

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX071619\
 Data File : VX010910.D
 Acq On : 16 Jul 2019 16:42
 Operator : JC/SP
 Sample : K3591-08 1PPB
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 7/17/2019 10:45:43 AM

Quant Time: Jul 17 06:41:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 17 05:51:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	214706	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	324898	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	288122	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	136999	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	110822	48.52	ug/l	0.00
Spiked Amount			Recovery	=	97.04%	
35) Dibromofluoromethane	5.50	113	96935	47.01	ug/l	0.00
Spiked Amount			Recovery	=	94.02%	
50) Toluene-d8	8.71	98	372646	48.18	ug/l	0.00
Spiked Amount			Recovery	=	96.36%	
62) 4-Bromofluorobenzene	11.13	95	127733	44.93	ug/l	0.00
Spiked Amount			Recovery	=	89.86%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	1302	0.650	ug/l	85
3) Chloromethane	1.32	50	1960	0.993	ug/l #	82
4) Vinyl Chloride	1.41	62	1802	0.895	ug/l	90
5) Bromomethane	1.64	94	2095	1.846	ug/l	100
6) Chloroethane	1.73	64	1877	1.467	ug/l #	78
7) Trichlorofluoromethane	1.93	101	2987	0.876	ug/l	86
8) Diethyl Ether	2.19	74	1038m	0.884	ug/l	
9) 1,1,2-Trichlorotrifluoroet	2.39	101	1897	0.975	ug/l	96
10) Methyl Iodide	2.51	142	1764	0.691	ug/l	97
11) Tert butyl alcohol	3.03	59	6238	11.727	ug/l #	73
12) 1,1-Dichloroethene	2.37	96	1800	0.941	ug/l	94
13) Acrolein	2.29	56	1733	5.639	ug/l	88
14) Allyl chloride	2.73	41	2787	1.003	ug/l #	86
15) Acrylonitrile	3.14	53	5642	5.249	ug/l	100
16) Acetone	2.45	43	5163	5.005	ug/l	92
17) Carbon Disulfide	2.57	76	4818	0.982	ug/l	99
18) Methyl Acetate	2.78	43	3141	1.337	ug/l #	87
19) Methyl tert-butyl Ether	3.19	73	5687	0.924	ug/l	91
20) Methylene Chloride	2.87	84	2682	1.227	ug/l #	80
21) trans-1,2-Dichloroethene	3.17	96	1927	0.950	ug/l #	89
22) Diisopropyl ether	3.85	45	6088	1.039	ug/l	95
23) Vinyl Acetate	3.82	43	20162	4.062	ug/l	98
24) 1,1-Dichloroethane	3.70	63	3489	1.025	ug/l #	84
25) 2-Butanone	4.68	43	6955	4.696	ug/l	95
26) 2,2-Dichloropropane	4.59	77	2666	0.954	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	2425	1.033	ug/l	86
28) Bromochloromethane	5.03	49	2191	1.366	ug/l #	84
29) Tetrahydrofuran	5.15	42	4968	5.296	ug/l	97
30) Chloroform	5.21	83	4110	1.118	ug/l	94
31) Cyclohexane	5.58	56	3021	0.974	ug/l	87
32) 1,1,1-Trichloroethane	5.50	97	3015	0.948	ug/l #	45
36) 1,1-Dichloropropene	5.81	75	2721	1.020	ug/l	99
37) Ethyl Acetate	4.84	43	2437	0.892	ug/l #	93
38) Carbon Tetrachloride	5.79	117	2703	0.972	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	3208	0.927	ug/l	89
40) Benzene	6.14	78	7656	0.937	ug/l	99
41) Methacrylonitrile	5.05	41	1595m	1.028	ug/l	
42) 1,2-Dichloroethane	6.20	62	3003	1.057	ug/l	99
43) Isopropyl Acetate	6.44	43	4442	0.989	ug/l #	67
44) Trichloroethene	7.22	130	2447	1.011	ug/l	89
45) 1,2-Dichloropropane	7.51	63	2088	1.004	ug/l	95
46) Dibromomethane	7.66	93	1690	1.137	ug/l	87
47) Bromodichloromethane	7.90	83	2219	0.838	ug/l #	98
48) Methyl methacrylate	7.77	41	1794	0.820	ug/l	88
49) 1,4-Dioxane	7.75	88	1296	21.166	ug/l #	86
51) 4-Methyl-2-Pentanone	8.64	43	12886	4.424	ug/l	99
52) Toluene	8.79	92	5205	0.969	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	2097	0.737	ug/l	96
54) cis-1,3-Dichloropropene	8.43	75	2752	0.869	ug/l	94
55) 1,1,2-Trichloroethane	9.21	97	2010	0.909	ug/l	89
56) Ethyl methacrylate	9.18	69	2789	0.862	ug/l #	82
57) 1,3-Dichloropropane	9.37	76	3236	0.923	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.31	63	6866	4.447	ug/l	96
59) 2-Hexanone	9.49	43	9934	4.397	ug/l	96
60) Dibromochloromethane	9.58	129	1681	0.751	ug/l	92
61) 1,2-Dibromoethane	9.67	107	2116	0.902	ug/l	97
64) Tetrachloroethene	9.34	164	2385	1.052	ug/l	94
65) Chlorobenzene	10.13	112	5517	0.932	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	1813	0.872	ug/l #	62
67) Ethyl Benzene	10.25	91	9193	0.913	ug/l	97
68) m/p-Xylenes	10.36	106	7454	1.929	ug/l	87
69) o-Xylene	10.69	106	3517	0.933	ug/l	94
70) Styrene	10.71	104	5240	0.834	ug/l	98
71) Bromoform	10.85	173	1153	0.695	ug/l #	88
73) Isopropylbenzene	11.02	105	8583	0.927	ug/l	94
74) N-amyl acetate	10.90	43	2899	0.820	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	11.27	83	2929	0.967	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	2792m	1.129	ug/l	
77) Bromobenzene	11.26	156	2690	1.053	ug/l	98
78) n-propylbenzene	11.36	91	9517	0.930	ug/l	99
79) 2-Chlorotoluene	11.42	91	6333	1.031	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	7243	0.936	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	556m	0.619	ug/l	
82) 4-Chlorotoluene	11.51	91	7070	0.989	ug/l	100
83) tert-Butylbenzene	11.77	119	6950	0.915	ug/l	95
84) 1,2,4-Trimethylbenzene	11.80	105	6641	0.852	ug/l	94
85) sec-Butylbenzene	11.94	105	8104	0.910	ug/l	99
86) p-Isopropyltoluene	12.06	119	6990	0.849	ug/l	89
87) 1,3-Dichlorobenzene	12.02	146	4302	0.971	ug/l	96
88) 1,4-Dichlorobenzene	12.10	146	5029m	1.107	ug/l	
89) n-Butylbenzene	12.38	91	5615	0.797	ug/l	95
90) Hexachloroethane	12.60	117	975	0.751	ug/l	92
91) 1,2-Dichlorobenzene	12.39	146	4419	1.006	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.00	75	607	0.959	ug/l	78

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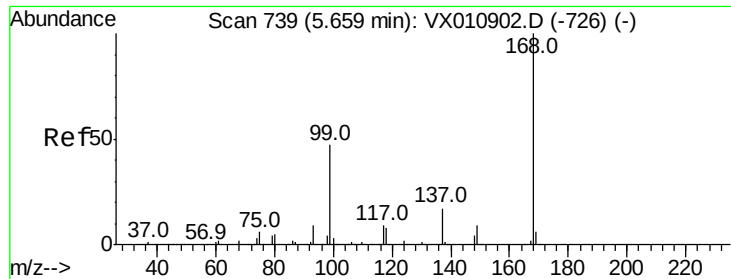
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	2776	0.933	ug/l	95
94) Hexachlorobutadiene	13.78	225	1349	0.915	ug/l	97
95) Naphthalene	13.83	128	7198	0.819	ug/l	98
96) 1,2,3-Trichlorobenzene	14.02	180	2852	0.963	ug/l	92

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX010910.D

Acq: 16 Jul 2019 16:42

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT3-2019

Tot Ion:168 Resp: 214706

Ion Ratio Lower Upper

168 100

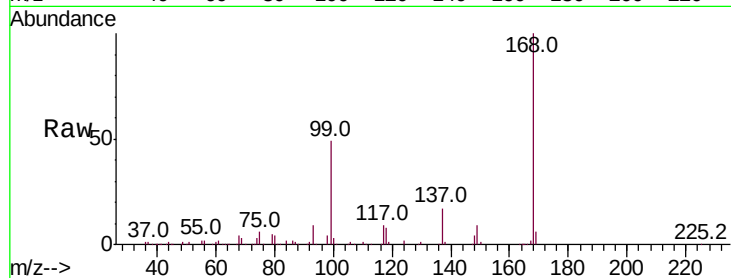
99 49.2 37.6 56.4

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

60000

40000

20000

0

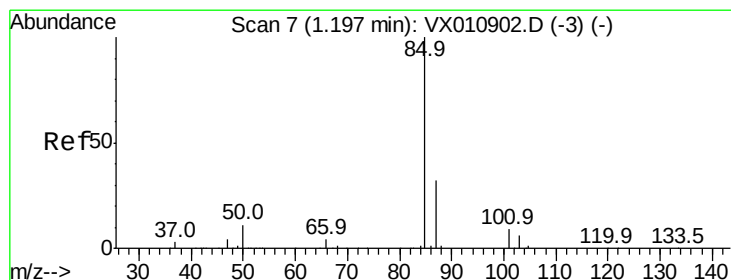
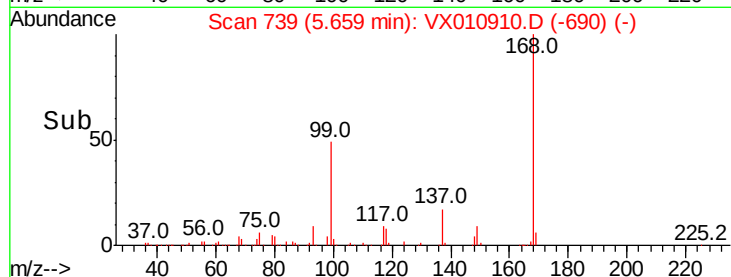
5.50

5.60

5.70

5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 0.650 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX010910.D

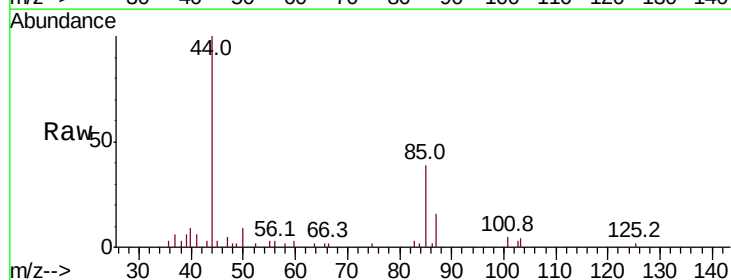
Acq: 16 Jul 2019 16:42

Tgt Ion: 85 Resp: 1302

Ion Ratio Lower Upper

85 100

87 40.2 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

1200

1000

800

600

400

200

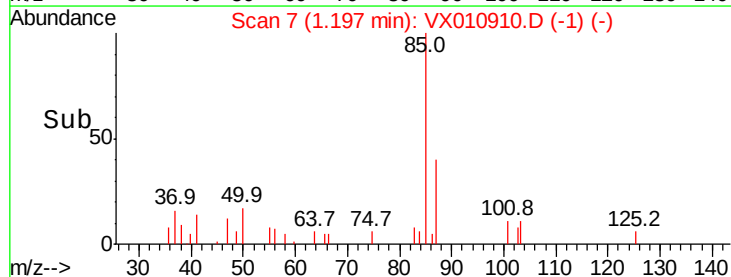
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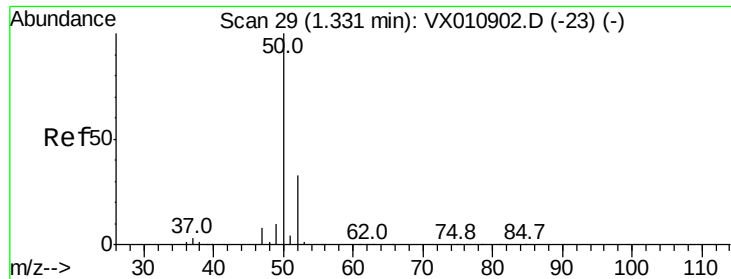
1.15

1.20

1.25

Time-->





#3

Chloromethane

Concen: 0.993 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.01 min

Lab File: VX010910.D

Acq: 16 Jul 2019 16:42

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT3-2019

Tot Ion: 50 Resp: 1960

Ion Ratio Lower Upper

50 100

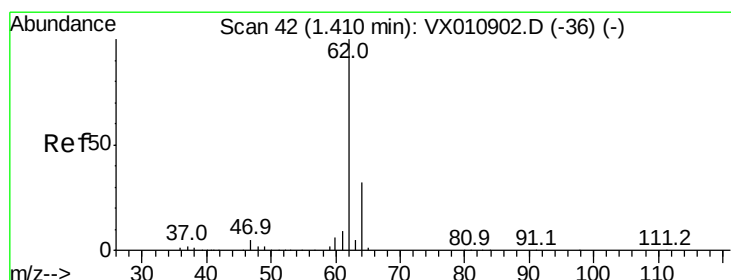
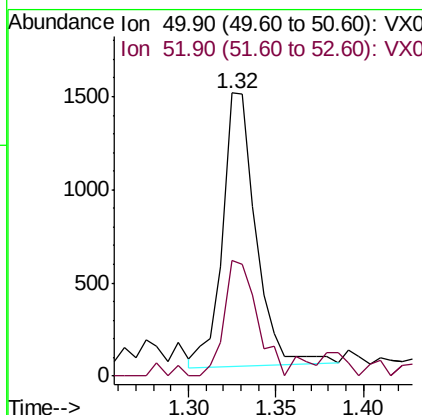
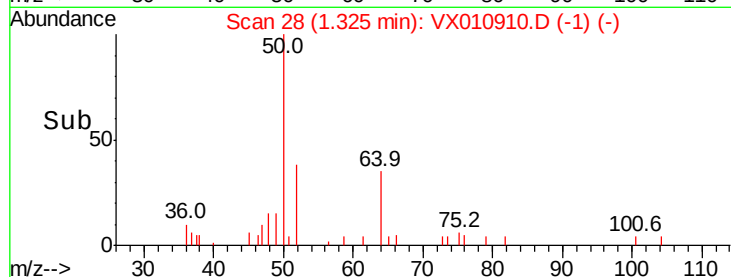
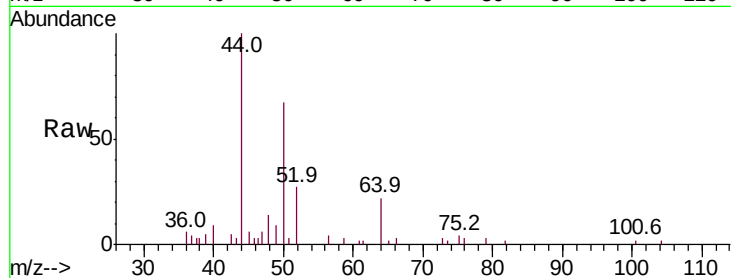
52 43.0 26.4 39.6#

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#4

Vinyl Chloride

Concen: 0.895 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX010910.D

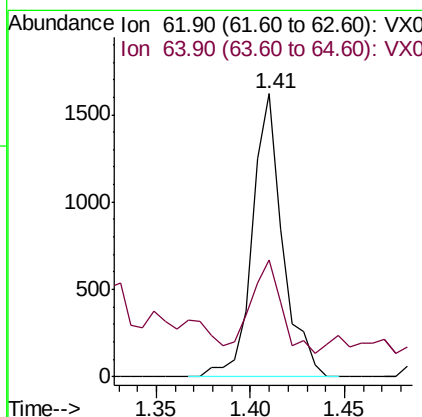
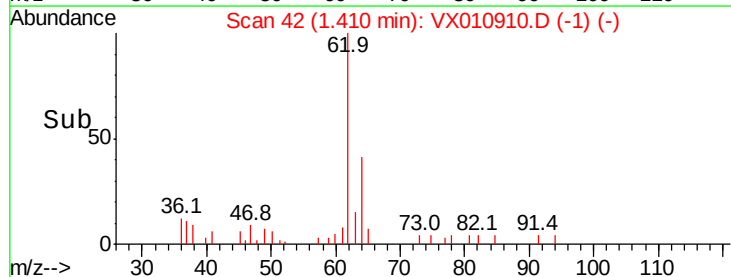
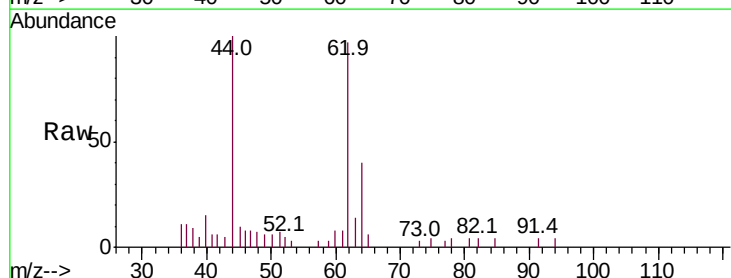
Acq: 16 Jul 2019 16:42

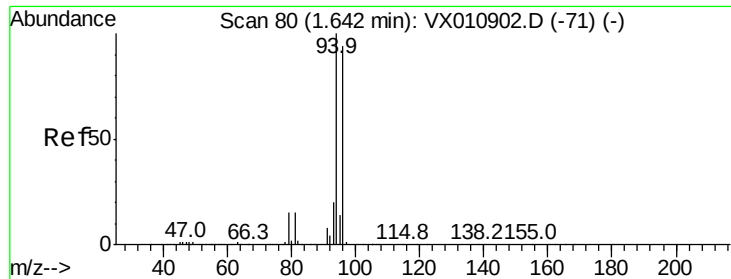
Tgt Ion: 62 Resp: 1802

Ion Ratio Lower Upper

62 100

64 26.6 25.7 38.5





#5

Bromomethane

Concen: 1.846 ug/l

RT: 1.64 min Scan# 80

Delta R.T. -0.00 min

Lab File: VX010910.D

Acq: 16 Jul 2019 16:42

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT3-2019

Tot Ion: 94 Resp: 2095

Ion Ratio Lower Upper

94 100

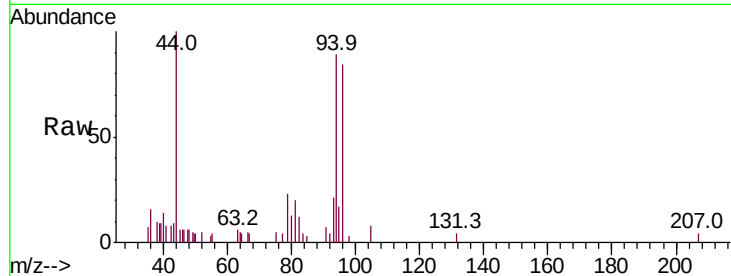
96 94.7 75.6 113.4

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

1500

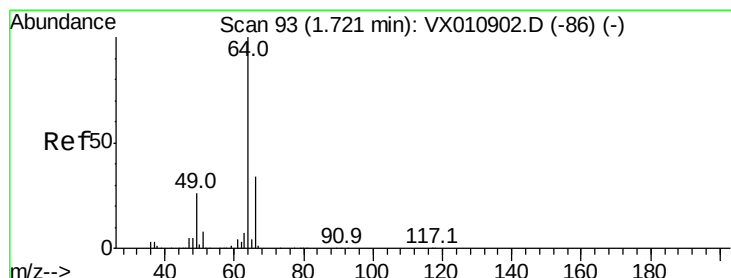
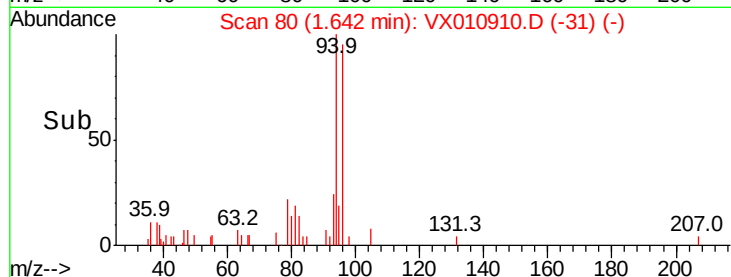
1000

500

0

1.60 1.65 1.70

Time-->



#6

Chloroethane

Concen: 1.467 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX010910.D

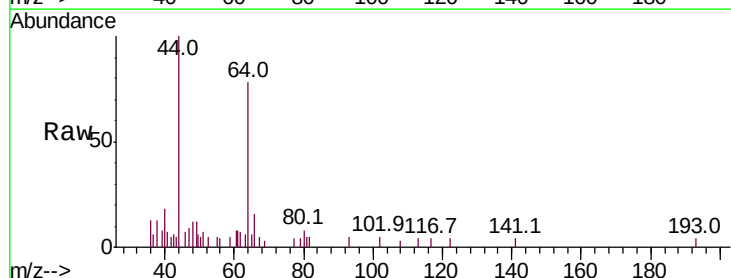
Acq: 16 Jul 2019 16:42

Tgt Ion: 64 Resp: 1877

Ion Ratio Lower Upper

64 100

66 21.2 27.0 40.6#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.73

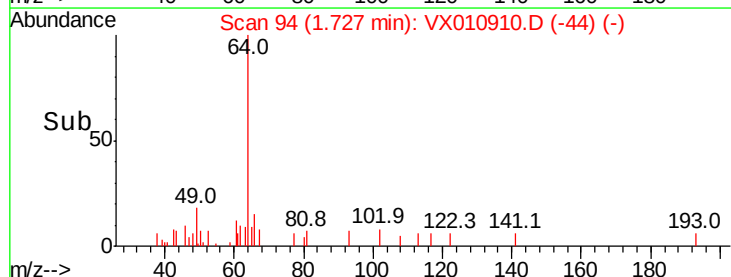
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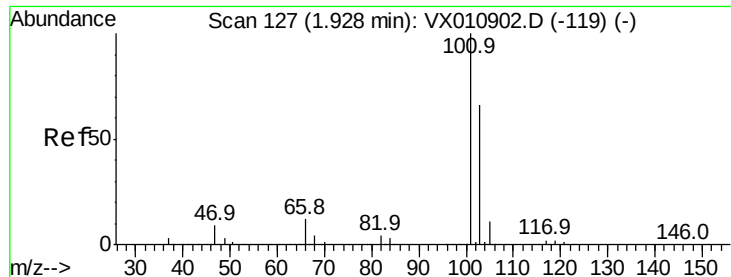
500

0

1.65 1.70 1.75

Time-->





#7

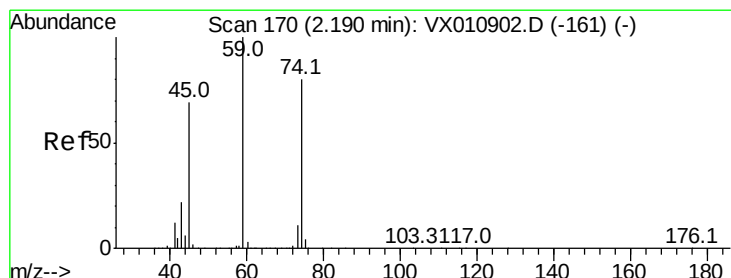
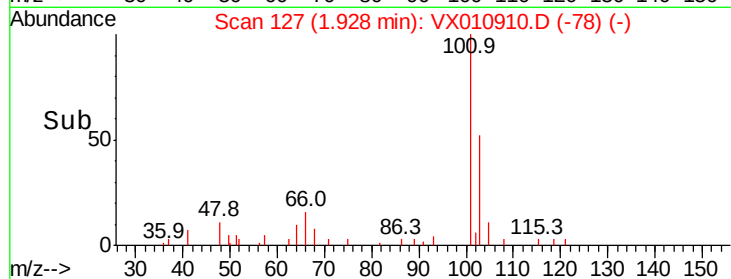
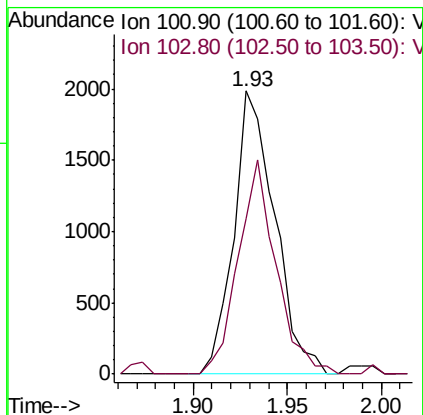
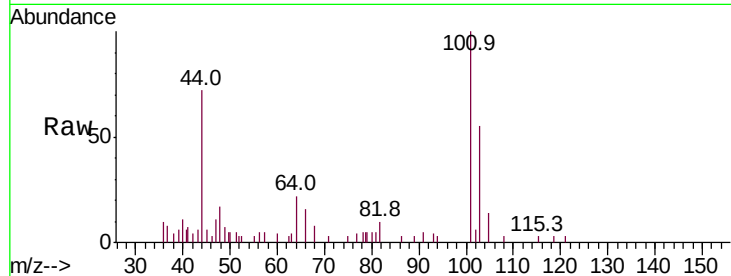
Trichlorofluoromethane
Concen: 0.876 ug/l
RT: 1.93 min Scan# 127
Delta R.T. -0.00 min
Lab File: VX010910.D
Acq: 16 Jul 2019 16:42

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

Tot Ion:101 Resp: 2987
Ion Ratio Lower Upper
101 100
103 55.0 52.6 78.8

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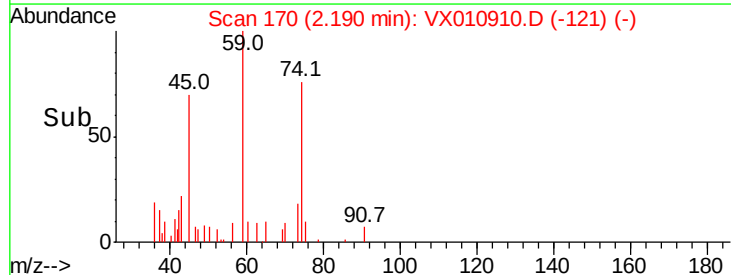
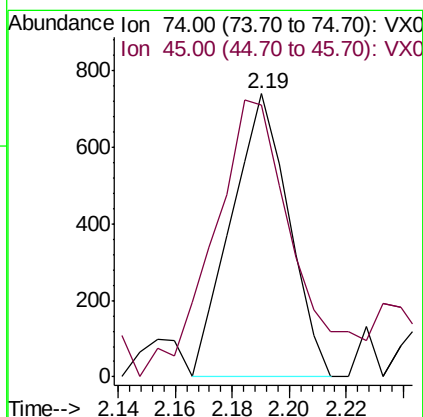
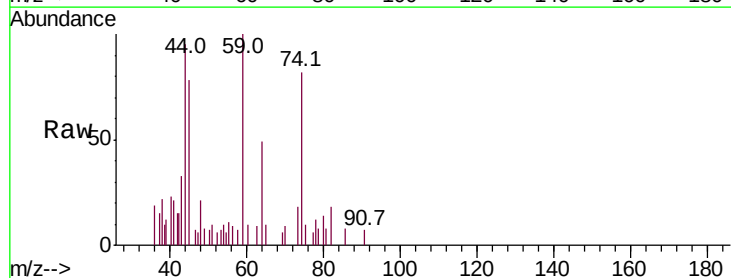
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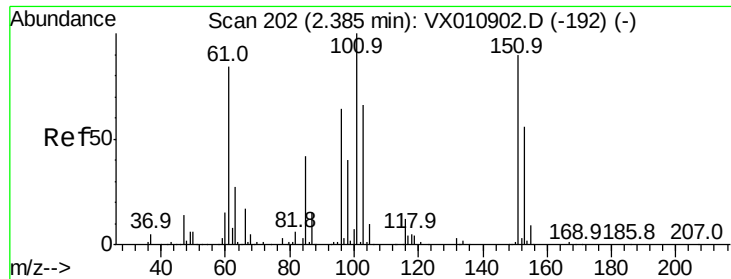


#8

Diethyl Ether
Concen: 0.884 ug/l m
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX010910.D
Acq: 16 Jul 2019 16:42

Tgt Ion: 74 Resp: 1038
Ion Ratio Lower Upper
74 100
45 8.1 45.5 136.5#





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.975 ug/l

RT: 2.39 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX010910.D

Acq: 16 Jul 2019 16:42

Instrument :

MSVOA_X

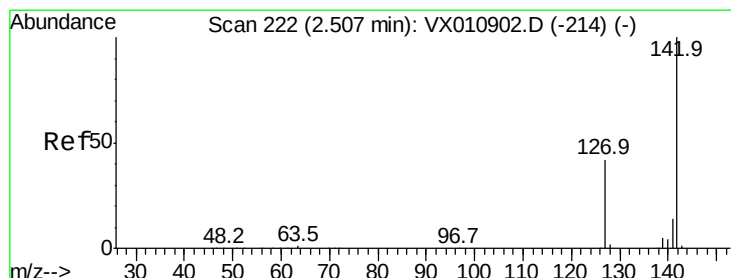
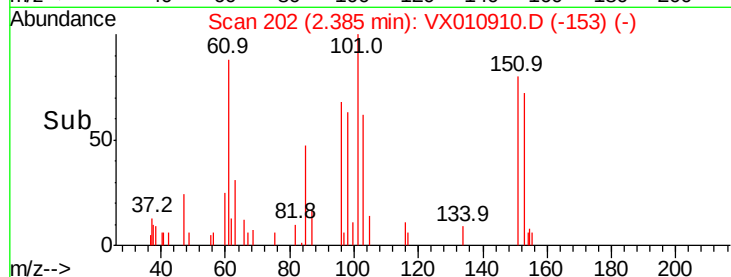
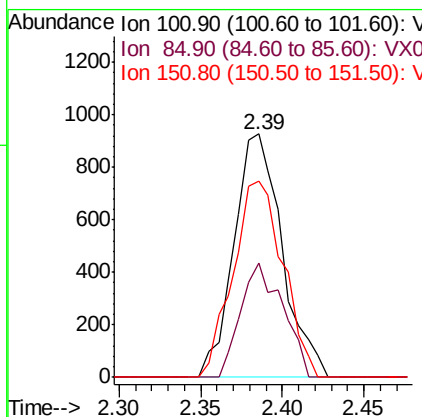
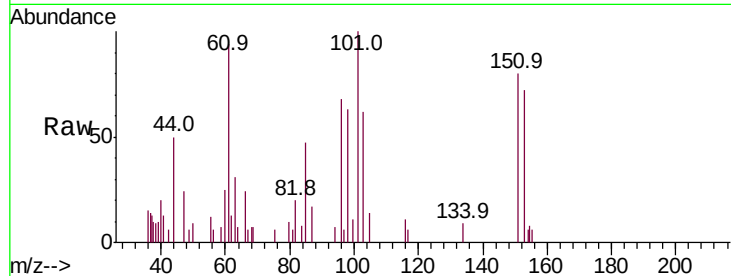
ClientSampleId :

