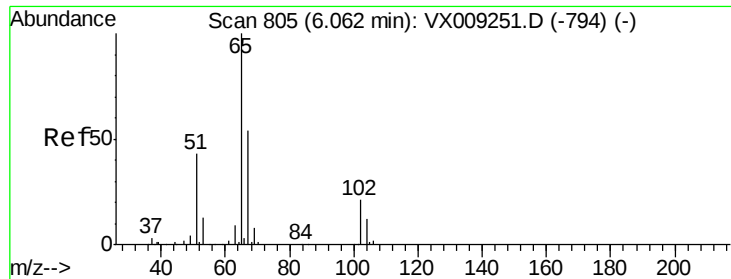


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 89.00 (88.70 to 89.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#27

1,2-Dichloroethane-d4

Concen: 29.104 ug/l

RT: 6.06 min Scan# 804

Delta R.T. -0.01 min

Lab File: VX009260.D

Acq: 01 May 2019 17:38

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT2-2019

Tot Ion: 65 Resp: 76018

Ion Ratio Lower Upper

65 100

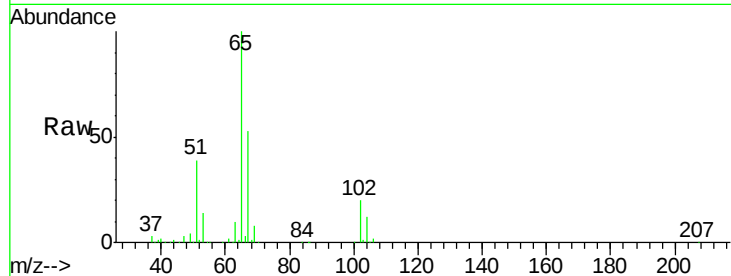
67 55.1 43.1 64.7

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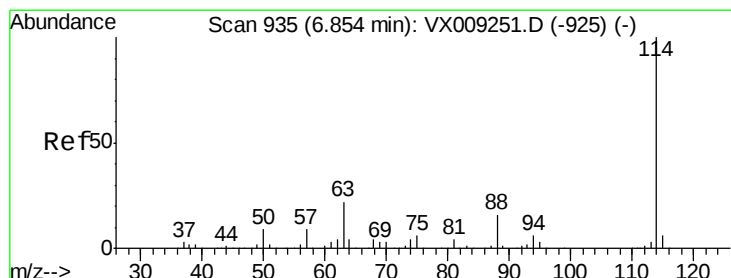
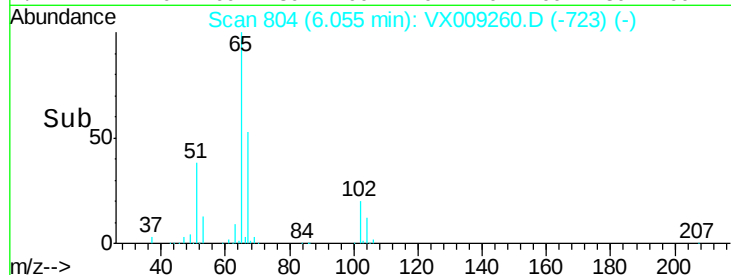
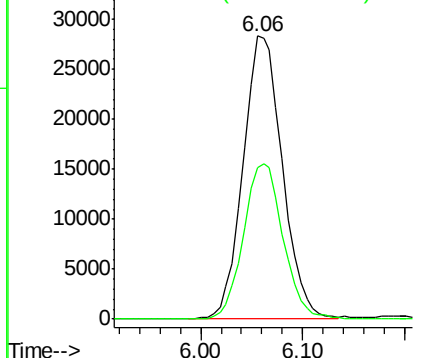
MMDadoda

5/2/2019 10:53:41 AM



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.01 min

Lab File: VX009260.D

Acq: 01 May 2019 17:38

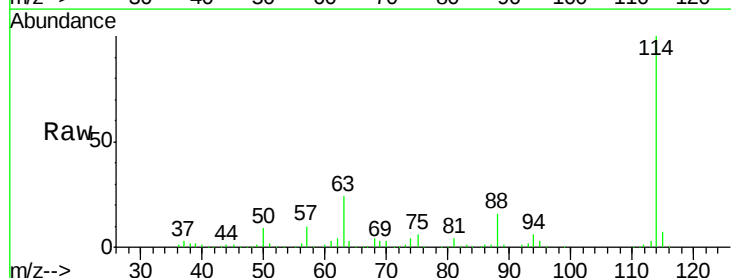
Tgt Ion: 114 Resp: 178076

Ion Ratio Lower Upper

114 100

63 23.7 18.0 27.0

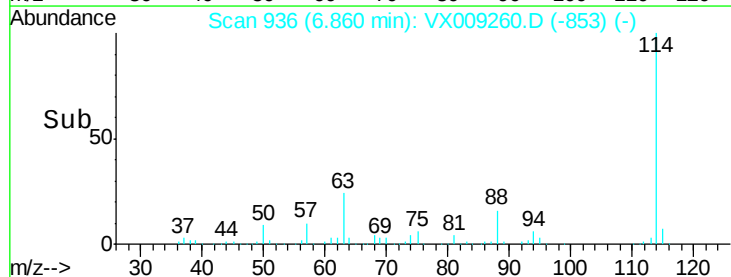
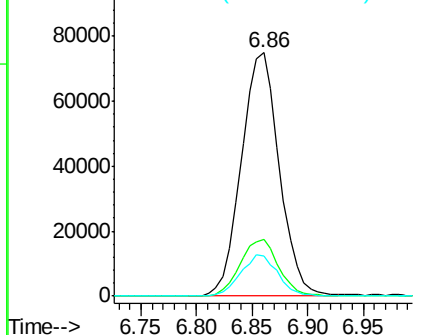
88 16.6 13.4 20.0

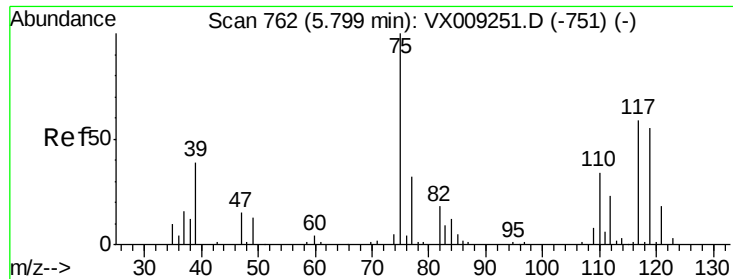


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0





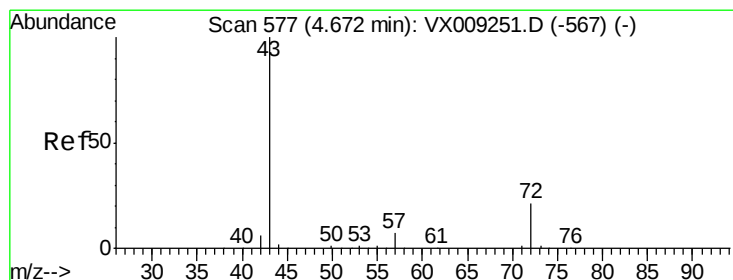
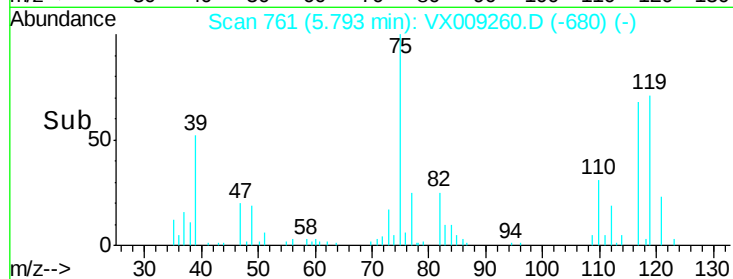
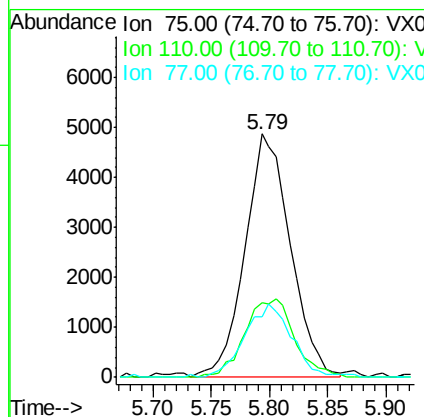
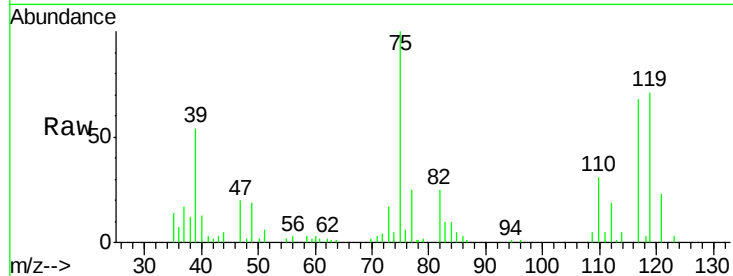
#29
 1,1-Dichloropropene
 Concen: 5.076 ug/l
 RT: 5.79 min Scan# 761
 Delta R.T. -0.01 min
 Lab File: VX009260.D
 Acq: 01 May 2019 17:38

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT2-2019

Tot Ion:	75	Resp:	13264
Ion Ratio	Lower	Upper	
75	100		
110	34.7	0.0	66.4
77	30.9	0.0	62.2

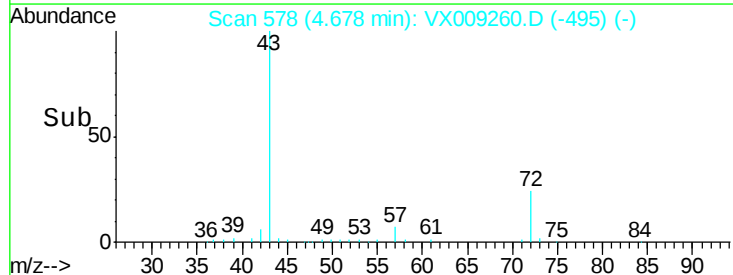
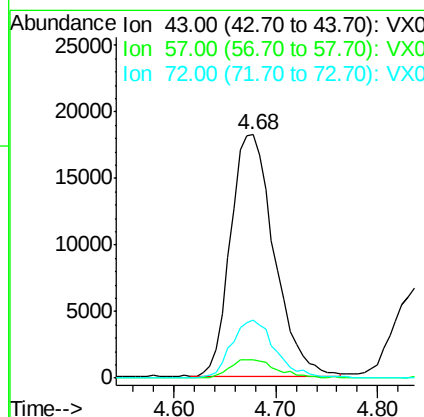
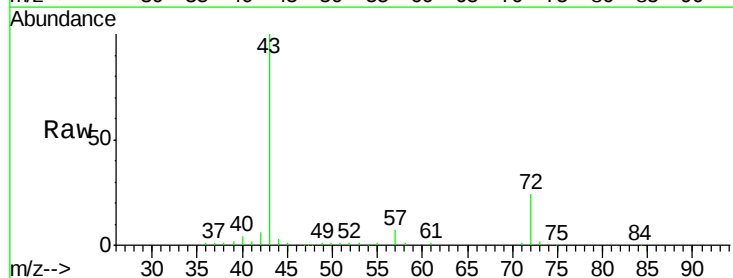
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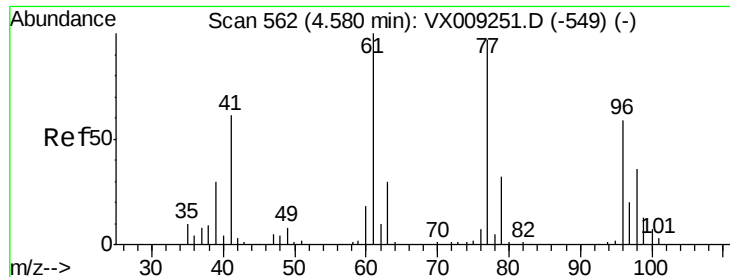
MMDadoda
 5/2/2019 10:53:41 AM



#30
 2-Butanone
 Concen: 26.424 ug/l
 RT: 4.68 min Scan# 578
 Delta R.T. 0.01 min
 Lab File: VX009260.D
 Acq: 01 May 2019 17:38

Tgt Ion:	43	Resp:	54072
Ion Ratio	Lower	Upper	
43	100		
57	8.0	6.0	9.0
72	24.1	18.2	27.4





#31

2,2-Dichloropropane

Concen: 4.993 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX009260.D

Acq: 01 May 2019 17:38

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT2-2019

Tot Ion: 77 Resp: 14384

Ion Ratio Lower Upper

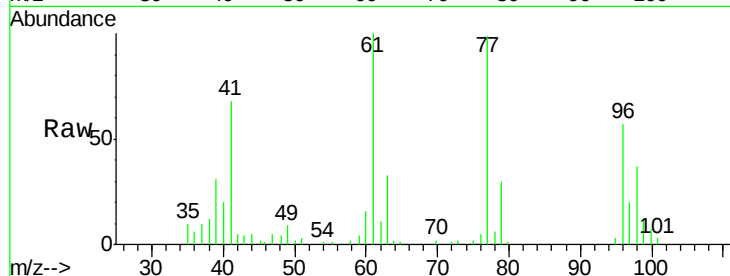
77 100

97 12.5 18.3 27.5#

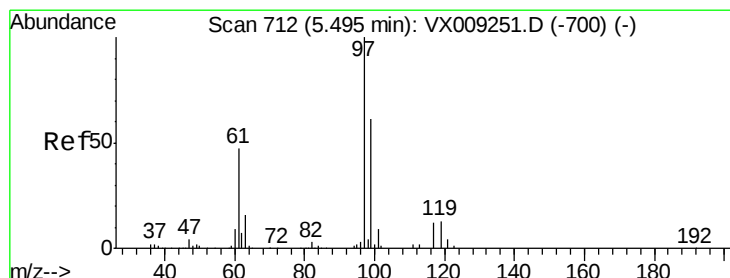
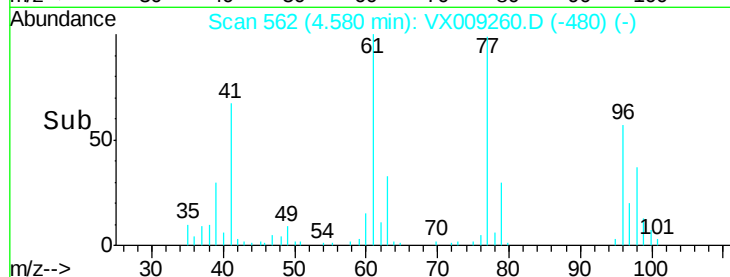
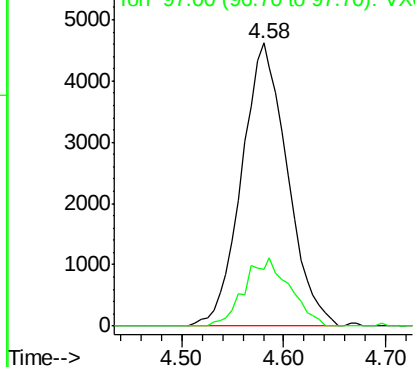
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Abundance Ion 77.00 (76.70 to 77.70): VX0
Ion 97.00 (96.70 to 97.70): VX0



#32

1,1,1-Trichloroethane

Concen: 5.126 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

Lab File: VX009260.D

Acq: 01 May 2019 17:38

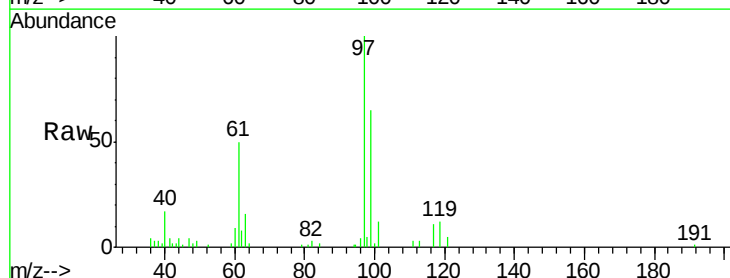
Tgt Ion: 97 Resp: 14520

Ion Ratio Lower Upper

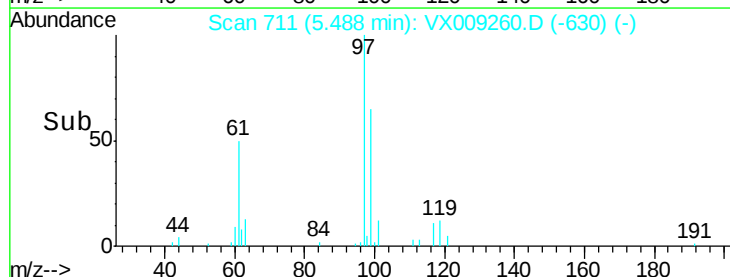
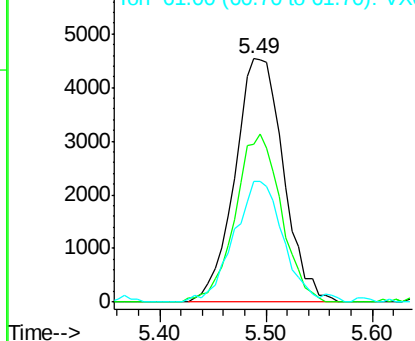
97 100

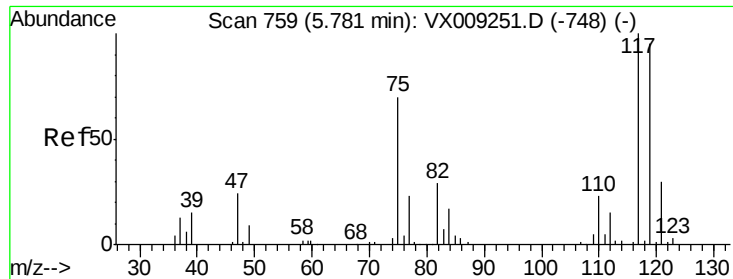
99 65.3 53.9 80.9

61 49.8 38.6 58.0



Abundance Ion 97.00 (96.70 to 97.70): VX0
Ion 99.00 (98.70 to 99.70): VX0
Ion 61.00 (60.70 to 61.70): VX0





#33

Carbon Tetrachloride

Concen: 4.788 ug/l m

RT: 5.78 min Scan# 759

Delta R.T. -0.00 min

Lab File: VX009260.D

Acq: 01 May 2019 17:38

Instrument :

MSVOA_X

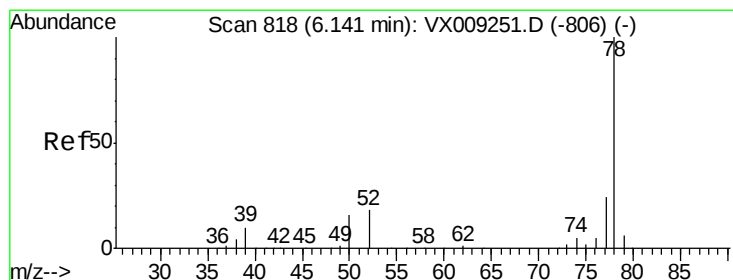
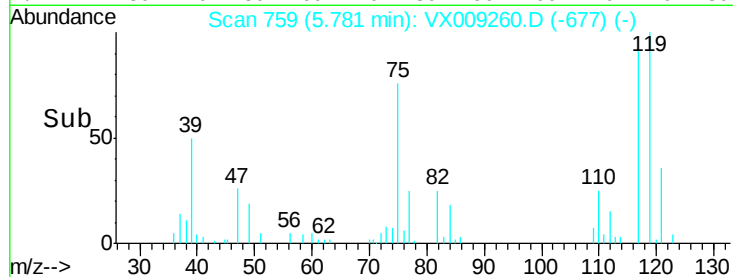
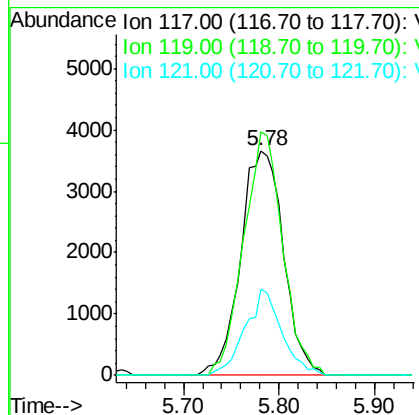
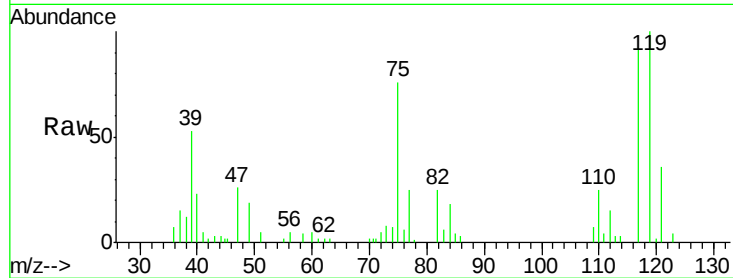
ClientSampleId :

LOQ-WATER-02-QT2-2019

Tot Ion:117 Resp: 11348
 Ion Ratio Lower Upper
 117 100
 119 108.5 76.1 114.1
 121 38.6 24.4 36.6#

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#34

Benzene

Concen: 5.212 ug/l

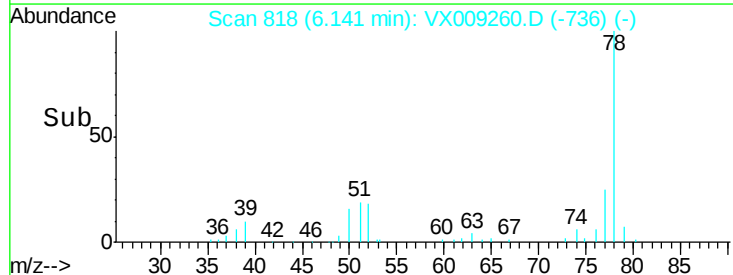
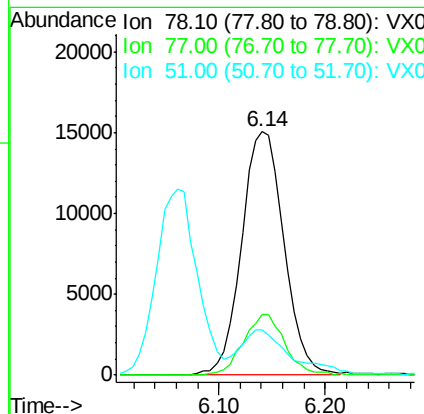
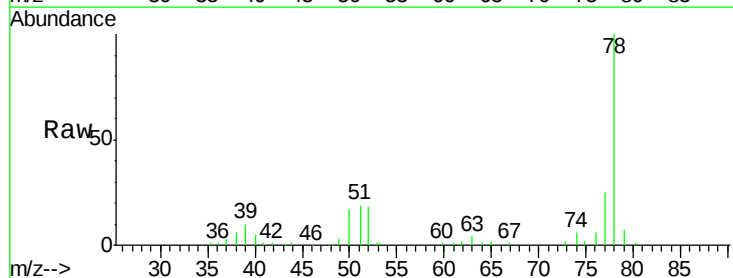
RT: 6.14 min Scan# 818