LOQ-WATER-02-QT3-2019

Tot Ion:	101	Resp:	1897
Ion Ratio	Lower	Upper	
101	100		
85	41.0	34.6	52.0
151	83.8	69.6	104.4

Manual Integrations
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7/17/2019 10:45:43 AM



#10

Methyl Iodide

Concen: 0.691 ug/l

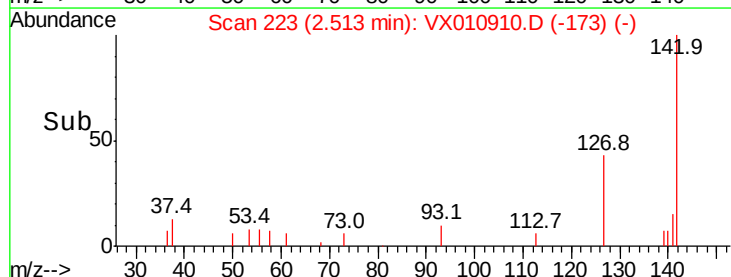
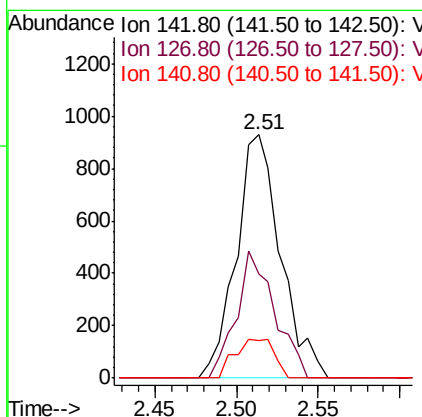
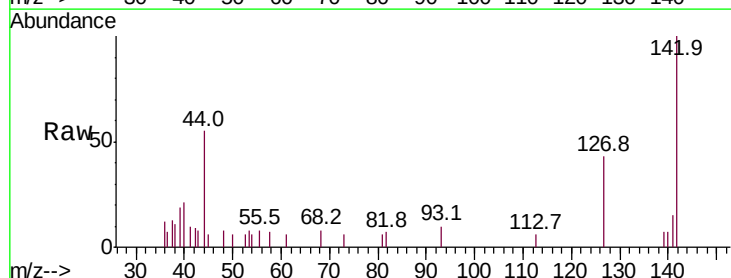
RT: 2.51 min Scan# 223

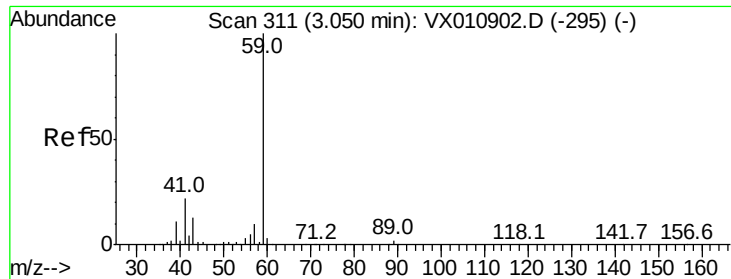
Delta R.T. 0.01 min

Lab File: VX010910.D

Acq: 16 Jul 2019 16:42

Tgt Ion:	142	Resp:	1764
Ion Ratio	Lower	Upper	
142	100		
127	45.0	34.2	51.4
141	14.2	11.7	17.5





#11

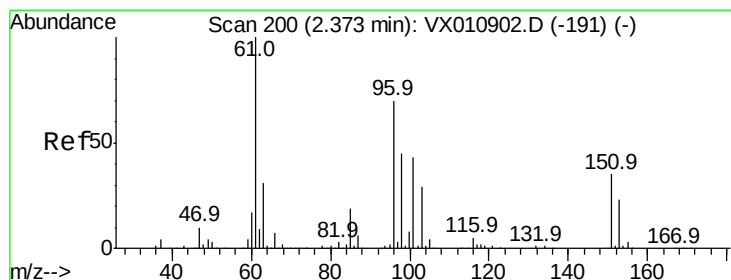
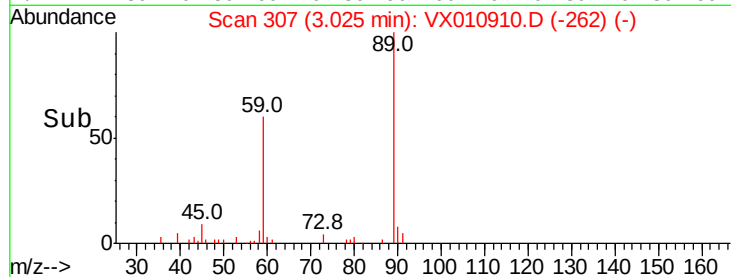
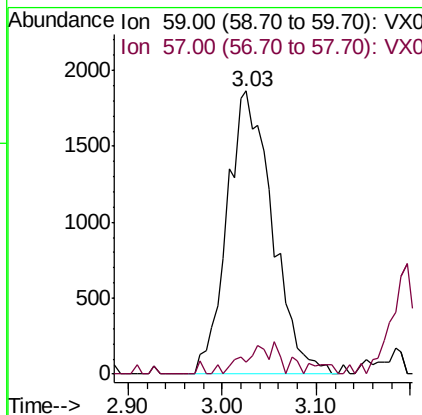
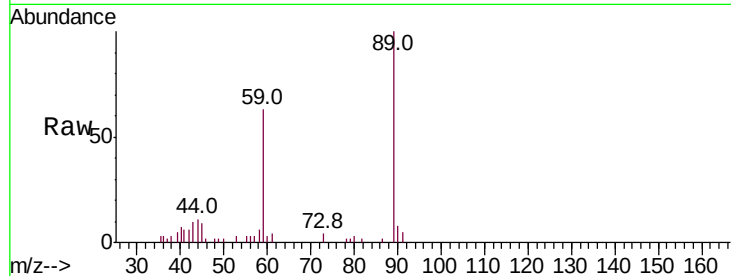
Tert butyl alcohol
Concen: 11.727 ug/l
RT: 3.03 min Scan# 307
Delta R.T. -0.02 min
Lab File: VX010910.D
Acq: 16 Jul 2019 16:42

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

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.9	11.9#

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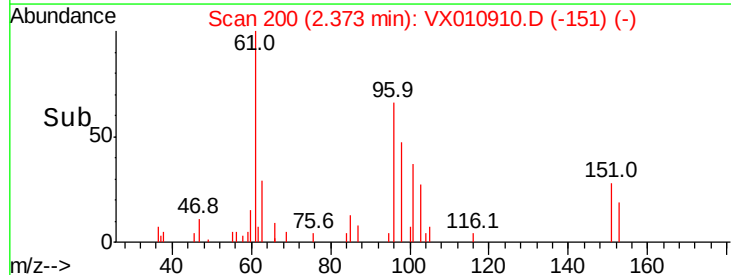
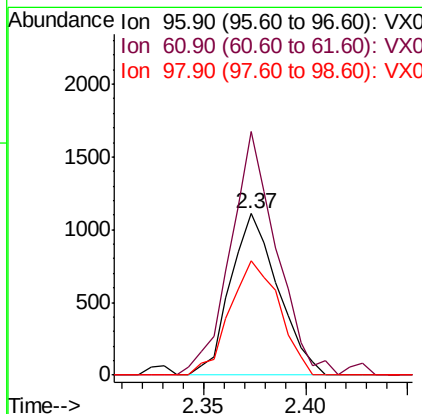
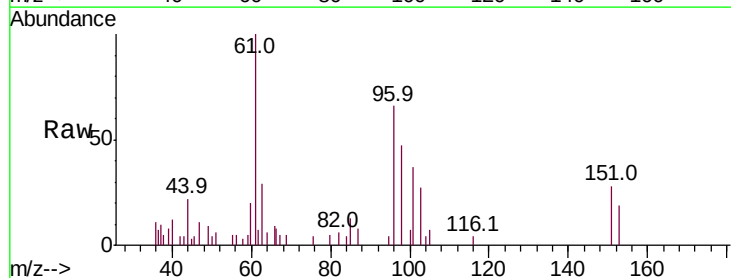
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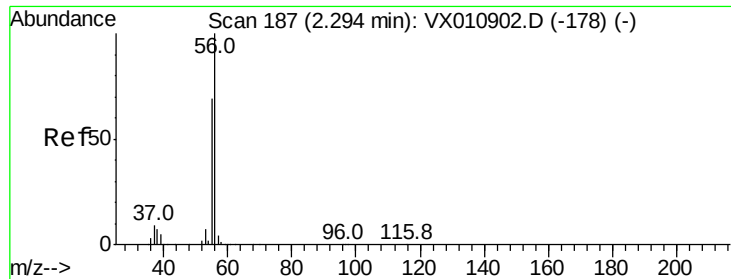


#12

1,1-Dichloroethene
Concen: 0.941 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX010910.D
Acq: 16 Jul 2019 16:42

Tgt Ion	Ratio	Lower	Upper
96	100		
61	151.1	115.0	172.4
98	70.8	52.2	78.2





#13

Acrolein

Concen: 5.639 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX010910.D

Acq: 16 Jul 2019 16:42

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT3-2019

Tot Ion: 56 Resp: 1733

Ion Ratio Lower Upper

56 100

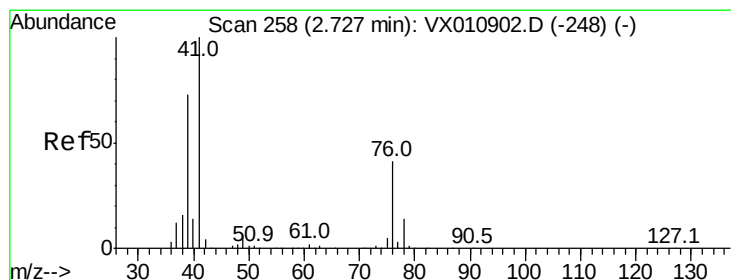
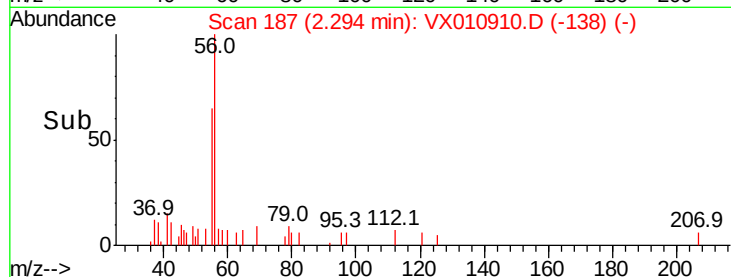
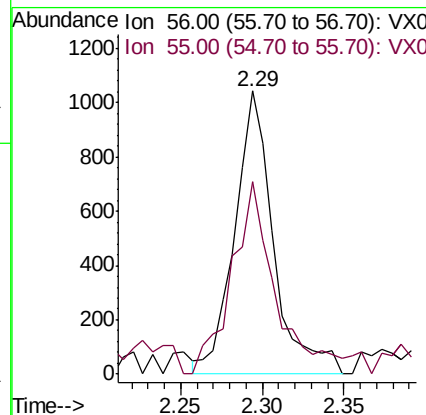
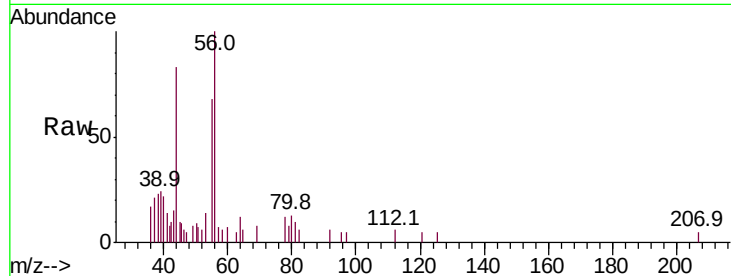
55 79.3 55.9 83.9

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#14

Allyl chloride

Concen: 1.003 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX010910.D

Acq: 16 Jul 2019 16:42

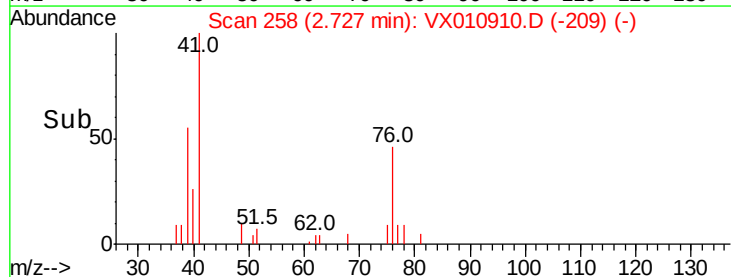
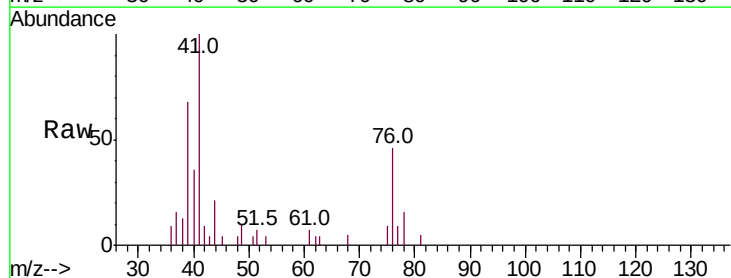
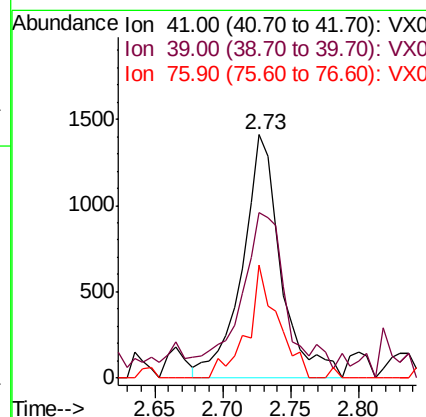
Tgt Ion: 41 Resp: 2787

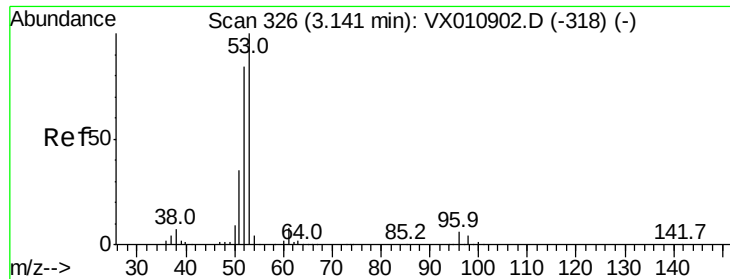
Ion Ratio Lower Upper

41 100

39 84.3 53.6 80.4#

76 37.0 29.7 44.5





#15

Acrylonitrile

Concen: 5.249 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX010910.D

Acq: 16 Jul 2019 16:42

Instrument :

MSVOA_X

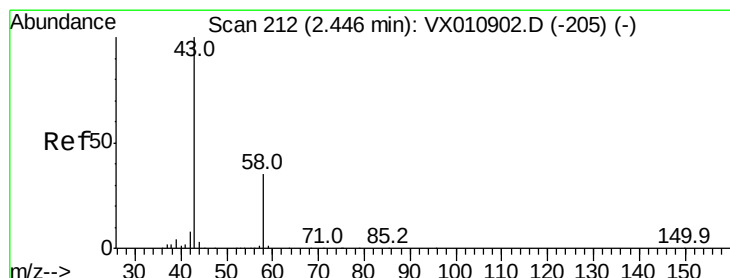
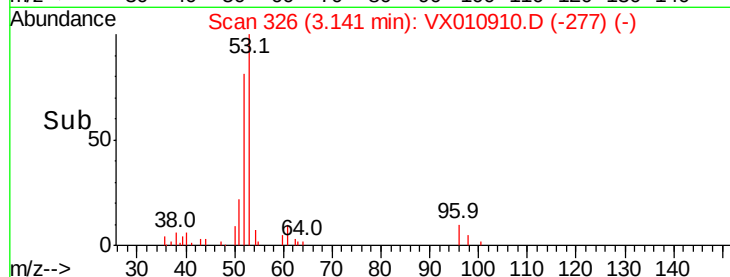
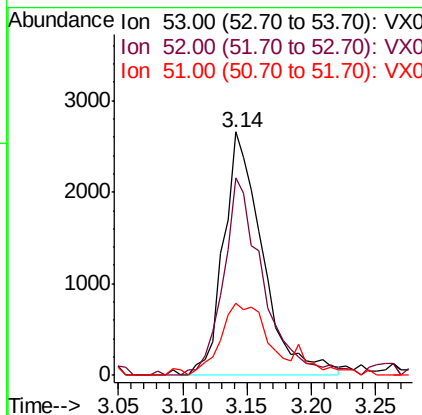
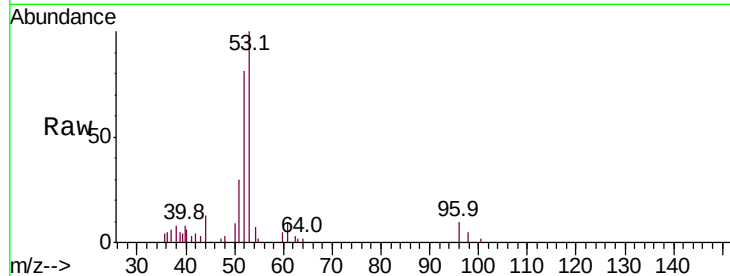
ClientSampleId :

LOQ-WATER-02-QT3-2019

Tot Ion:	53	Resp:	5642
Ion	Ratio	Lower	Upper
53	100		
52	83.0	66.5	99.7
51	34.6	28.2	42.4

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#16

Acetone

Concen: 5.005 ug/l

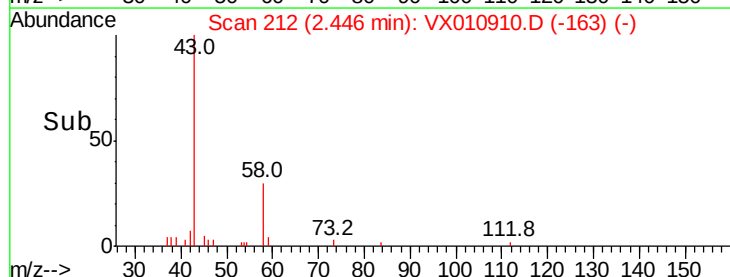
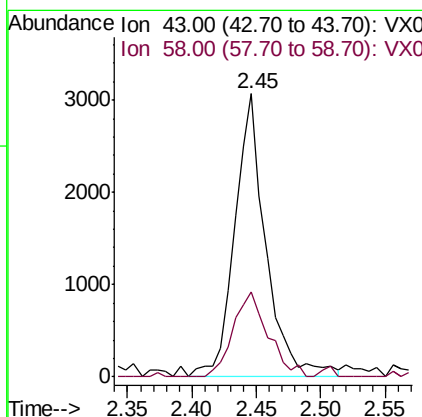
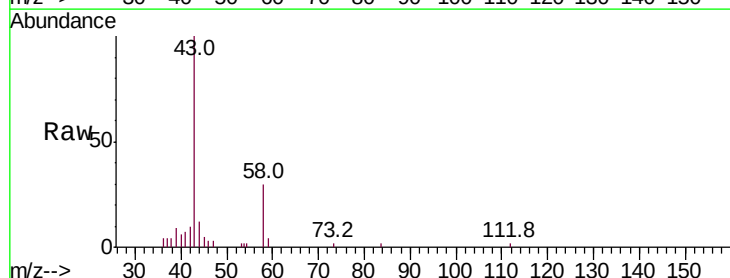
RT: 2.45 min Scan# 212

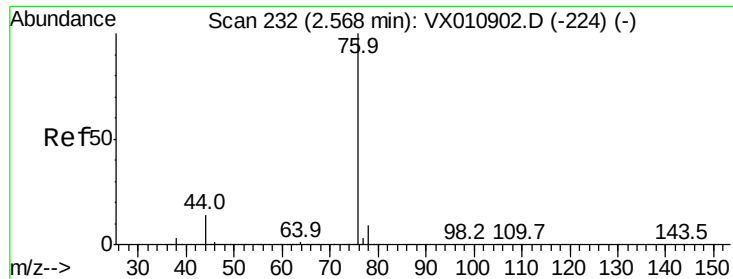
Delta R.T. -0.00 min

Lab File: VX010910.D

Acq: 16 Jul 2019 16:42

Tgt Ion:	43	Resp:	5163
Ion	Ratio	Lower	Upper
43	100		
58	29.9	27.7	41.5





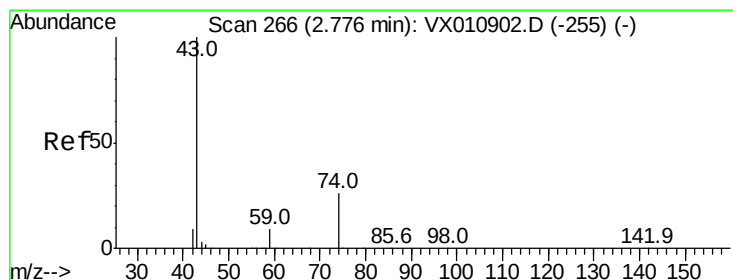
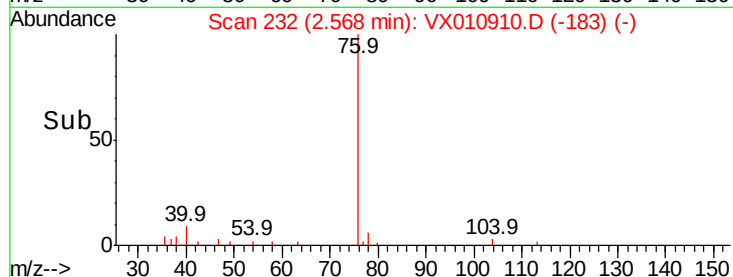
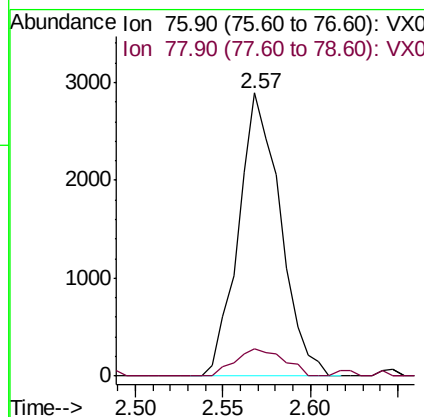
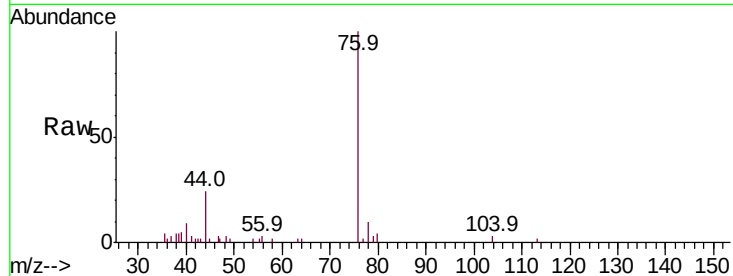
#17
Carbon Disulfide
Concen: 0.982 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX010910.D
Acq: 16 Jul 2019 16:42

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

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.7	7.4	11.0

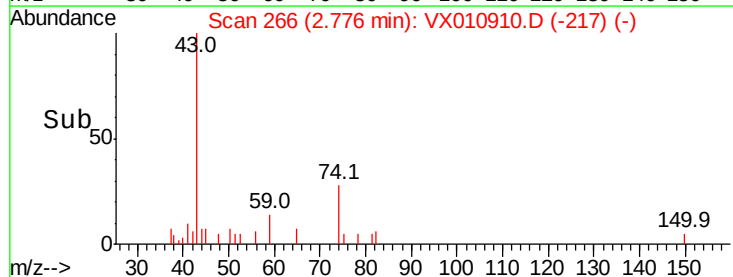
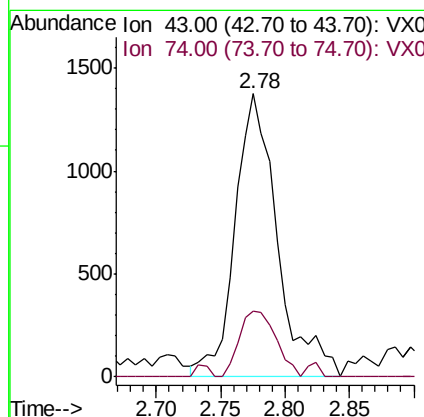
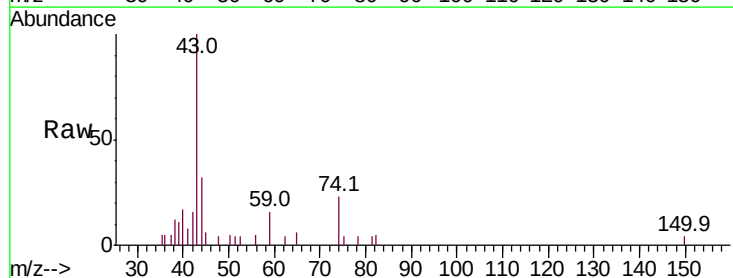
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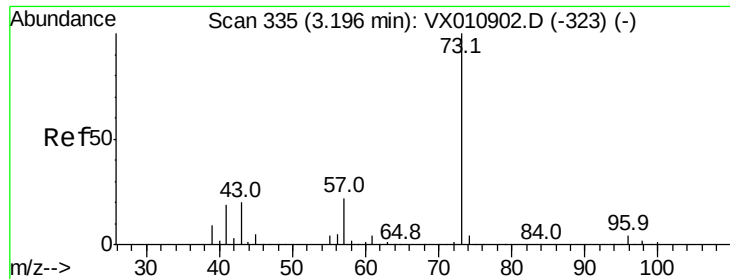
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#18
Methyl Acetate
Concen: 1.337 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX010910.D
Acq: 16 Jul 2019 16:42

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.1	21.5	32.3#





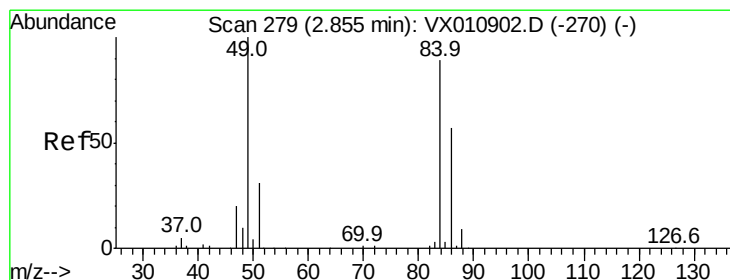
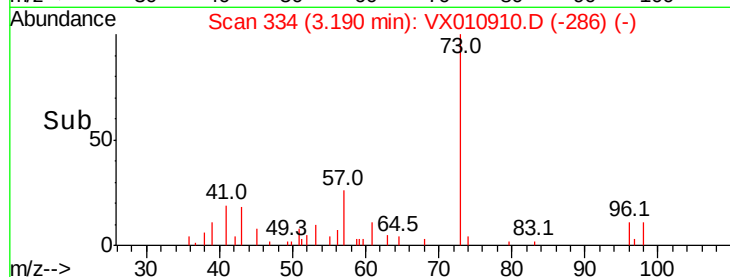
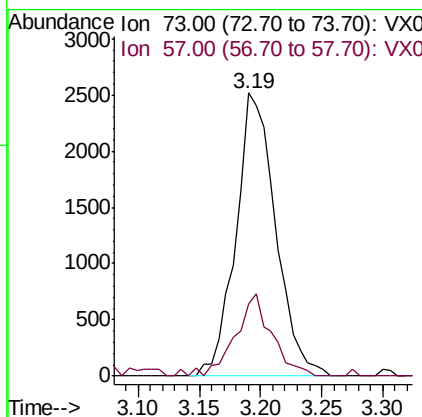
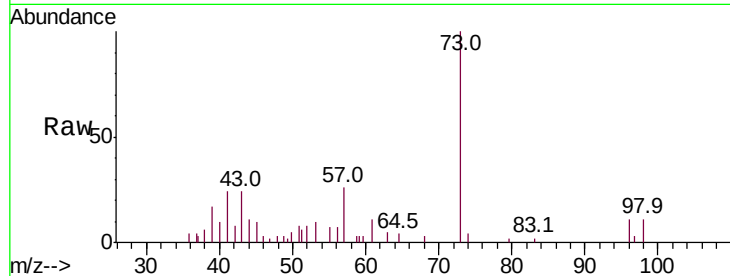
#19
Methyl tert-butyl Ether
Concen: 0.924 ug/l
RT: 3.19 min Scan# 334
Delta R.T. -0.01 min
Lab File: VX010910.D
Acq: 16 Jul 2019 16:42

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

Tot Ion: 73 Resp: 5687
Ion Ratio Lower Upper
73 100
57 25.6 17.3 25.9

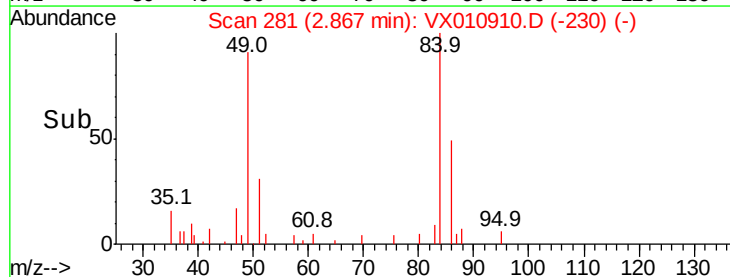
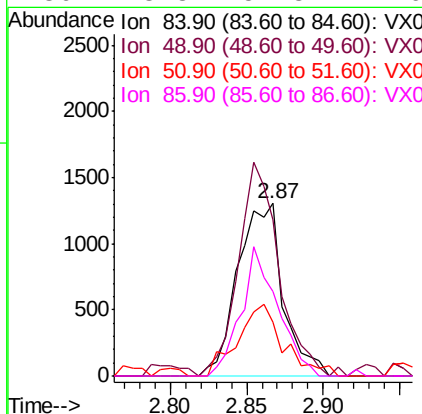
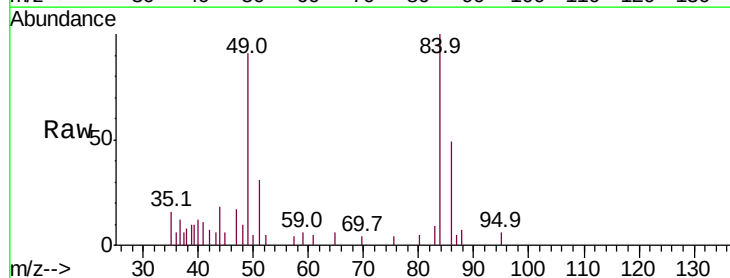
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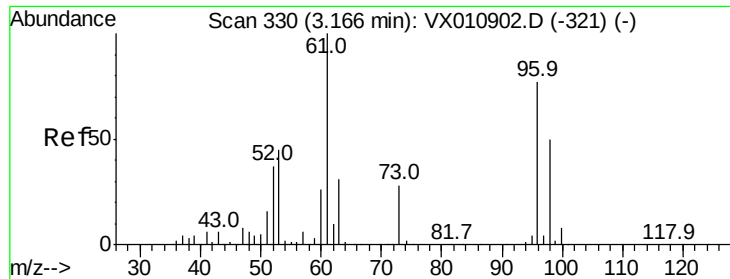
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#20
Methylene Chloride
Concen: 1.227 ug/l
RT: 2.87 min Scan# 281
Delta R.T. 0.01 min
Lab File: VX010910.D
Acq: 16 Jul 2019 16:42

Tgt Ion: 84 Resp: 2682
Ion Ratio Lower Upper
84 100
49 86.4 89.9 134.9#
51 31.2 27.8 41.6
86 48.8 51.8 77.6#





#21

trans-1,2-Dichloroethene

Concen: 0.950 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX010910.D

Acq: 16 Jul 2019 16:42

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT3-2019

Tot Ion: 96 Resp: 1927

Ion Ratio Lower Upper

96 100

61 132.1 104.2 156.2

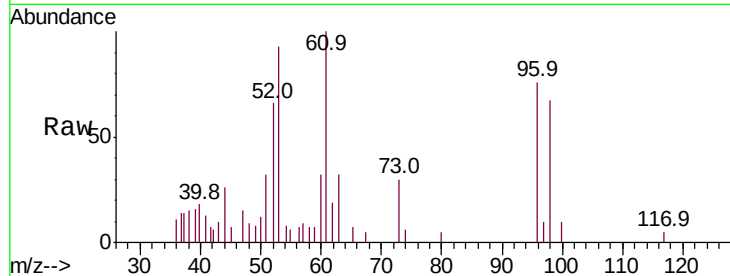
98 88.4 52.2 78.4#

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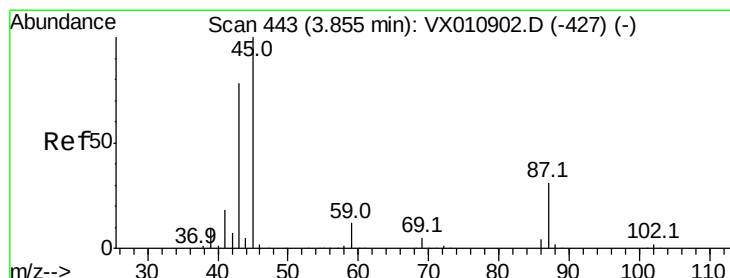
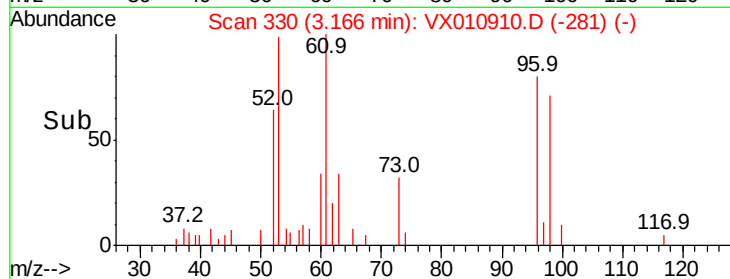
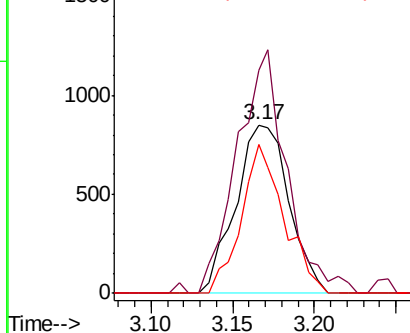
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Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 1.039 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX010910.D

Acq: 16 Jul 2019 16:42

Tgt Ion: 45 Resp: 6088

Ion Ratio Lower Upper

45 100

43 75.6 62.3 93.5

87 26.2 25.0 37.4

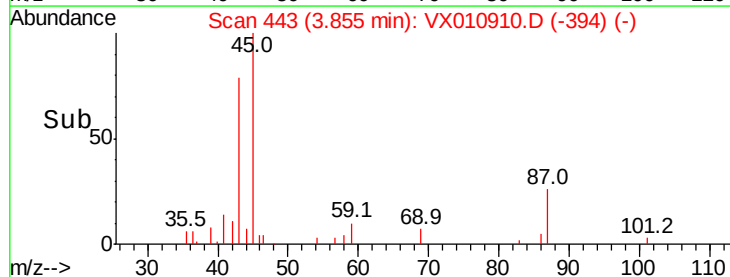
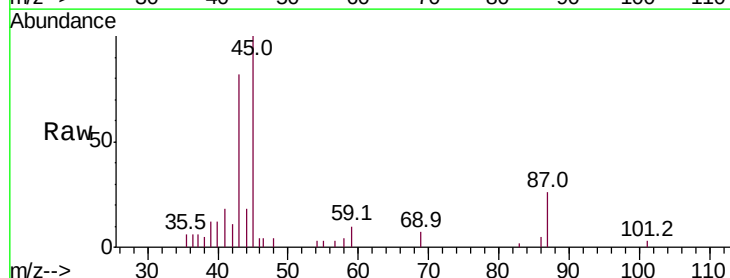
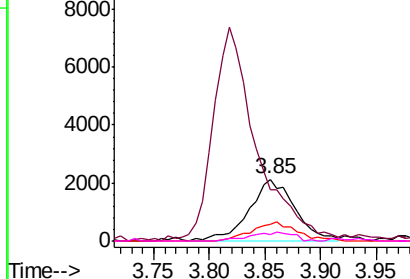
59 10.0 9.9 14.9

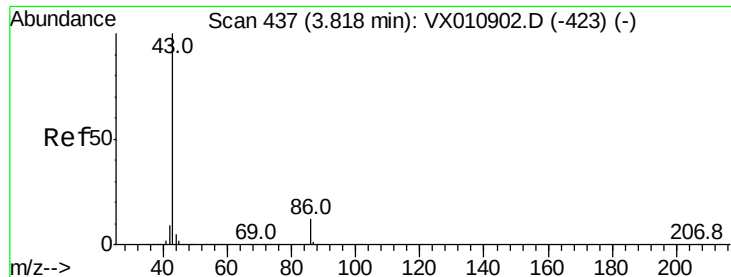
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 4.062 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.00 min

Lab File: VX010910.D

Acq: 16 Jul 2019 16:42

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT3-2019

Tot Ion: 43 Resp: 20162

Ion Ratio Lower Upper

43 100

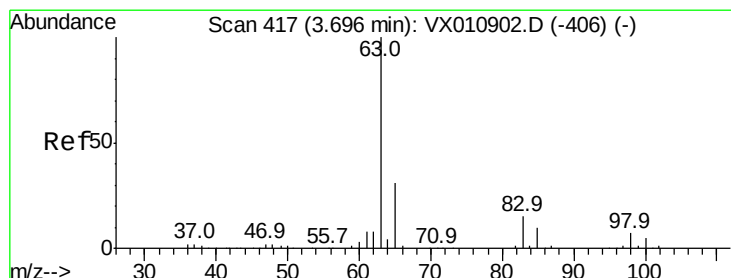
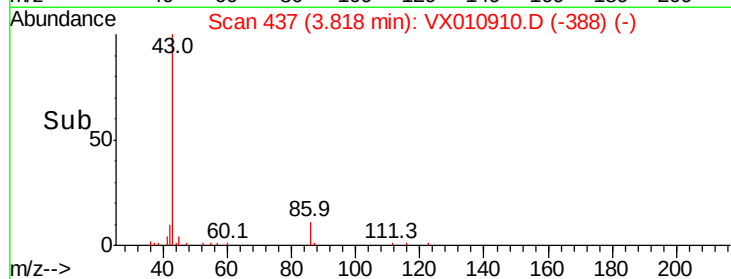
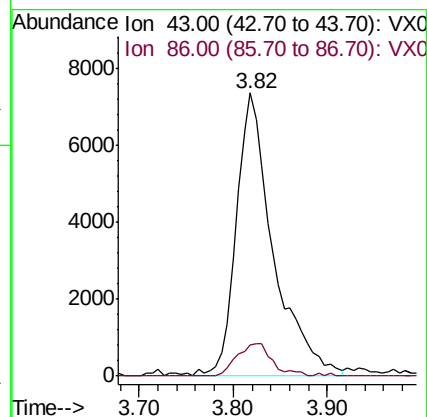
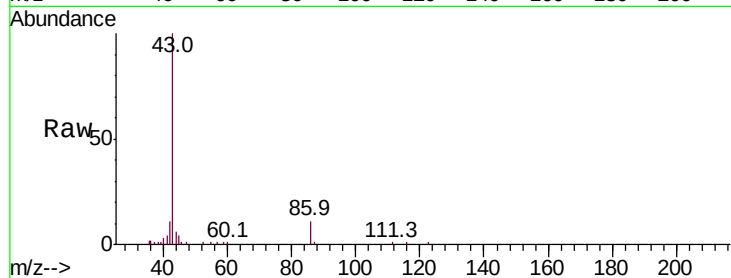
86 10.8 9.4 14.0

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#24

1,1-Dichloroethane

Concen: 1.025 ug/l

RT: 3.70 min Scan# 418

Delta R.T. 0.01 min

Lab File: VX010910.D

Acq: 16 Jul 2019 16:42

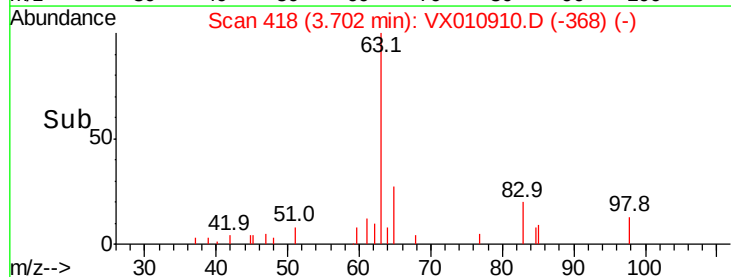
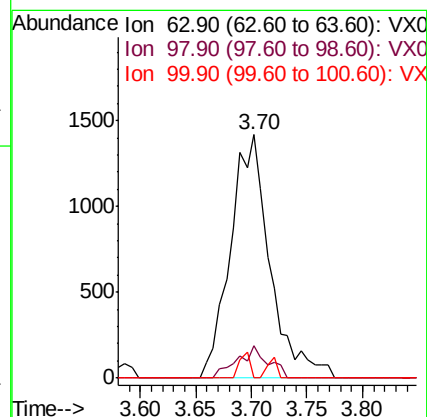
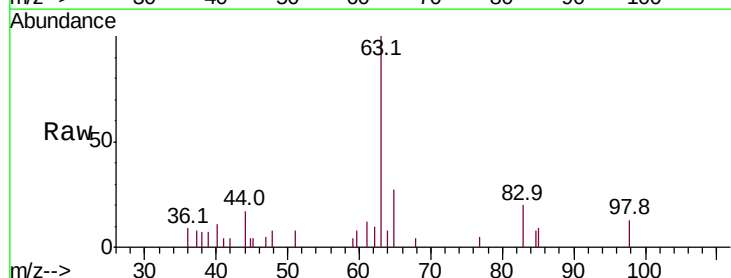
Tgt Ion: 63 Resp: 3489

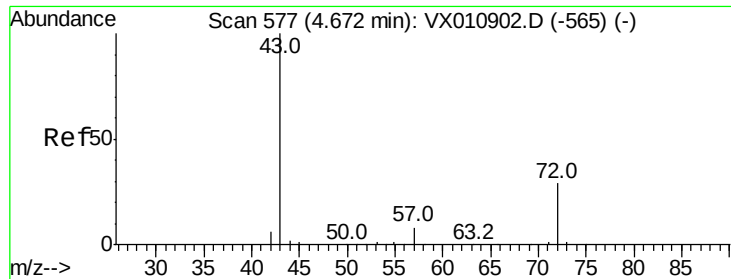
Ion Ratio Lower Upper

63 100

98 13.1 3.6 10.9#

100 0.0 2.4 7.2#





#25

2-Butanone

Concen: 4.696 ug/l

RT: 4.68 min Scan# 579

Delta R.T. 0.01 min

Lab File: VX010910.D

Acq: 16 Jul 2019 16:42

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT3-2019

Tot Ion: 43 Resp: 6955

Ion Ratio Lower Upper

43 100

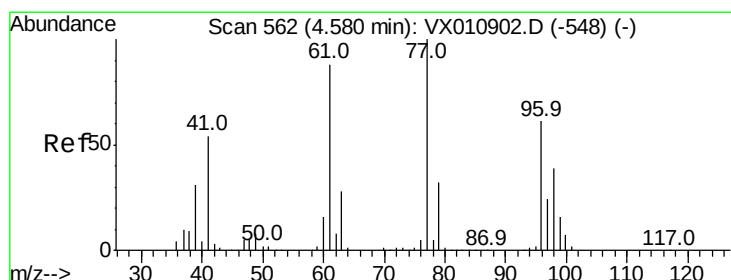
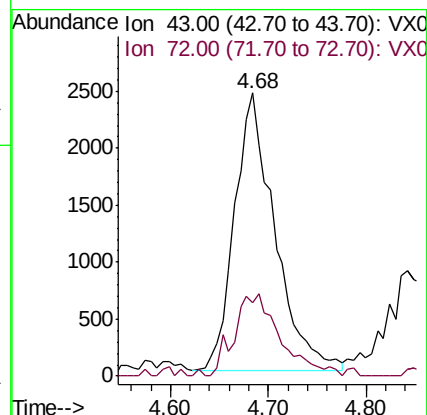
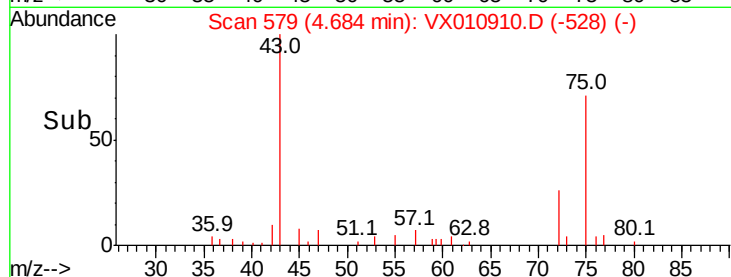
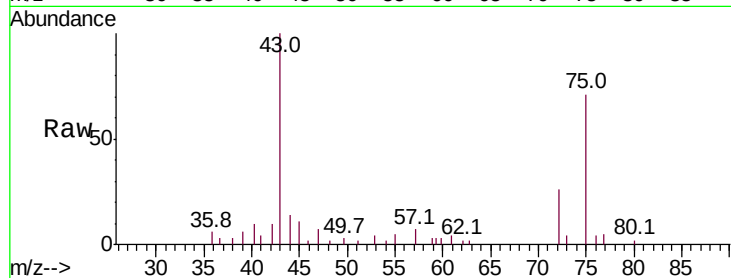
72 26.4 23.0 34.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 0.954 ug/l

RT: 4.59 min Scan# 564

Delta R.T. 0.01 min

Lab File: VX010910.D

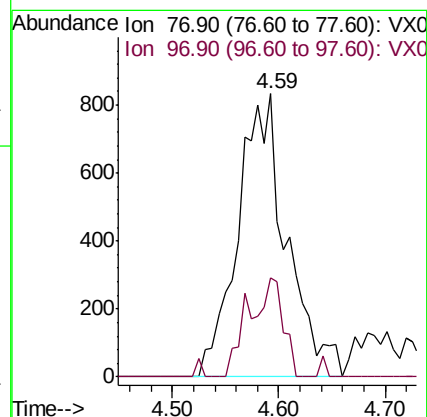
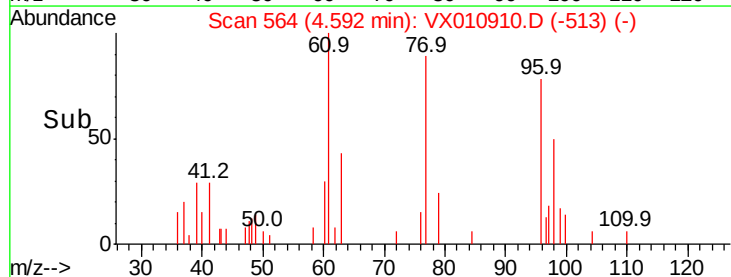
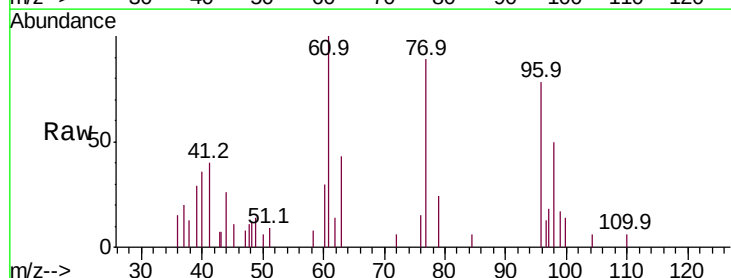
Acq: 16 Jul 2019 16:42

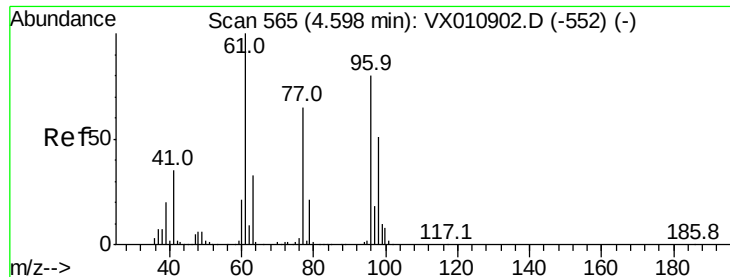
Tgt Ion: 77 Resp: 2666

Ion Ratio Lower Upper

77 100

97 24.7 12.6 37.6





#27

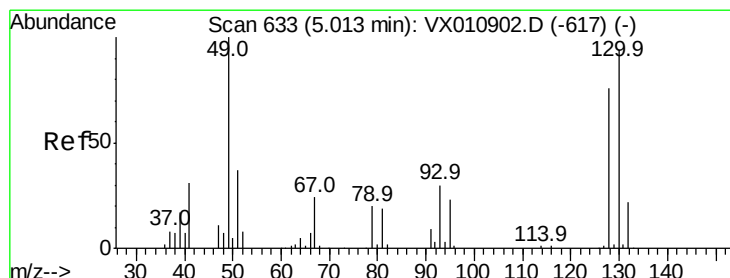
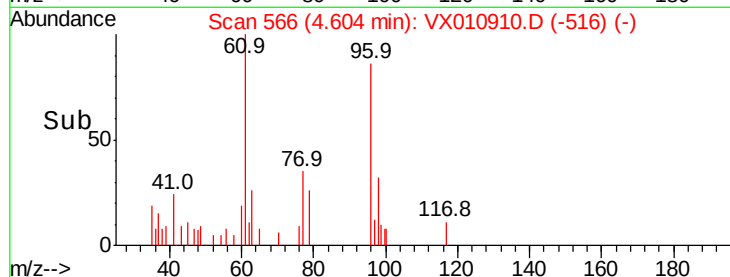
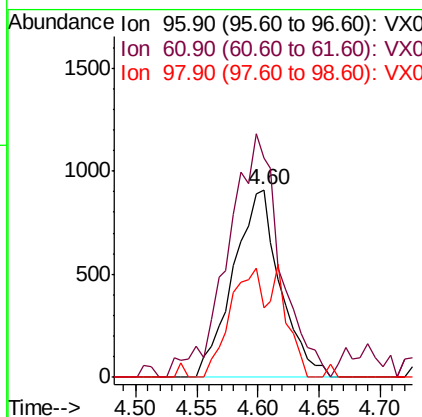
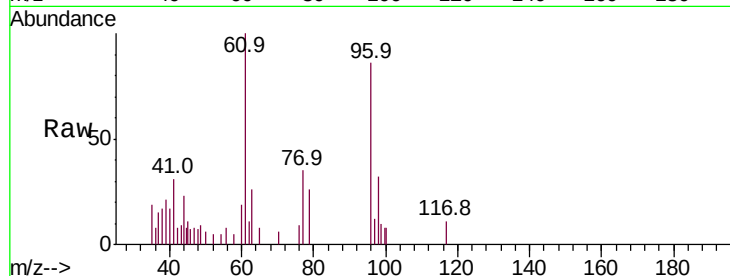
cis-1,2-Dichloroethene
Concen: 1.033 ug/l
RT: 4.60 min Scan# 566
Delta R.T. 0.01 min
Lab File: VX010910.D
Acq: 16 Jul 2019 16:42

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

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.0	0.0	269.0
98	45.7	0.0	131.4

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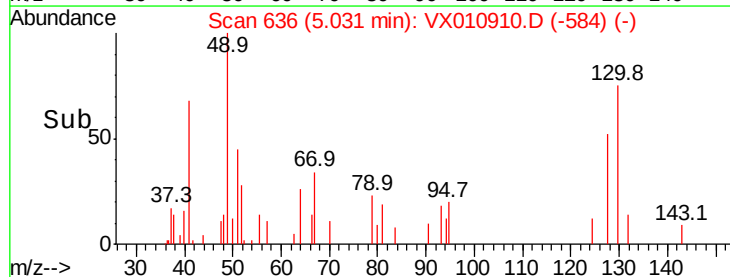
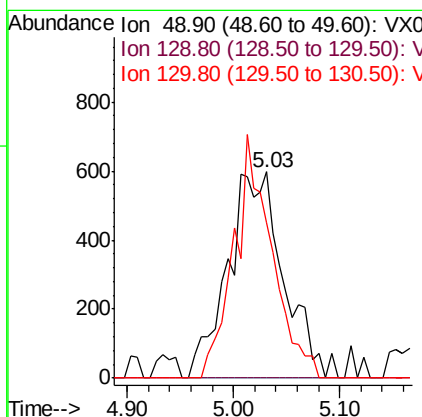
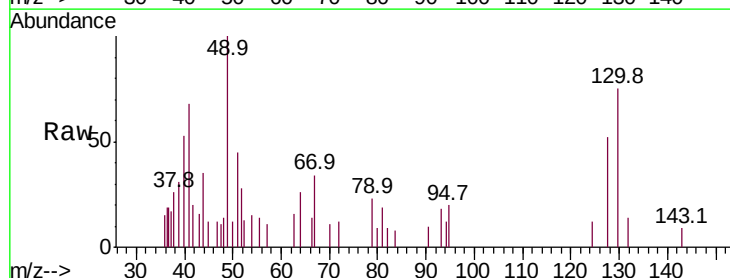
MMDadoda
7/17/2019 10:45:43 AM

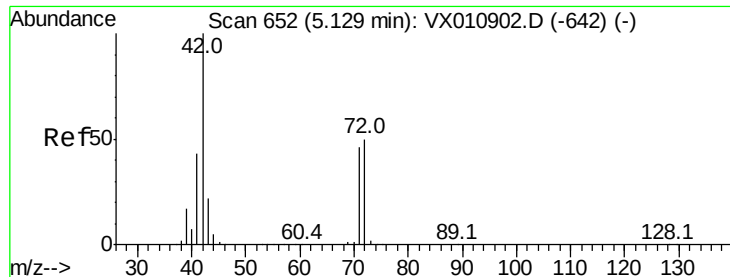


#28

Bromochloromethane
Concen: 1.366 ug/l
RT: 5.03 min Scan# 636
Delta R.T. 0.02 min
Lab File: VX010910.D
Acq: 16 Jul 2019 16:42

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	5.2
130	80.1	76.9	115.3





#29

Tetrahydrofuran

Concen: 5.296 ug/l

RT: 5.15 min Scan# 655

Delta R.T. 0.02 min

Lab File: VX010910.D

Acq: 16 Jul 2019 16:42

Instrument :

MSVOA_X

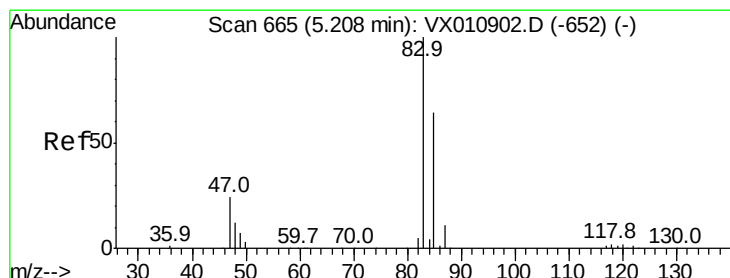
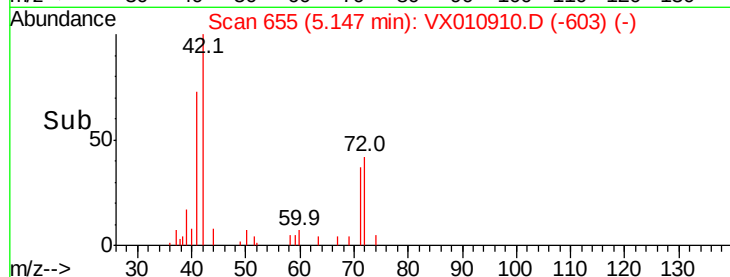
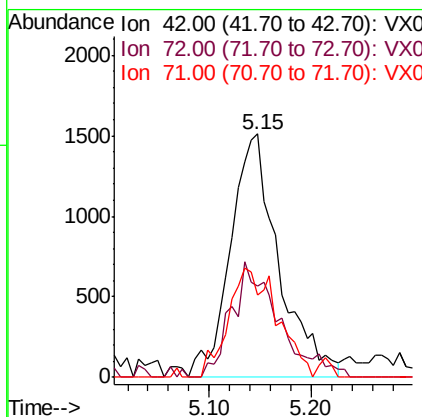
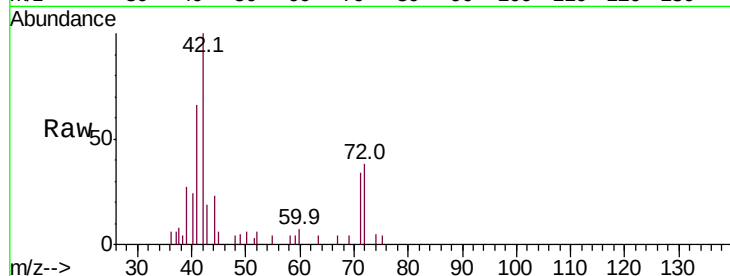
ClientSampleId :

LOQ-WATER-02-QT3-2019

Tot Ion:	42	Resp:	4968
Ion	Ratio	Lower	Upper
42	100		
72	46.9	39.8	59.8
71	45.4	37.0	55.4

Manual Integrations
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#30

Chloroform

Concen: 1.118 ug/l

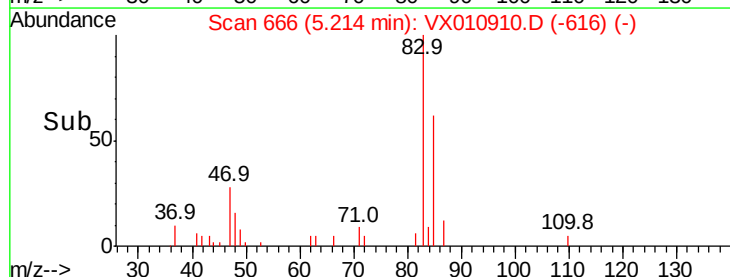
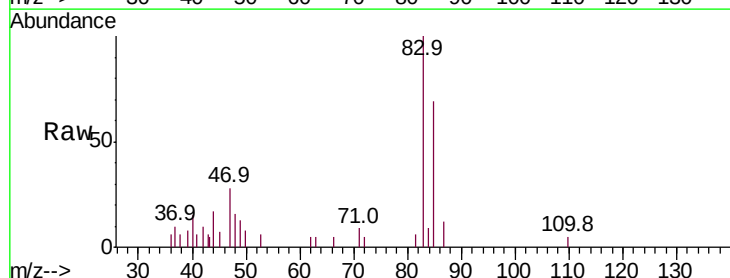
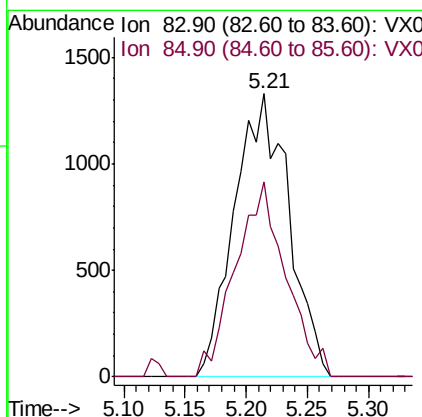
RT: 5.21 min Scan# 666