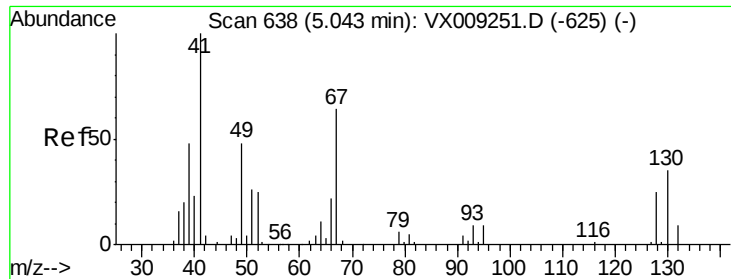
Delta R.T. -0.00 min

Lab File: VX009260.D

Acq: 01 May 2019 17:38

Tgt Ion: 78 Resp: 41985
 Ion Ratio Lower Upper
 78 100
 77 24.7 18.8 28.2
 51 17.1 13.5 20.3





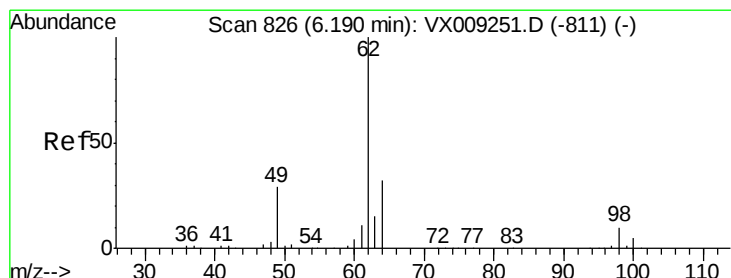
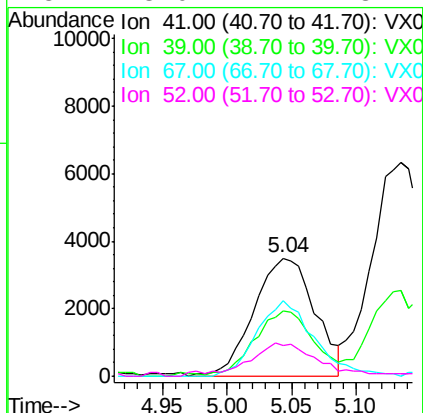
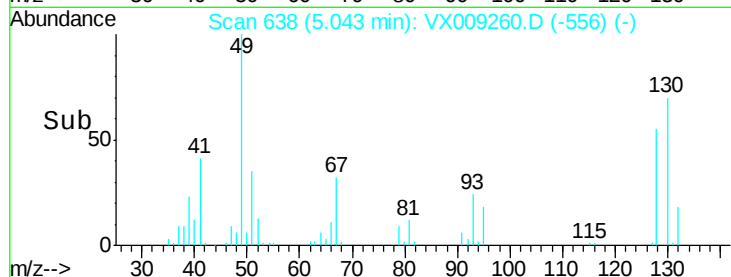
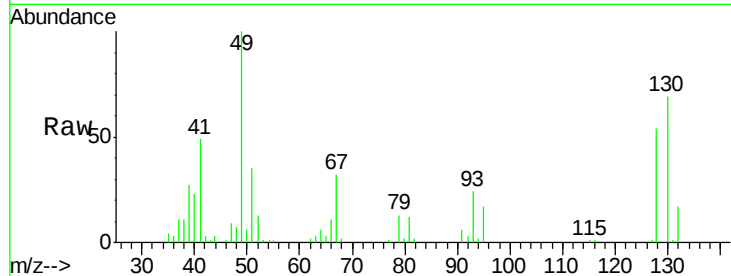
#35
Methacrylonitrile
Concen: 5.379 ug/l
RT: 5.04 min Scan# 638
Delta R.T. -0.00 min
Lab File: VX009260.D
Acq: 01 May 2019 17:38

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT2-2019

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.9	24.1	72.3	
67	63.9	32.2	96.6	
52	23.0	12.4	37.4	

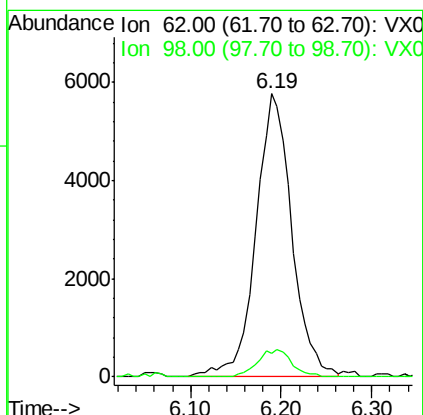
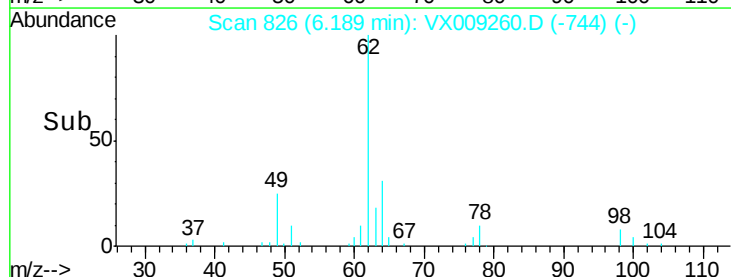
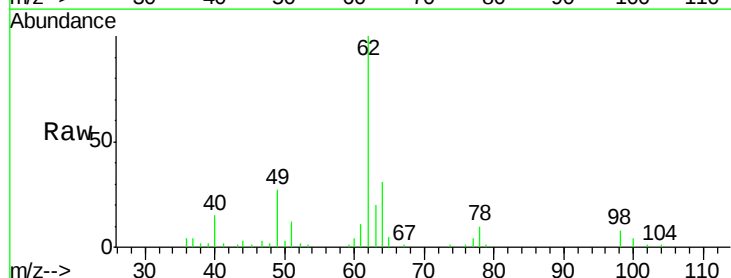
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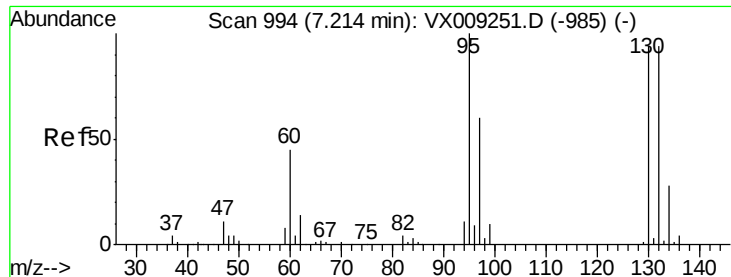
MMDadoda
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#36
1,2-Dichloroethane
Concen: 5.410 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.00 min
Lab File: VX009260.D
Acq: 01 May 2019 17:38

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.1	7.4	11.2	





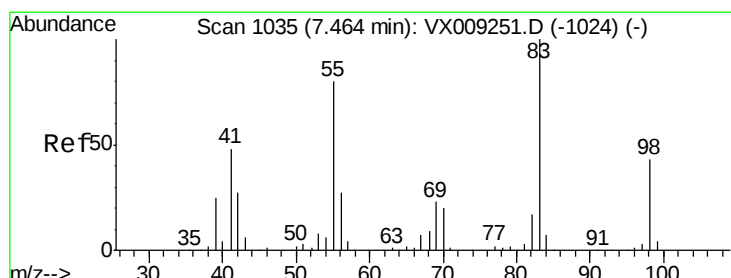
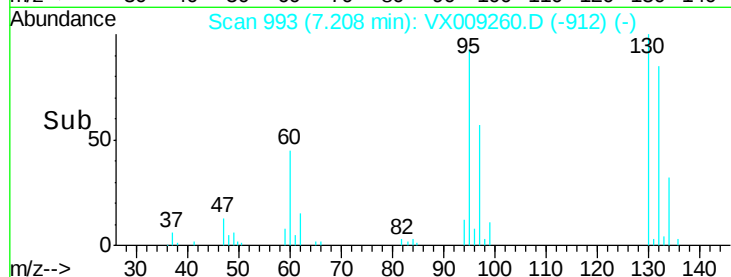
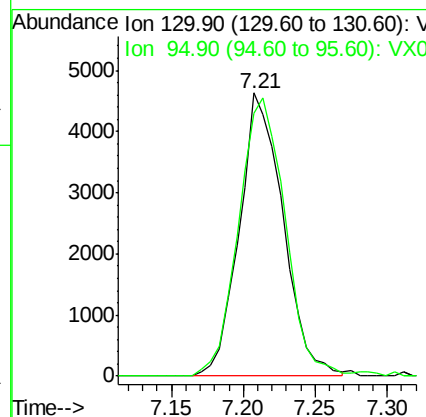
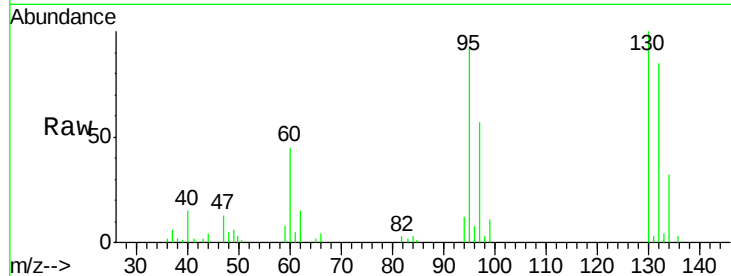
#37
 Trichloroethene
 Concen: 5.033 ug/l
 RT: 7.21 min Scan# 993
 Delta R.T. -0.01 min
 Lab File: VX009260.D
 Acq: 01 May 2019 17:38

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT2-2019

Tot Ion:130 Resp: 9760
 Ion Ratio Lower Upper
 130 100
 95 92.8 85.0 127.4

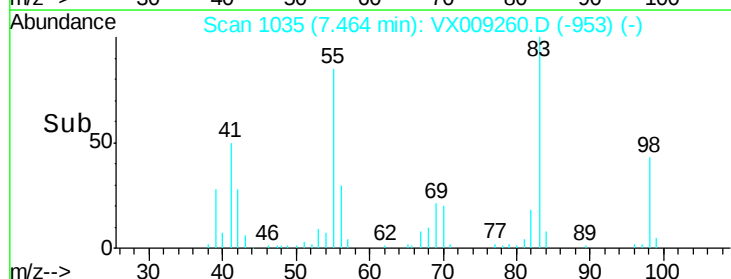
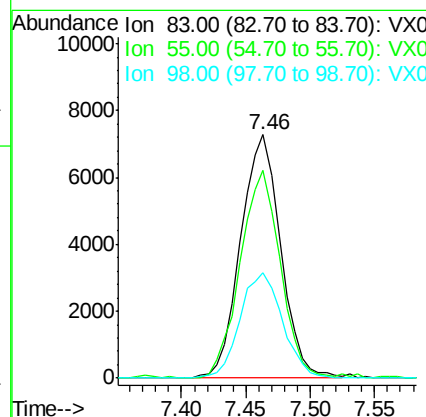
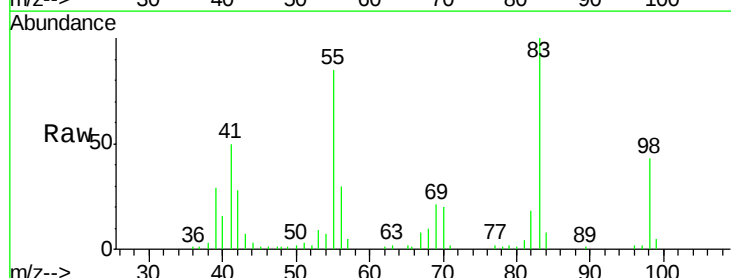
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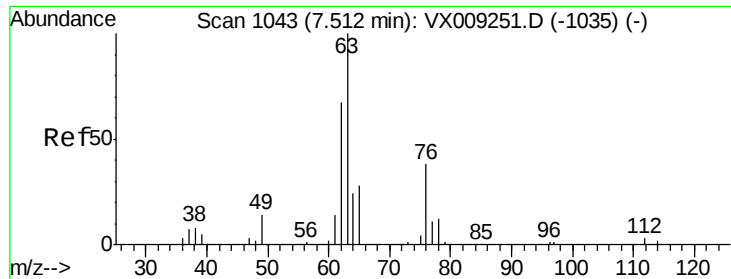
MMDadoda
 5/2/2019 10:53:41 AM



#38
 Methylcyclohexane
 Concen: 4.852 ug/l
 RT: 7.46 min Scan# 1035
 Delta R.T. -0.00 min
 Lab File: VX009260.D
 Acq: 01 May 2019 17:38

Tgt Ion: 83 Resp: 15663
 Ion Ratio Lower Upper
 83 100
 55 85.7 43.0 129.2
 98 45.8 22.1 66.1





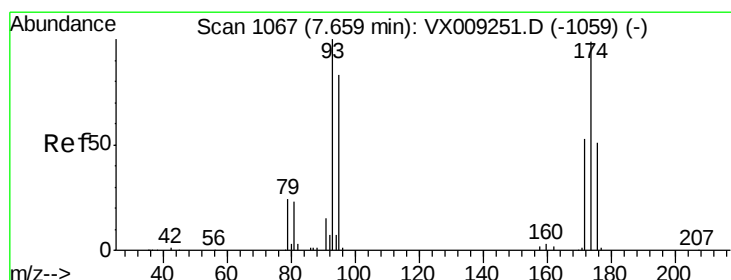
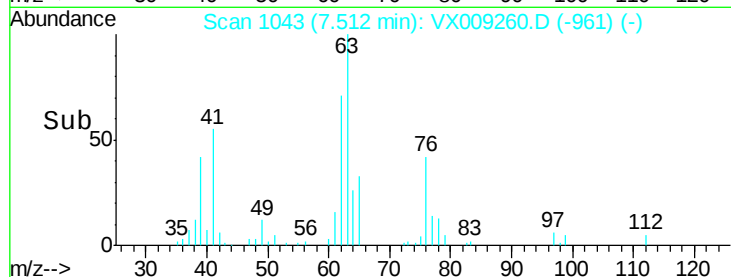
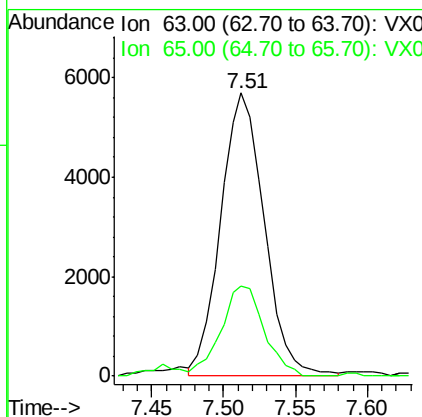
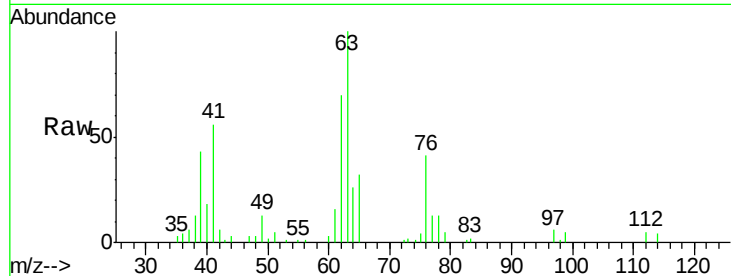
#39
 1,2-Dichloropropane
 Concen: 5.243 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX009260.D
 Acq: 01 May 2019 17:38

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT2-2019

Tot Ion: 63 Resp: 12027
 Ion Ratio Lower Upper
 63 100
 65 32.4 24.0 36.0

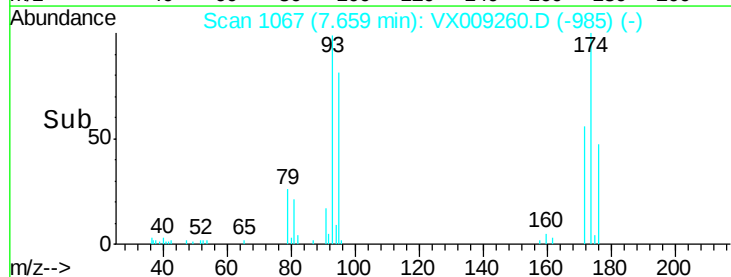
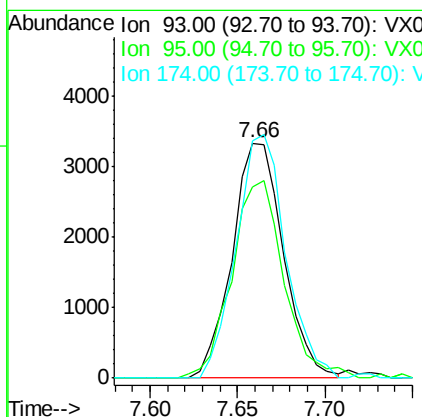
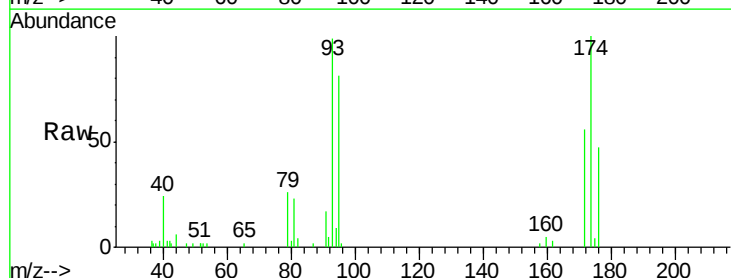
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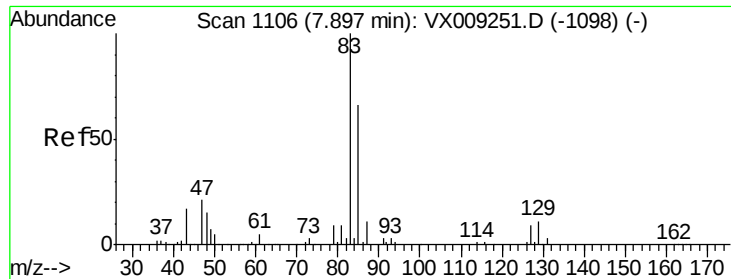
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#40
 Dibromomethane
 Concen: 5.240 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX009260.D
 Acq: 01 May 2019 17:38

Tgt Ion: 93 Resp: 6822
 Ion Ratio Lower Upper
 93 100
 95 85.4 0.0 167.2
 174 100.3 0.0 203.4





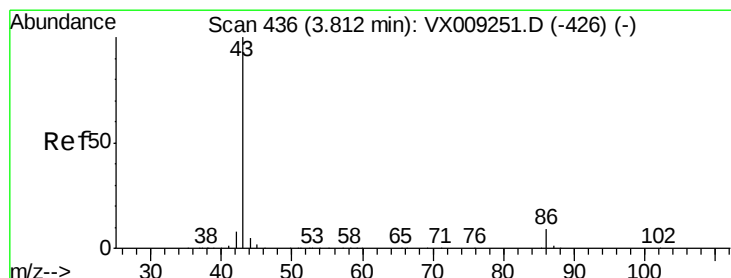
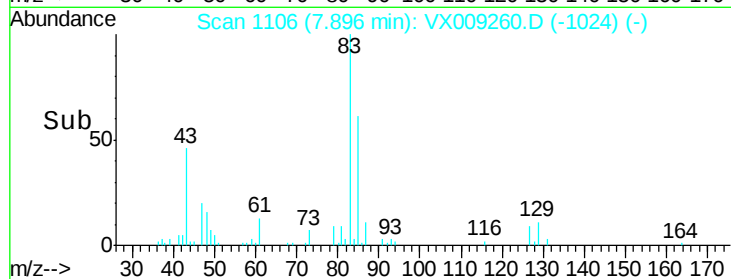
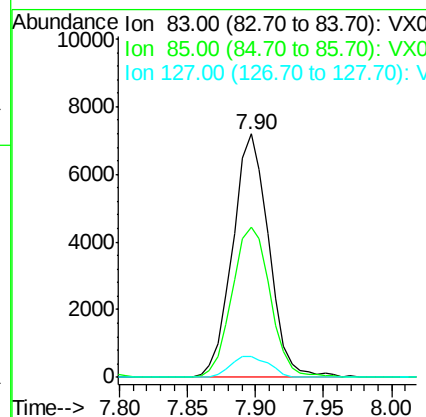
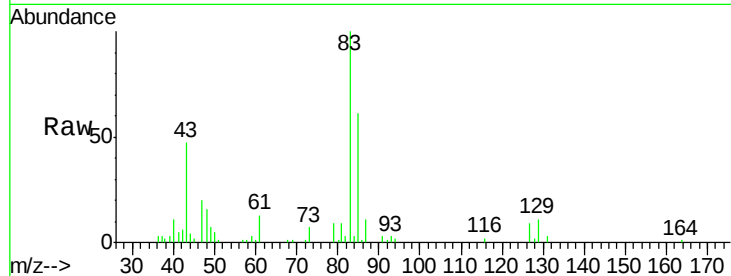
#41
 Bromodichloromethane
 Concen: 5.015 ug/l
 RT: 7.90 min Scan# 1106
 Delta R.T. -0.00 min
 Lab File: VX009260.D
 Acq: 01 May 2019 17:38

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT2-2019

Tot Ion	83	Resp	13337
Ion Ratio	100	Lower	Upper
83	100		
85	61.5	52.6	79.0
127	8.7	6.9	10.3

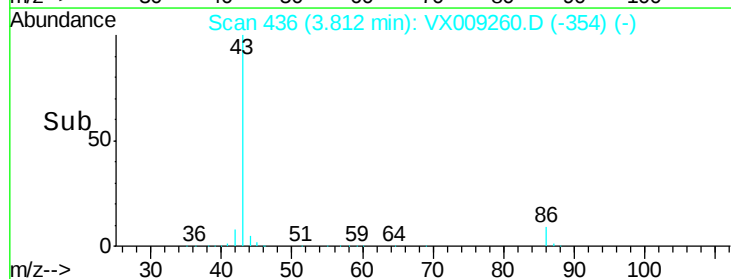
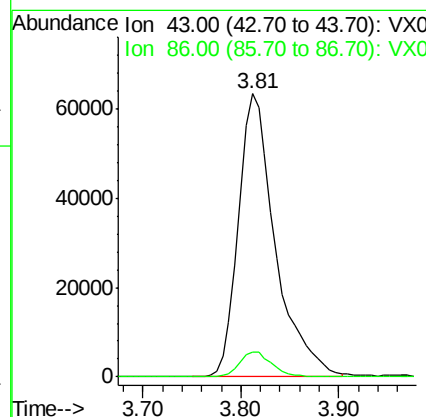
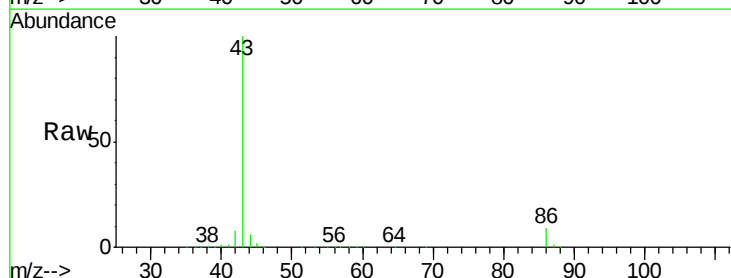
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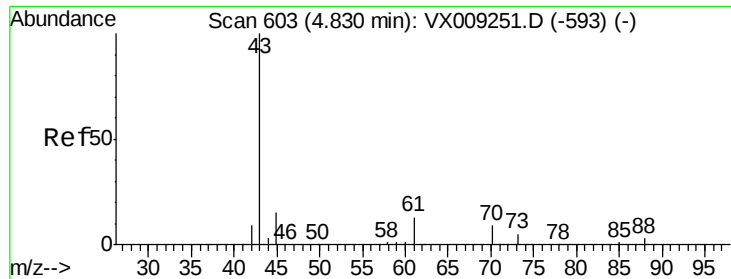
MMDadoda
 5/2/2019 10:53:41 AM



#42
 Vinyl Acetate
 Concen: 24.680 ug/l
 RT: 3.81 min Scan# 436
 Delta R.T. -0.00 min
 Lab File: VX009260.D
 Acq: 01 May 2019 17:38

Tgt Ion	43	Resp	166682
Ion Ratio	100	Lower	Upper
43	100		
86	7.8	6.0	9.0





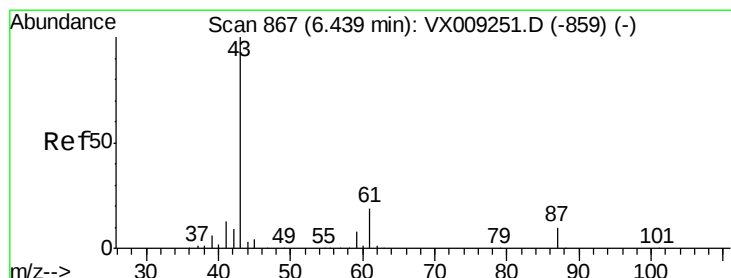
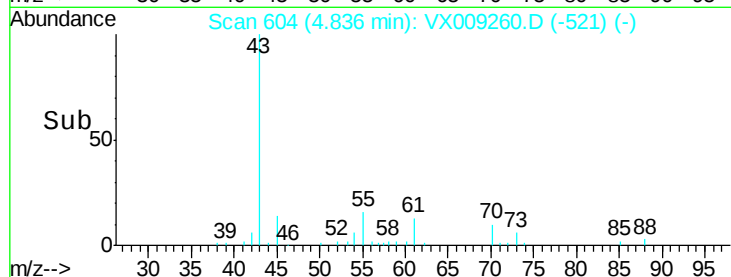
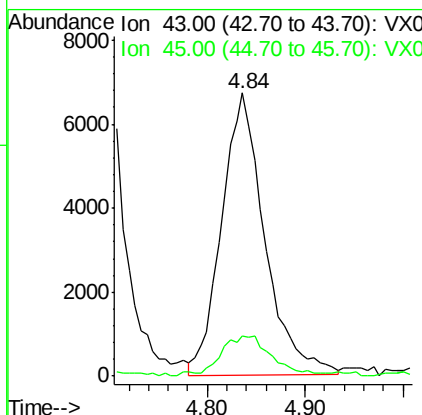
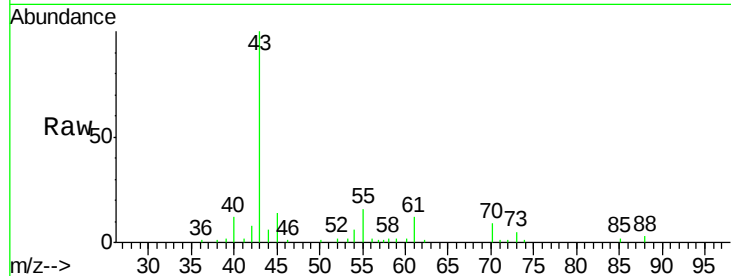
#43
Ethyl Acetate
Concen: 5.556 ug/l
RT: 4.84 min Scan# 604
Delta R.T. 0.01 min
Lab File: VX009260.D
Acq: 01 May 2019 17:38

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT2-2019

Tot Ion: 43 Resp: 20543
Ion Ratio Lower Upper
43 100
45 16.1 11.8 17.8

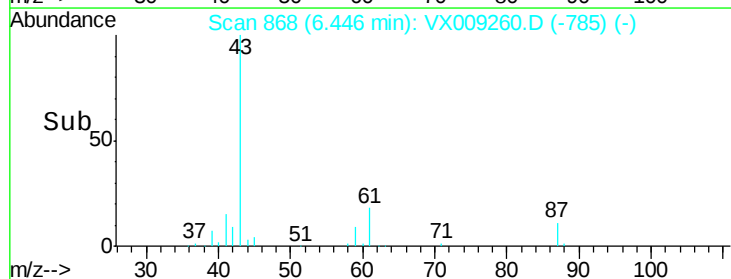
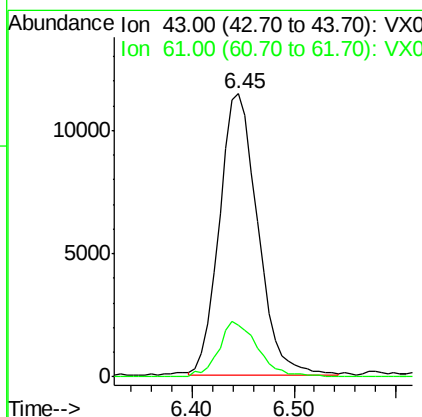
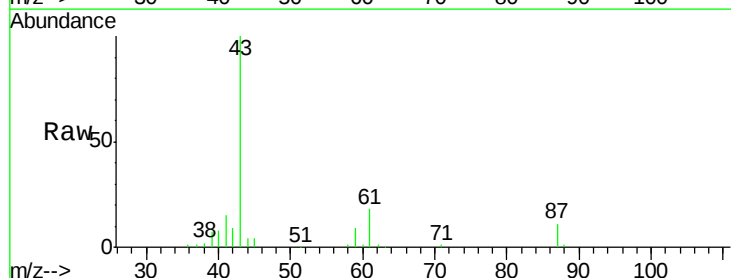
Manual Integrations
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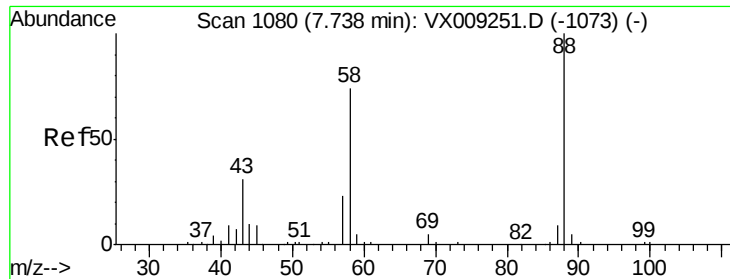
MMDadoda
5/2/2019 10:53:41 AM



#44
Isopropyl Acetate
Concen: 4.992 ug/l
RT: 6.45 min Scan# 868
Delta R.T. 0.01 min
Lab File: VX009260.D
Acq: 01 May 2019 17:38

Tgt Ion: 43 Resp: 29906
Ion Ratio Lower Upper
43 100
61 20.0 15.4 23.2





#45

1,4-Dioxane

Concen: 113.804 ug/l

RT: 7.74 min Scan# 1081

Delta R.T. 0.01 min

Lab File: VX009260.D

Acq: 01 May 2019 17:38

Instrument :

MSVOA_X

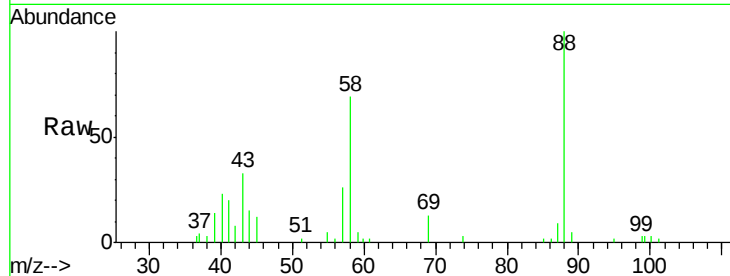
ClientSampleId :

LOQ-WATER-02-QT2-2019

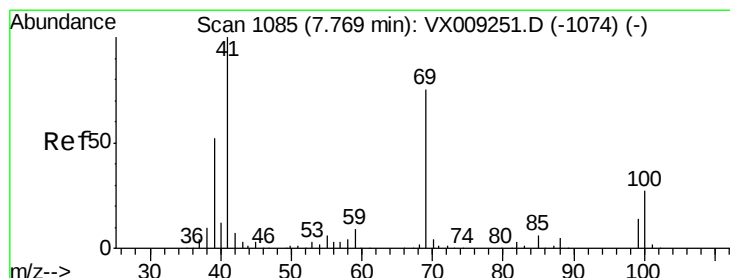
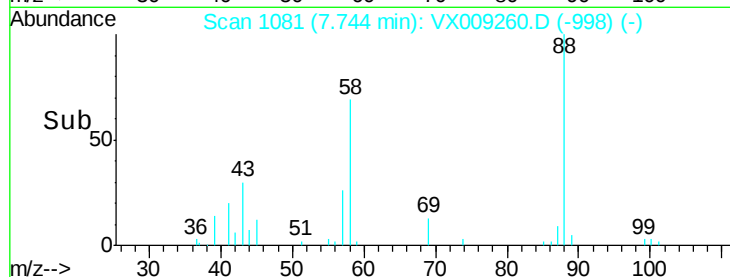
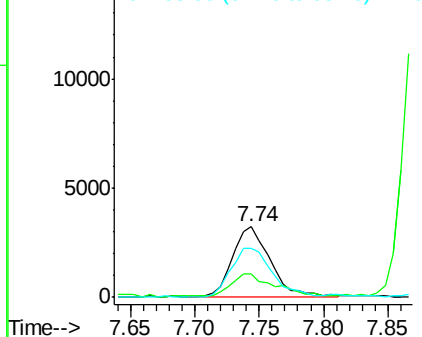
Tot Ion:	88	Resp:	6693
Ion	Ratio	Lower	Upper
88	100		
43	35.6	28.5	42.7
58	75.3	62.5	93.7

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



#46

Methyl methacrylate

Concen: 5.145 ug/l

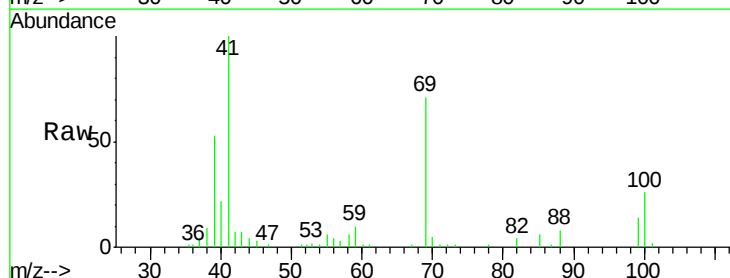
RT: 7.77 min Scan# 1085

Delta R.T. -0.00 min

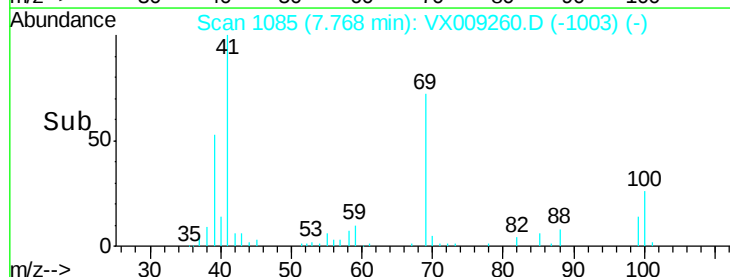
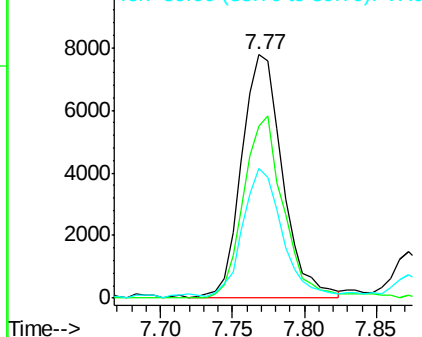
Lab File: VX009260.D

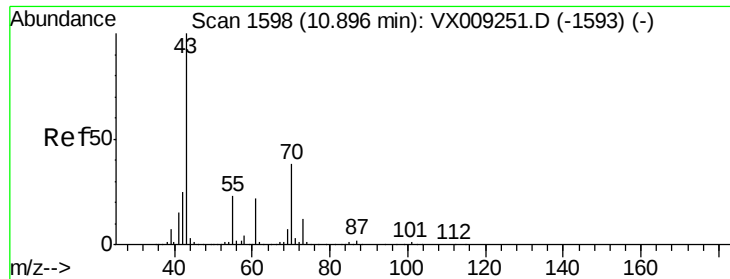
Acq: 01 May 2019 17:38

Tgt Ion:	41	Resp:	15382
Ion	Ratio	Lower	Upper
41	100		
69	70.6	37.6	112.8
39	51.5	25.8	77.3



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0





#47

n-amyl Acetate

Concen: 4.910 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX009260.D

Acq: 01 May 2019 17:38

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT2-2019

Tot Ion: 43 Resp: 26498

Ion Ratio Lower Upper

43 100

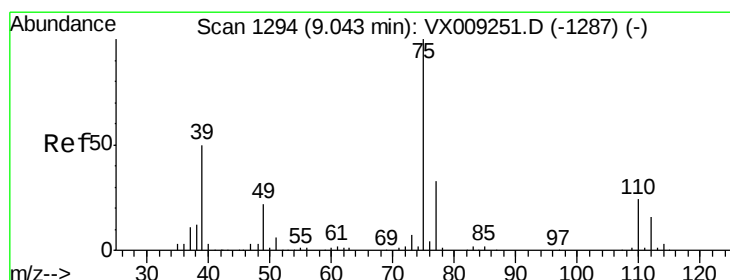
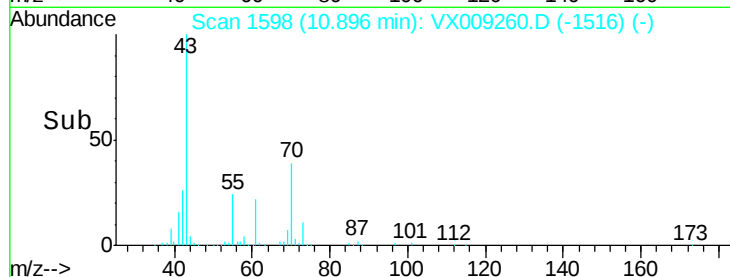
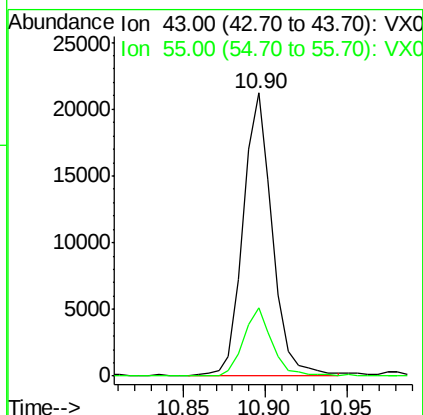
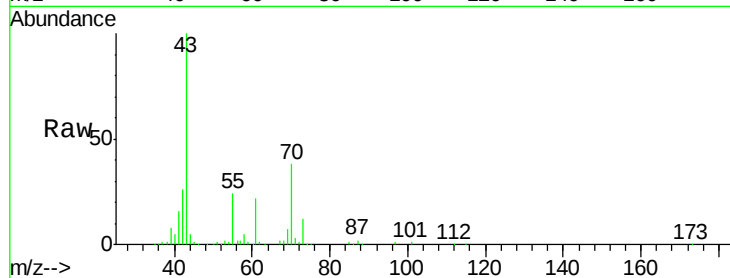
55 23.1 18.2 27.4

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#48

t-1,3-Dichloropropene

Concen: 4.624 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX009260.D

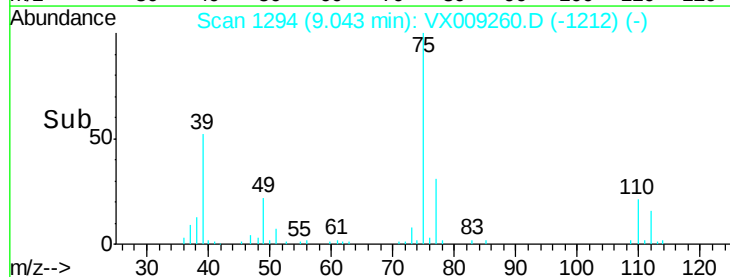
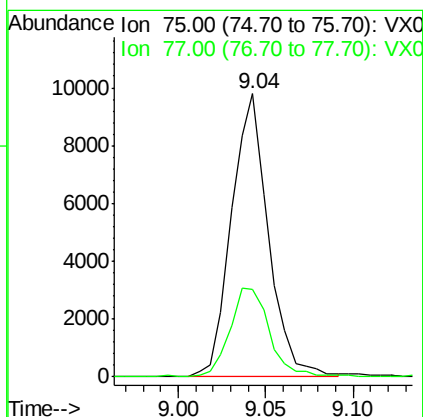
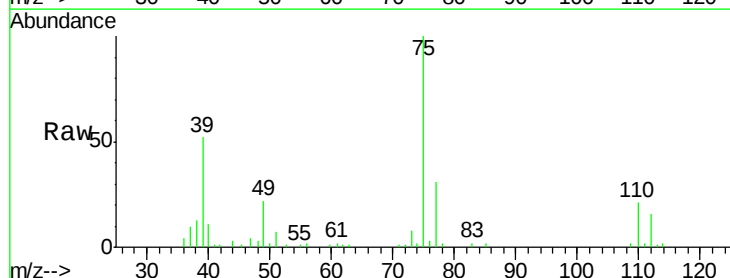
Acq: 01 May 2019 17:38

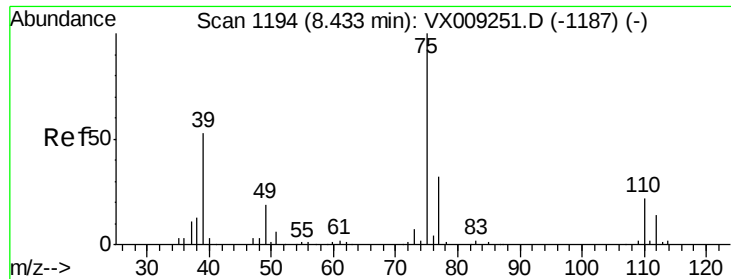
Tgt Ion: 75 Resp: 14350

Ion Ratio Lower Upper

75 100

77 31.0 26.5 39.7





#49

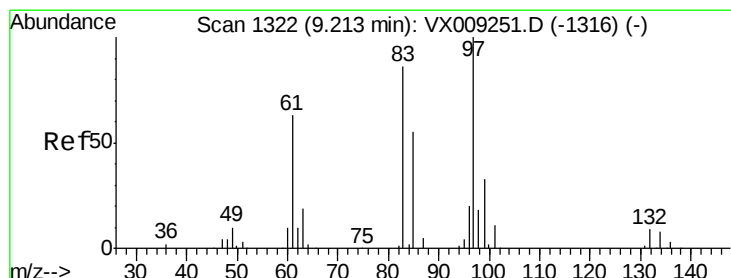
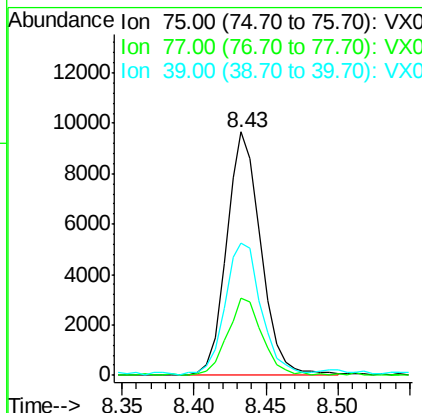
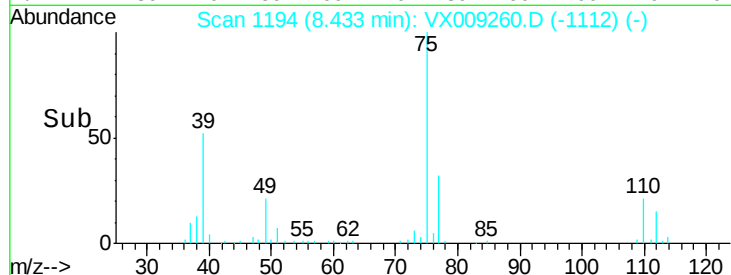
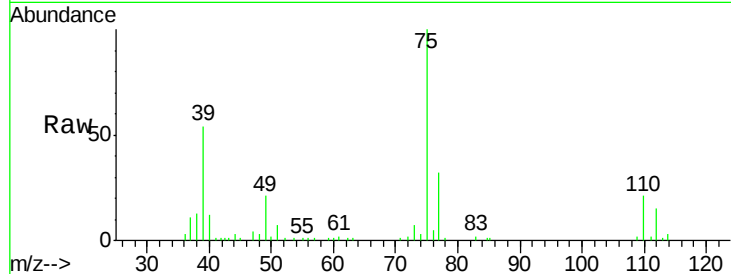
cis-1,3-Dichloropropene
Concen: 4.720 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX009260.D
Acq: 01 May 2019 17:38

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT2-2019

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.8	26.0	39.0
39	53.2	42.6	63.8

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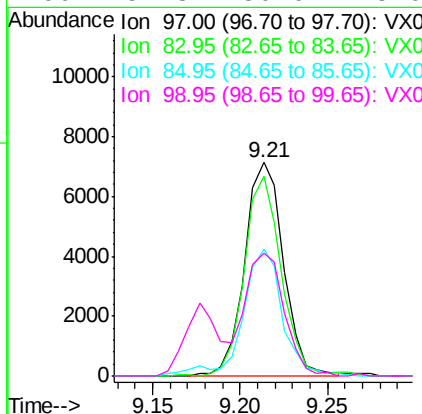
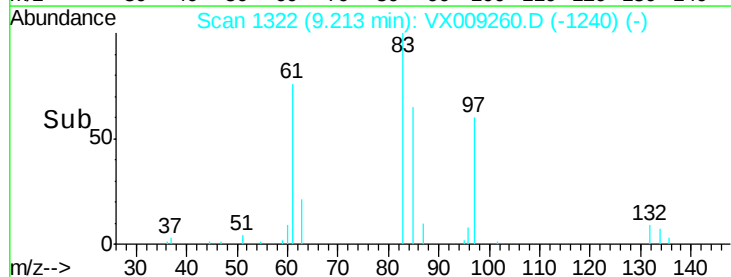
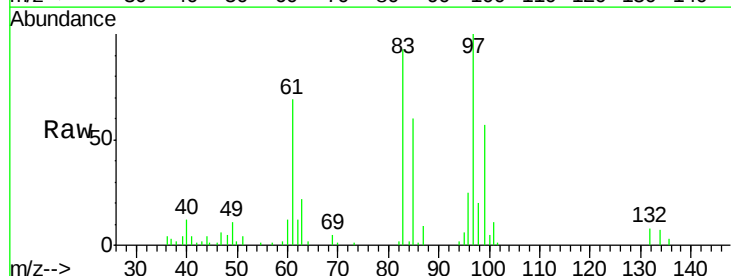
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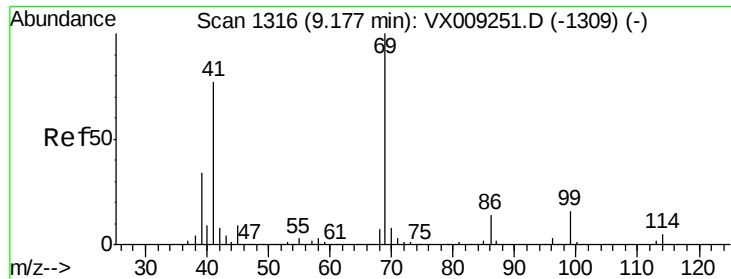


#50

1,1,2-Trichloroethane
Concen: 5.500 ug/l
RT: 9.21 min Scan# 1322
Delta R.T. -0.00 min
Lab File: VX009260.D
Acq: 01 May 2019 17:38

Tgt Ion	Ratio	Lower	Upper
97	100		
83	92.5	68.8	103.2
85	58.4	45.8	68.6
99	57.3	50.0	75.0





#51

Ethyl methacrylate

Concen: 4.964 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VX009260.D

Acq: 01 May 2019 17:38

Instrument :