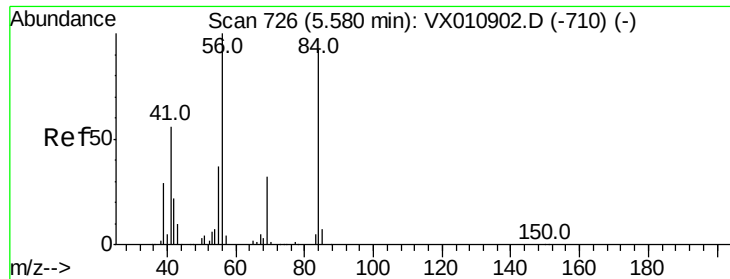
Delta R.T. 0.01 min

Lab File: VX010910.D

Acq: 16 Jul 2019 16:42

Tgt Ion:	83	Resp:	4110
Ion	Ratio	Lower	Upper
83	100		
85	69.0	51.4	77.0





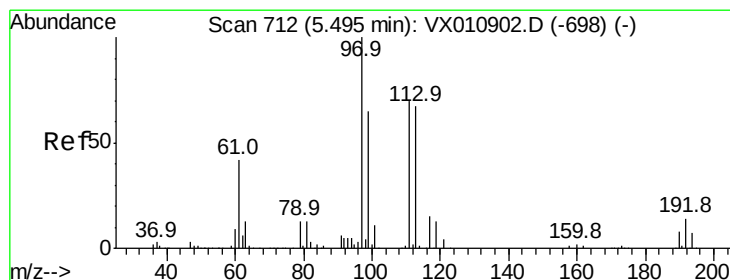
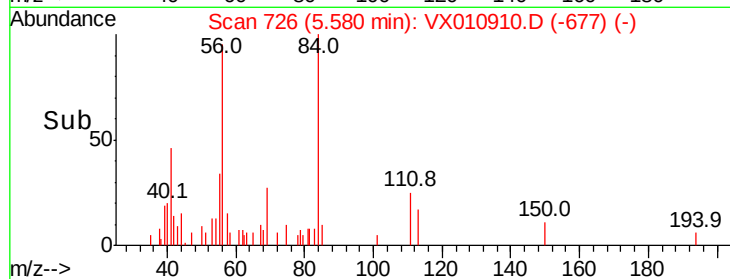
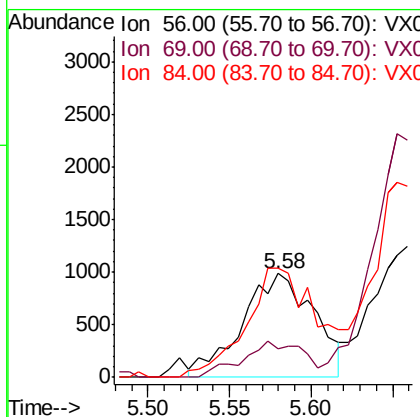
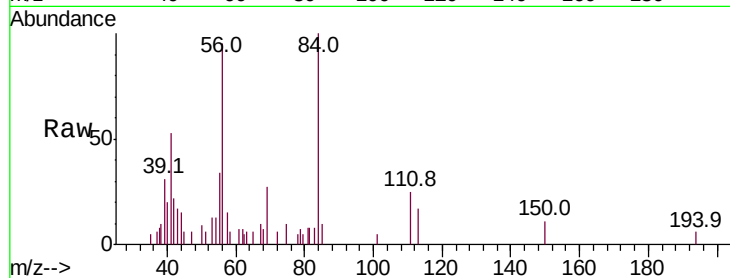
#31
Cyclohexane
Concen: 0.974 ug/l
RT: 5.58 min Scan# 726
Delta R.T. -0.00 min
Lab File: VX010910.D
Acq: 16 Jul 2019 16:42

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

Tot Ion: 56 Resp: 3021
Ion Ratio Lower Upper
56 100
69 30.6 25.8 38.8
84 107.7 73.8 110.6

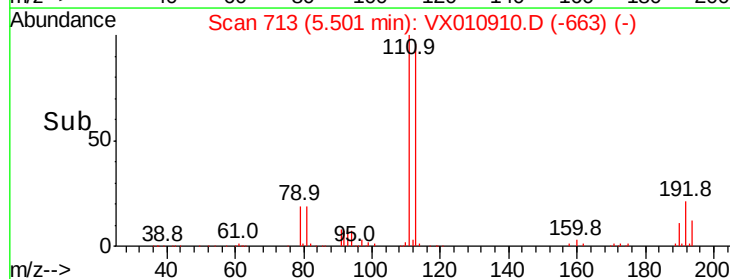
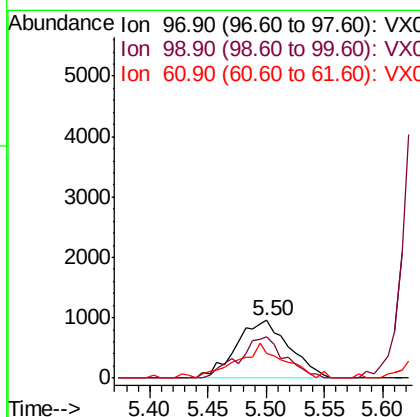
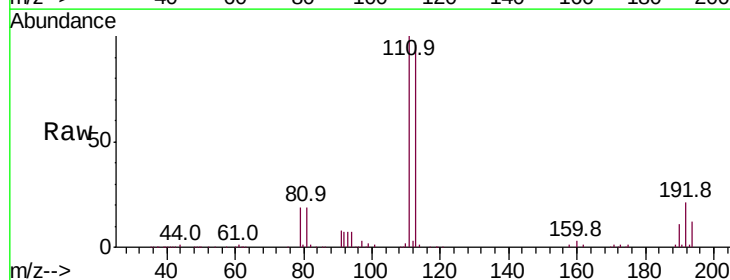
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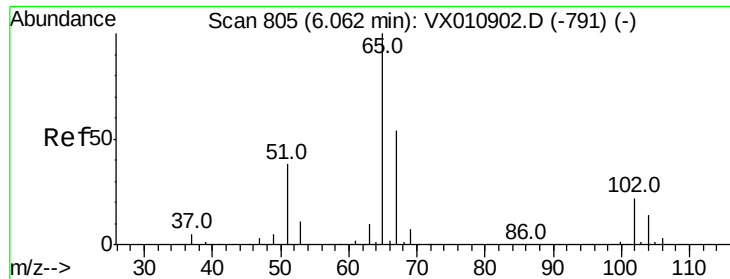
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#32
1,1,1-Trichloroethane
Concen: 0.948 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.01 min
Lab File: VX010910.D
Acq: 16 Jul 2019 16:42

Tgt Ion: 97 Resp: 3015
Ion Ratio Lower Upper
97 100
99 0.0 51.4 77.0#
61 50.0 33.0 49.6#





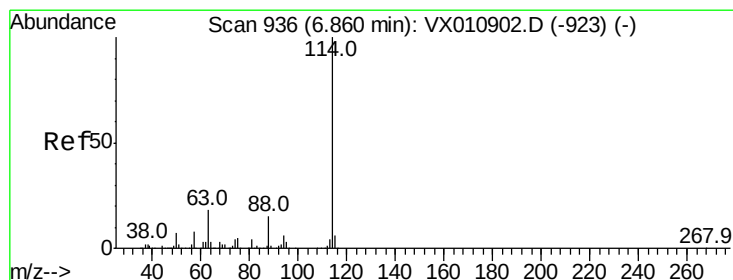
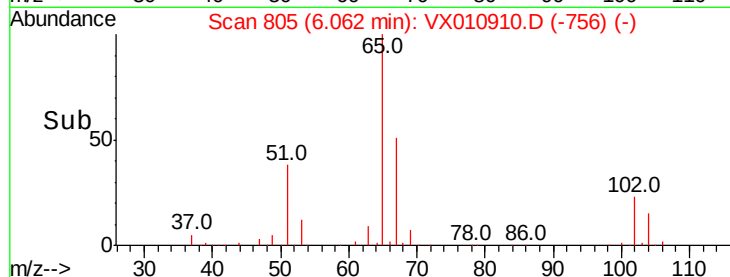
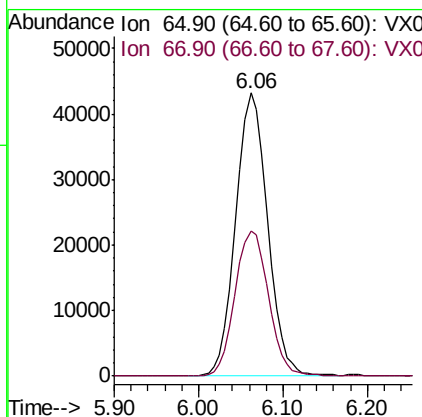
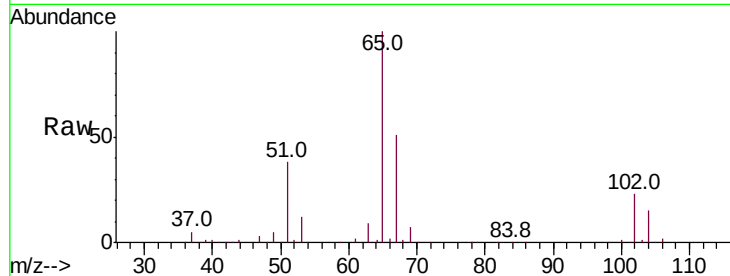
#33
 1,2-Dichloroethane-d4
 Concen: 48.518 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX010910.D
 Acq: 16 Jul 2019 16:42

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

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.0	0.0	107.8

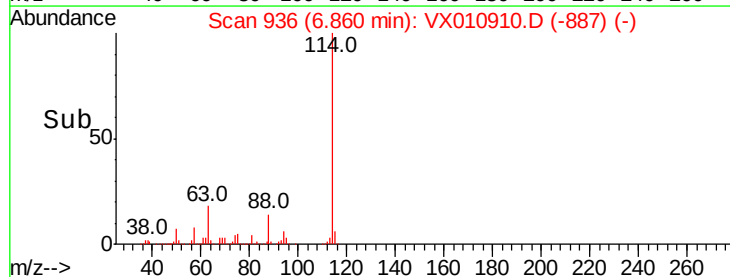
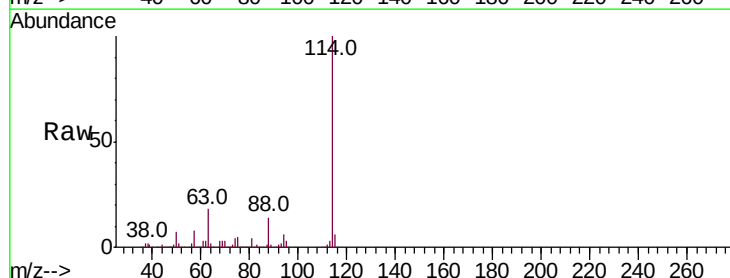
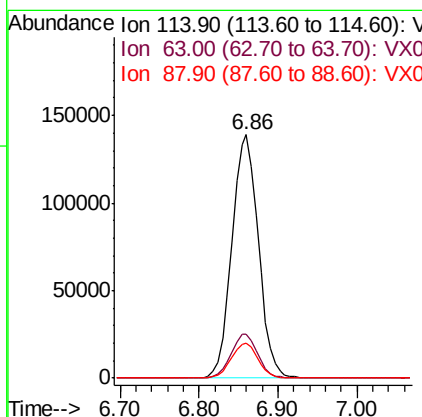
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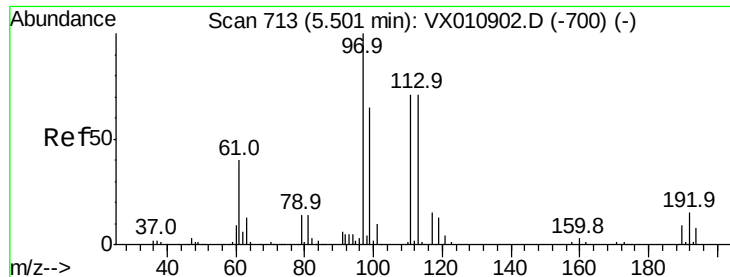
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX010910.D
 Acq: 16 Jul 2019 16:42

Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.9	0.0	35.6
88	14.1	0.0	29.8





#35

Dibromofluoromethane

Concen: 47.006 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX010910.D

Acq: 16 Jul 2019 16:42

Instrument :

MSVOA_X

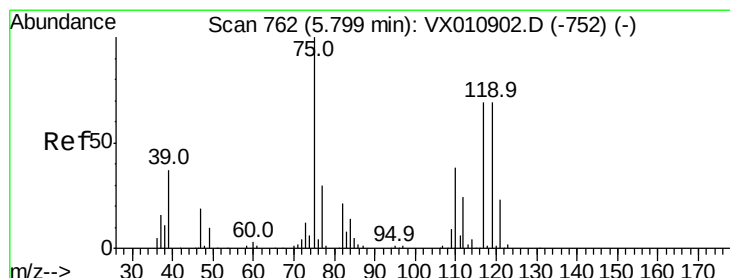
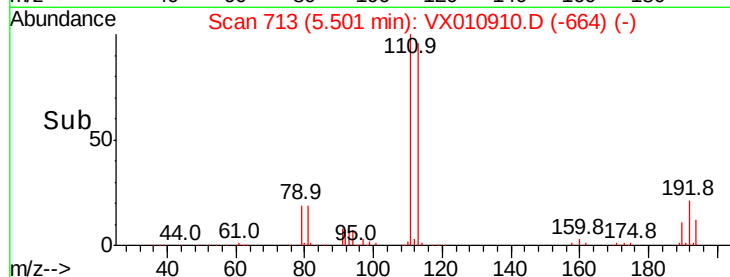
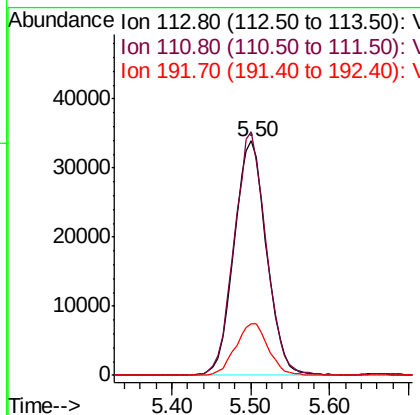
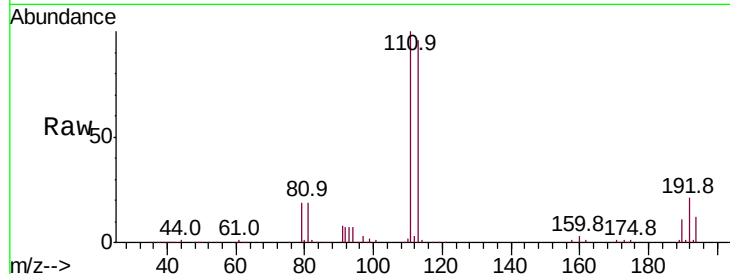
ClientSampleId :

LOQ-WATER-02-QT3-2019

Tot Ion:	113	Resp:	96935
Ion	Ratio	Lower	Upper
113	100		
111	102.2	82.3	123.5
192	22.4	17.4	26.2

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#36

1,1-Dichloropropene

Concen: 1.020 ug/l

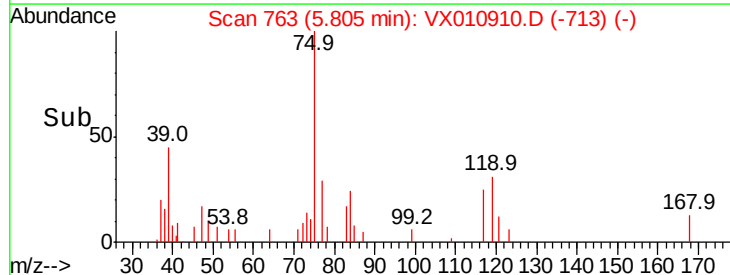
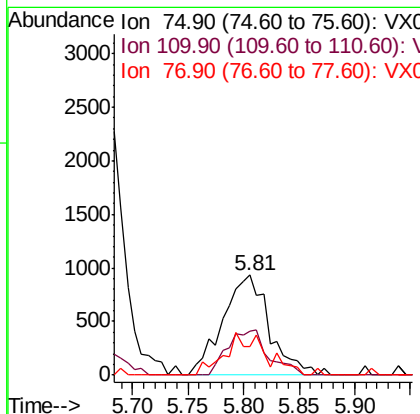
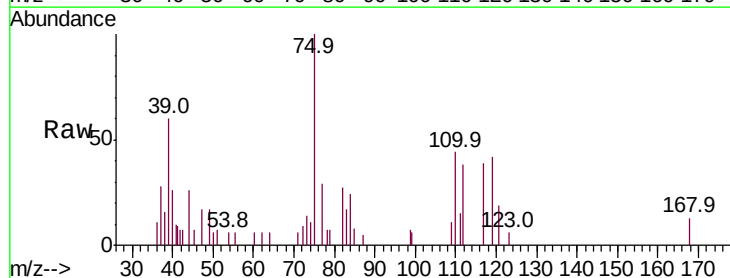
RT: 5.81 min Scan# 763

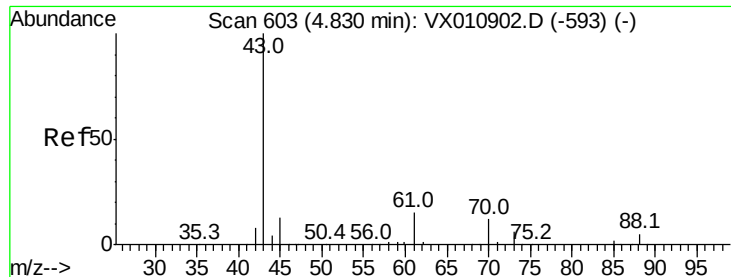
Delta R.T. 0.01 min

Lab File: VX010910.D

Acq: 16 Jul 2019 16:42

Tgt Ion:	75	Resp:	2721
Ion	Ratio	Lower	Upper
75	100		
110	39.2	19.9	59.7
77	30.5	25.0	37.4





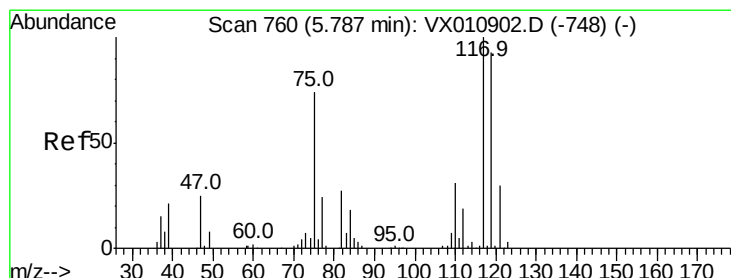
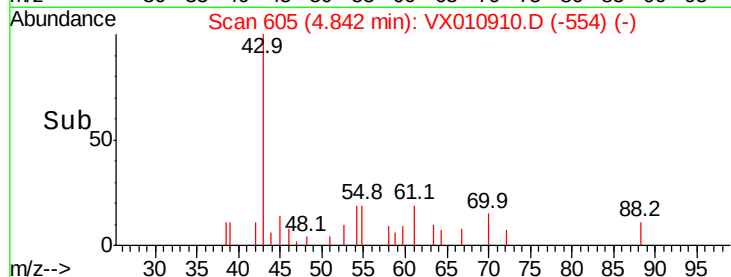
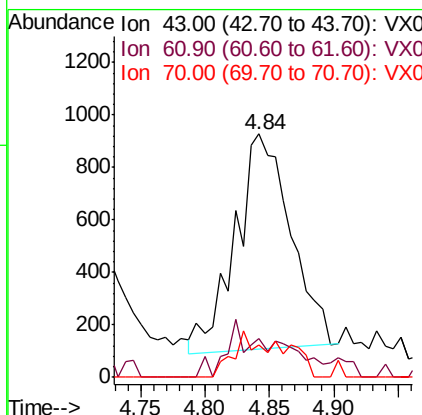
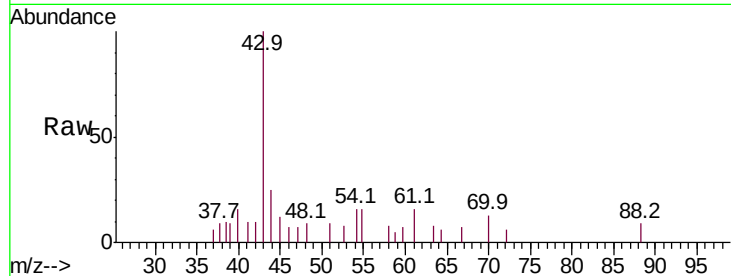
#37
Ethyl Acetate
Concen: 0.892 ug/l
RT: 4.84 min Scan# 605
Delta R.T. 0.01 min
Lab File: VX010910.D
Acq: 16 Jul 2019 16:42

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

Tot Ion	Ratio	Lower	Upper
43	100		
61	10.3	11.6	17.4#
70	10.6	9.1	13.7

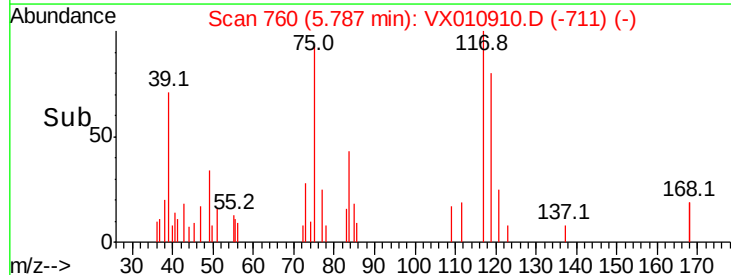
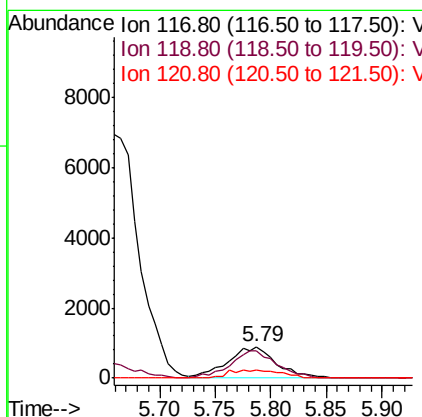
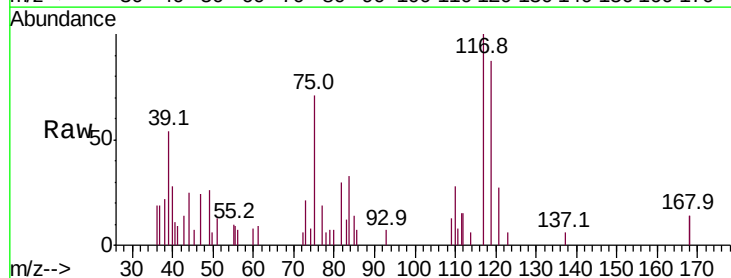
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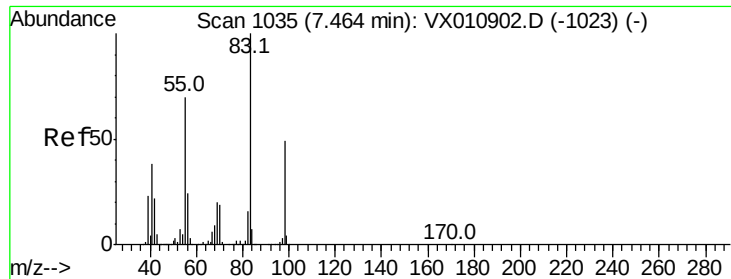
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#38
Carbon Tetrachloride
Concen: 0.972 ug/l
RT: 5.79 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX010910.D
Acq: 16 Jul 2019 16:42

Tgt Ion	Ratio	Lower	Upper
117	100		
119	86.6	74.2	111.2
121	27.2	24.2	36.2





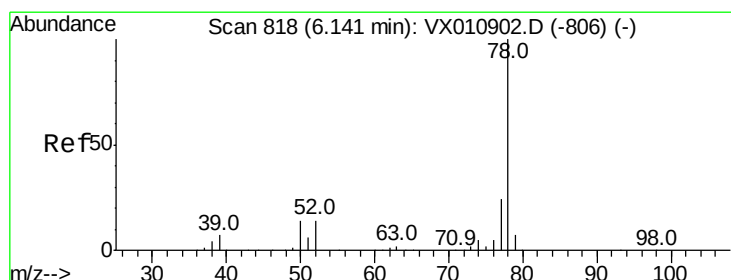
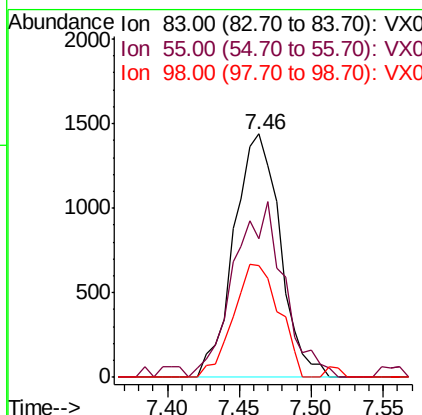
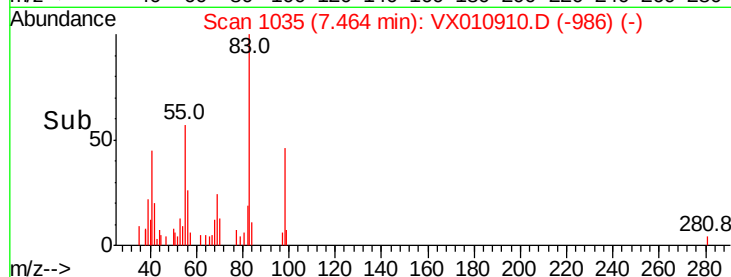
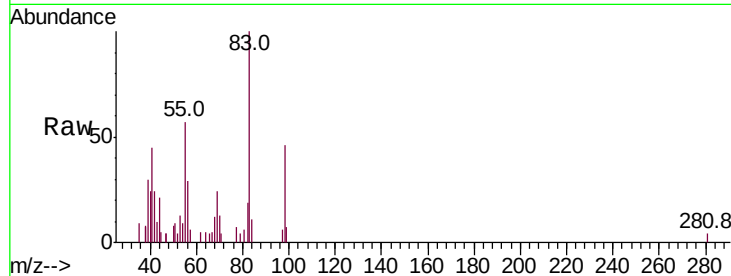
#39
Methylvlcyclohexane
Concen: 0.927 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX010910.D
Acq: 16 Jul 2019 16:42

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

Tot Ion	83	Resp	3208
Ion	Ratio	Lower	Upper
83	100		
55	56.7	56.2	84.4
98	46.0	39.0	58.4

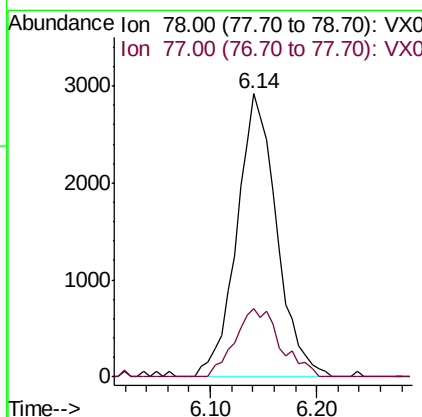
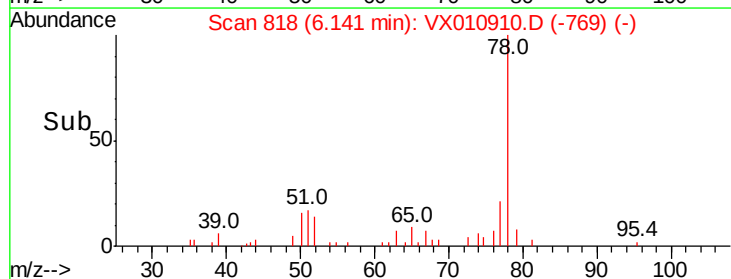
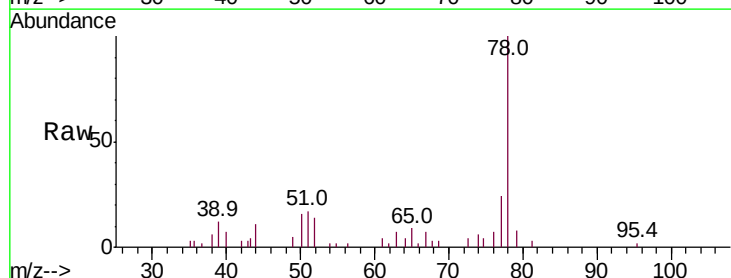
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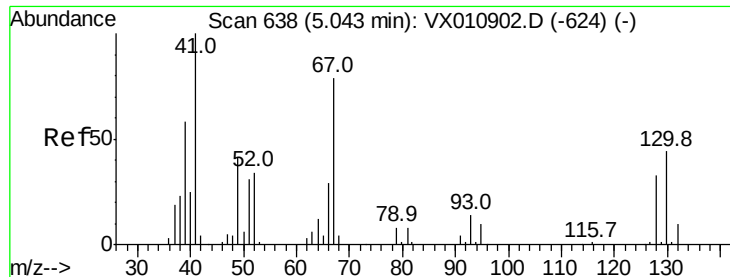
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#40
Benzene
Concen: 0.937 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX010910.D
Acq: 16 Jul 2019 16:42

Tgt Ion	78	Resp	7656
Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.0	28.6





#41

Methacrylonitrile

Concen: 1.028 ug/l m

RT: 5.05 min Scan# 639

Delta R.T. 0.01 min

Lab File: VX010910.D

Acq: 16 Jul 2019 16:42

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT3-2019

Tot Ion: 41 Resp: 1595

Ion Ratio Lower Upper

41 100

39 7.8 45.4 68.2#

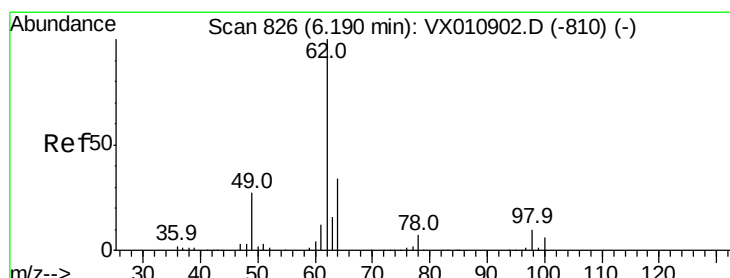
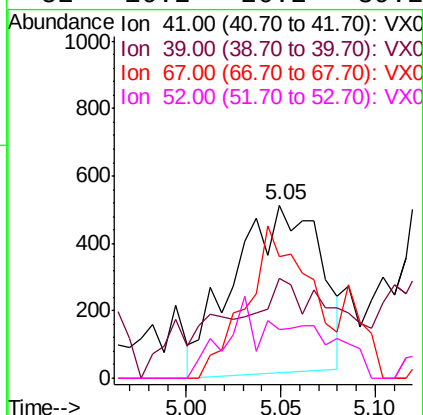
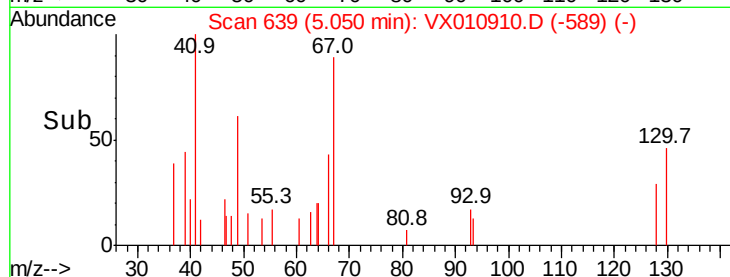
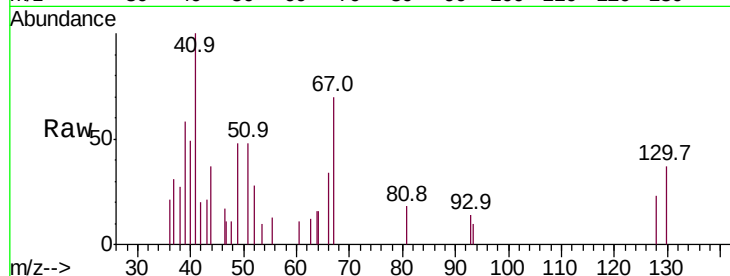
67 66.1 65.9 98.9