MSVOA_X

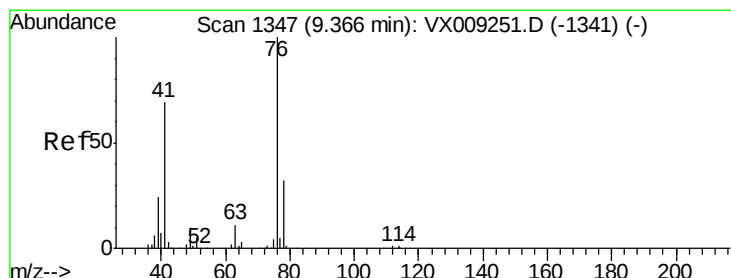
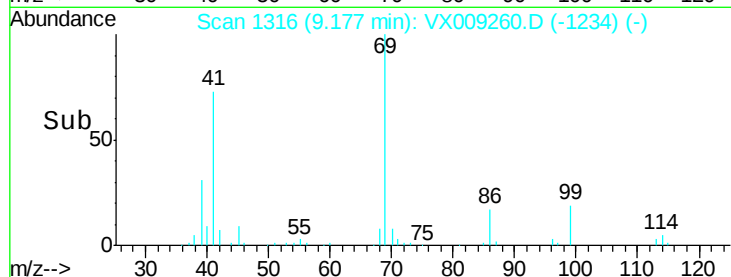
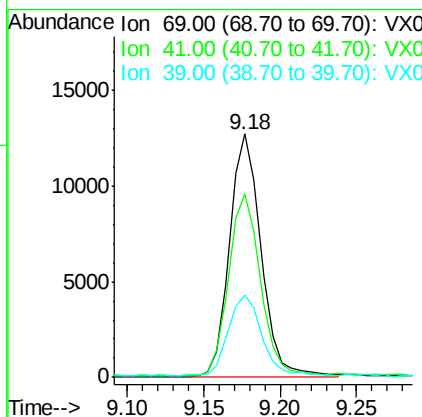
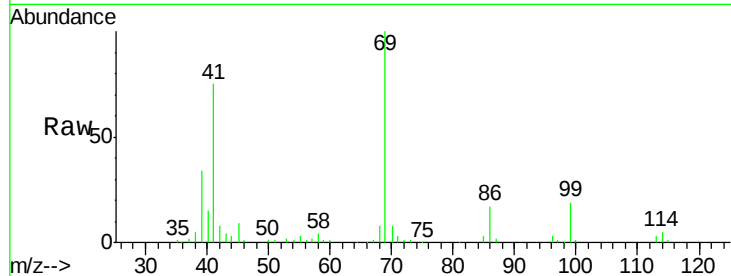
ClientSampleId :

LOQ-WATER-02-QT2-2019

Tot Ion:	69	Resp:	18298
Ion	Ratio	Lower	Upper
69	100		
41	74.7	38.4	115.2
39	32.9	17.2	51.5

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#52

1,3-Dichloropropane

Concen: 5.369 ug/l

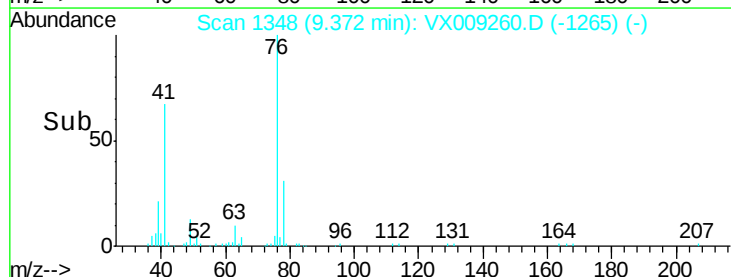
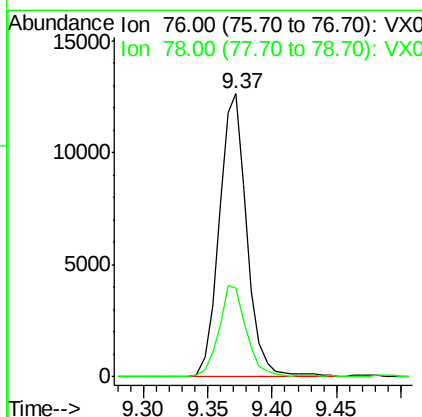
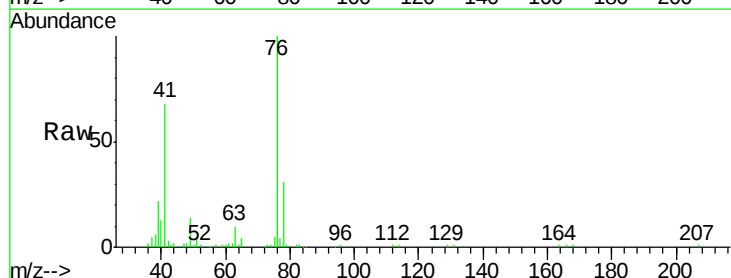
RT: 9.37 min Scan# 1348

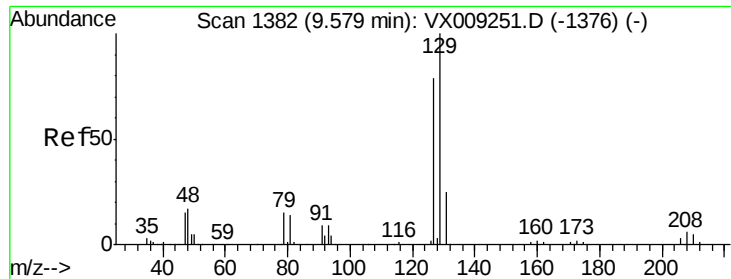
Delta R.T. 0.01 min

Lab File: VX009260.D

Acq: 01 May 2019 17:38

Tgt Ion:	76	Resp:	19008
Ion	Ratio	Lower	Upper
76	100		
78	32.3	0.0	64.2





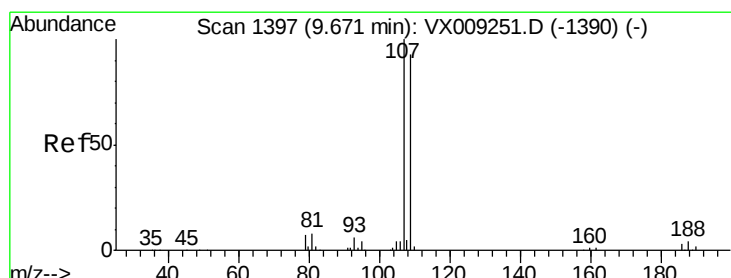
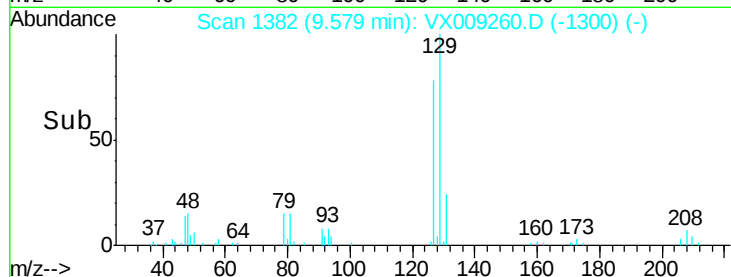
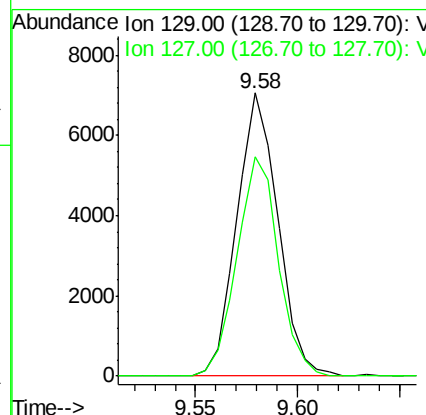
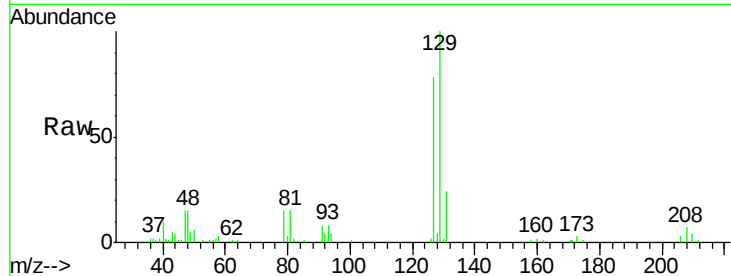
#53
 Dibromochloromethane
 Concen: 4.952 ug/l
 RT: 9.58 min Scan# 1382
 Delta R.T. -0.00 min
 Lab File: VX009260.D
 Acq: 01 May 2019 17:38

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT2-2019

Tot Ion	Ion	Ratio	Resp	Lower	Upper
129	100		9838		
127	78.3	39.1	117.5		

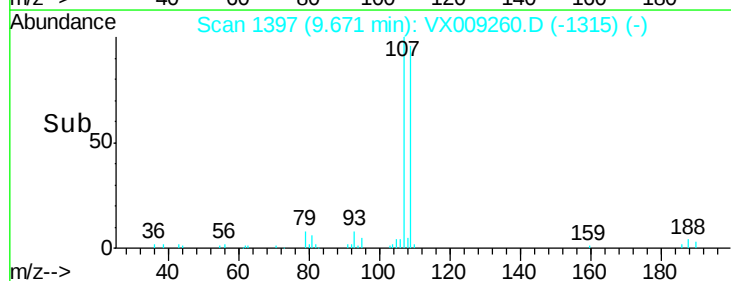
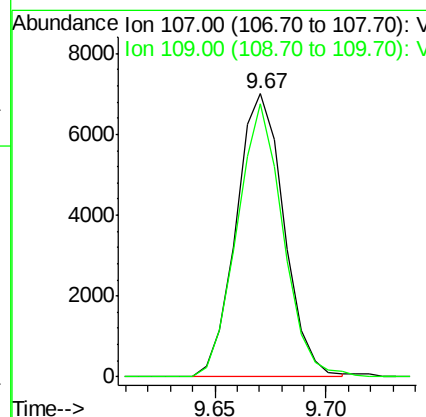
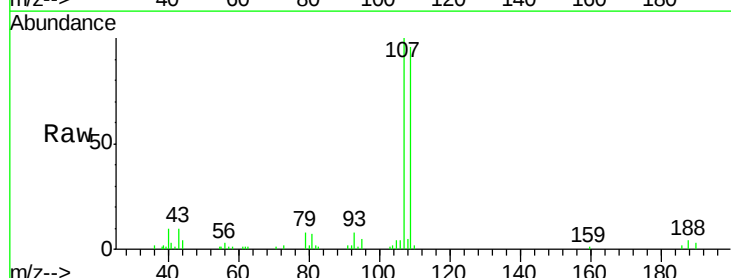
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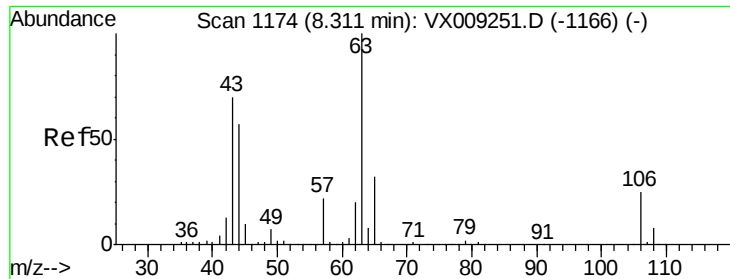
MMDadoda
 5/2/2019 10:53:41 AM



#54
 1,2-Dibromoethane
 Concen: 5.119 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. -0.00 min
 Lab File: VX009260.D
 Acq: 01 May 2019 17:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100		10472		
109	92.8	75.5	113.3		





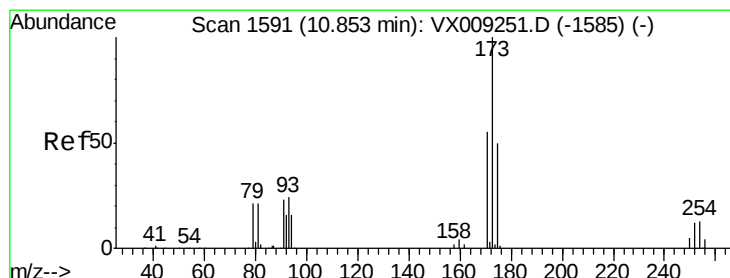
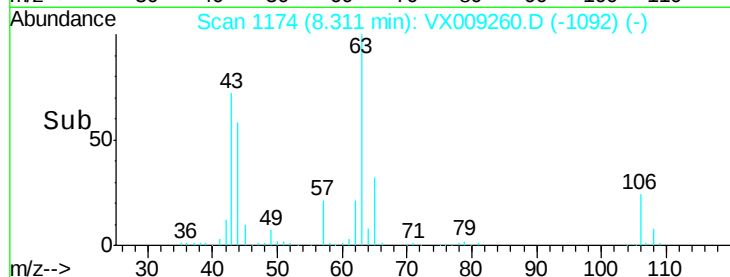
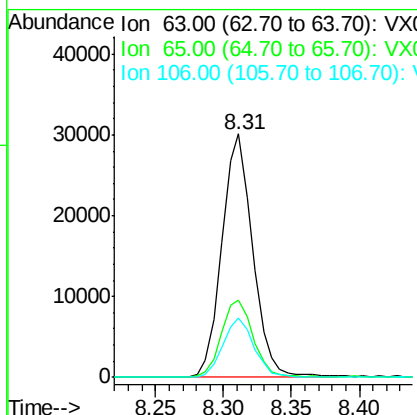
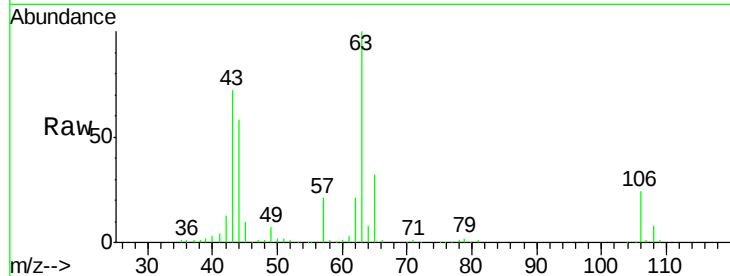
#55
2-Chloroethyl vinyl ether
Concen: 24.039 ug/l
RT: 8.31 min Scan# 1174
Delta R.T. -0.00 min
Lab File: VX009260.D
Acq: 01 May 2019 17:38

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT2-2019

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.6	25.8	38.6
106	24.5	19.8	29.6

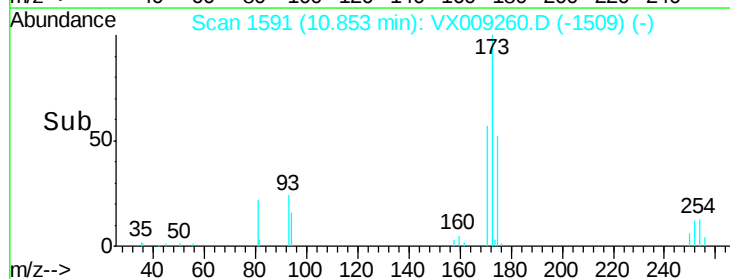
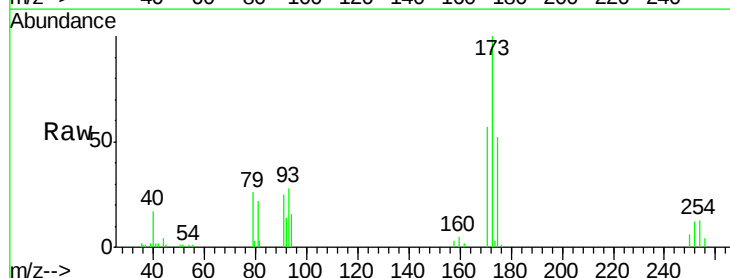
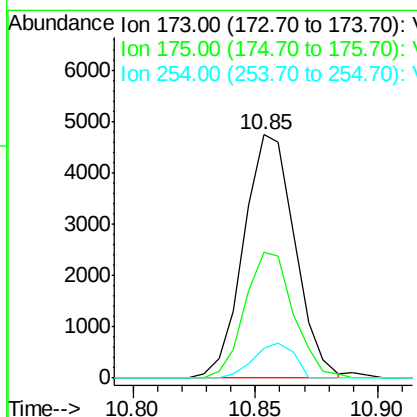
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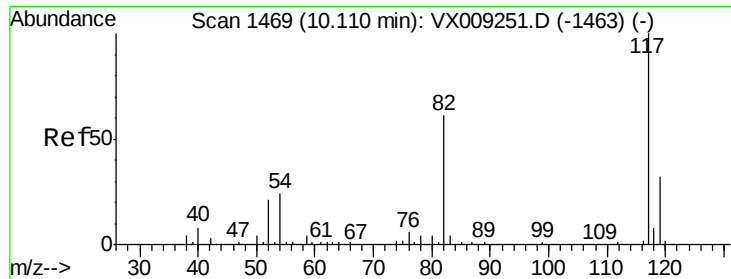
MMDadoda
5/2/2019 10:53:41 AM



#56
Bromoform
Concen: 4.508 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. -0.00 min
Lab File: VX009260.D
Acq: 01 May 2019 17:38

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.4	39.4	59.2
254	11.5	9.9	14.9





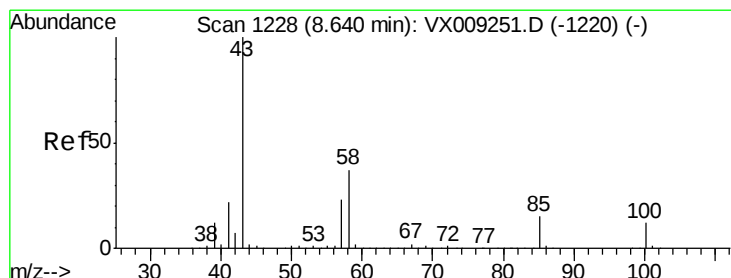
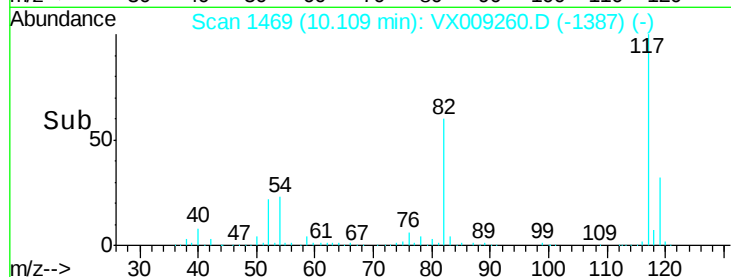
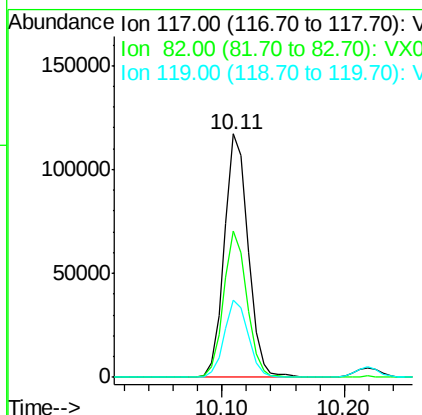
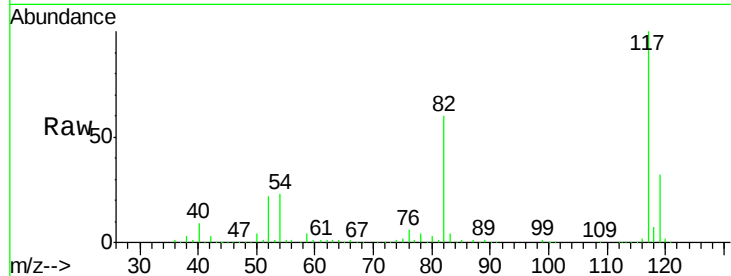
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009260.D
Acq: 01 May 2019 17:38

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT2-2019

Tot Ion	Ratio	Resp	Lower	Upper
117	100	157795		
82	59.2	47.8	71.8	
119	31.8	25.6	38.4	

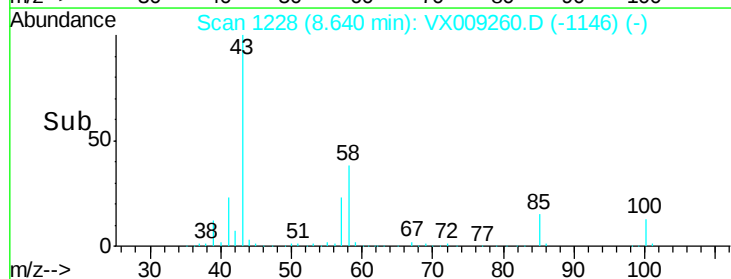
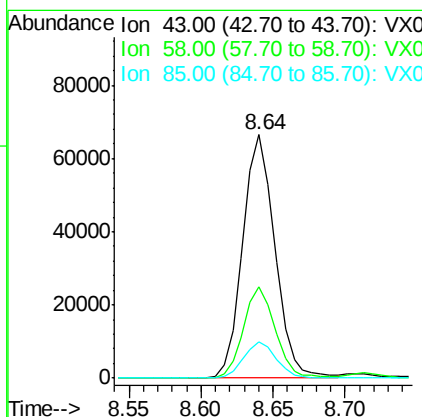
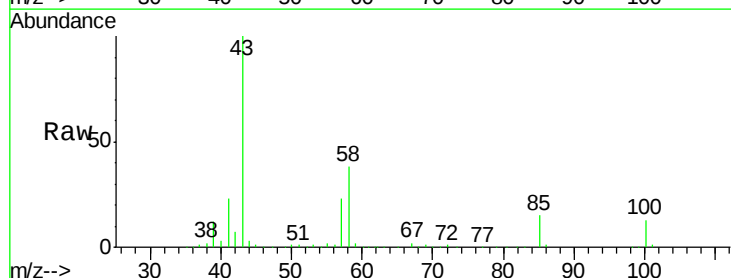
Manual Integrations
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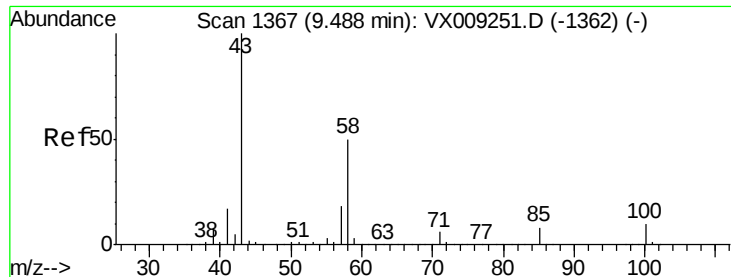
MMDadoda
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#58
4-Methyl-2-Pentanone
Concen: 26.581 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. -0.00 min
Lab File: VX009260.D
Acq: 01 May 2019 17:38

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	103136		
58	36.8	29.4	44.0	
85	15.3	11.8	17.8	





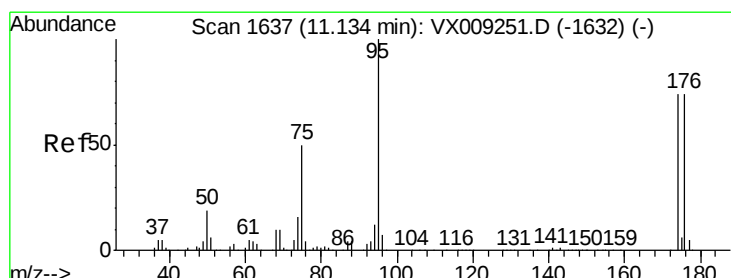
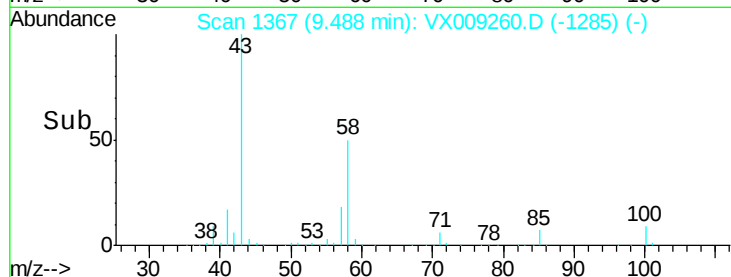
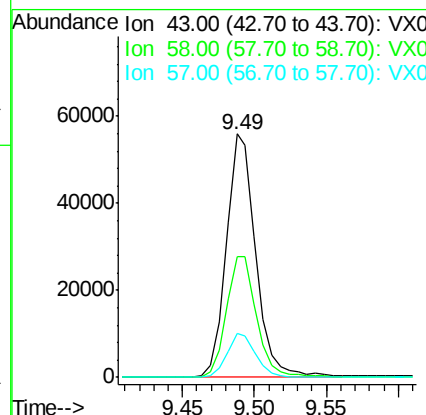
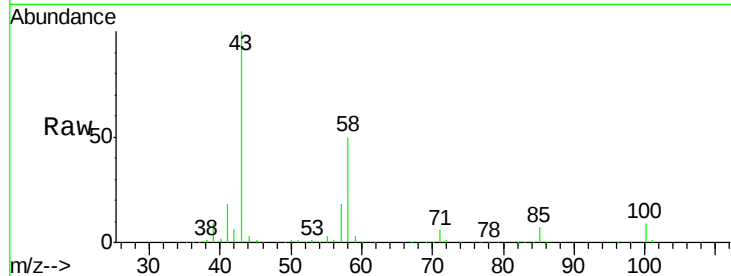
#59
2-Hexanone
Concen: 26.295 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX009260.D
Acq: 01 May 2019 17:38

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT2-2019

Tot Ion	Ratio	Lower	Upper
43	100		
58	51.3	40.8	61.2
57	17.6	14.1	21.1

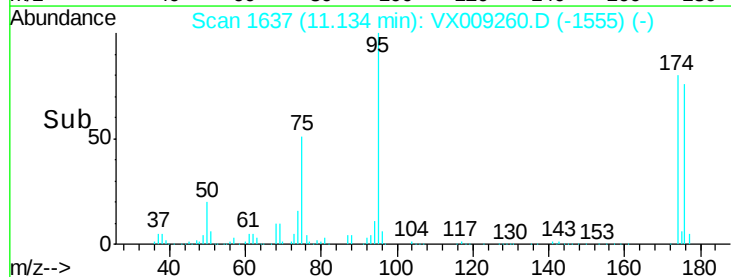
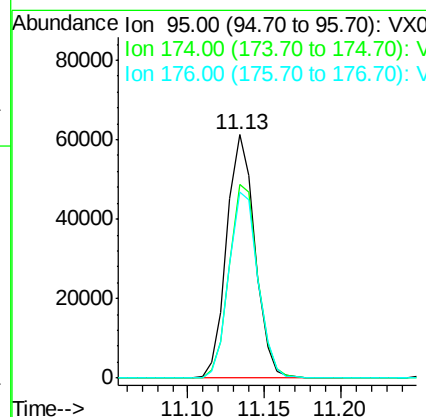
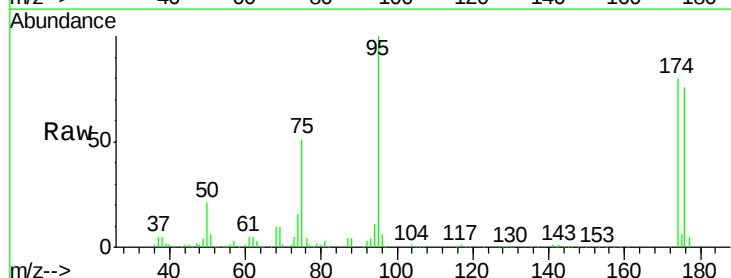
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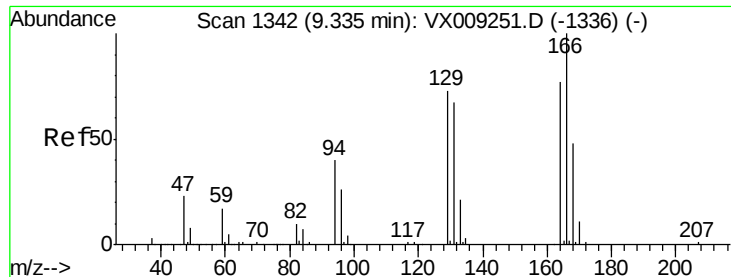
MMDadoda
5/2/2019 10:53:41 AM



#60
4-Bromofluorobenzene
Concen: 29.305 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX009260.D
Acq: 01 May 2019 17:38

Tgt Ion	Ratio	Lower	Upper
95	100		
174	80.9	63.6	95.4
176	78.9	62.4	93.6





#61

Tetrachloroethene

Concen: 5.135 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX009260.D

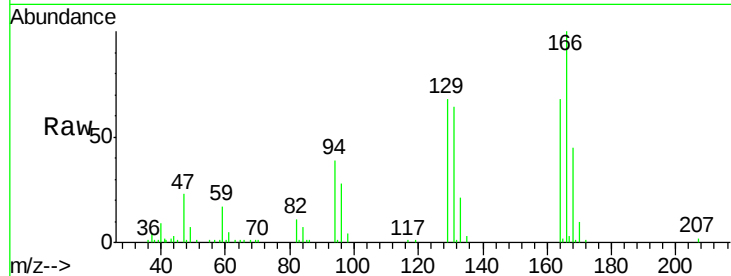
Acq: 01 May 2019 17:38

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT2-2019

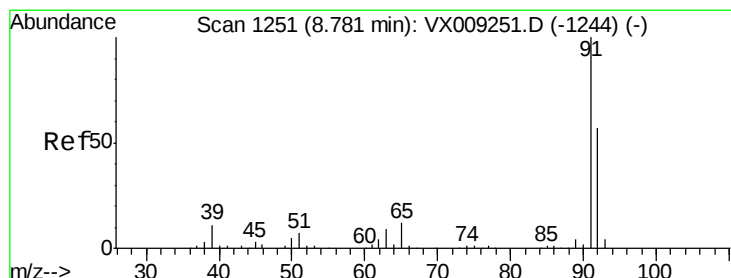
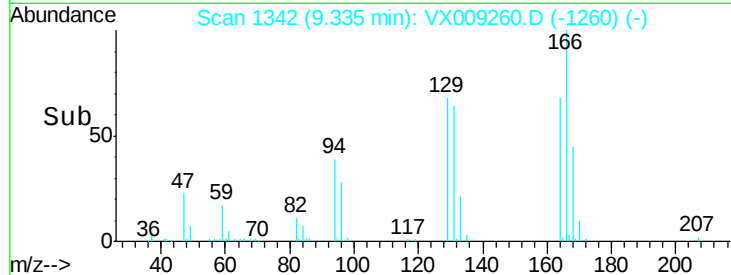
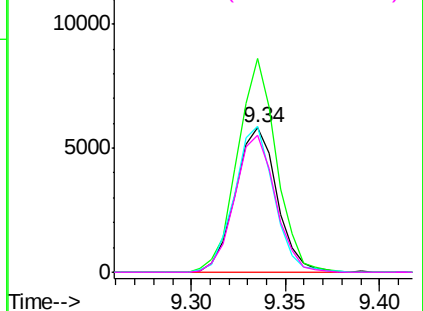
Tot Ion:	164	Resp:	8933
Ion	Ratio	Lower	Upper
164	100		
166	148.0	104.1	156.1
129	100.9	76.0	114.0
131	94.5	70.1	105.1

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Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 5.141 ug/l

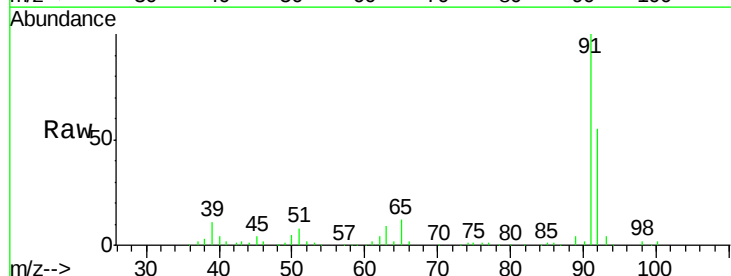
RT: 8.78 min Scan# 1251

Delta R.T. -0.00 min

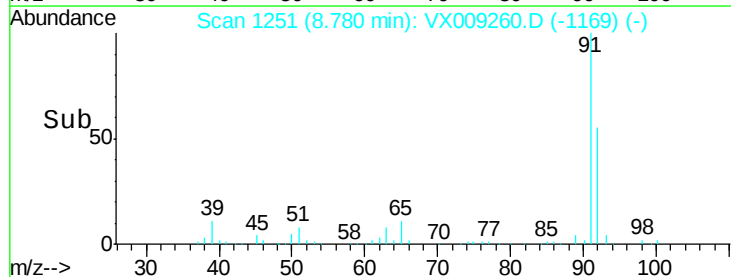
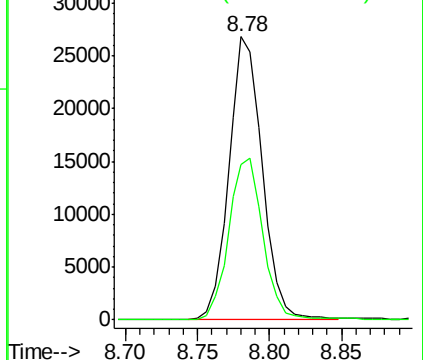
Lab File: VX009260.D

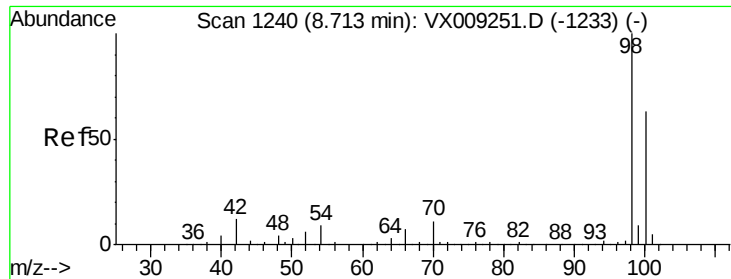
Acq: 01 May 2019 17:38

Tgt Ion:	91	Resp:	43345
Ion	Ratio	Lower	Upper
91	100		
92	58.3	46.1	69.1



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 92.00 (91.70 to 92.70): VX0





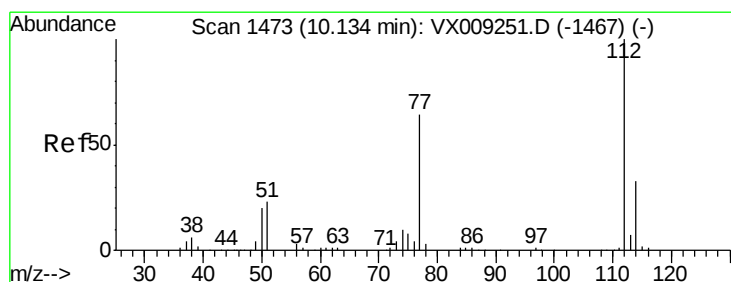
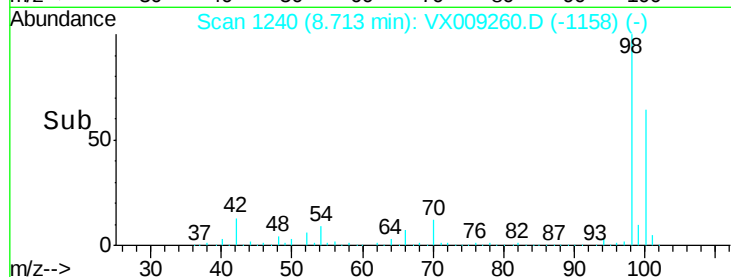
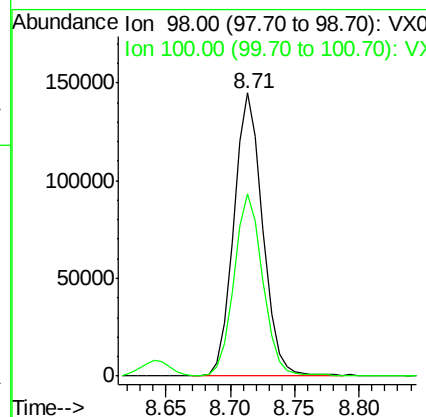
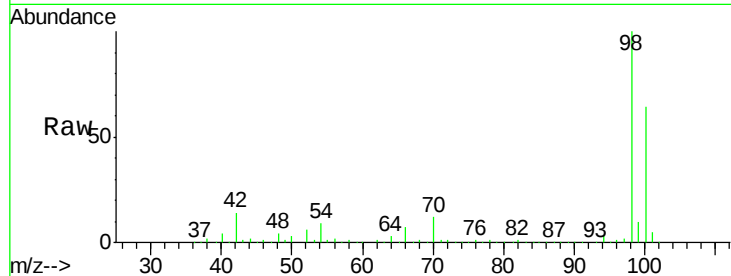
#63
Toluene-d8
Concen: 30.348 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009260.D
Acq: 01 May 2019 17:38

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT2-2019

Tot Ion: 98 Resp: 227039
Ion Ratio Lower Upper
98 100
100 64.1 52.3 78.5

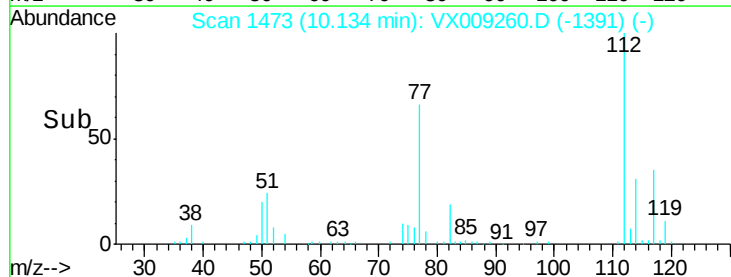
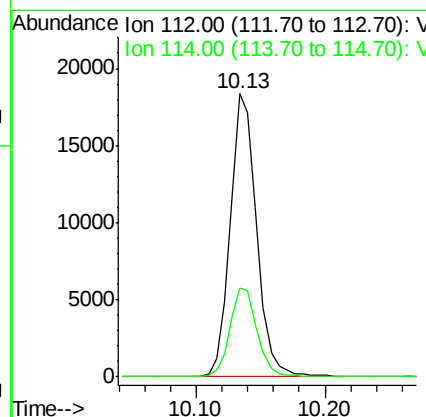
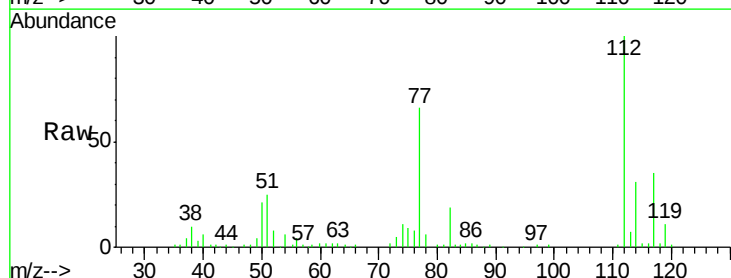
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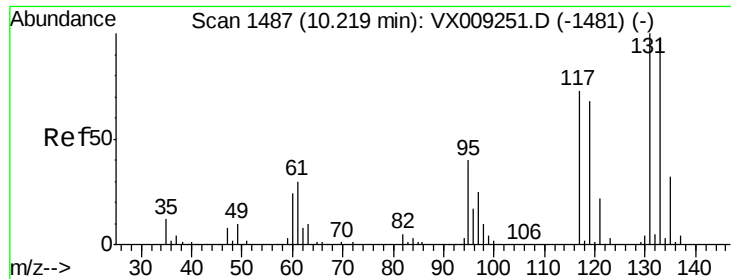
MMDadoda
5/2/2019 10:53:41 AM



#64
Chlorobenzene
Concen: 5.232 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VX009260.D
Acq: 01 May 2019 17:38

Tgt Ion: 112 Resp: 26552
Ion Ratio Lower Upper
112 100
114 31.4 26.2 39.2





#65

1,1,1,2-Tetrachloroethane

Concen: 5.074 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX009260.D

Acq: 01 May 2019 17:38

Instrument :

MSVOA_X

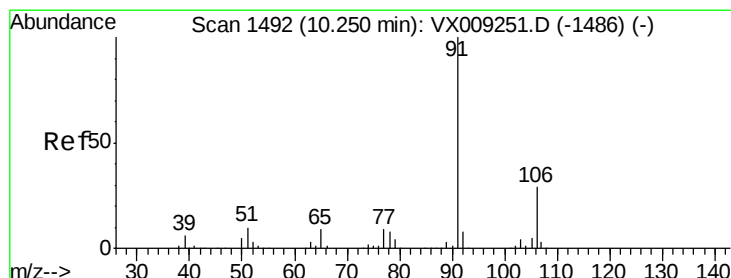
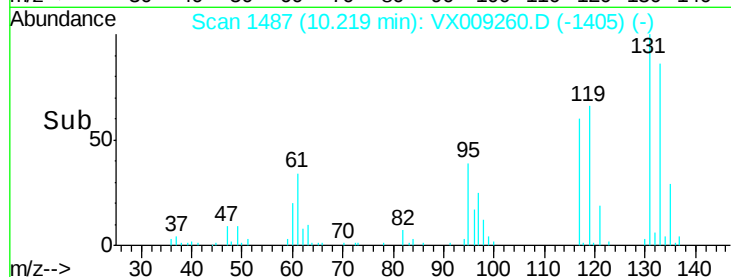
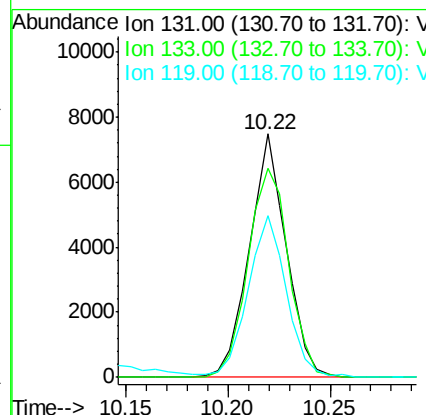
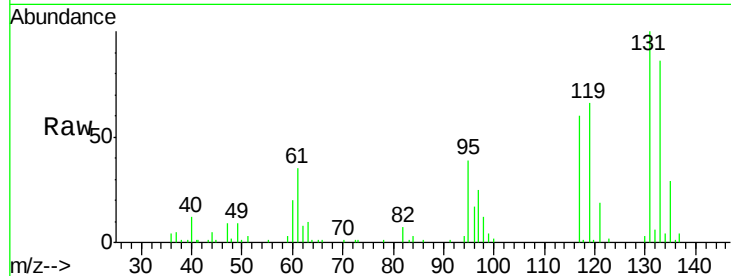
ClientSampleId :

LOQ-WATER-02-QT2-2019

Tot Ion	Ratio	Lower	Upper
131	100		
133	94.6	0.0	191.2
119	68.9	0.0	135.4

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#66

Ethyl Benzene

Concen: 5.090 ug/l

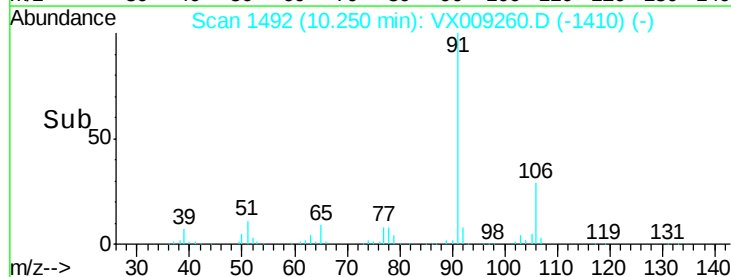
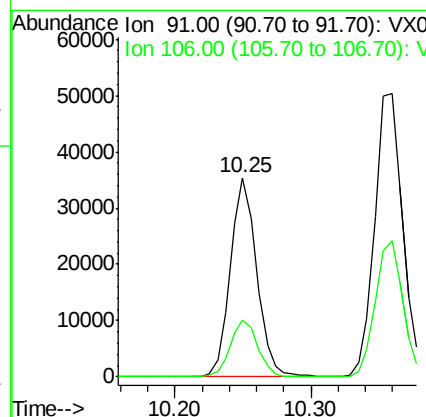
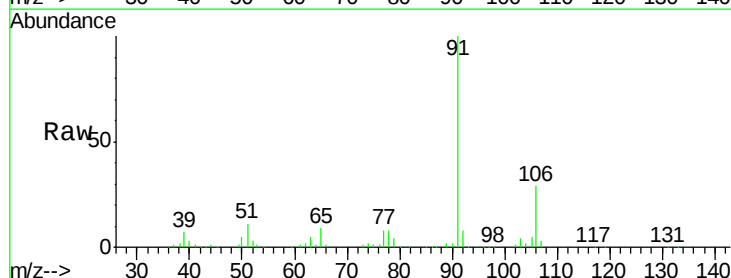
RT: 10.25 min Scan# 1492

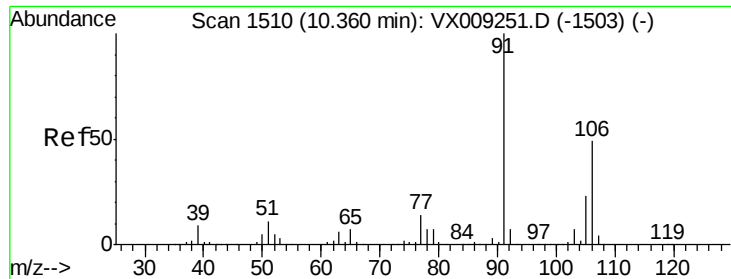
Delta R.T. -0.00 min

Lab File: VX009260.D

Acq: 01 May 2019 17:38

Tgt Ion	Ratio	Lower	Upper
91	100		
106	28.5	23.5	35.3





#67

m/p-Xvlenes

Concen: 10.048 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX009260.D

Acq: 01 May 2019 17:38

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT2-2019

Tot Ion:106 Resp: 34459

Ion Ratio Lower Upper

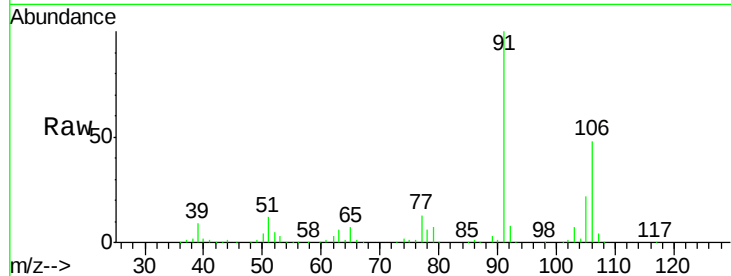
106 100

91 209.4 166.8 250.2

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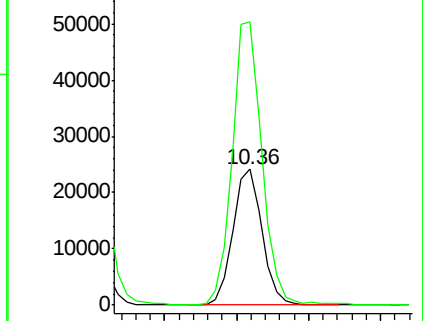
MMDadoda