52 16.2 26.2 39.2#

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 1.057 ug/l

RT: 6.20 min Scan# 828

Delta R.T. 0.01 min

Lab File: VX010910.D

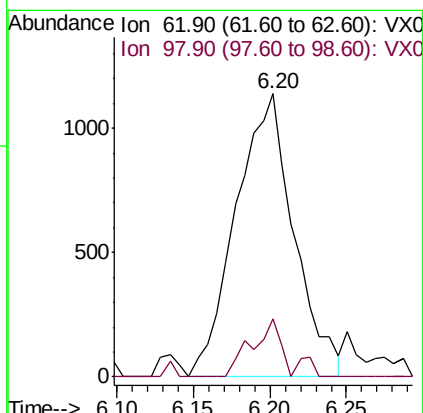
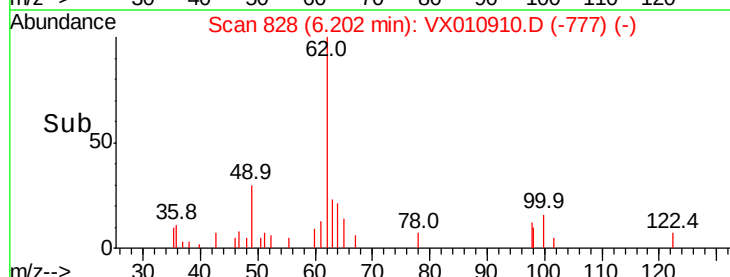
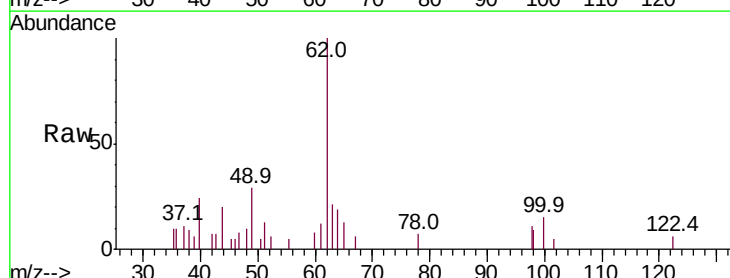
Acq: 16 Jul 2019 16:42

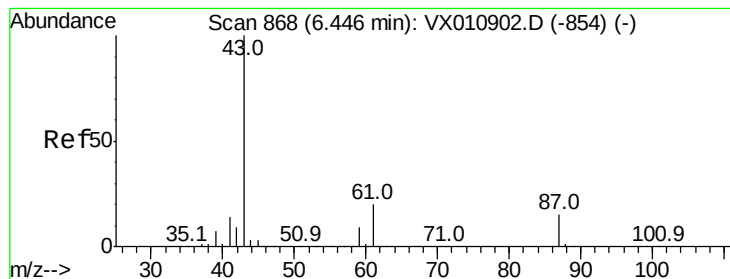
Tgt Ion: 62 Resp: 3003

Ion Ratio Lower Upper

62 100

98 10.3 0.0 20.0





#43

Isopropyl Acetate

Concen: 0.989 ug/l

RT: 6.44 min Scan# 867

Delta R.T. -0.01 min

Lab File: VX010910.D

Acq: 16 Jul 2019 16:42

Instrument :

MSVOA_X

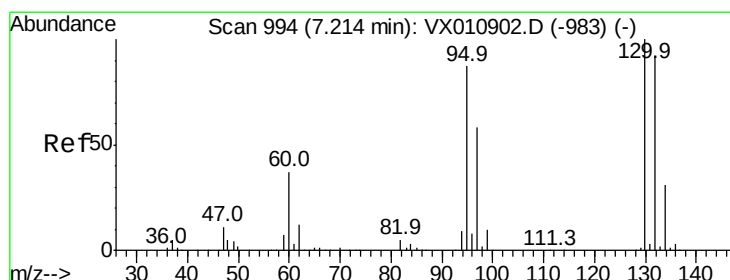
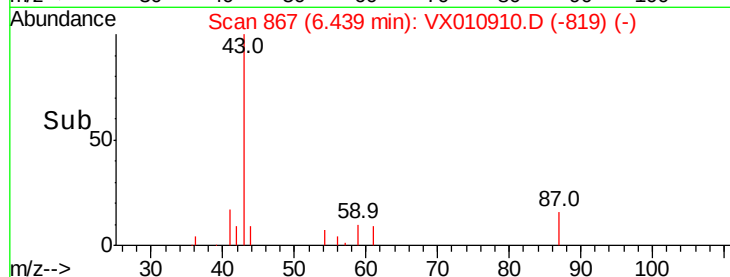
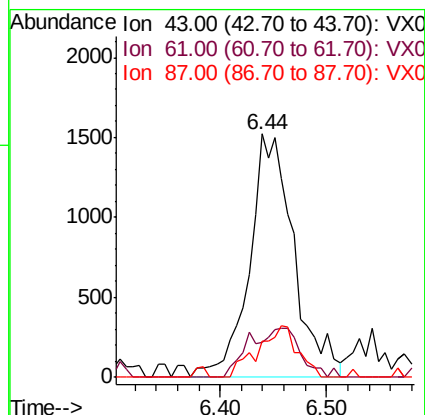
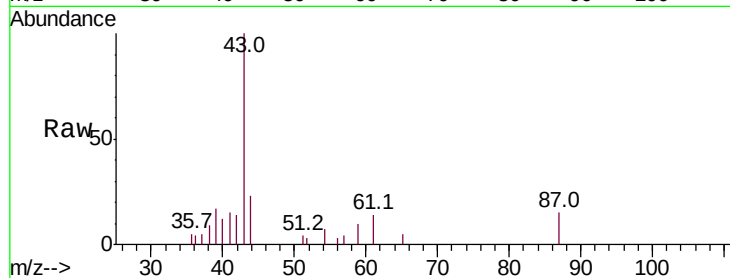
ClientSampleId :

LOQ-WATER-02-QT3-2019

Tot Ion:	43	Resp:	4442
Ion	Ratio	Lower	Upper
43	100		
61	6.8	17.1	25.7#
87	0.0	12.0	18.0#

Manual Integrations
APPROVED

MMDadoda
7/17/2019 10:45:43 AM



#44

Trichloroethene

Concen: 1.011 ug/l

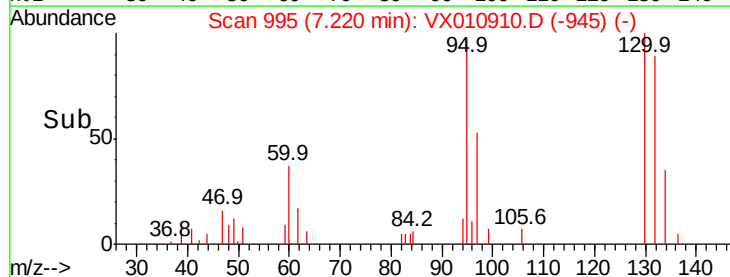
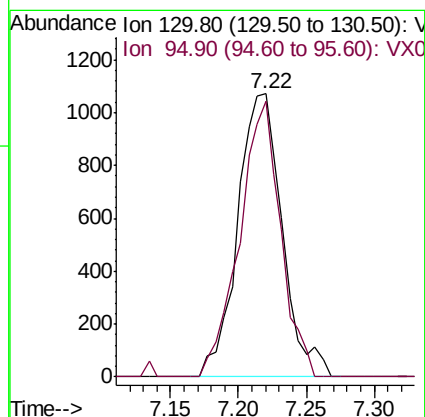
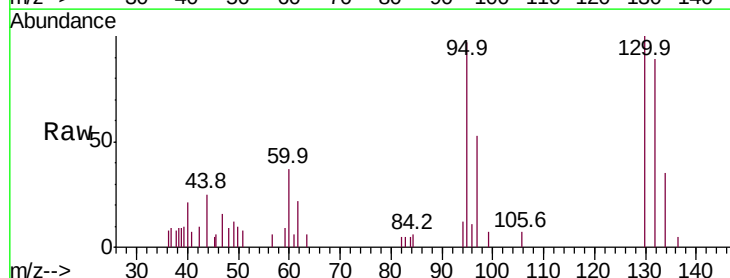
RT: 7.22 min Scan# 995

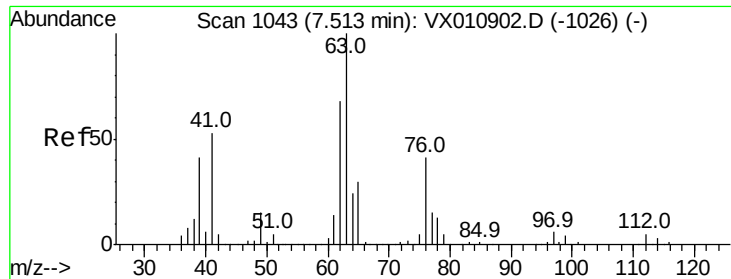
Delta R.T. 0.01 min

Lab File: VX010910.D

Acq: 16 Jul 2019 16:42

Tgt Ion:	130	Resp:	2447
Ion	Ratio	Lower	Upper
130	100		
95	97.5	0.0	174.8





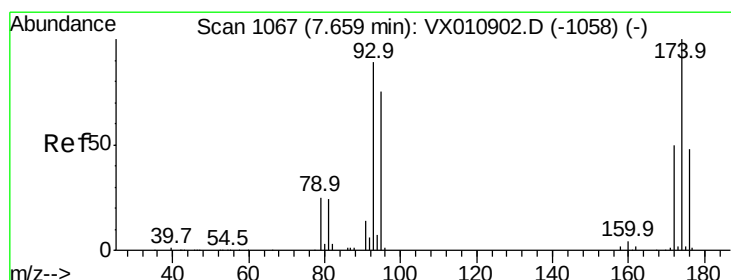
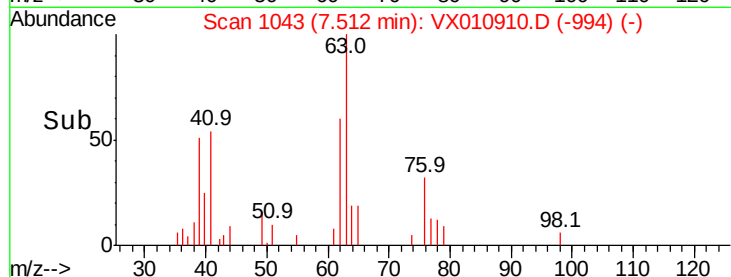
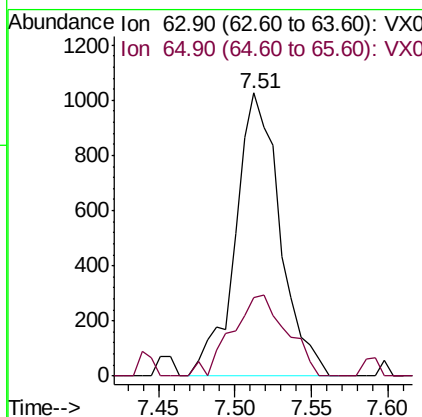
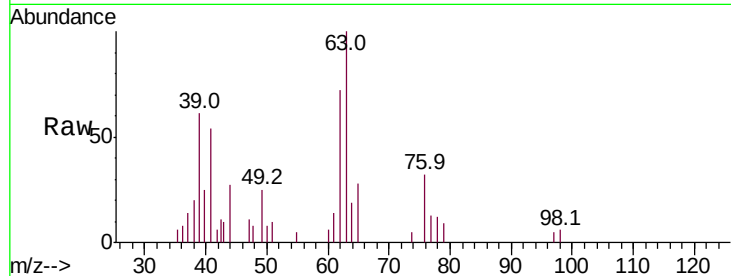
#45
 1,2-Dichloropropane
 Concen: 1.004 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX010910.D
 Acq: 16 Jul 2019 16:42

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

Tot Ion: 63 Resp: 2088
 Ion Ratio Lower Upper
 63 100
 65 27.6 24.4 36.6

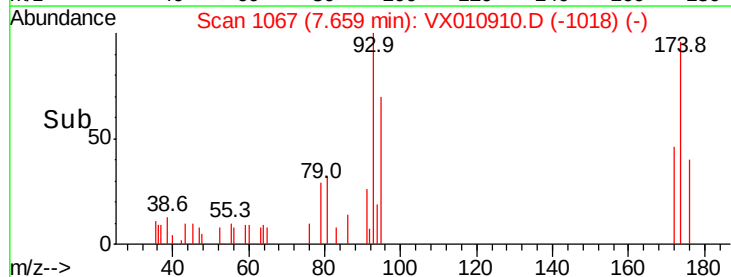
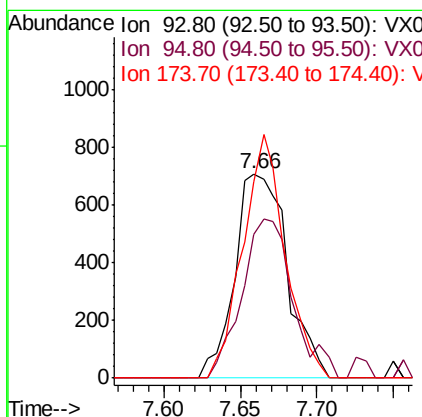
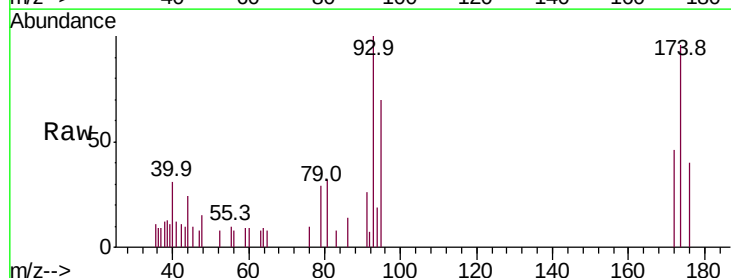
Manual Integrations
 APPROVED

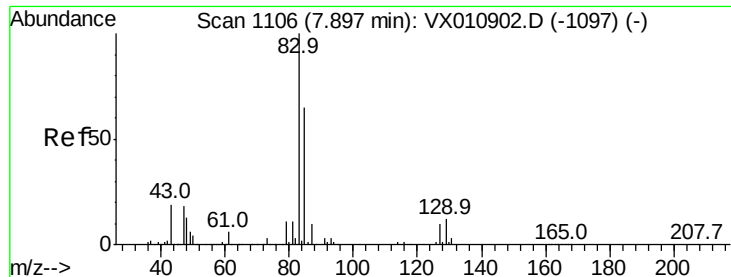
MMDadoda
 7/17/2019 10:45:43 AM



#46
 Dibromomethane
 Concen: 1.137 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX010910.D
 Acq: 16 Jul 2019 16:42

Tgt Ion: 93 Resp: 1690
 Ion Ratio Lower Upper
 93 100
 95 75.7 67.2 100.8
 174 96.2 90.6 135.8





#47

Bromodichloromethane

Concen: 0.838 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX010910.D

Acq: 16 Jul 2019 16:42

Instrument :

MSVOA_X

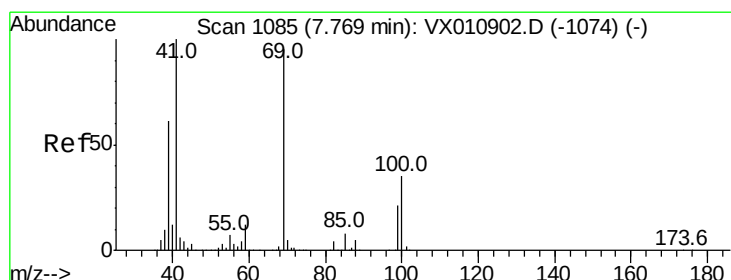
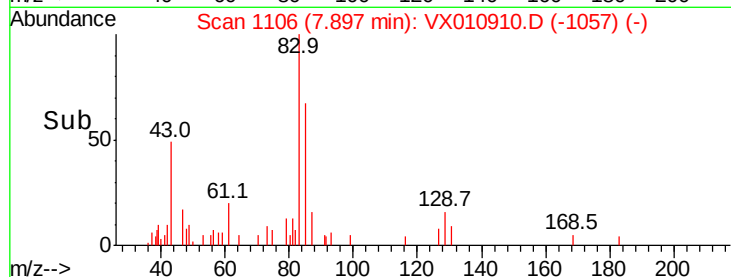
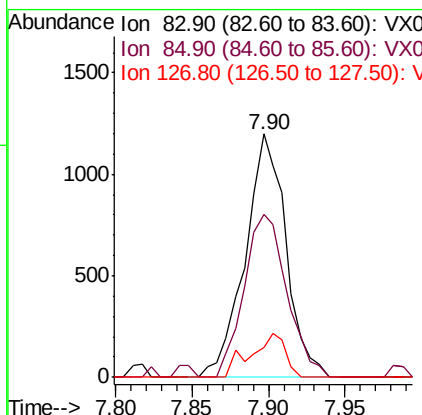
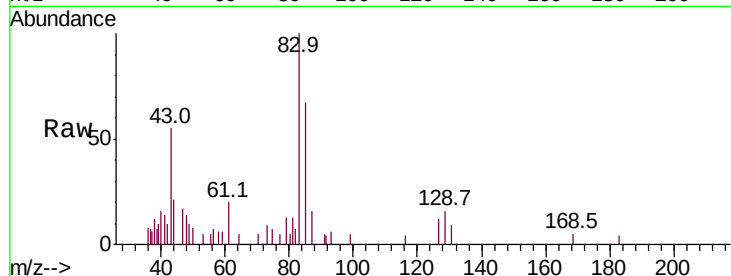
ClientSampleId :

LOQ-WATER-02-QT3-2019

Tot Ion:	83	Resp:	2219
Ion	Ratio	Lower	Upper
83	100		
85	66.7	52.5	78.7
127	12.3	7.8	11.8#

Manual Integrations
APPROVED

MMDadoda
7/17/2019 10:45:43 AM



#48

Methyl methacrylate

Concen: 0.820 ug/l

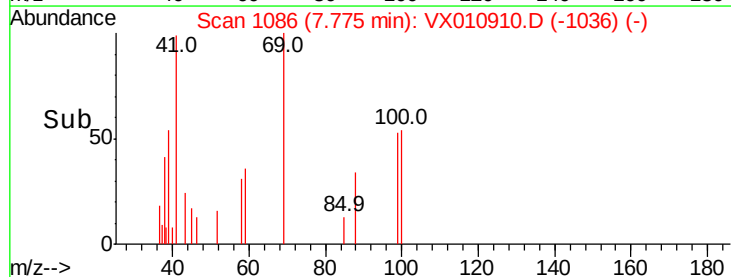
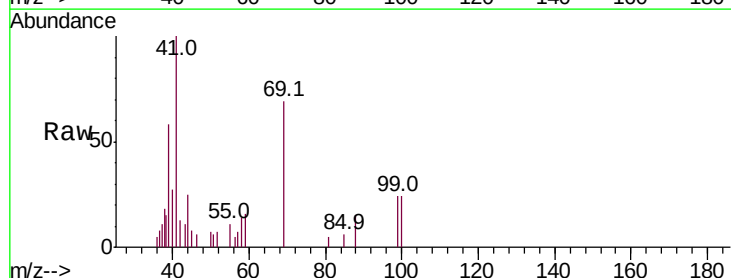
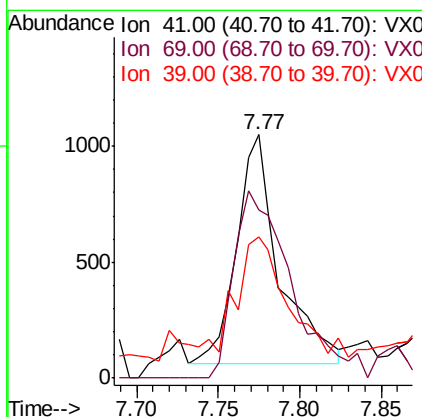
RT: 7.77 min Scan# 1086

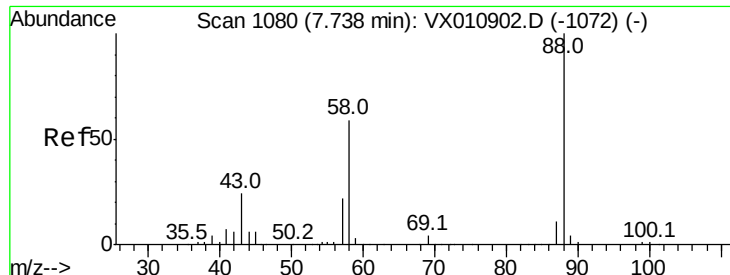
Delta R.T. 0.01 min

Lab File: VX010910.D

Acq: 16 Jul 2019 16:42

Tgt Ion:	41	Resp:	1794
Ion	Ratio	Lower	Upper
41	100		
69	110.1	74.4	111.6
39	59.5	48.9	73.3





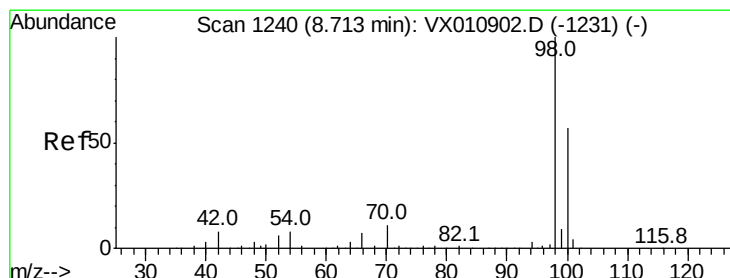
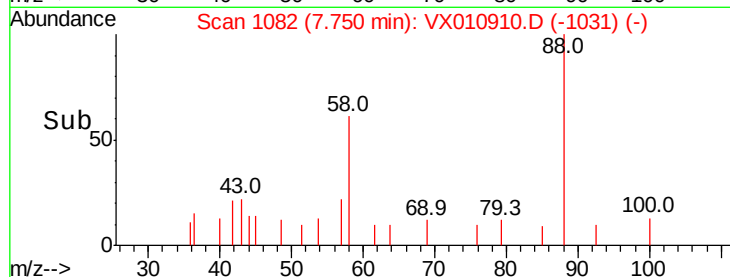
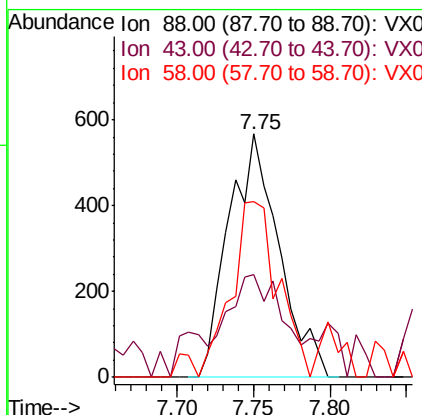
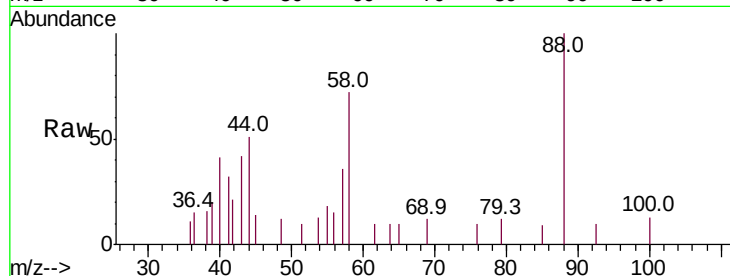
#49
 1,4-Dioxane
 Concen: 21.166 ug/l
 RT: 7.75 min Scan# 1082
 Delta R.T. 0.01 min
 Lab File: VX010910.D
 Acq: 16 Jul 2019 16:42

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

Tot Ion	Ratio	Lower	Upper
88	100		
43	45.4	22.9	34.3#
58	67.0	49.8	74.8

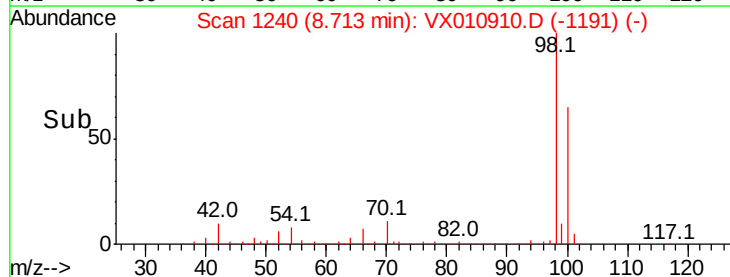
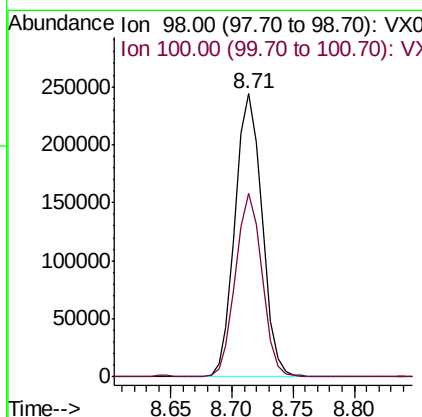
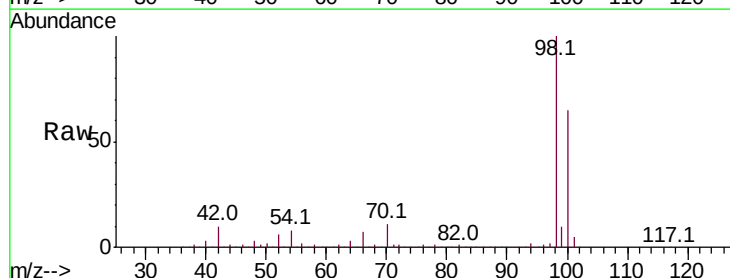
Manual Integrations
 APPROVED

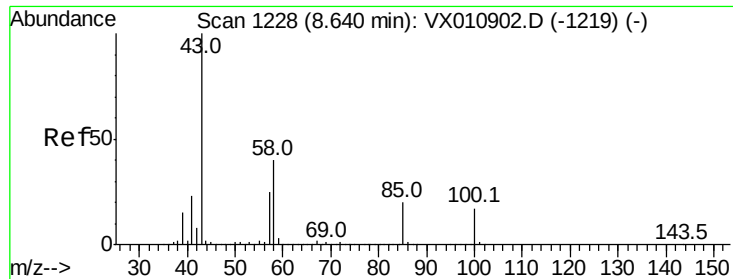
MMDadoda
 7/17/2019 10:45:43 AM



#50
 Toluene-d8
 Concen: 48.179 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. -0.00 min
 Lab File: VX010910.D
 Acq: 16 Jul 2019 16:42

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.8	50.6	75.8





#51

4-Methyl-2-Pentanone

Concen: 4.424 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX010910.D

Acq: 16 Jul 2019 16:42

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT3-2019

Tot Ion: 43 Resp: 12886

Ion Ratio Lower Upper

43 100

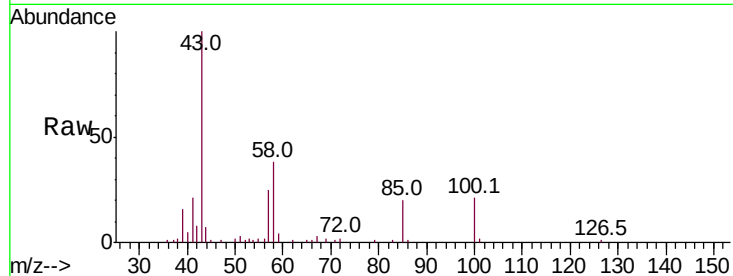
58 39.9 32.2 48.4

Manual Integrations

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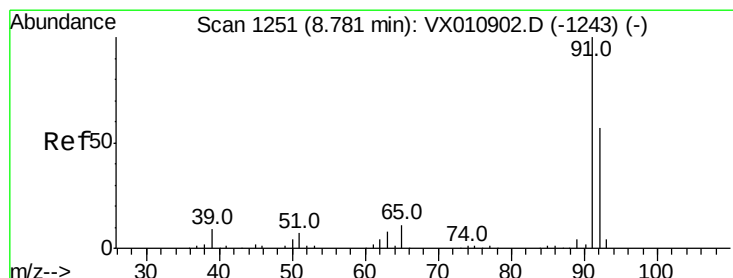
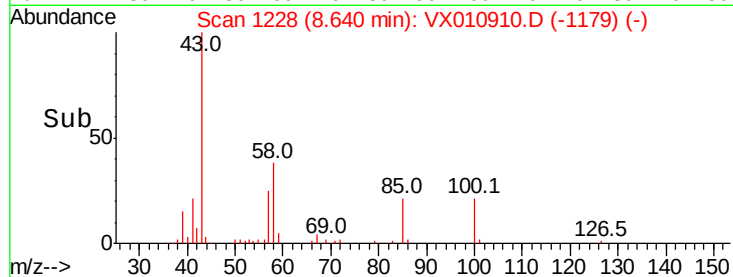
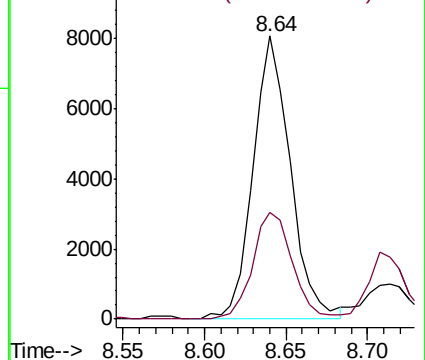
MMDadoda

7/17/2019 10:45:43 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 0.969 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.01 min

Lab File: VX010910.D

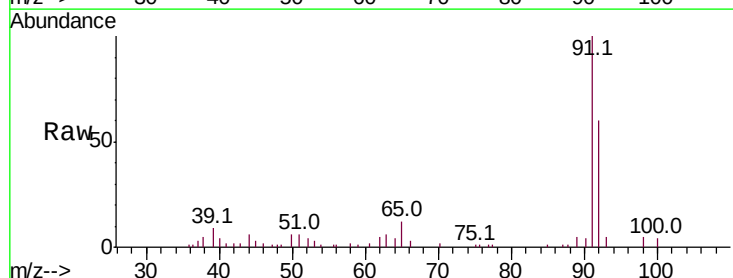
Acq: 16 Jul 2019 16:42

Tgt Ion: 92 Resp: 5205

Ion Ratio Lower Upper

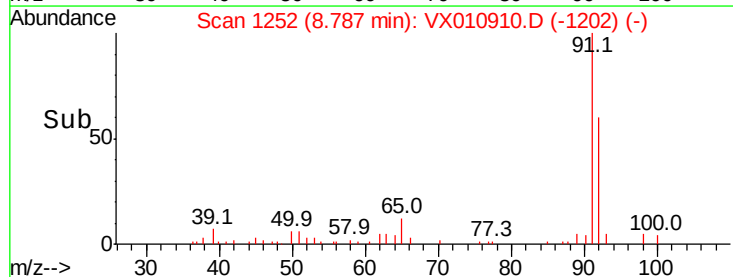
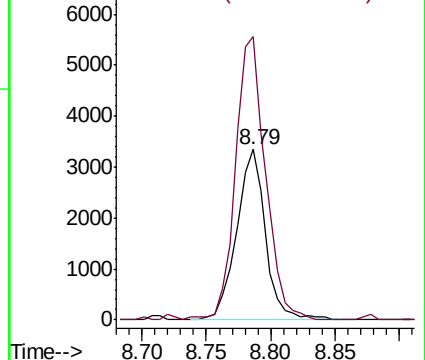
92 100