5/2/2019 10:53:41 AM

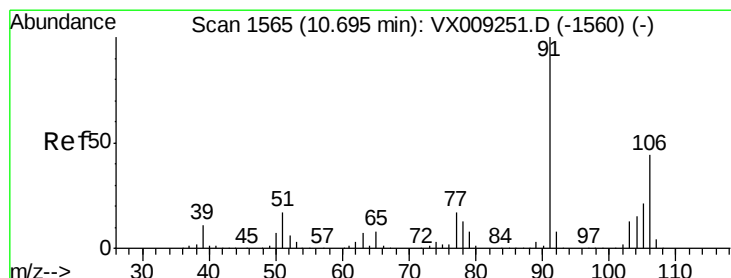
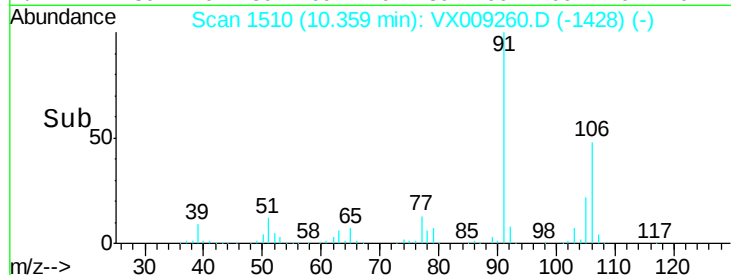


Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



Time-->



#68

o-Xylene

Concen: 5.151 ug/l

RT: 10.69 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VX009260.D

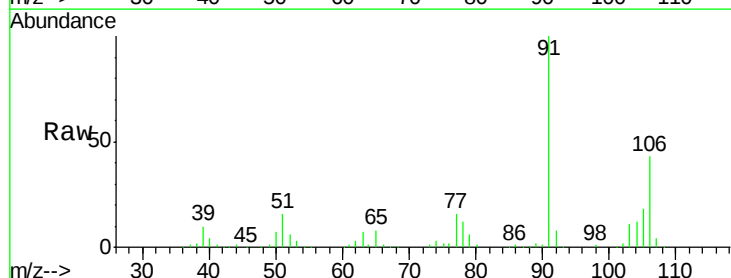
Acq: 01 May 2019 17:38

Tgt Ion:106 Resp: 17369

Ion Ratio Lower Upper

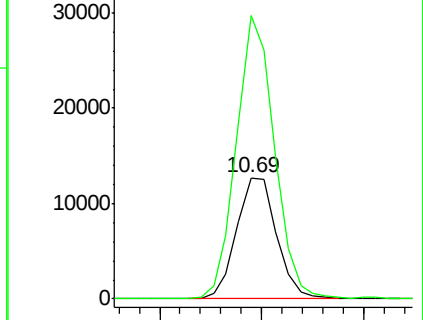
106 100

91 221.5 110.8 332.3

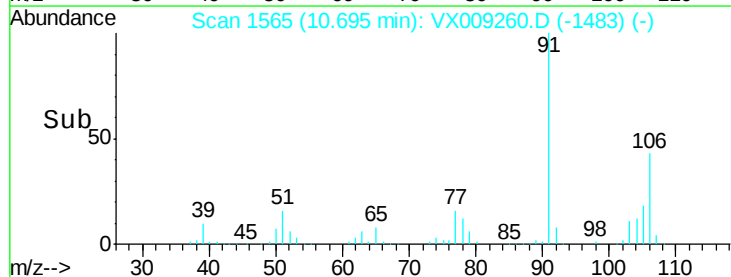


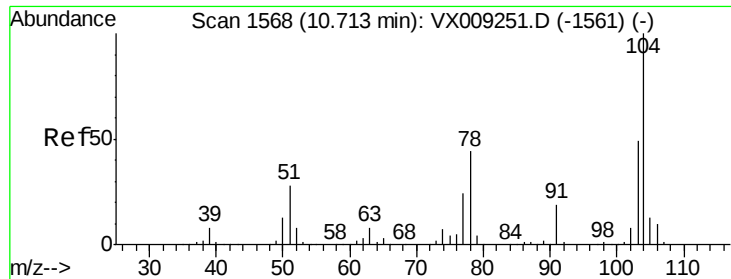
Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



Time-->





#69

Stvrene

Concen: 4.907 ug/l

RT: 10.71 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VX009260.D

Acq: 01 May 2019 17:38

Instrument :

MSVOA_X

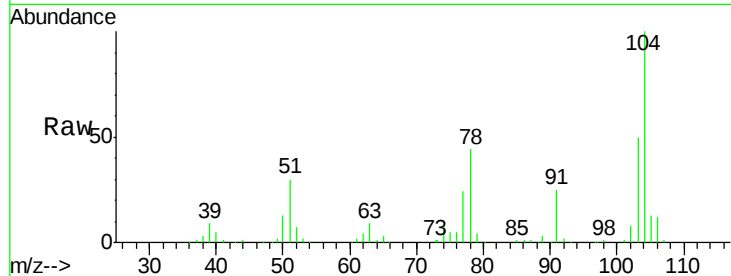
ClientSampleId :

LOQ-WATER-02-QT2-2019

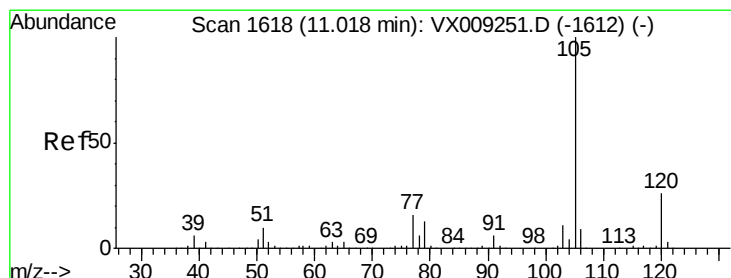
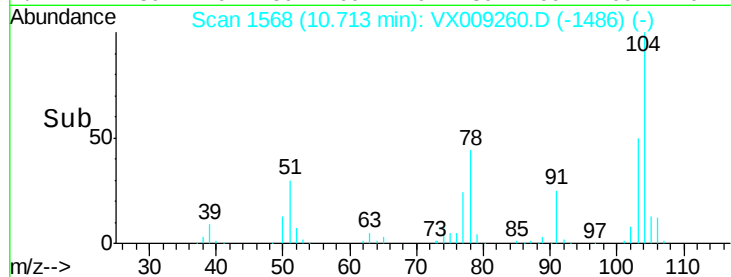
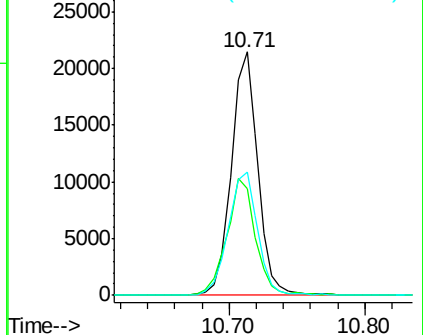
Tot Ion:	104	Resp:	29047
Ion Ratio	Lower	Upper	
104	100		
78	51.0	41.1	61.7
103	55.9	43.8	65.8

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Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX
Ion 103.00 (102.70 to 103.70): V



#70

Isopropylbenzene

Concen: 5.106 ug/l

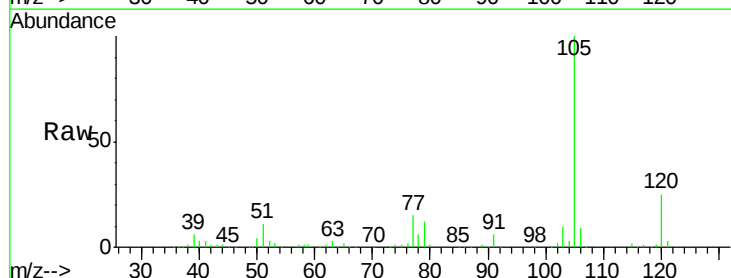
RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

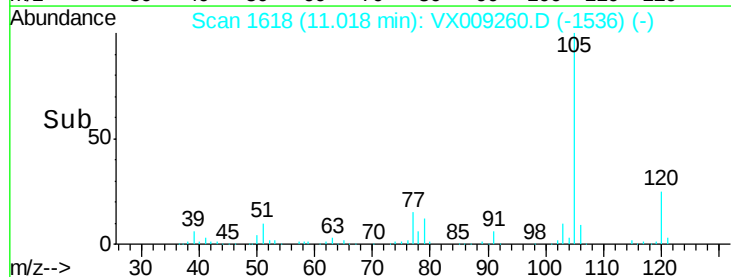
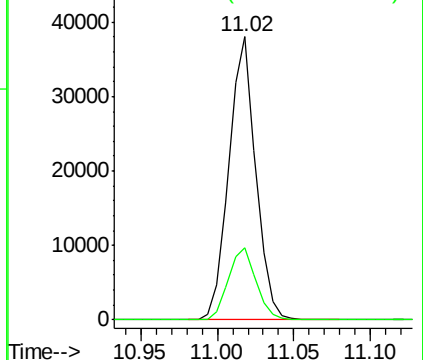
Lab File: VX009260.D

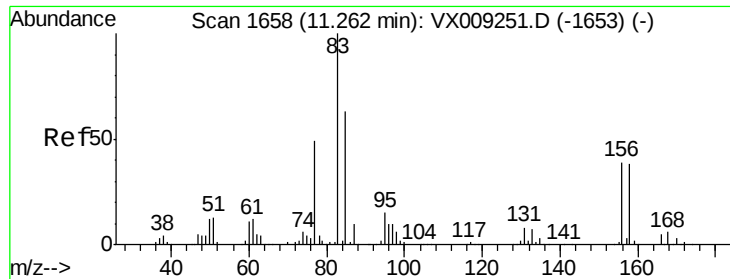
Acq: 01 May 2019 17:38

Tgt Ion:	105	Resp:	46307
Ion Ratio	Lower	Upper	
105	100		
120	26.3	18.1	33.7



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#71

1,1,2,2-Tetrachloroethane

Concen: 5.453 ug/l

RT: 11.26 min Scan# 1658

Delta R.T. -0.00 min

Lab File: VX009260.D

Acq: 01 May 2019 17:38

Instrument :

MSVOA_X

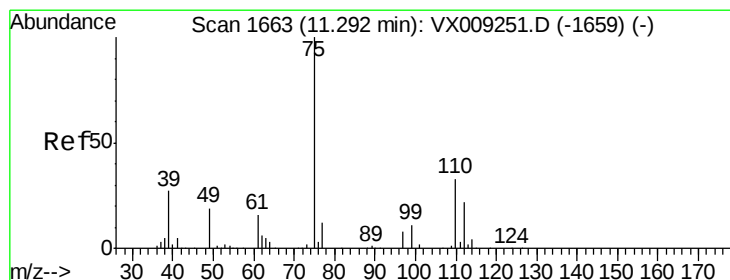
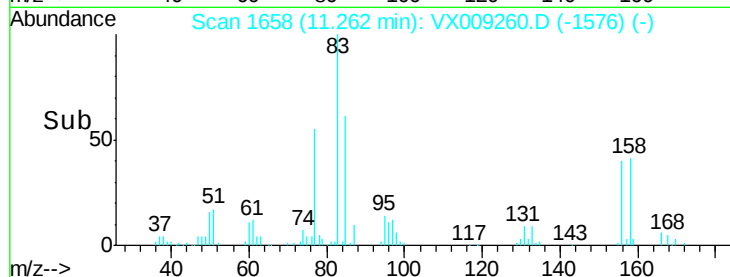
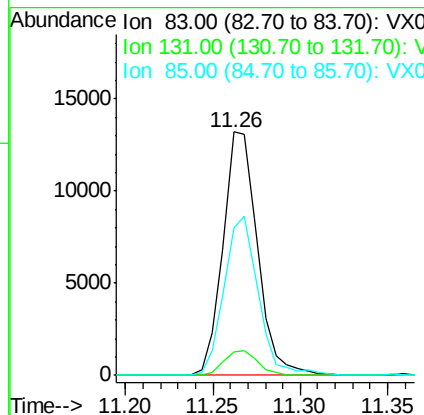
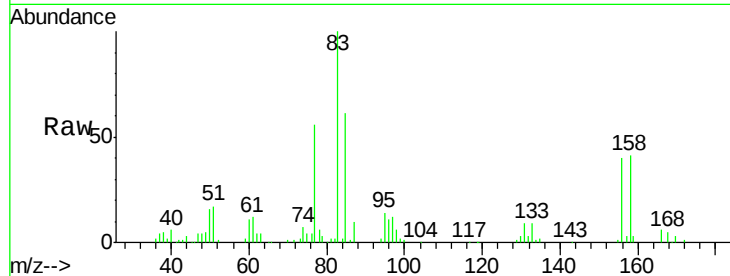
ClientSampleId :

LOQ-WATER-02-QT2-2019

Tot Ion:	83	Resp:	18110
Ion Ratio	Lower	Upper	
83	100		
131	9.6	4.7	14.0
85	64.7	32.4	97.2

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#72

1,2,3-Trichloropropane

Concen: 6.073 ug/l m

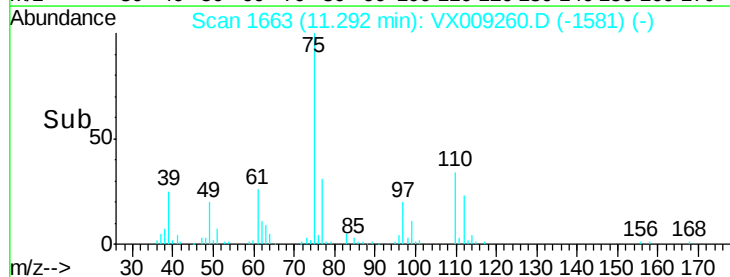
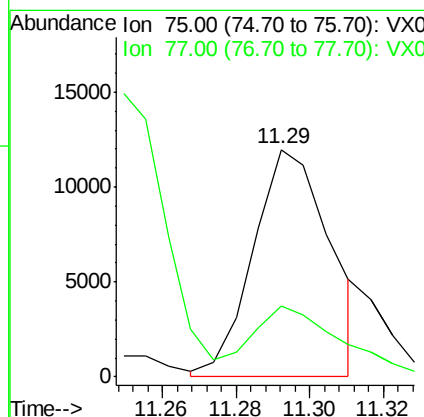
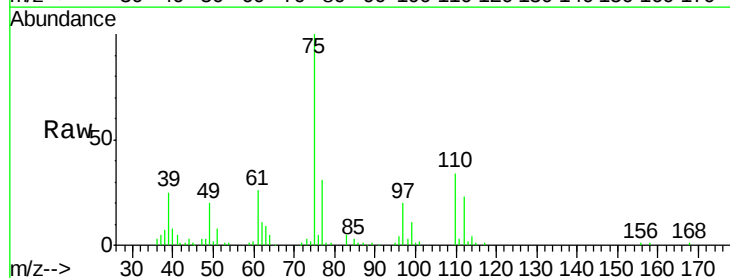
RT: 11.29 min Scan# 1663

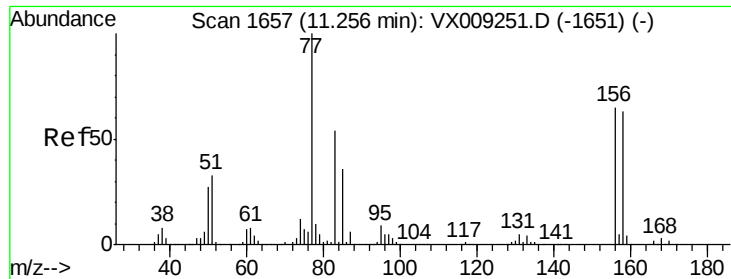
Delta R.T. -0.00 min

Lab File: VX009260.D

Acq: 01 May 2019 17:38

Tgt Ion:	75	Resp:	17383
Ion Ratio	Lower	Upper	
75	100		
77	36.9	0.0	86.4





#73

Bromobenzene

Concen: 5.068 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX009260.D

Acq: 01 May 2019 17:38

Instrument :

MSVOA_X

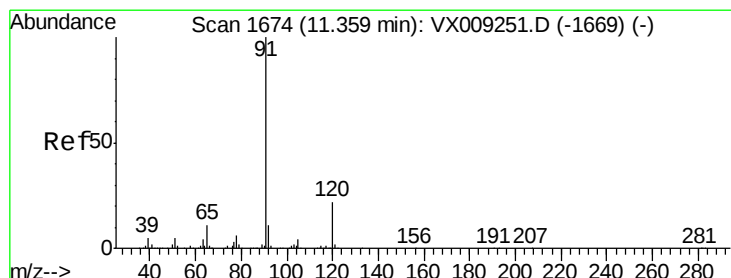
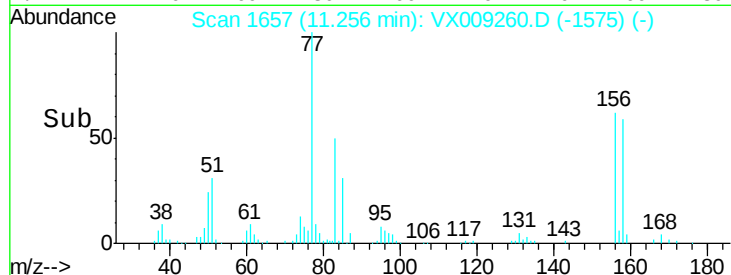
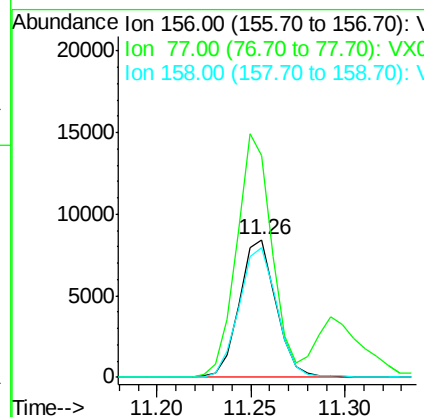
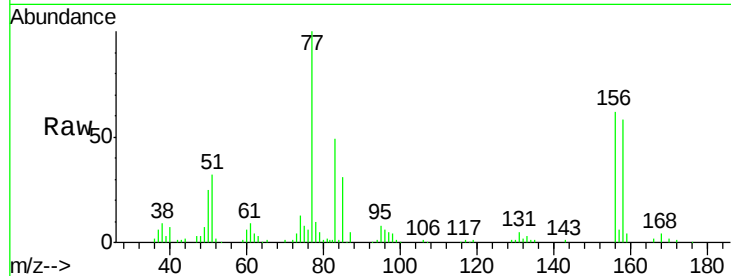
ClientSampleId :

LOQ-WATER-02-QT2-2019

Tot Ion:	156	Resp:	11356
Ion Ratio	Lower	Upper	
156	100		
77	170.1	0.0	335.6
158	97.3	0.0	191.2

Manual Integrations
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#74

n-propylbenzene

Concen: 5.019 ug/l

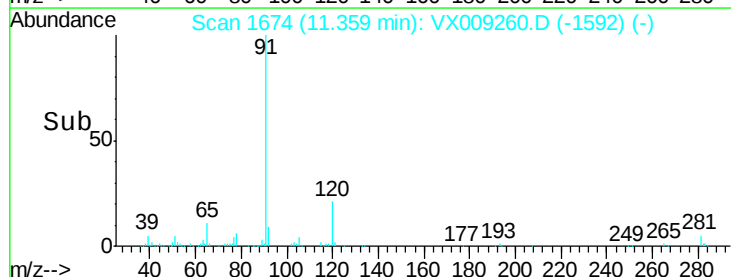
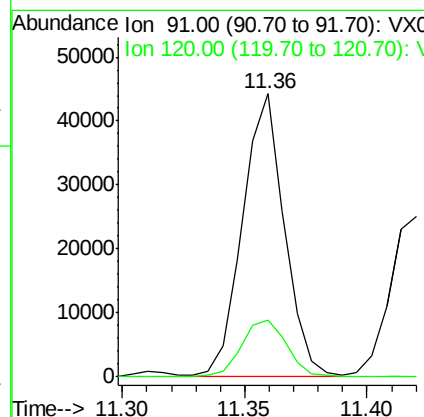
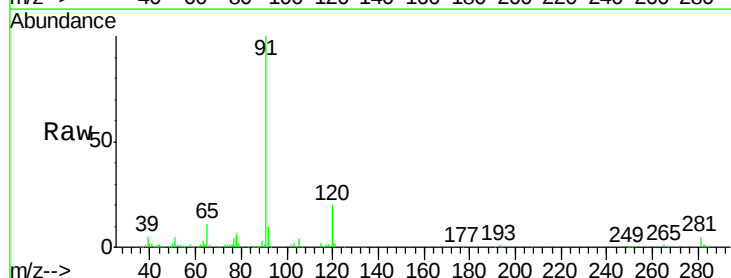
RT: 11.36 min Scan# 1674

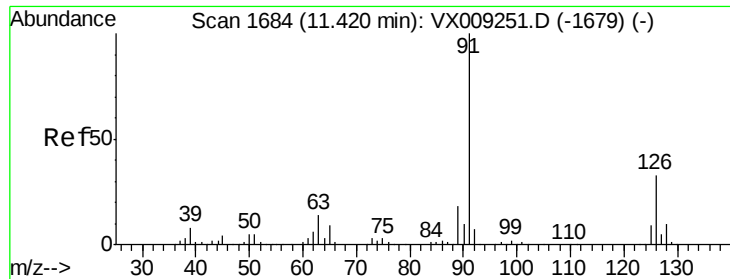
Delta R.T. -0.00 min

Lab File: VX009260.D

Acq: 01 May 2019 17:38

Tgt Ion:	91	Resp:	52753
Ion Ratio	Lower	Upper	
91	100		
120	21.6	0.0	43.4





#75

2-Chlorotoluene

Concen: 5.209 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX009260.D

Acq: 01 May 2019 17:38

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT2-2019

Tot Ion: 91 Resp: 32835

Ion Ratio Lower Upper

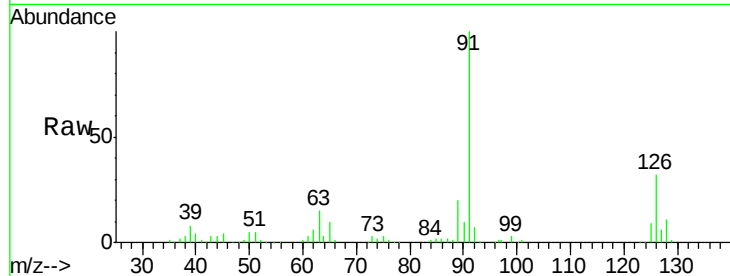
91 100

126 32.1 0.0 64.0

Manual Integrations
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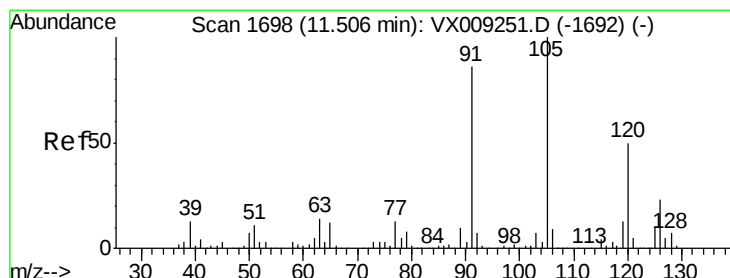
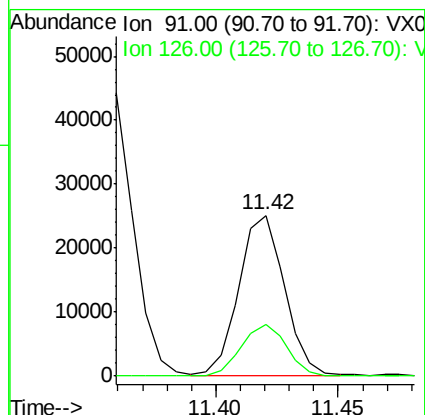
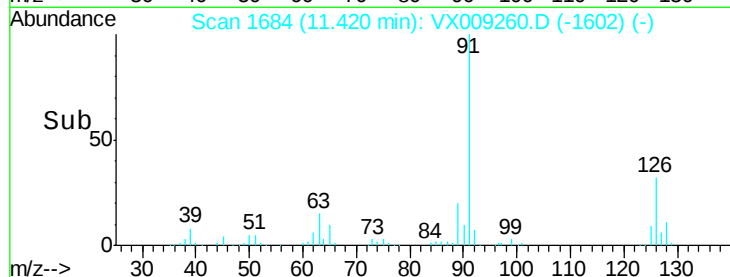
MMDadoda