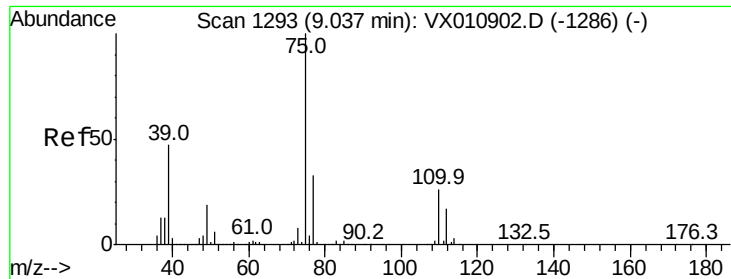
91 173.0 139.4 209.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





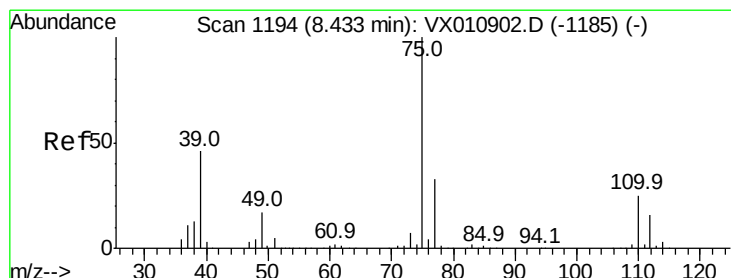
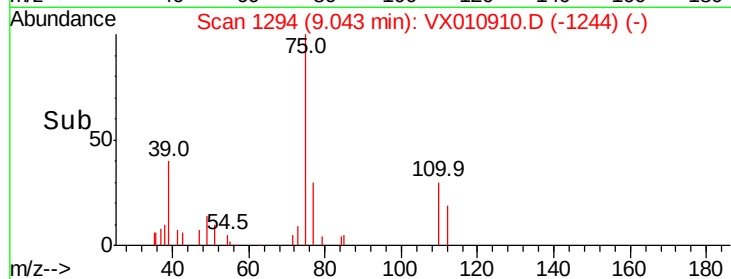
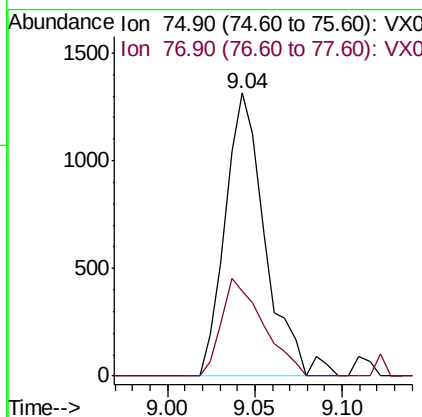
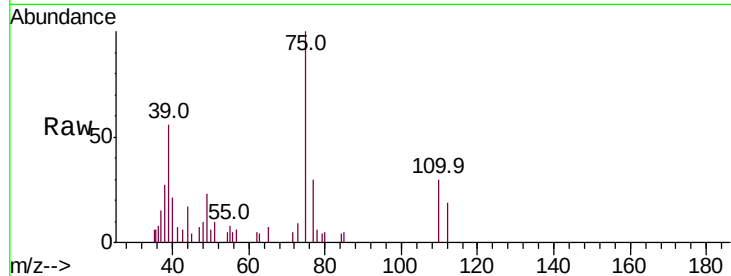
#53
t-1,3-Dichloropropene
Concen: 0.737 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.01 min
Lab File: VX010910.D
Acq: 16 Jul 2019 16:42

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

Tot Ion: 75 Resp: 2097
Ion Ratio Lower Upper
75 100
77 30.2 26.2 39.2

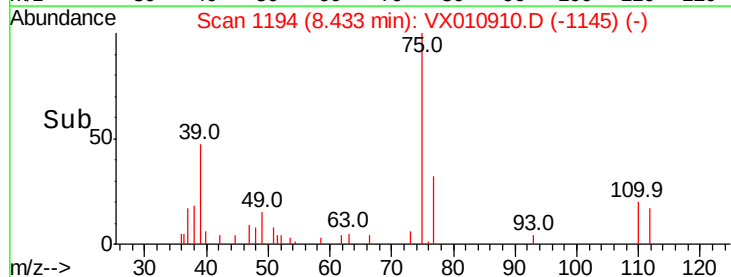
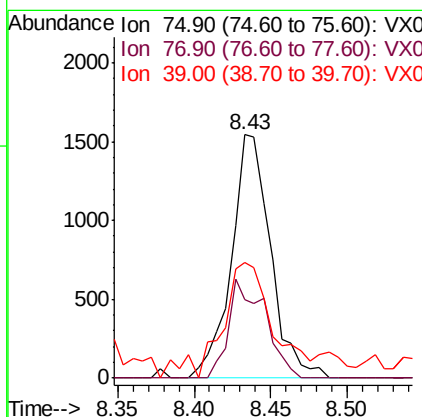
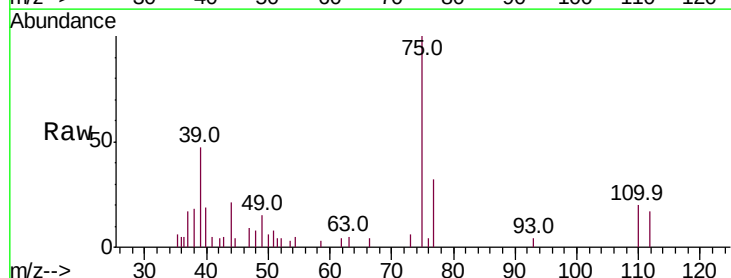
Manual Integrations
APPROVED

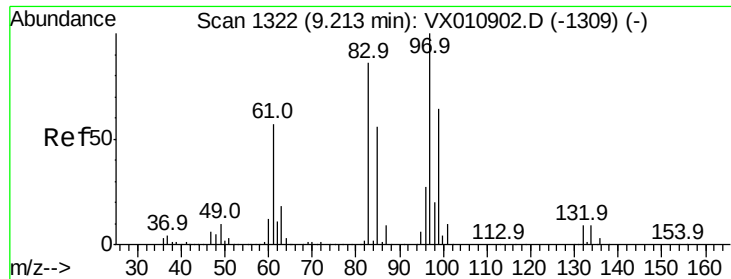
MMDadoda
7/17/2019 10:45:43 AM



#54
cis-1,3-Dichloropropene
Concen: 0.869 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX010910.D
Acq: 16 Jul 2019 16:42

Tgt Ion: 75 Resp: 2752
Ion Ratio Lower Upper
75 100
77 32.1 26.1 39.1
39 38.9 36.6 54.8





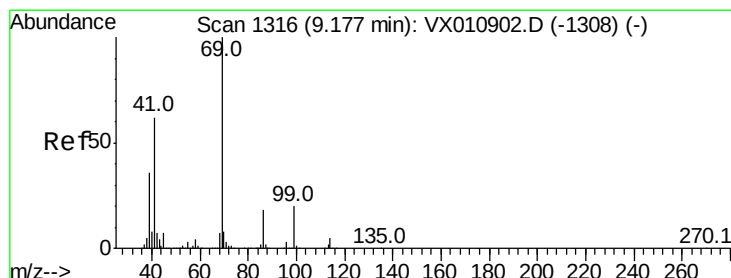
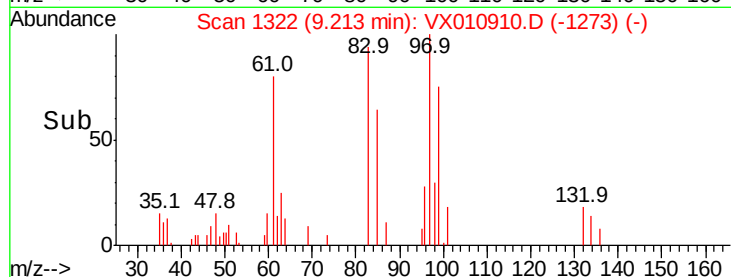
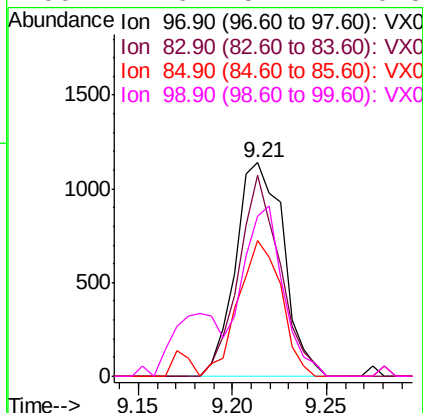
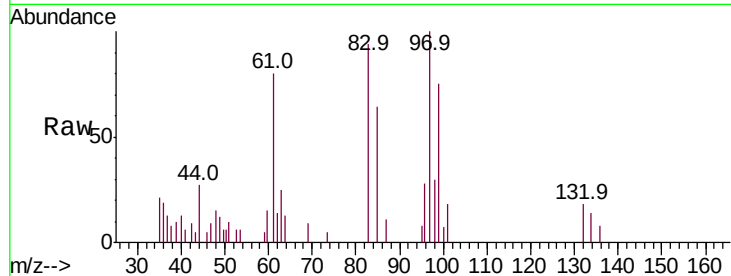
#55
1,1,2-Trichloroethane
Concen: 0.909 ug/l
RT: 9.21 min Scan# 1322
Delta R.T. -0.00 min
Lab File: VX010910.D
Acq: 16 Jul 2019 16:42

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

Tot Ion:	97	Resp:	2010
Ion	Ratio	Lower	Upper
97	100		
83	94.2	69.2	103.8
85	63.6	44.6	66.8
99	74.6	51.2	76.8

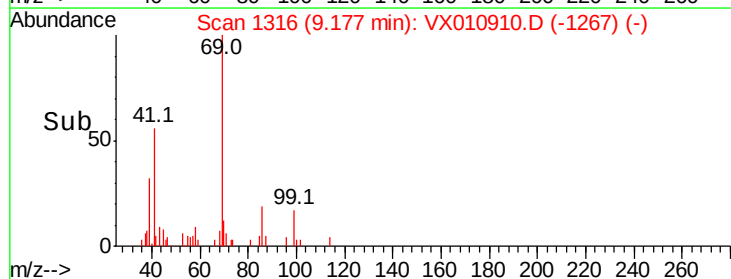
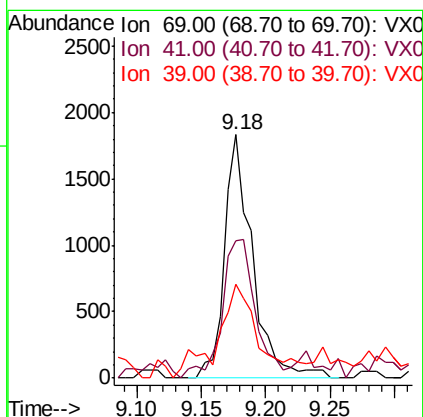
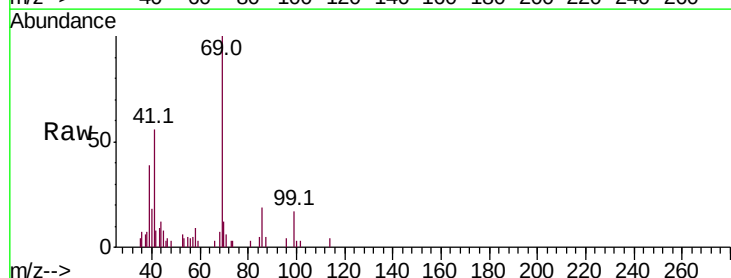
Manual Integrations
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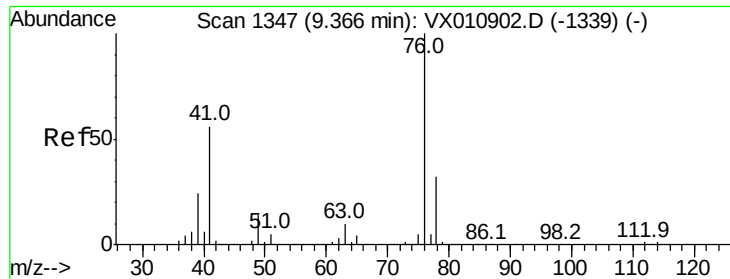
MMDadoda
7/17/2019 10:45:43 AM



#56
Ethyl methacrylate
Concen: 0.862 ug/l
RT: 9.18 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VX010910.D
Acq: 16 Jul 2019 16:42

Tgt Ion:	69	Resp:	2789
Ion	Ratio	Lower	Upper
69	100		
41	67.7	49.7	74.5
39	58.5	29.6	44.4#





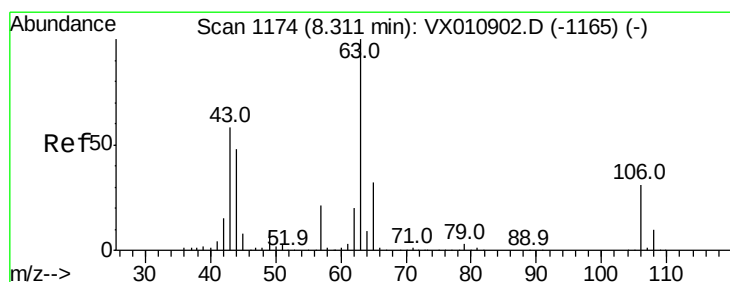
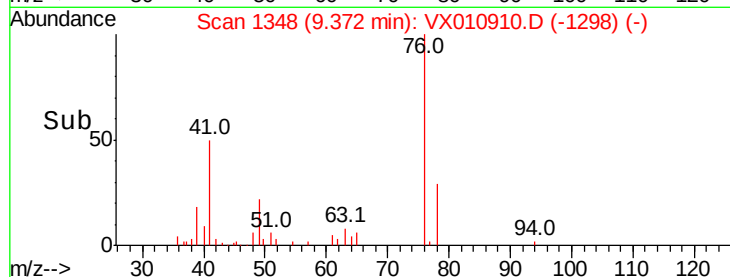
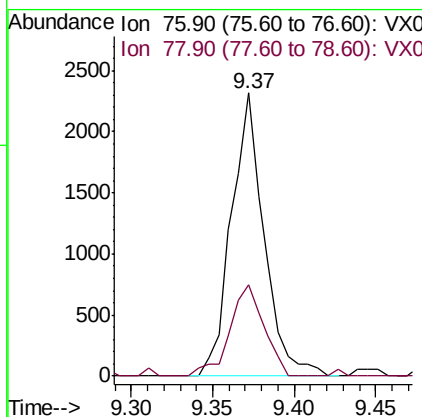
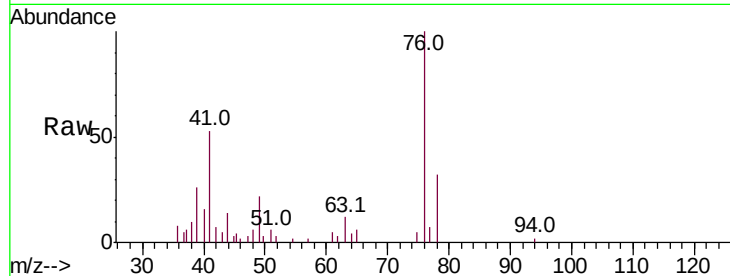
#57
 1,3-Dichloropropane
 Concen: 0.923 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.01 min
 Lab File: VX010910.D
 Acq: 16 Jul 2019 16:42

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

Tot Ion: 76 Resp: 3236
 Ion Ratio Lower Upper
 76 100
 78 33.7 25.6 38.4

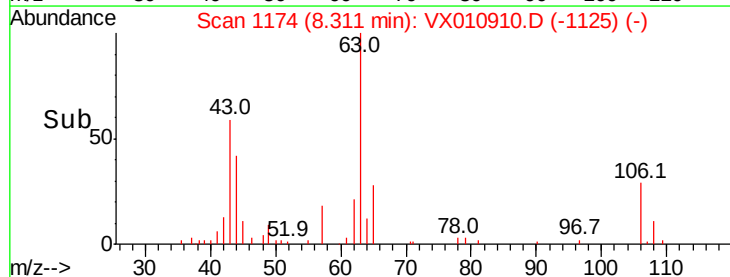
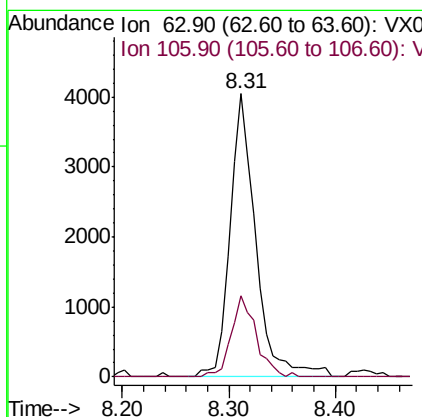
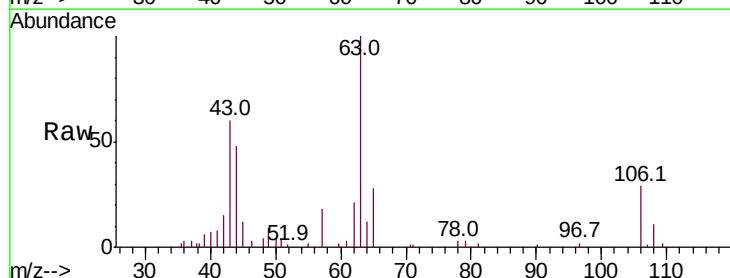
Manual Integrations
 APPROVED

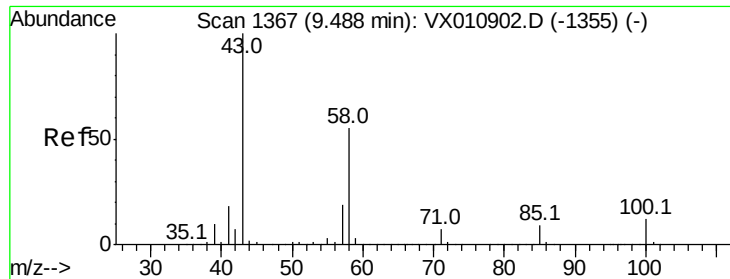
MMDadoda
 7/17/2019 10:45:43 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 4.447 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: VX010910.D
 Acq: 16 Jul 2019 16:42

Tgt Ion: 63 Resp: 6866
 Ion Ratio Lower Upper
 63 100
 106 27.9 24.0 36.0





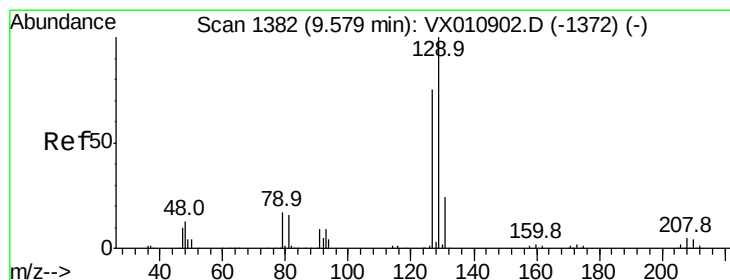
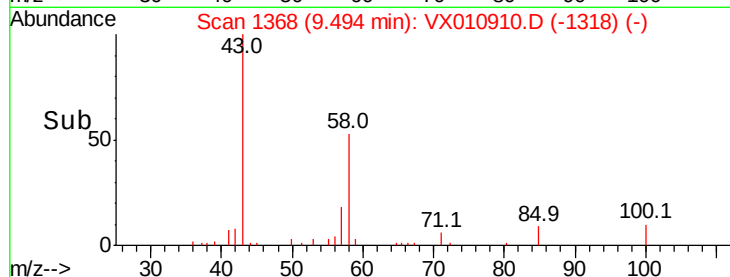
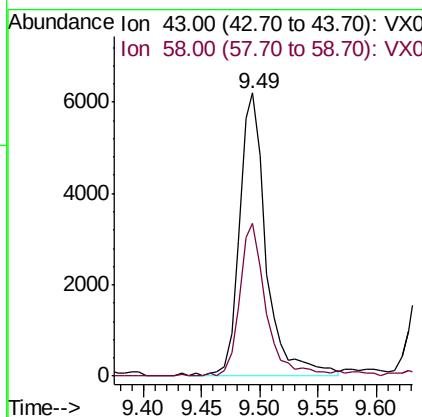
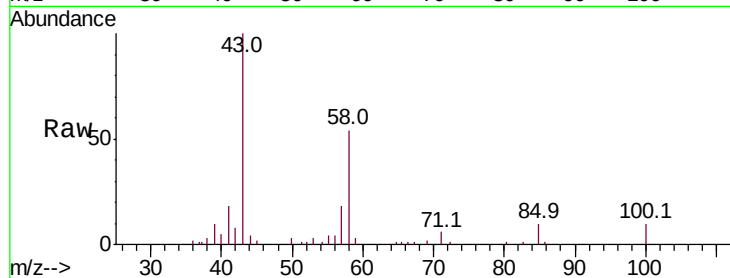
#59
2-Hexanone
Concen: 4.397 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.01 min
Lab File: VX010910.D
Acq: 16 Jul 2019 16:42

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

Tot Ion: 43 Resp: 9934
Ion Ratio Lower Upper
43 100
58 53.2 28.0 83.9

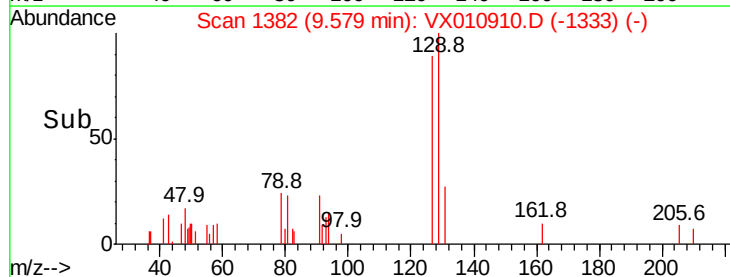
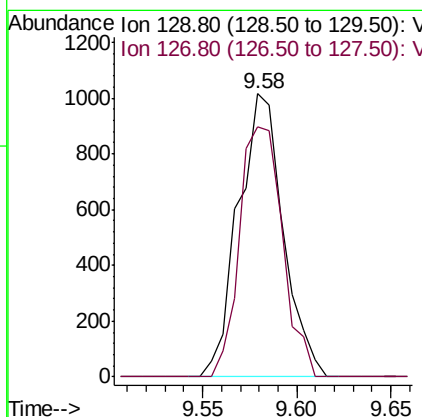
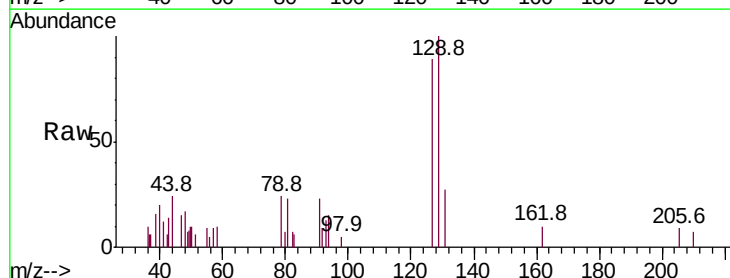
Manual Integrations
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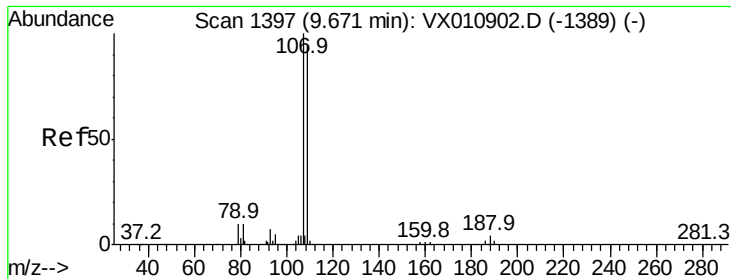
MMDadoda
7/17/2019 10:45:43 AM



#60
Dibromochloromethane
Concen: 0.751 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX010910.D
Acq: 16 Jul 2019 16:42

Tgt Ion: 129 Resp: 1681
Ion Ratio Lower Upper
129 100
127 84.4 38.6 115.8





#61

1,2-Dibromoethane

Concen: 0.902 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX010910.D

Acq: 16 Jul 2019 16:42

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT3-2019

Tot Ion:107 Resp: 2116

Ion Ratio Lower Upper

107 100

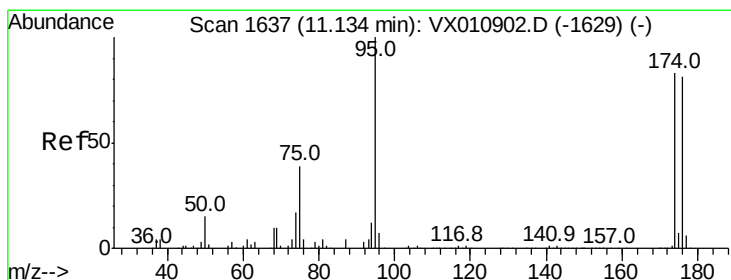
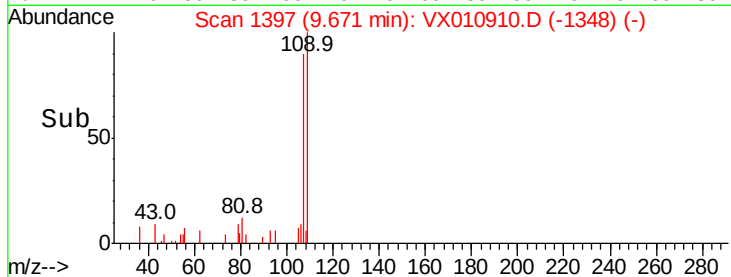
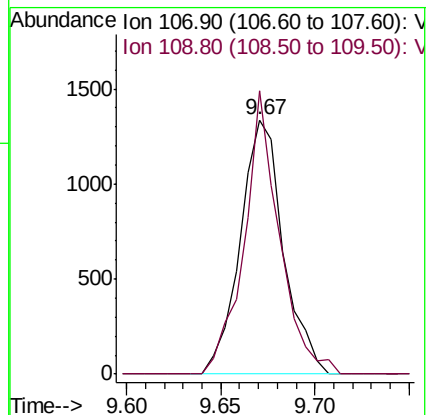
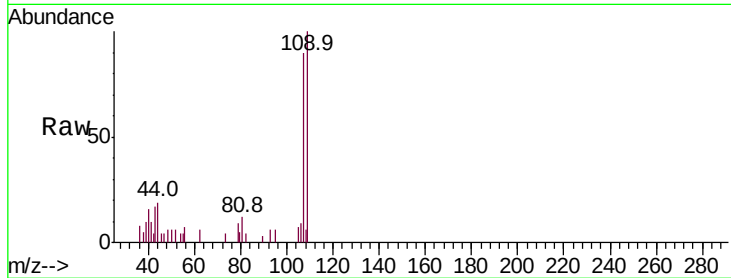
109 91.1 75.4 113.0

Manual Integrations

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MMDadoda

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#62

4-Bromofluorobenzene

Concen: 44.929 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX010910.D

Acq: 16 Jul 2019 16:42

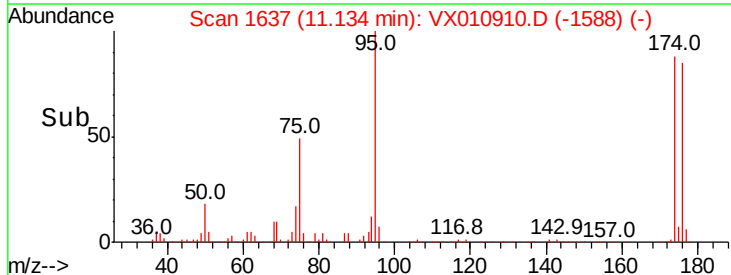
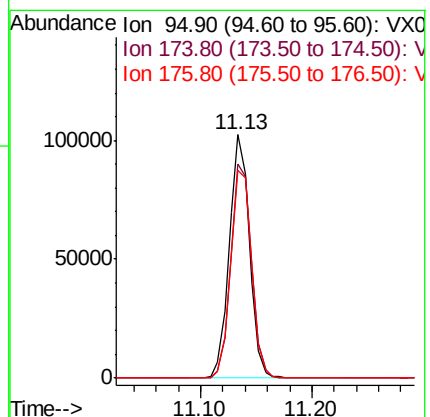
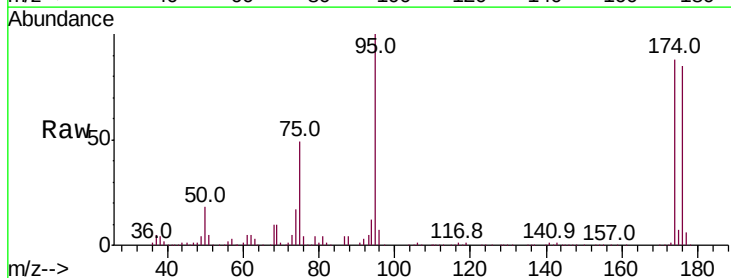
Tgt Ion: 95 Resp: 127733