5/2/2019 10:53:41 AM



Abundance Ion 91.00 (90.70 to 91.70): VX009251.D (-1679) (-)

Ion 126.00 (125.70 to 126.70): VX009251.D (-1679) (-)



#76

1,3,5-Trimethylbenzene

Concen: 5.040 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX009260.D

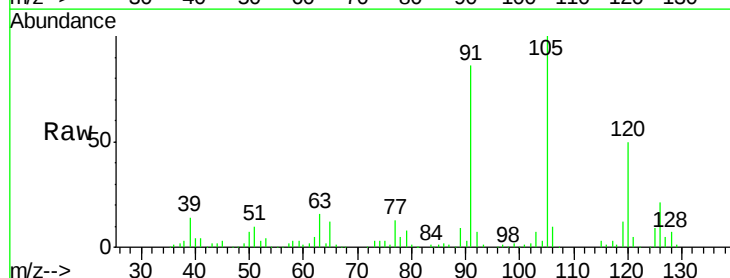
Acq: 01 May 2019 17:38

Tgt Ion:105 Resp: 38718

Ion Ratio Lower Upper

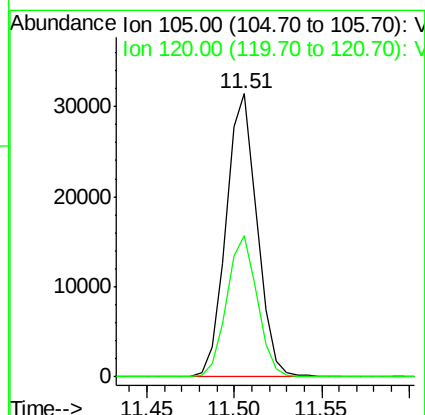
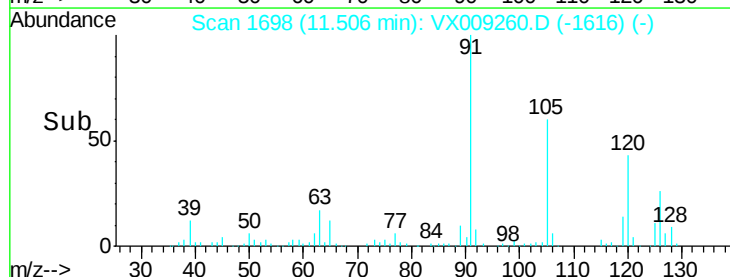
105 100

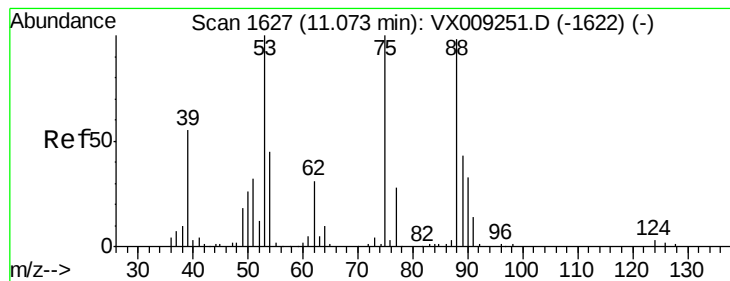
120 48.9 0.0 97.4



Abundance Ion 105.00 (104.70 to 105.70): VX009251.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX009251.D (-1692) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 4.124 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX009260.D

Acq: 01 May 2019 17:38

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT2-2019

Tot Ion: 75 Resp: 4761

Ion Ratio Lower Upper

75 100

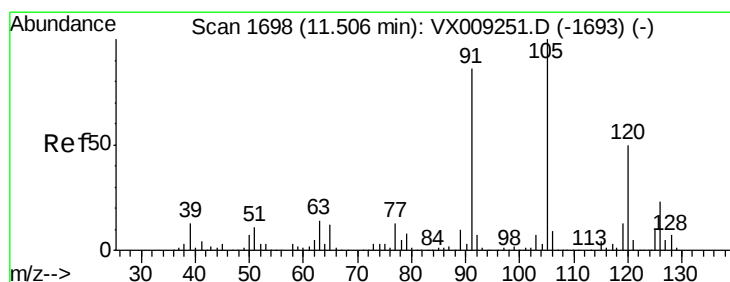
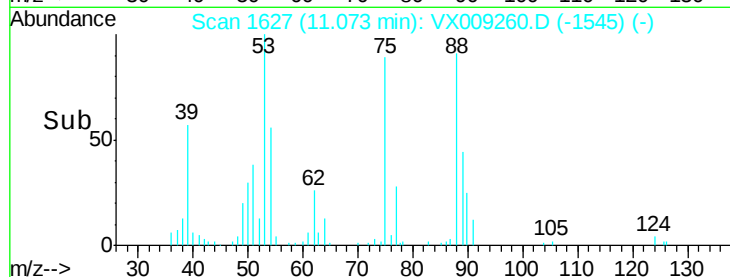
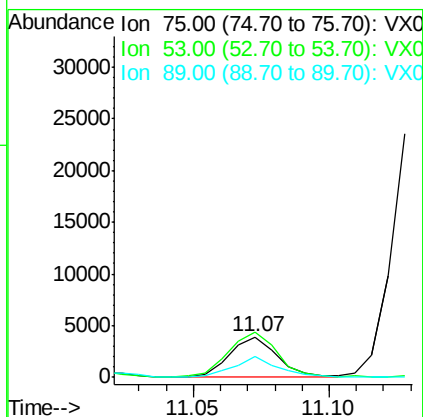
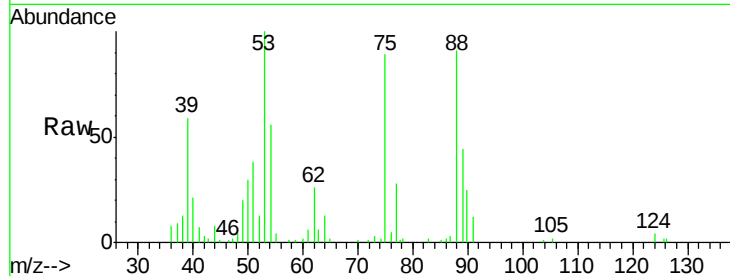
53 112.9 50.0 149.8

89 50.1 21.6 65.0

Manual Integrations
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#78

4-Chlorotoluene

Concen: 5.000 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX009260.D

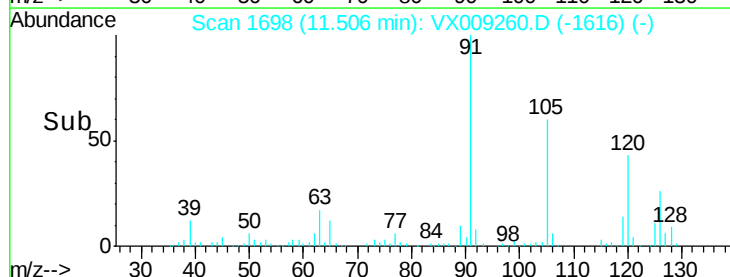
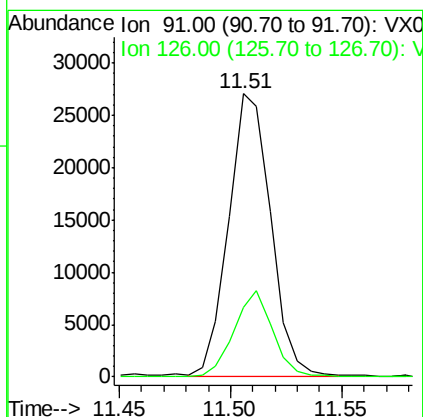
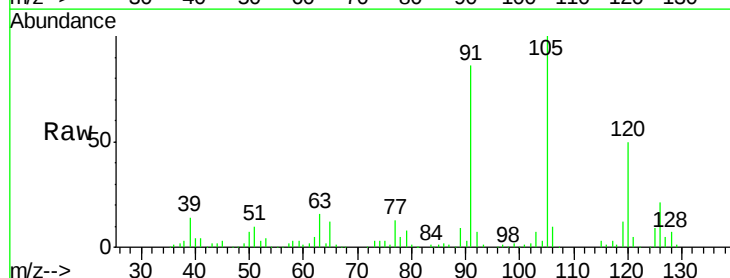
Acq: 01 May 2019 17:38

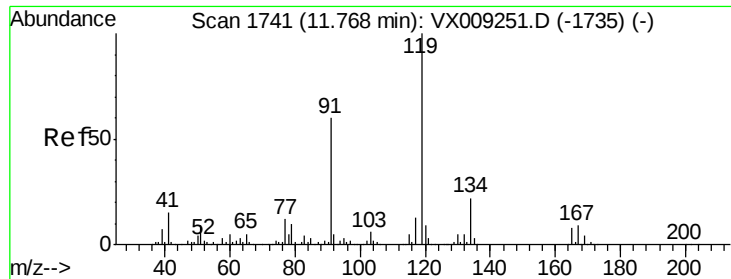
Tgt Ion: 91 Resp: 35799

Ion Ratio Lower Upper

91 100

126 27.7 0.0 57.0





#79

tert-butylbenzene

Concen: 5.131 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX009260.D

Acq: 01 May 2019 17:38

Instrument :

MSVOA_X

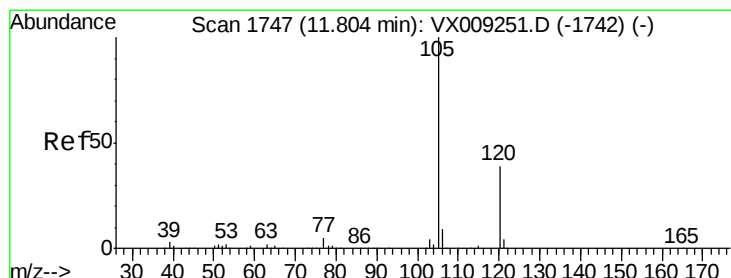
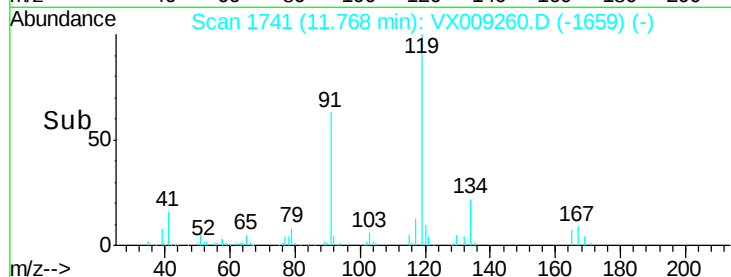
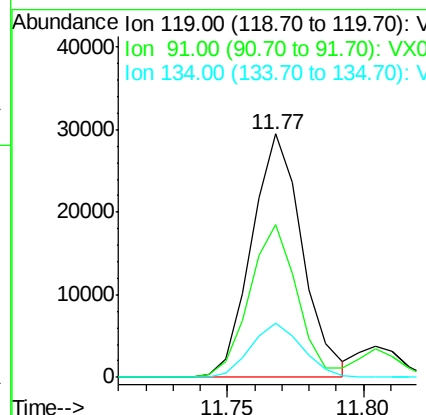
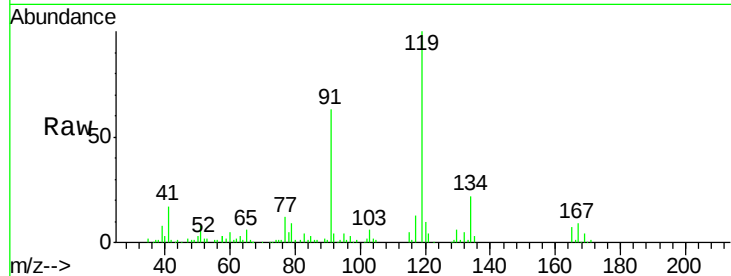
ClientSampleId :

LOQ-WATER-02-QT2-2019

Tot Ion:	119	Resp:	38105
Ion Ratio	Lower	Upper	
119	100		
91	59.7	0.0	118.2
134	22.5	0.0	45.0

Manual Integrations
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#80

1,2,4-Trimethylbenzene

Concen: 5.004 ug/l

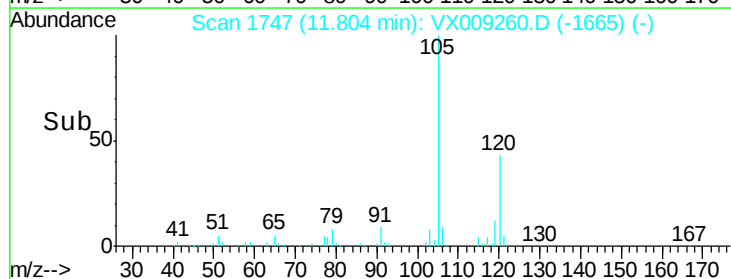
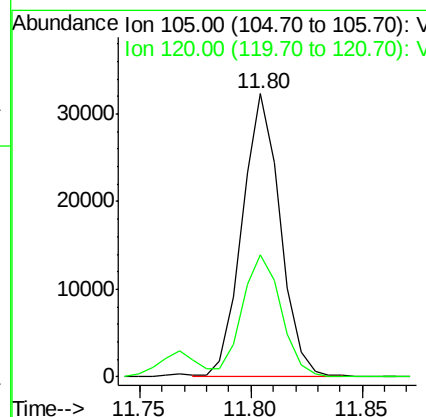
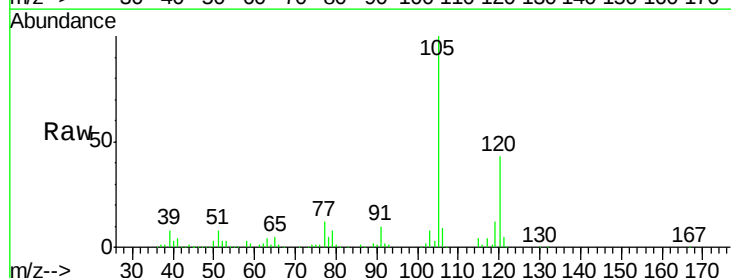
RT: 11.80 min Scan# 1747

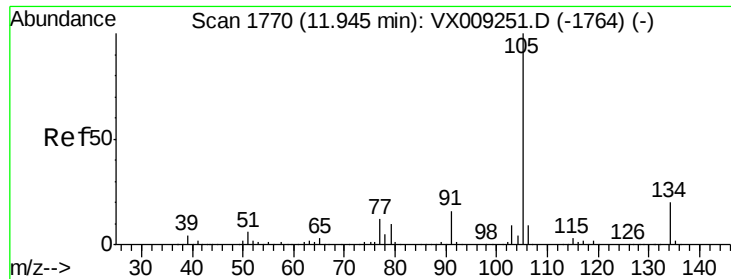
Delta R.T. -0.00 min

Lab File: VX009260.D

Acq: 01 May 2019 17:38

Tgt Ion:	105	Resp:	38527
Ion Ratio	Lower	Upper	
105	100		
120	44.4	0.0	89.6





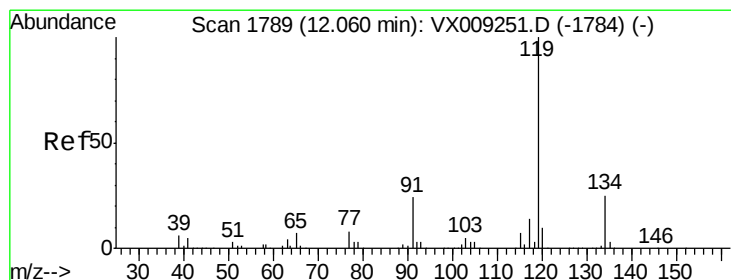
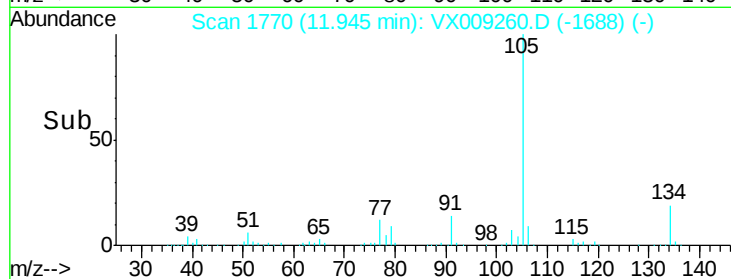
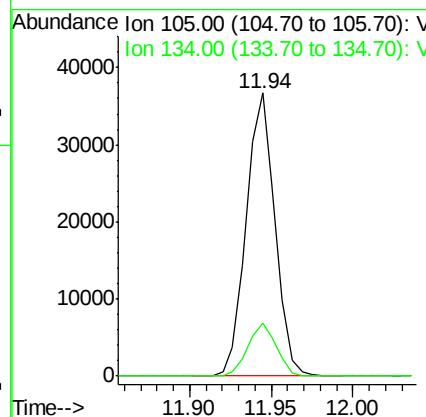
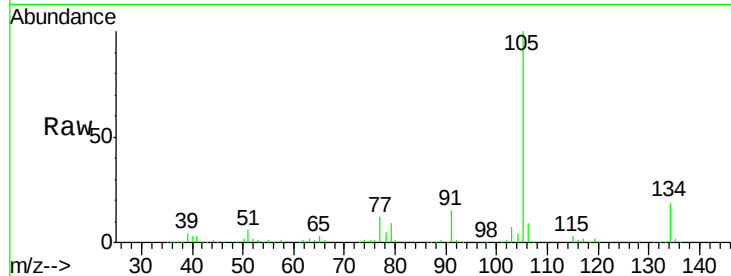
#81
 sec-Butylbenzene
 Concen: 5.119 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX009260.D
 Acq: 01 May 2019 17:38

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT2-2019

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.6	0.0	38.6

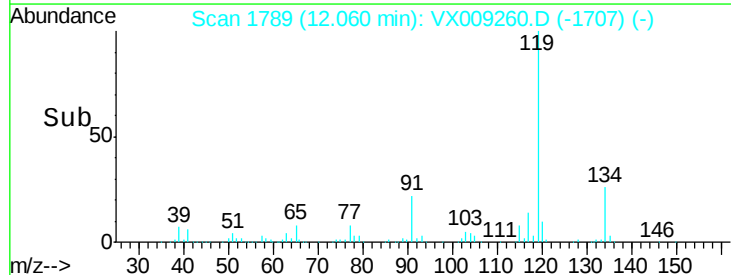
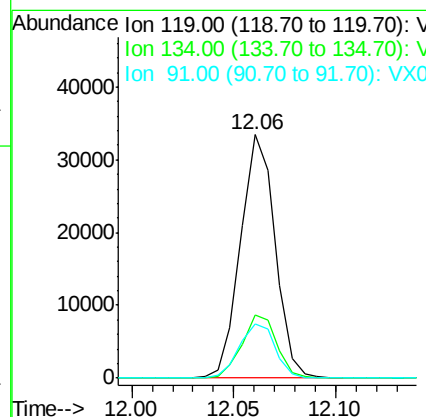
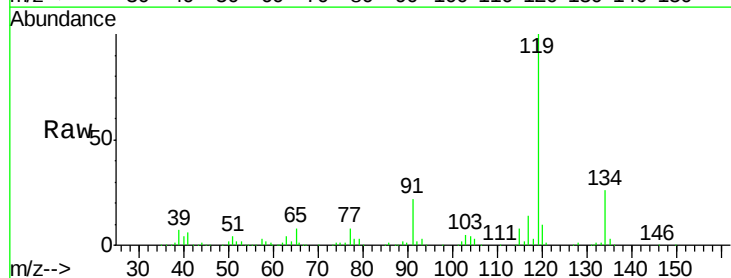
Manual Integrations
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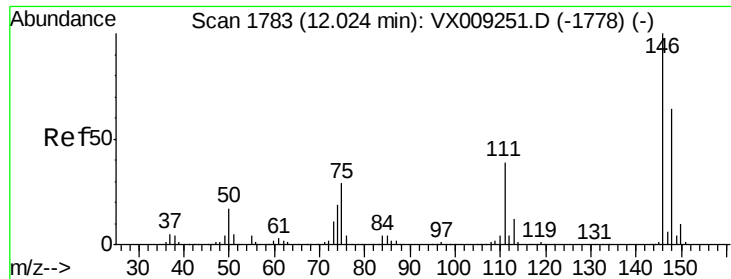
MMDadoda
 5/2/2019 10:53:41 AM



#82
 p-Isopropyltoluene
 Concen: 4.907 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. -0.00 min
 Lab File: VX009260.D
 Acq: 01 May 2019 17:38

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.0	0.0	50.8
91	23.3	0.0	47.2





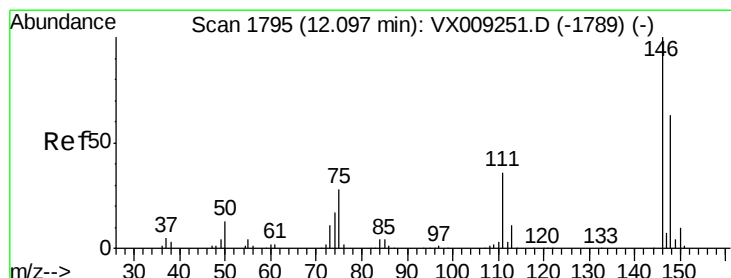
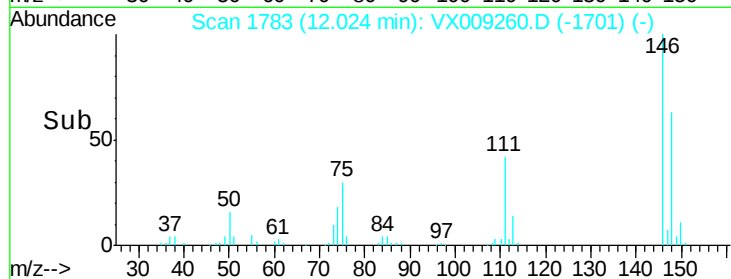
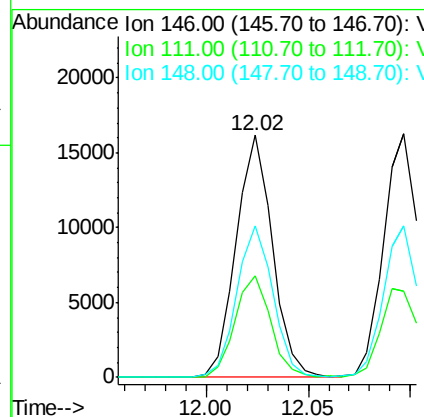
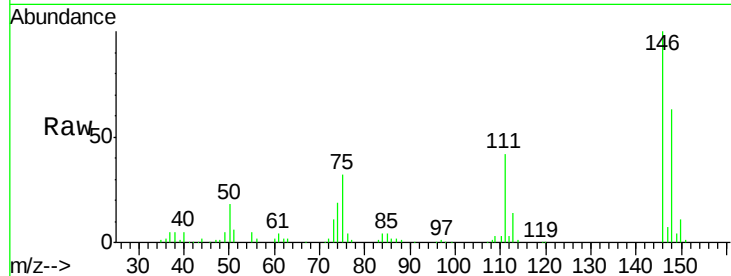
#83
 1,3-Dichlorobenzene
 Concen: 4.986 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX009260.D
 Acq: 01 May 2019 17:38

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT2-2019

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.0	60.0
148	62.3	32.2	96.6

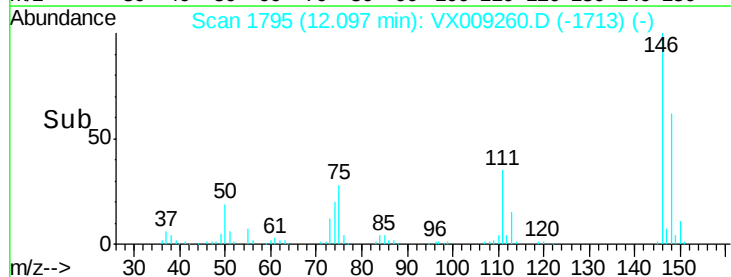
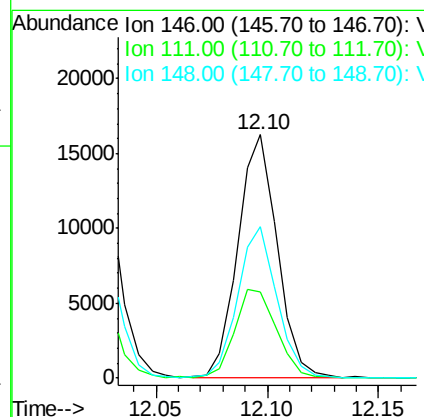
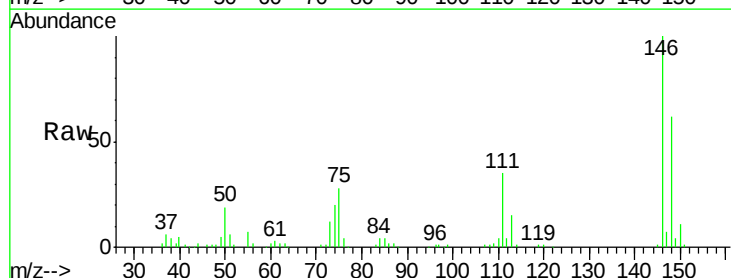
Manual Integrations
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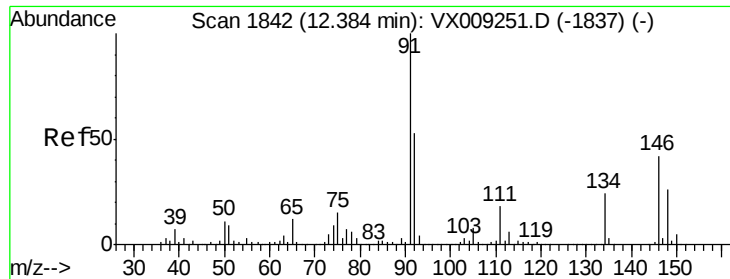
MMDadoda
 5/2/2019 10:53:41 AM



#84
 1,4-Dichlorobenzene
 Concen: 5.033 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX009260.D
 Acq: 01 May 2019 17:38

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.6	58.7
148	62.2	32.3	96.8





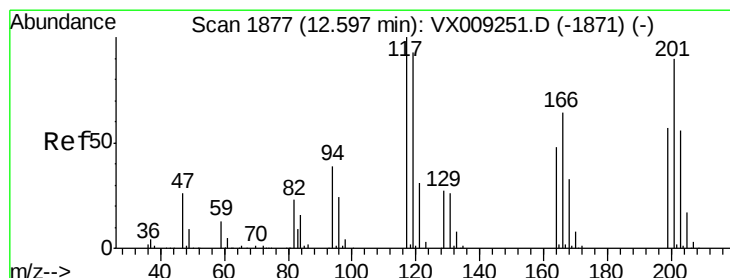
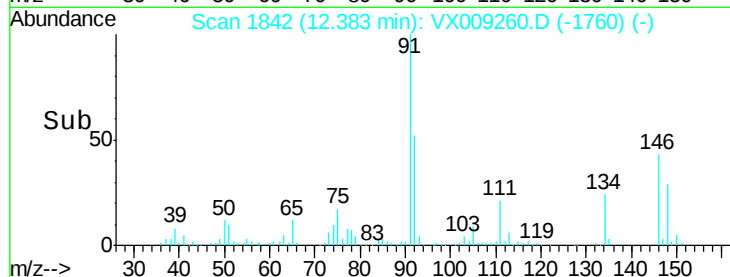
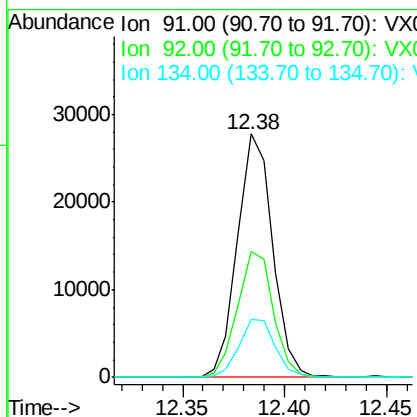
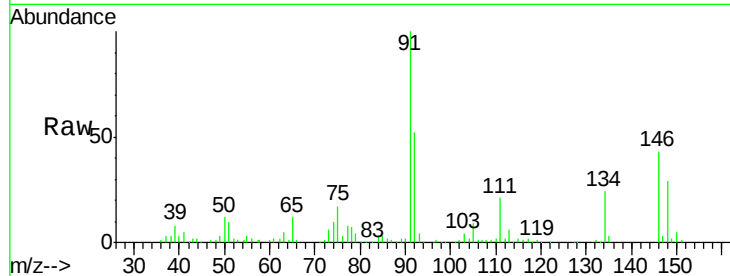
#85
n-Butylbenzene
Concen: 4.517 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX009260.D
Acq: 01 May 2019 17:38

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT2-2019

Tot Ion	Ratio	Resp	Lower	Upper
91	100	33172		
92	53.0		0.0	106.6
134	24.7		0.0	50.0

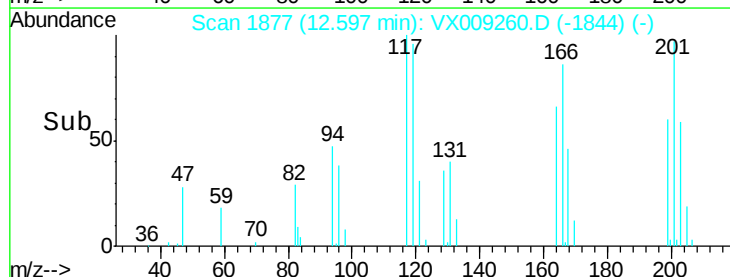
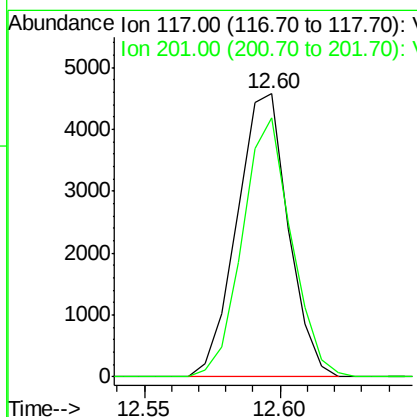
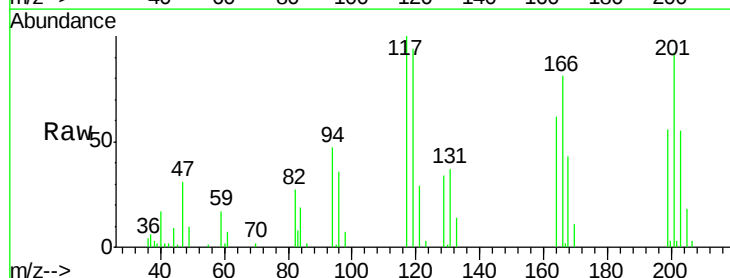
Manual Integrations
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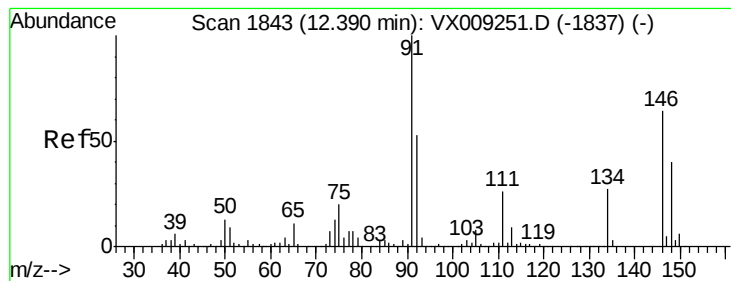
MMDadoda
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#86
Hexachloroethane
Concen: 4.380 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX009260.D
Acq: 01 May 2019 17:38

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	5982		
201	87.3		41.8	125.4





#87

1,2-Dichlorobenzene

Concen: 5.197 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX009260.D

Acq: 01 May 2019 17:38

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT2-2019

Tot Ion:146 Resp: 20933

Ion Ratio Lower Upper

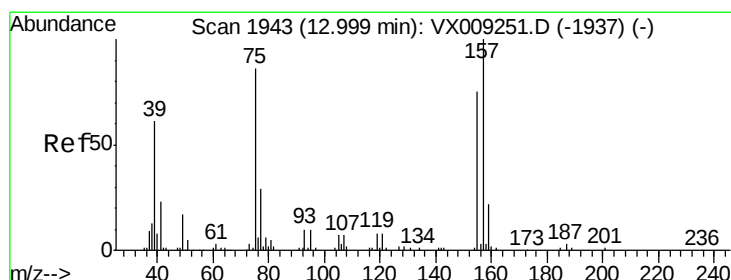
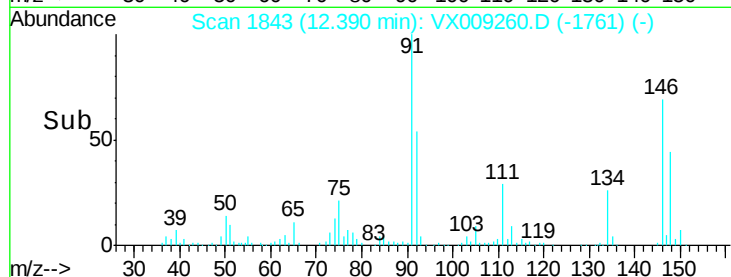
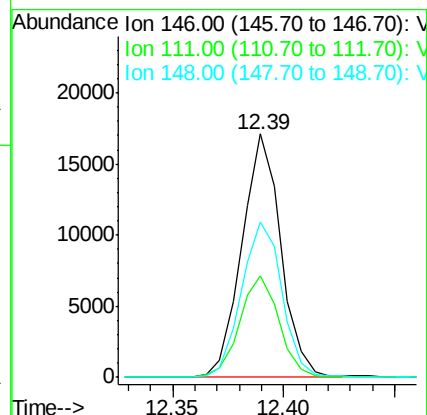
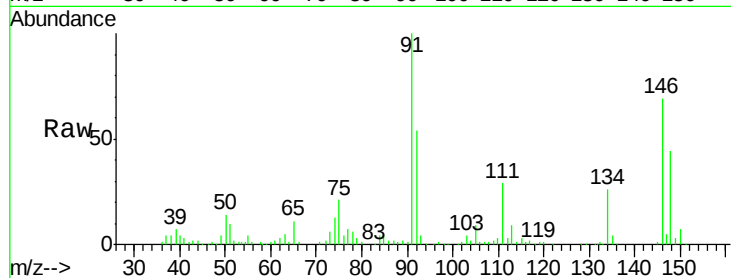
146 100

111 42.2 20.8 62.2

148 66.1 31.4 94.3

Manual Integrations
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#88

1,2-Dibromo-3-Chloropropane

Concen: 5.146 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VX009260.D

Acq: 01 May 2019 17:38

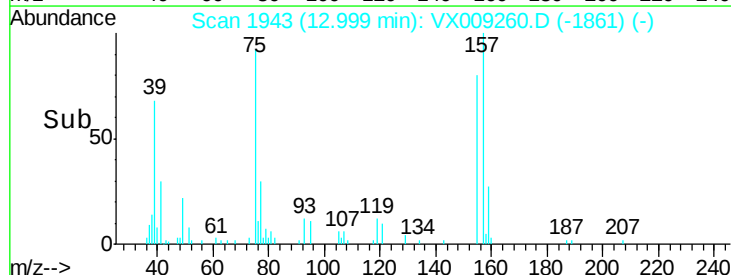
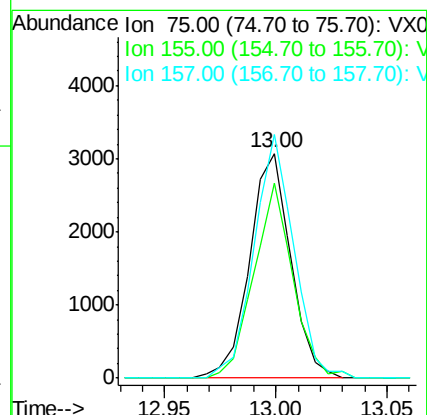
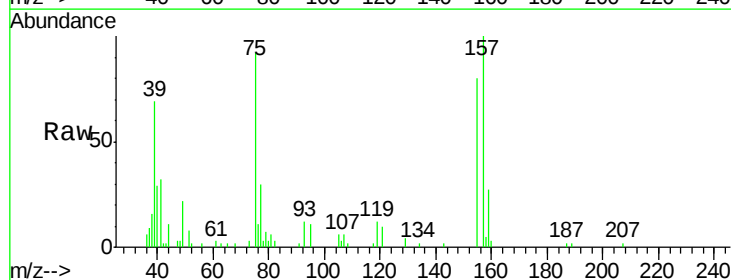
Tgt Ion: 75 Resp: 3972

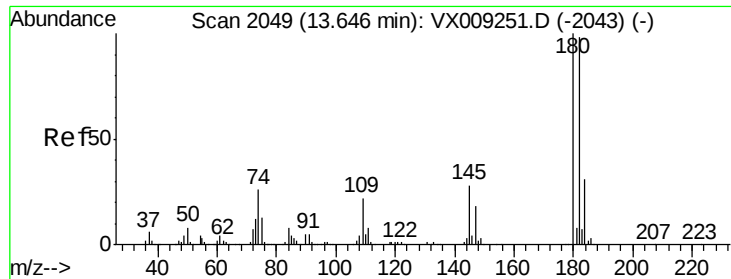
Ion Ratio Lower Upper

75 100

155 82.1 65.9 98.9

157 104.3 85.2 127.8





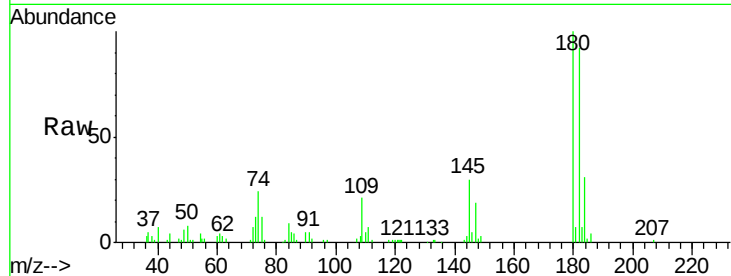
#89
 1,2,4-Trichlorobenzene
 Concen: 4.835 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX009260.D
 Acq: 01 May 2019 17:38

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT2-2019

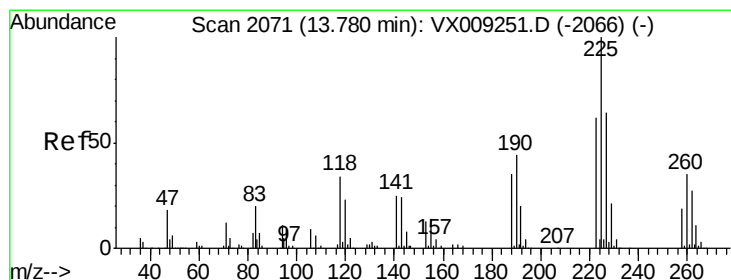
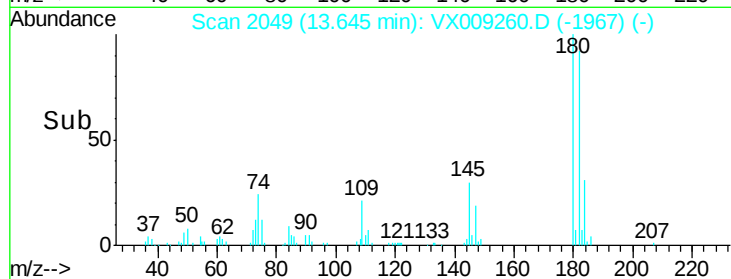
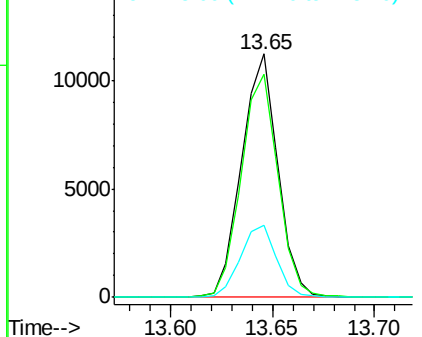
Tot Ion	Ratio	Resp	Lower	Upper
180	100	13883		
182	93.2	76.9	115.3	
145	29.6	23.0	34.6	

Manual Integrations
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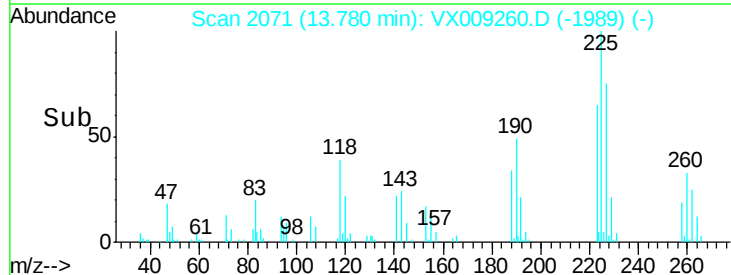
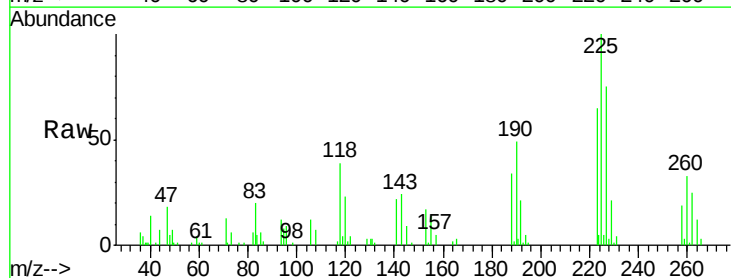
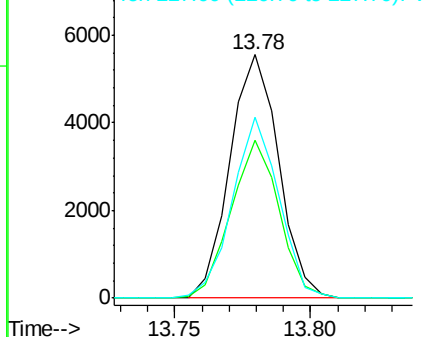
Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

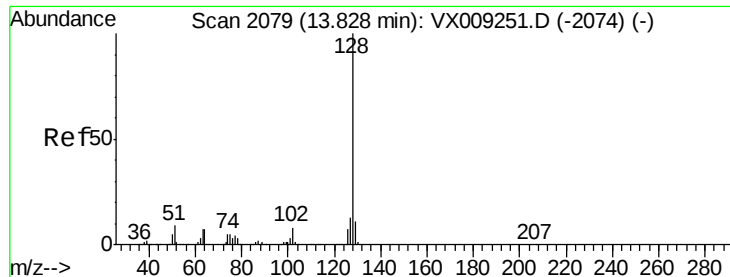


#90
 Hexachlorobutadiene
 Concen: 4.819 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX009260.D
 Acq: 01 May 2019 17:38

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	6911		
223	64.1	0.0	126.6	
227	70.9	0.0	130.0	

Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V





#91

Naphthalene

Concen: 4.864 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.01 min

Lab File: VX009260.D

Acq: 01 May 2019 17:38

Instrument :

MSVOA_X

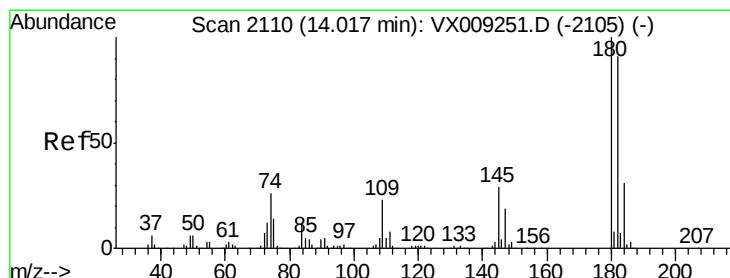
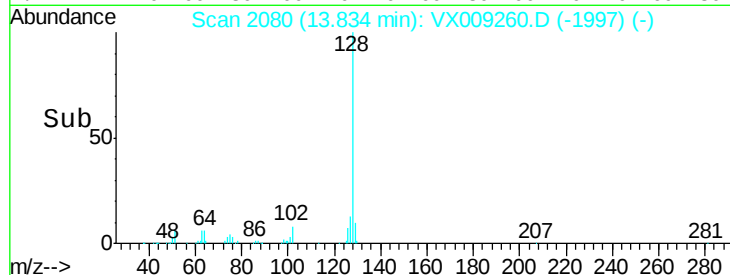
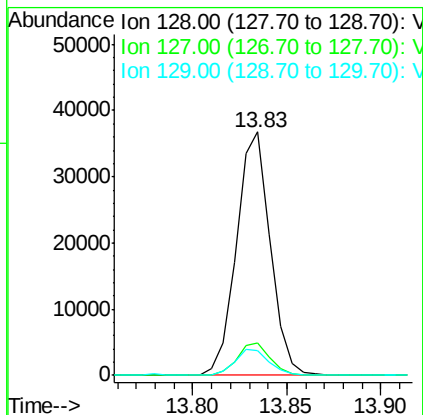
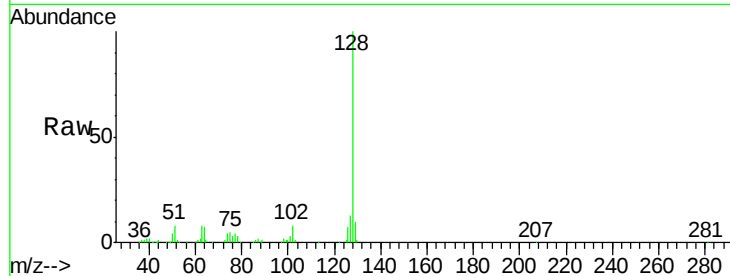
ClientSampleId :

LOQ-WATER-02-QT2-2019

Tot Ion:	128	Resp:	45726
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.5	15.7
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
5/2/2019 10:53:41 AM



#92

1,2,3-Trichlorobenzene

Concen: 4.671 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX009260.D

Acq: 01 May 2019 17:38

Tgt Ion:	180	Resp:	13632
Ion Ratio	Lower	Upper	
180	100		
182	97.5	0.0	189.0
145	34.4	0.0	61.6