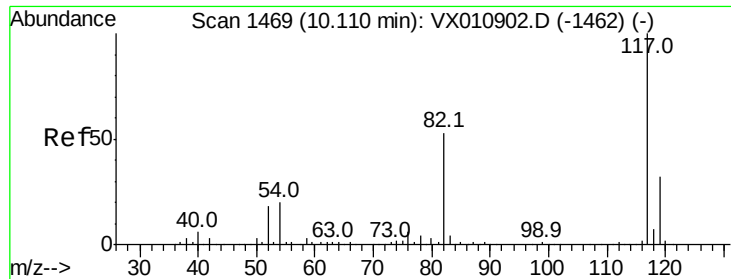
Ion Ratio Lower Upper

95 100

174 90.3 0.0 180.6

176 89.5 0.0 173.8





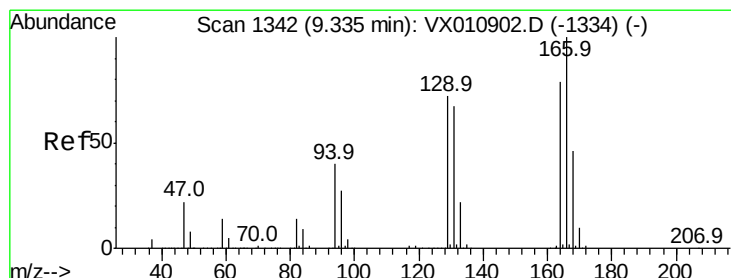
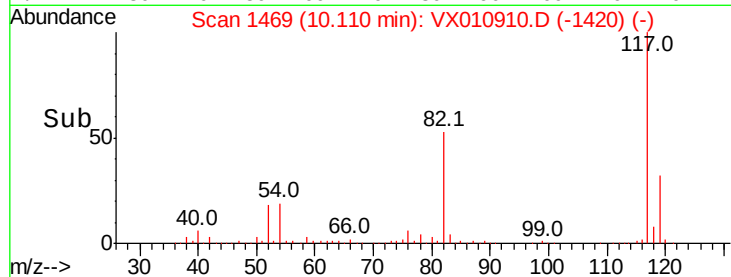
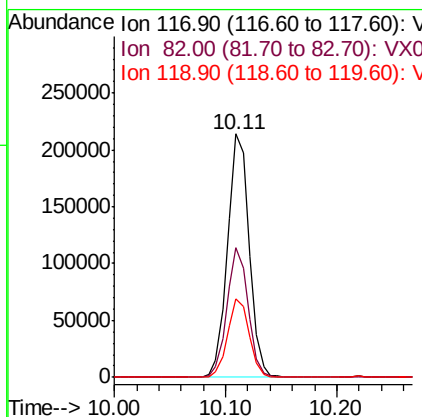
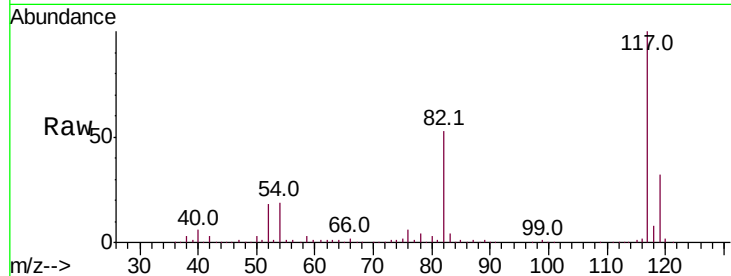
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX010910.D
Acq: 16 Jul 2019 16:42

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

Tot Ion	Ratio	Resp	Lower	Upper
117	100	288122		
82	53.3	42.6	63.8	
119	32.2	25.9	38.9	

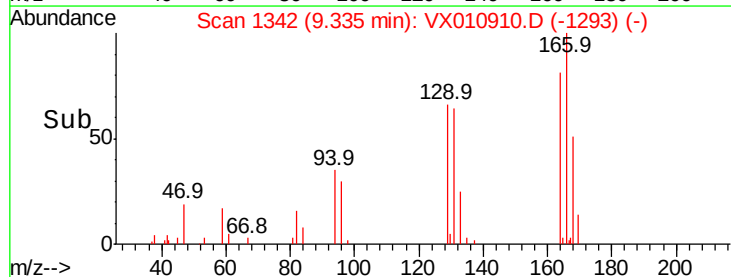
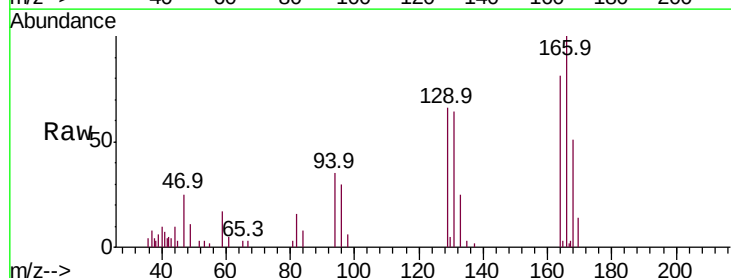
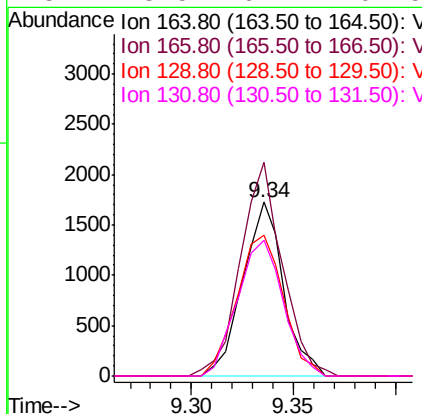
Manual Integrations
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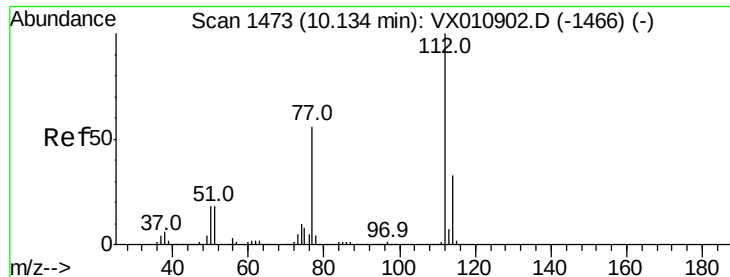
MMDadoda
7/17/2019 10:45:43 AM



#64
Tetrachloroethene
Concen: 1.052 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX010910.D
Acq: 16 Jul 2019 16:42

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	2385		
166	123.0	100.8	151.2	
129	80.8	72.6	109.0	
131	78.5	67.7	101.5	





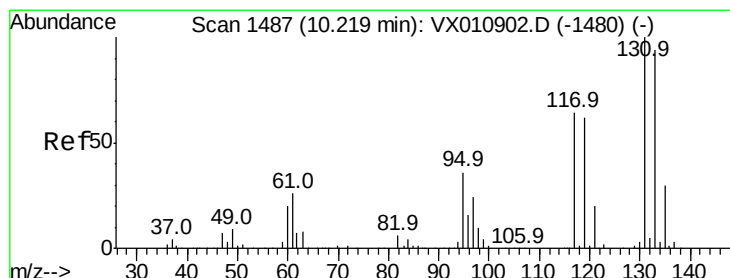
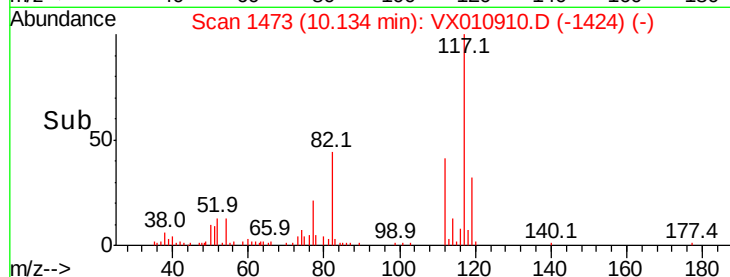
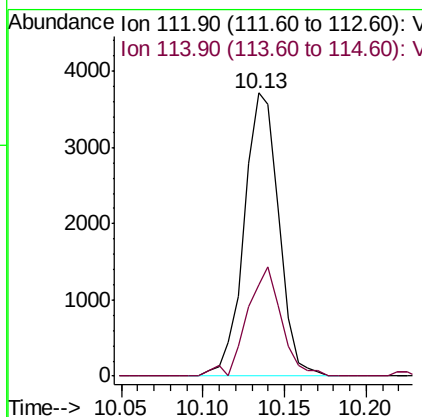
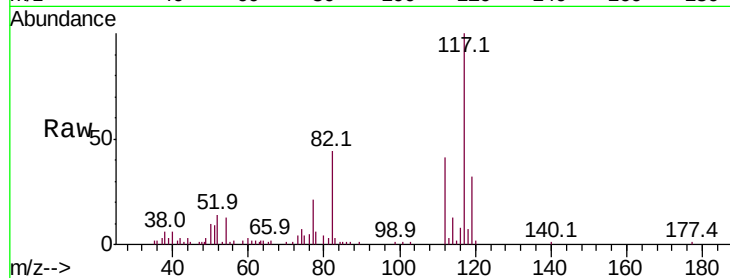
#65
Chlorobenzene
Concen: 0.932 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VX010910.D
Acq: 16 Jul 2019 16:42

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

Tot Ion:112 Resp: 5517
Ion Ratio Lower Upper
112 100
114 32.5 26.2 39.4

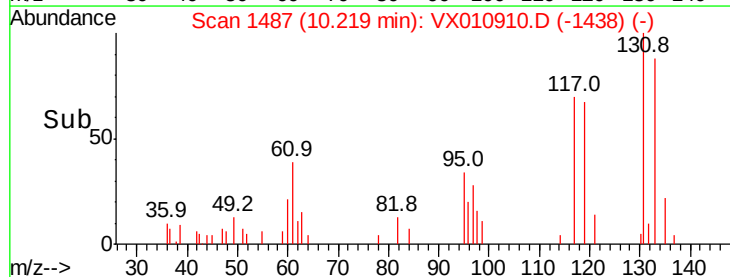
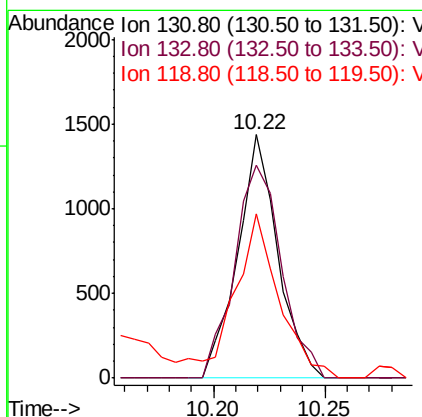
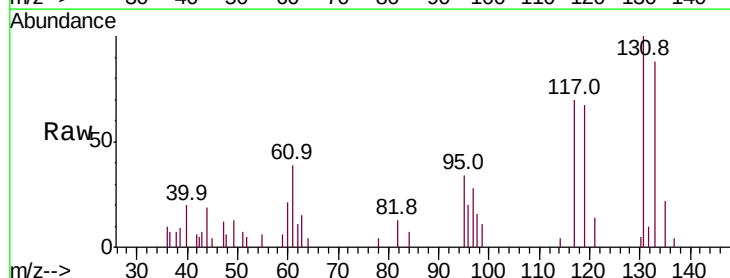
Manual Integrations
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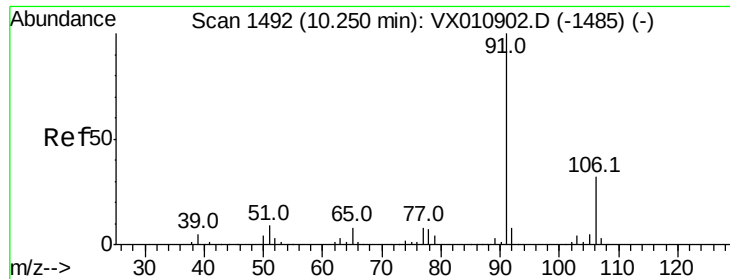
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 0.872 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX010910.D
Acq: 16 Jul 2019 16:42

Tgt Ion:131 Resp: 1813
Ion Ratio Lower Upper
131 100
133 102.5 47.1 141.4
119 0.0 31.9 95.7#





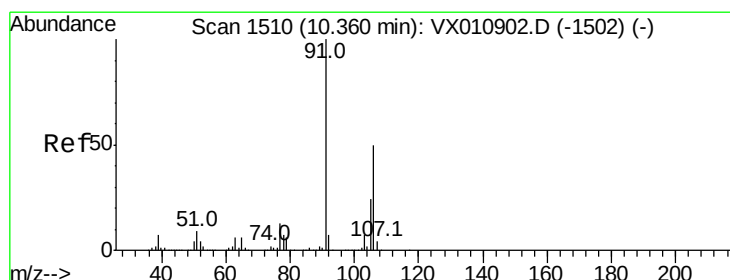
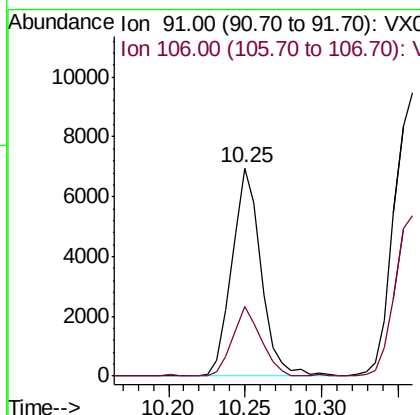
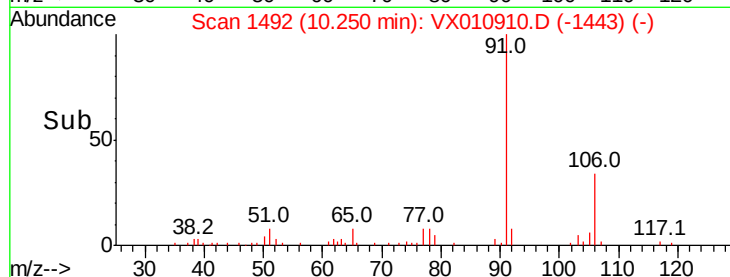
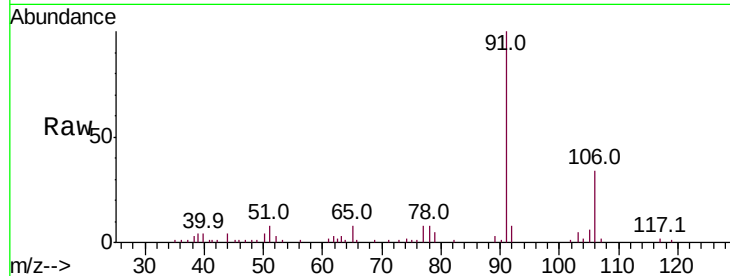
#67
Ethyl Benzene
Concen: 0.913 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX010910.D
Acq: 16 Jul 2019 16:42

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

Tot Ion: 91 Resp: 9193
Ion Ratio Lower Upper
91 100
106 33.6 25.4 38.2

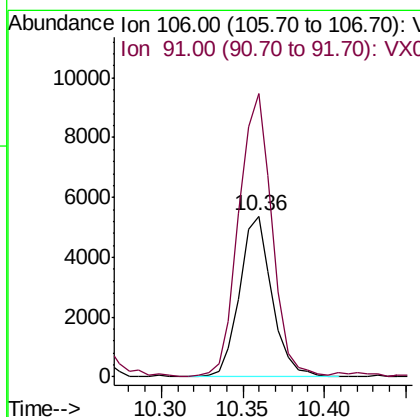
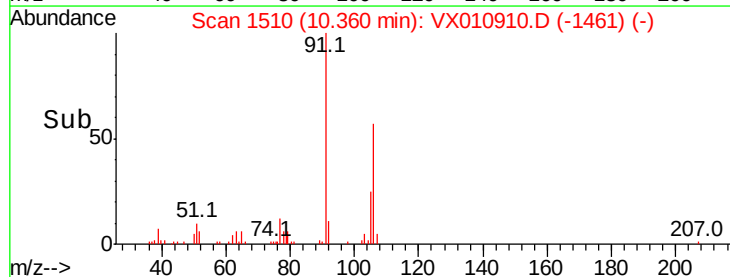
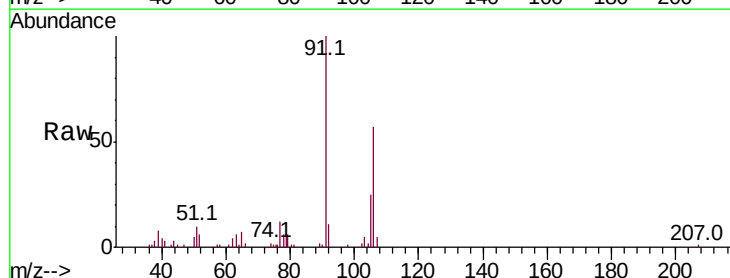
Manual Integrations
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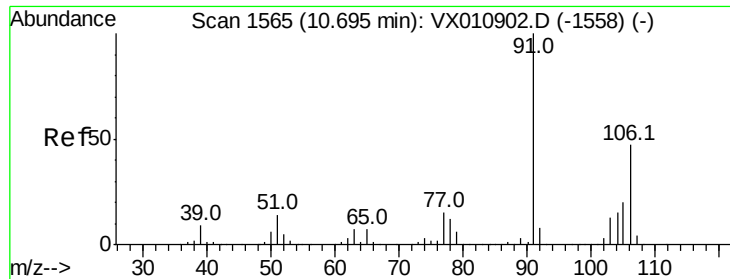
MMDadoda
7/17/2019 10:45:43 AM



#68
m/p-Xylenes
Concen: 1.929 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX010910.D
Acq: 16 Jul 2019 16:42

Tgt Ion: 106 Resp: 7454
Ion Ratio Lower Upper
106 100
91 181.0 160.1 240.1





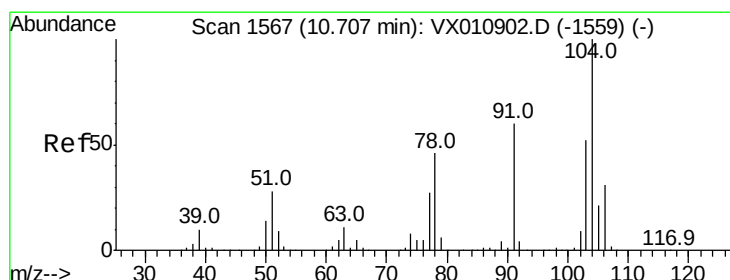
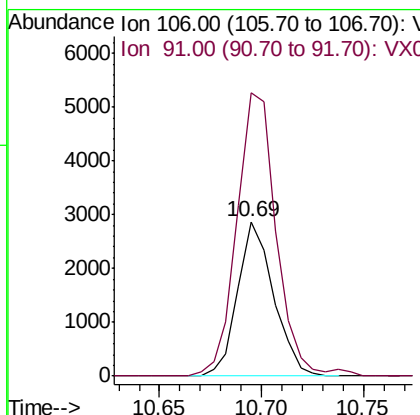
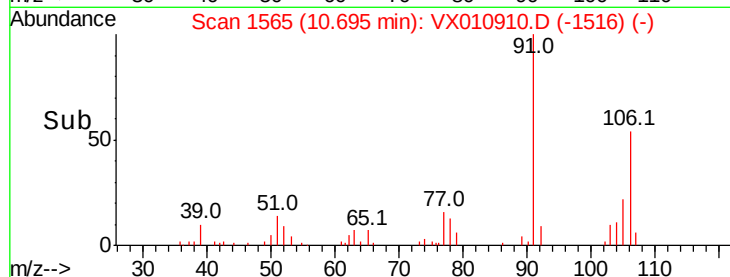
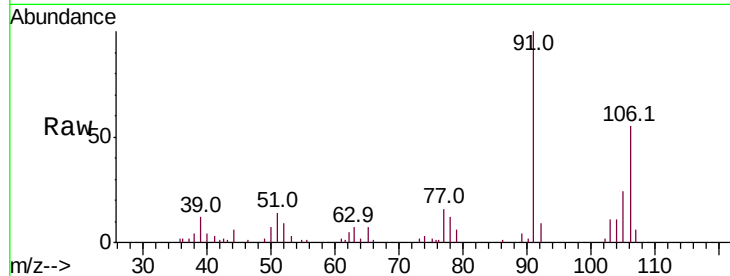
#69
o-Xylene
Concen: 0.933 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX010910.D
Acq: 16 Jul 2019 16:42

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

Tot Ion:106 Resp: 3517
Ion Ratio Lower Upper
106 100
91 201.5 105.1 315.3

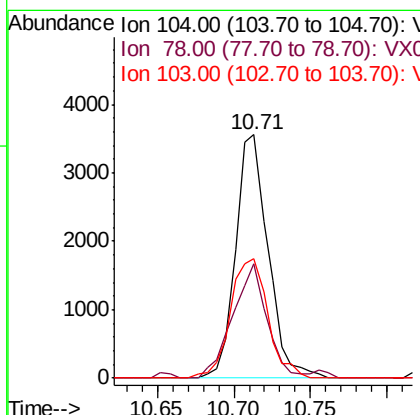
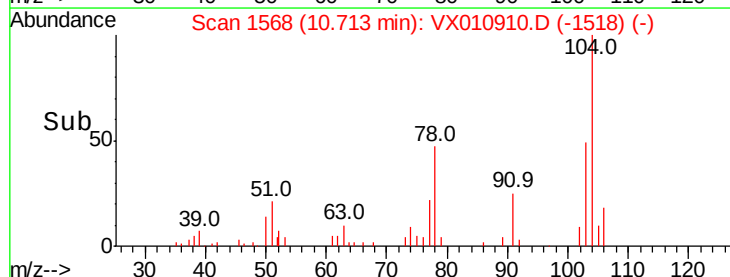
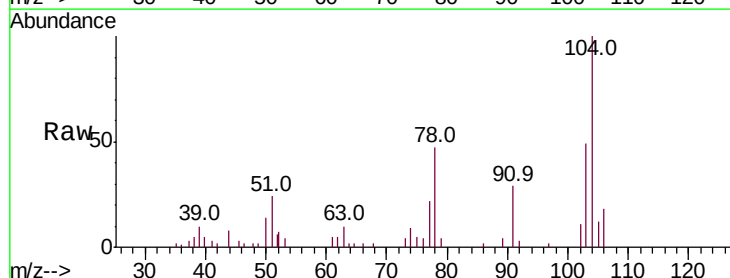
Manual Integrations
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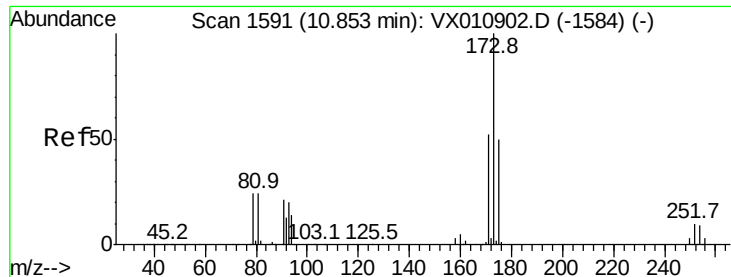
MMDadoda
7/17/2019 10:45:43 AM



#70
Styrene
Concen: 0.834 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VX010910.D
Acq: 16 Jul 2019 16:42

Tgt Ion:104 Resp: 5240
Ion Ratio Lower Upper
104 100
78 49.8 38.8 58.2
103 56.5 44.2 66.4





#71

Bromoform

Concen: 0.695 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX010910.D

Acq: 16 Jul 2019 16:42

Instrument :

MSVOA_X

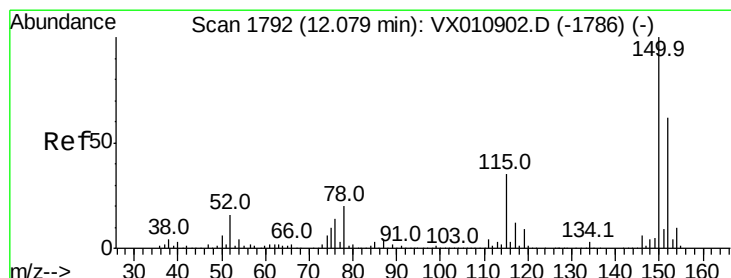
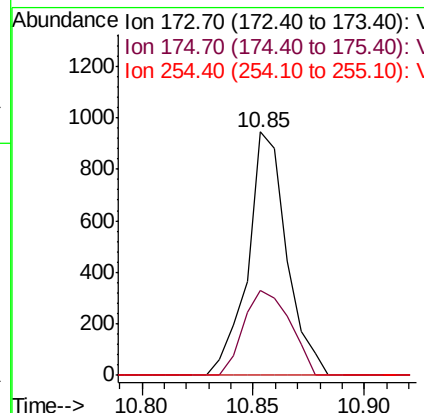
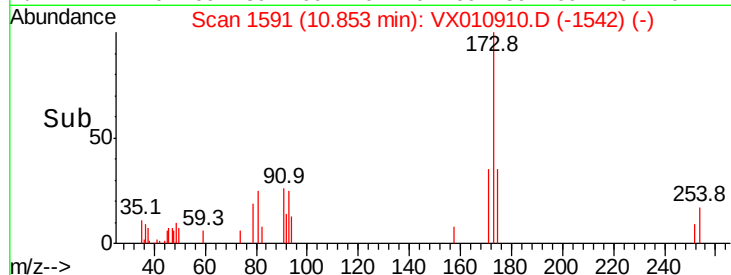
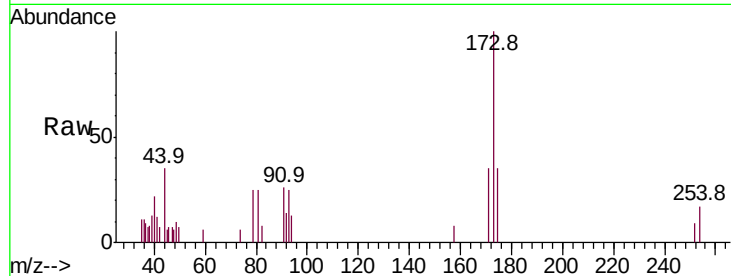
ClientSampleId :

LOQ-WATER-02-QT3-2019

Tot Ion	Ratio	Lower	Upper
173	100		
175	41.1	24.6	73.6
254	0.0	0.1	0.1#

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MMDadoda
7/17/2019 10:45:43 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

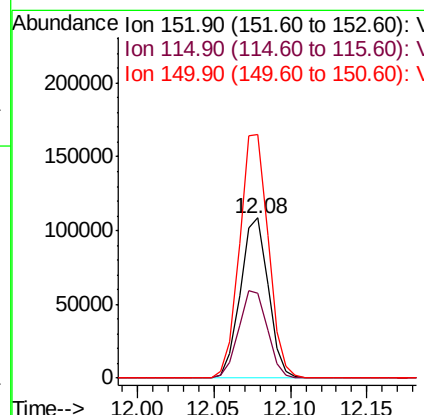
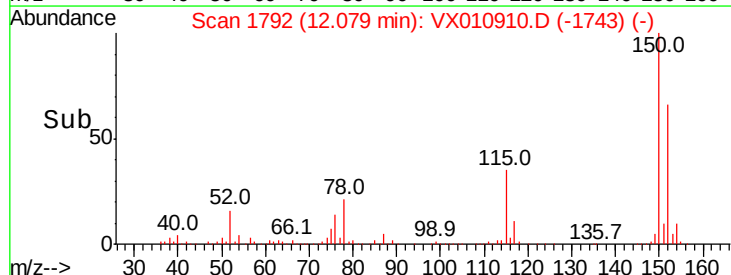
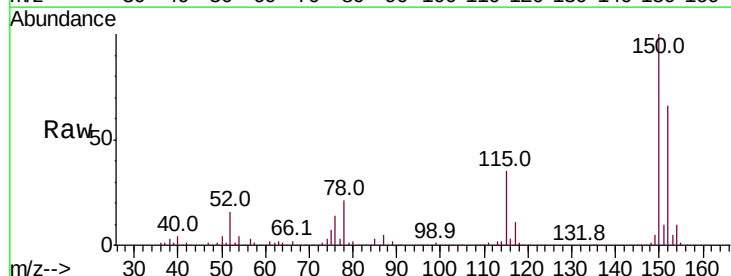
RT: 12.08 min Scan# 1792

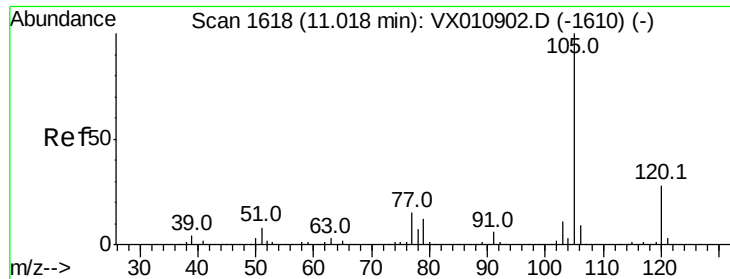
Delta R.T. -0.00 min

Lab File: VX010910.D

Acq: 16 Jul 2019 16:42

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.2	39.7	119.1
150	157.3	0.0	345.6





#73

Isopropylbenzene

Concen: 0.927 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX010910.D

Acq: 16 Jul 2019 16:42

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT3-2019

Tot Ion: 105 Resp: 8583

Ion Ratio Lower Upper

105 100

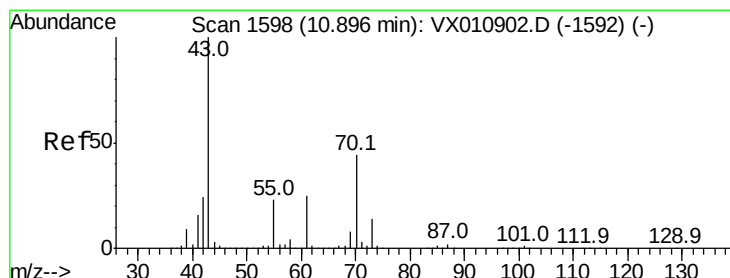
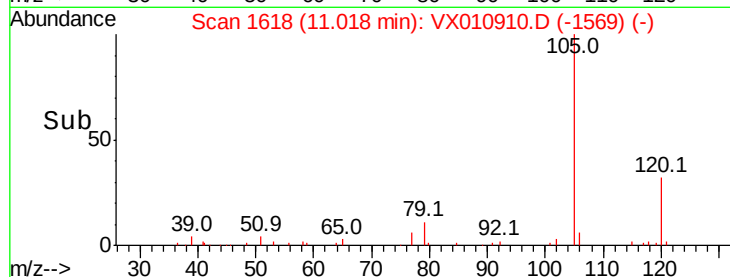
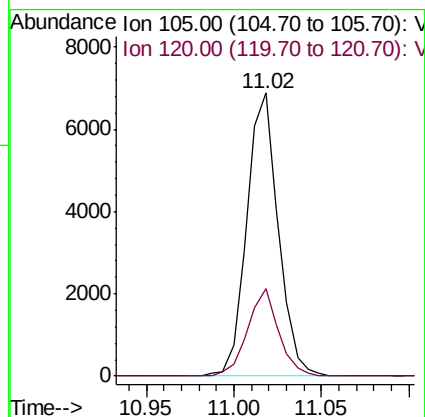
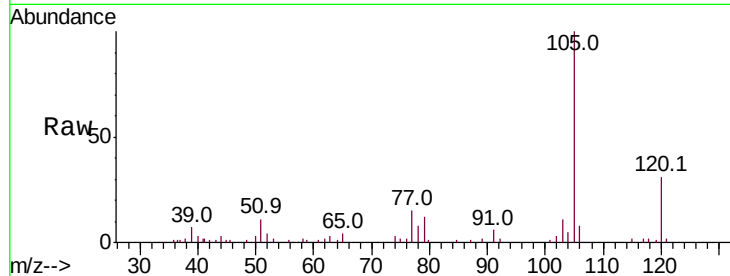
120 30.5 13.7 41.1

Manual Integrations

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7/17/2019 10:45:43 AM



#74

N-ethyl acetate

Concen: 0.820 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX010910.D

Acq: 16 Jul 2019 16:42

Tgt Ion: 43 Resp: 2899

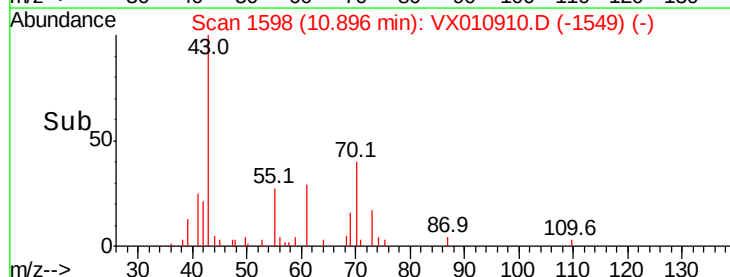
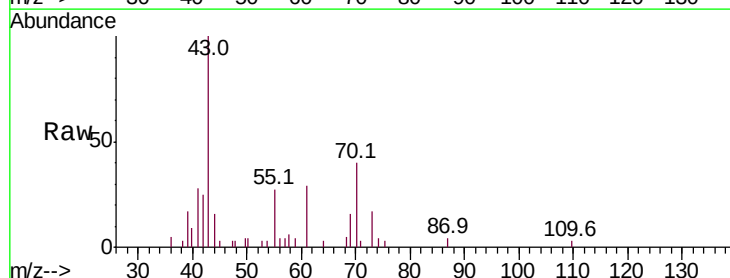
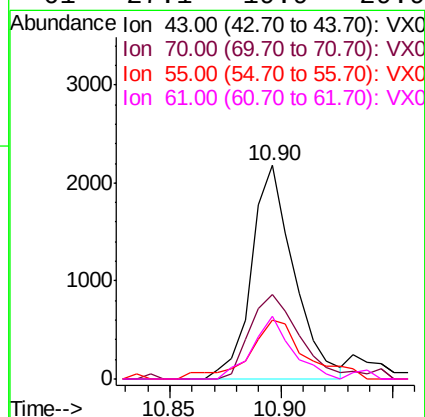
Ion Ratio Lower Upper

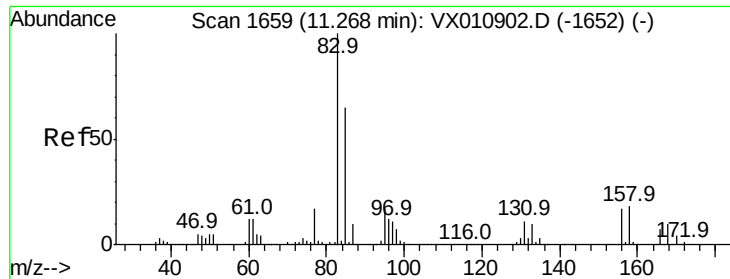
43 100

70 48.6 34.7 52.1

55 35.8 19.1 28.7#

61 27.1 19.9 29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 0.967 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX010910.D

Acq: 16 Jul 2019 16:42

Instrument :

MSVOA_X

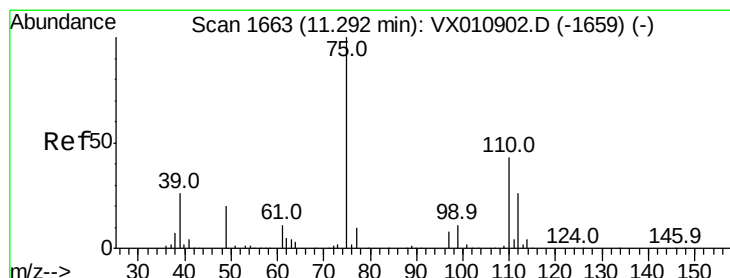
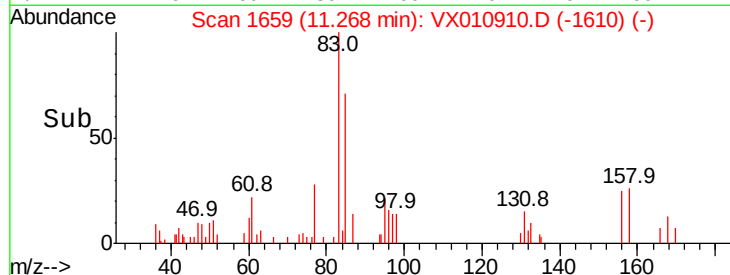
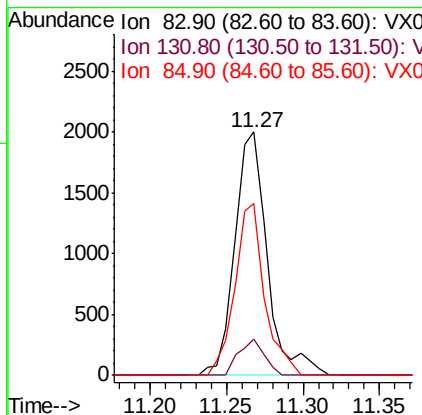
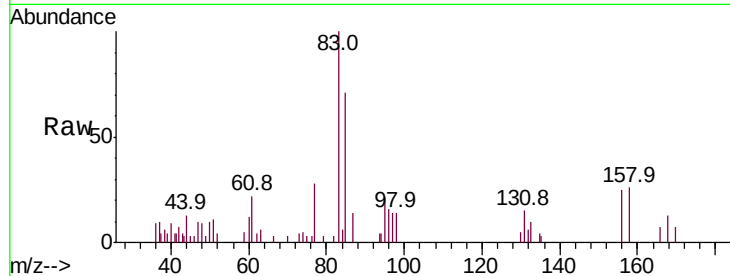
ClientSampleId :

LOQ-WATER-02-QT3-2019

Tot Ion:	83	Resp:	2929
Ion	Ratio	Lower	Upper
83	100		
131	11.6	5.5	16.4
85	64.8	32.3	96.9

Manual Integrations
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7/17/2019 10:45:43 AM



#76

1,2,3-Trichloropropane

Concen: 1.129 ug/l m

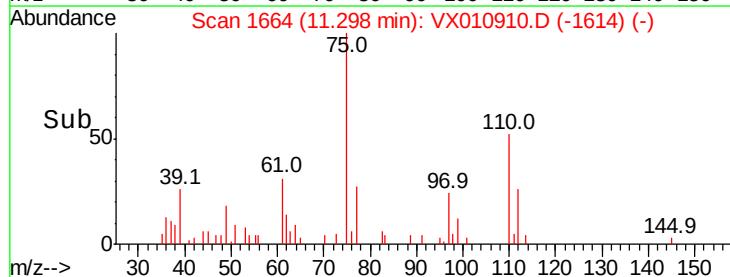
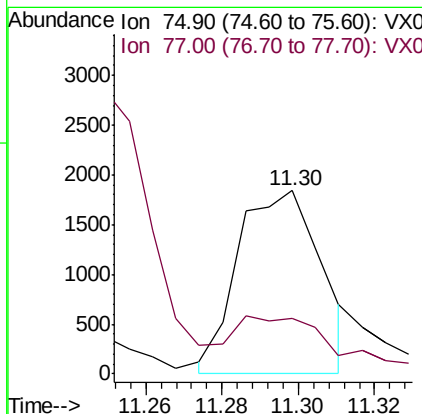
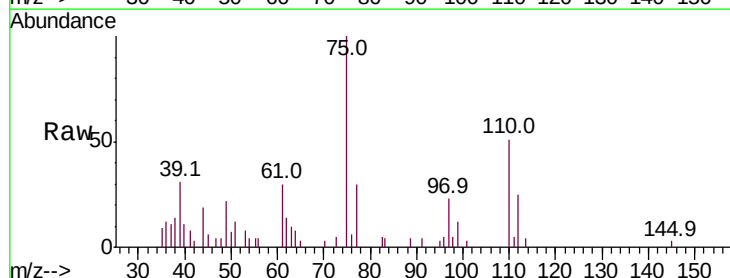
RT: 11.30 min Scan# 1664

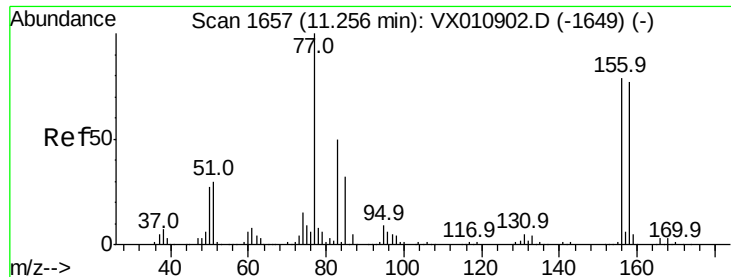
Delta R.T. 0.01 min

Lab File: VX010910.D

Acq: 16 Jul 2019 16:42

Tgt Ion:	75	Resp:	2792
Ion	Ratio	Lower	Upper
75	100		
77	40.7	21.3	64.0





#77

Bromobenzene

Concen: 1.053 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX010910.D

Acq: 16 Jul 2019 16:42

Instrument :

MSVOA_X

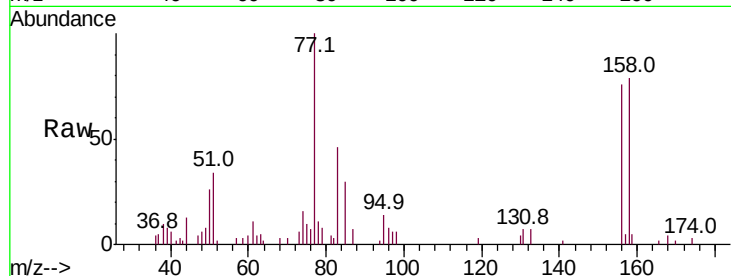
ClientSampleId :

LOQ-WATER-02-QT3-2019

Tot Ion:	156	Resp:	2690
Ion	Ratio	Lower	Upper
156	100		
77	139.4	68.7	206.1
158	93.8	47.9	143.7

Manual Integrations
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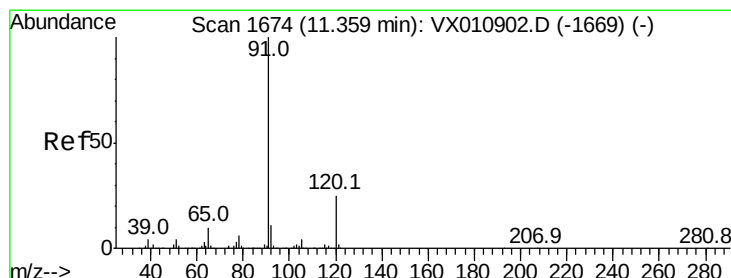
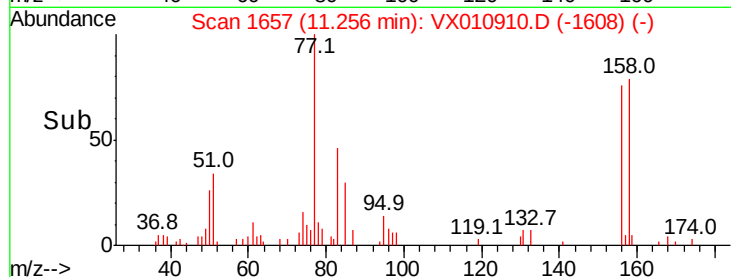
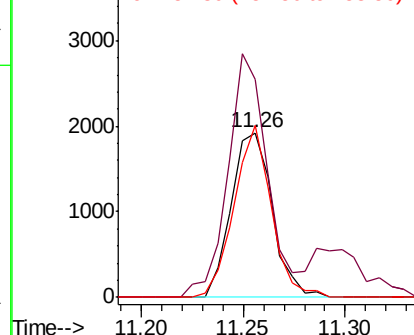
MMDadoda
7/17/2019 10:45:43 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 0.930 ug/l

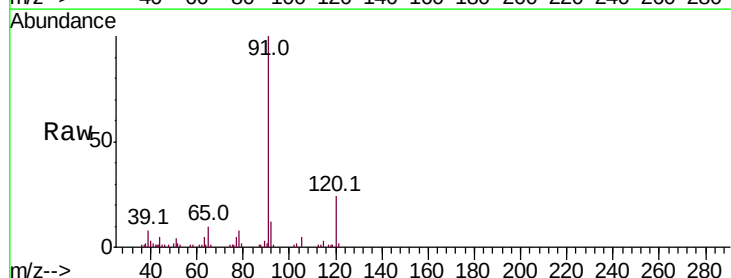
RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX010910.D

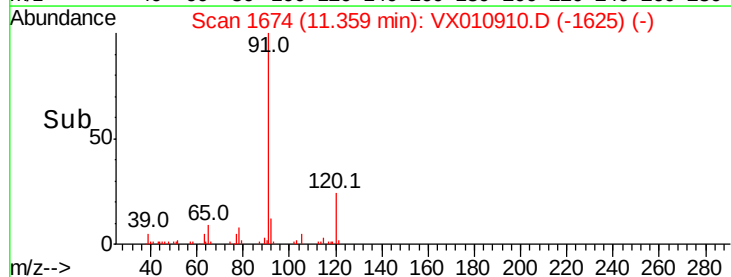
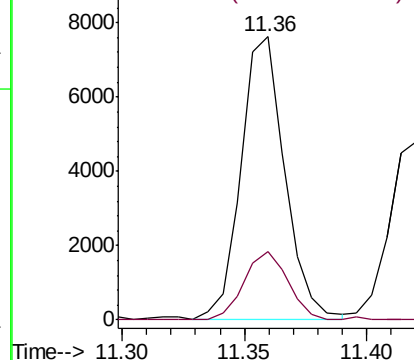
Acq: 16 Jul 2019 16:42

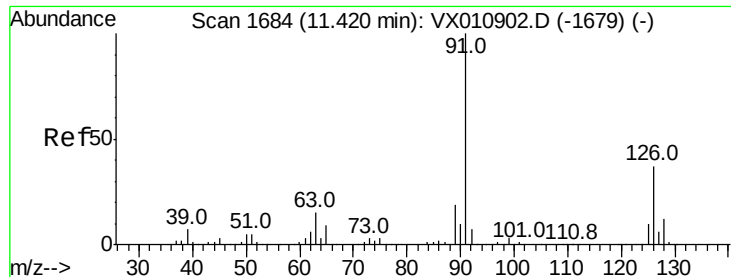
Tgt Ion:	91	Resp:	9517
Ion	Ratio	Lower	Upper
91	100		
120	23.9	12.3	36.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 1.031 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX010910.D

Acq: 16 Jul 2019 16:42

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT3-2019

Tot Ion: 91 Resp: 6333

Ion Ratio Lower Upper

91 100

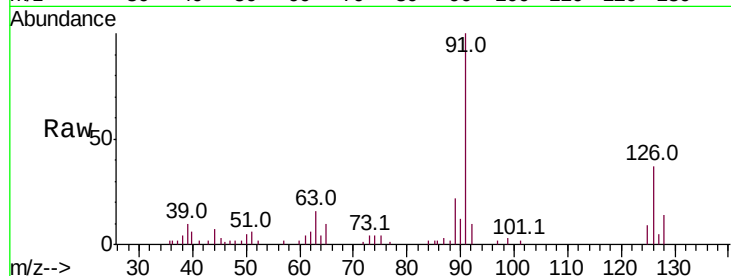
126 36.6 18.0 54.0

Manual Integrations

APPROVED

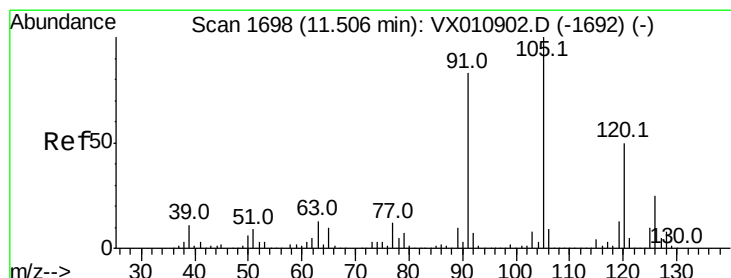
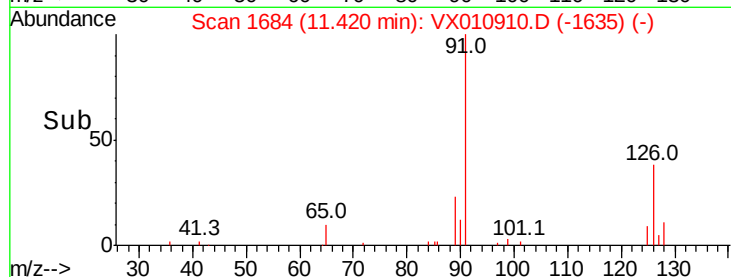
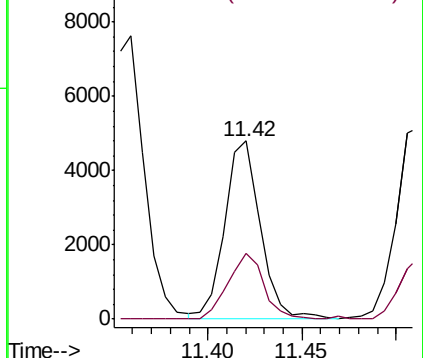
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 0.936 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX010910.D

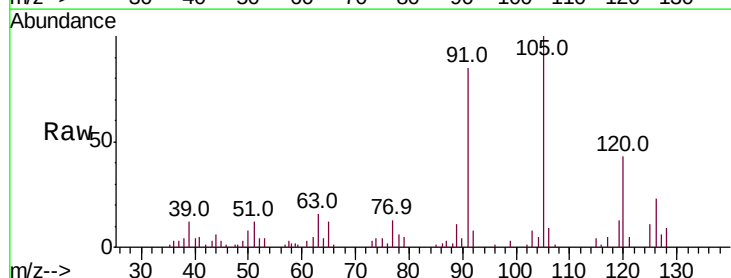
Acq: 16 Jul 2019 16:42

Tgt Ion: 105 Resp: 7243

Ion Ratio Lower Upper

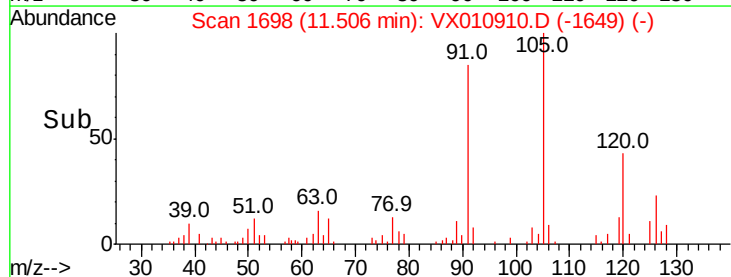
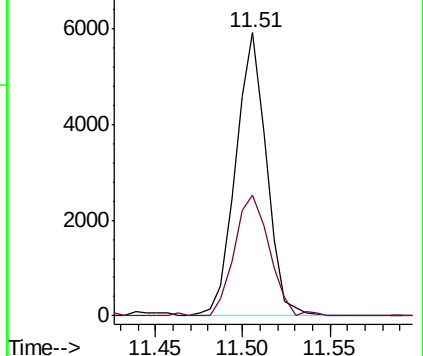
105 100

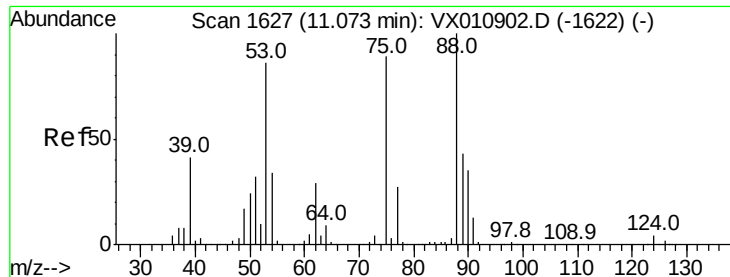
120 48.7 24.6 73.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 0.619 ug/l m

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX010910.D

Acq: 16 Jul 2019 16:42

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT3-2019

Tot Ion: 75 Resp: 556

Ion Ratio Lower Upper

75 100

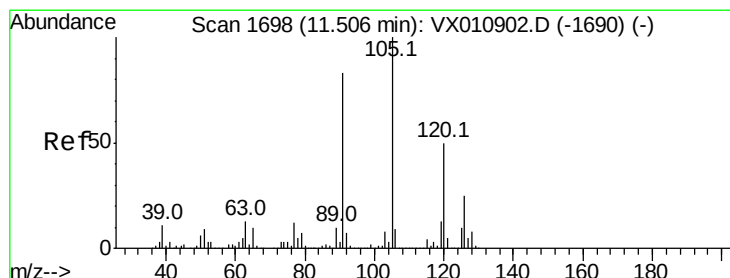
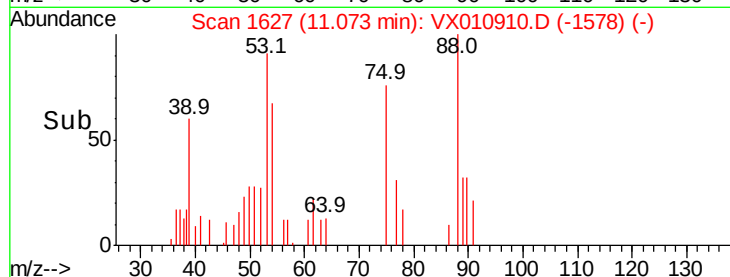
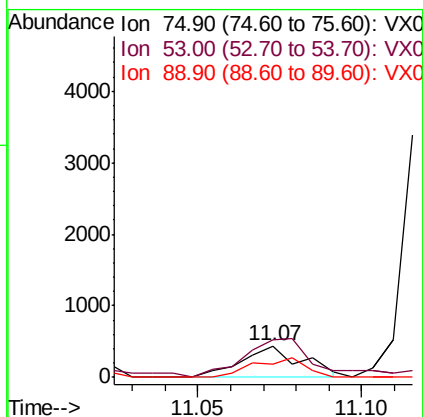
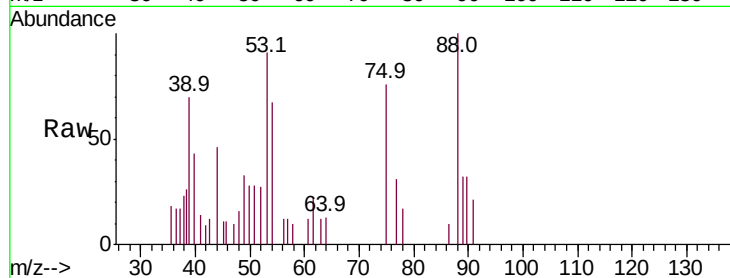
53 17.1 76.7 115.1#

89 0.0 38.5 57.7#

Manual Integrations
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#82

4-Chlorotoluene

Concen: 0.989 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.01 min

Lab File: VX010910.D

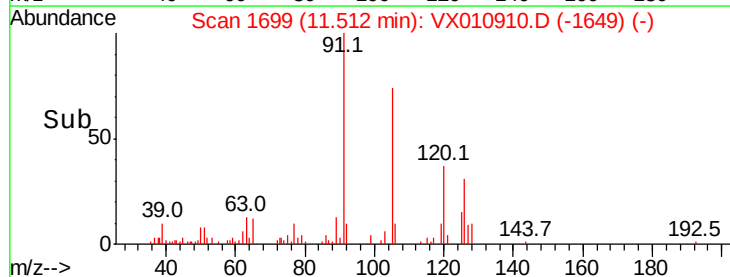
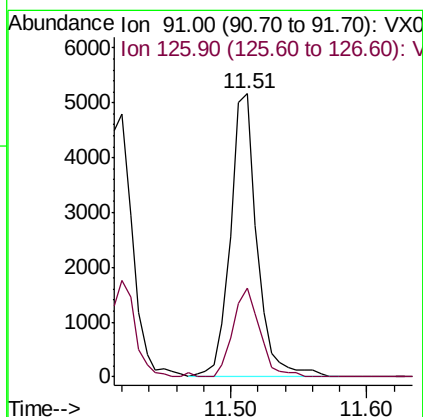
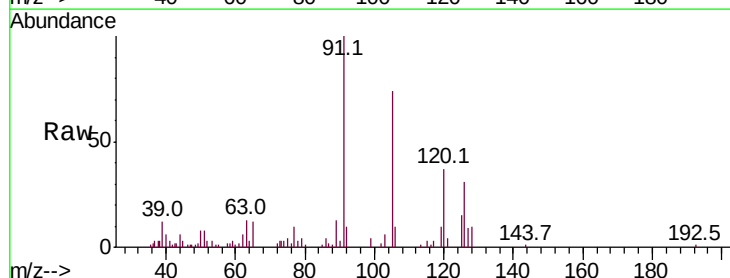
Acq: 16 Jul 2019 16:42

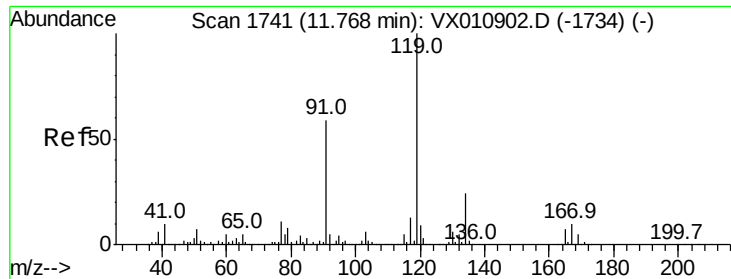
Tgt Ion: 91 Resp: 7070

Ion Ratio Lower Upper

91 100

126 31.5 15.9 47.7





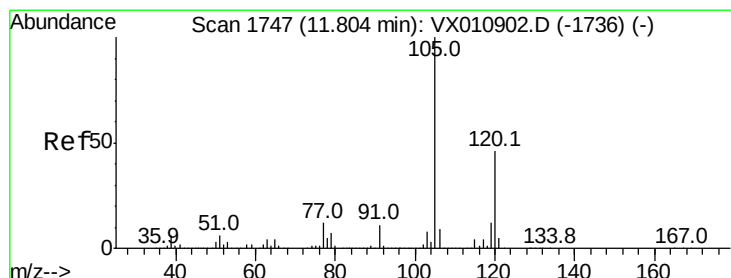
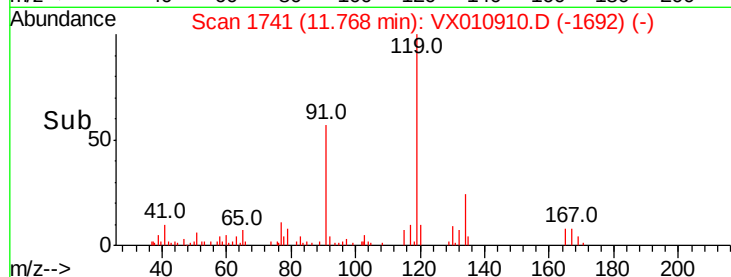
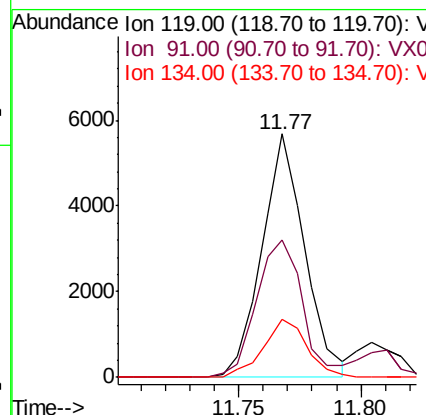
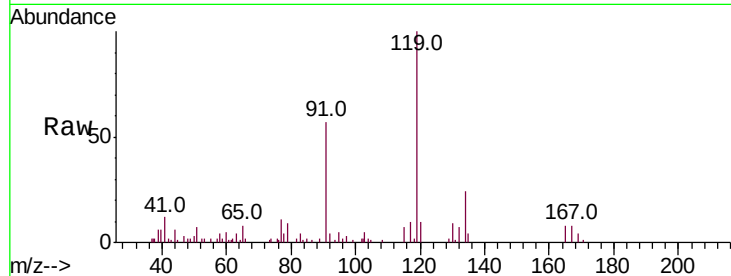
#83
 tert-Butylbenzene
 Concen: 0.915 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX010910.D
 Acq: 16 Jul 2019 16:42

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

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.0	28.6	85.8
134	24.7	11.6	34.8

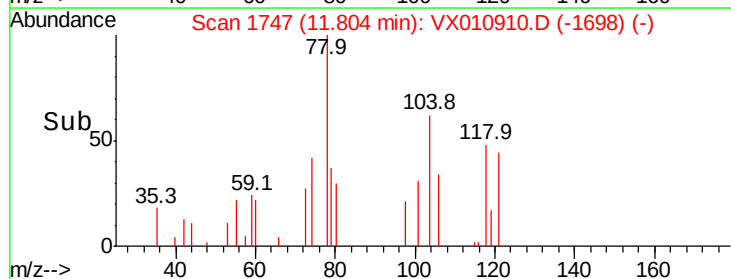
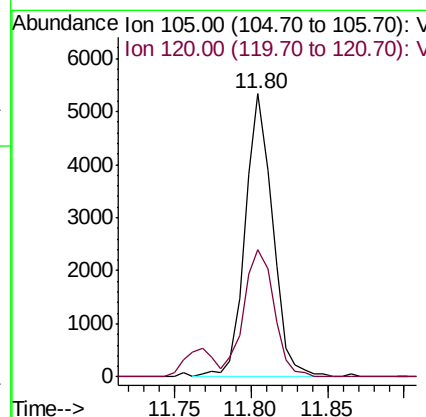
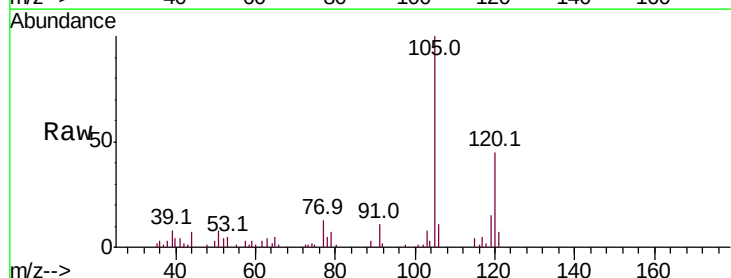
Manual Integrations
 APPROVED

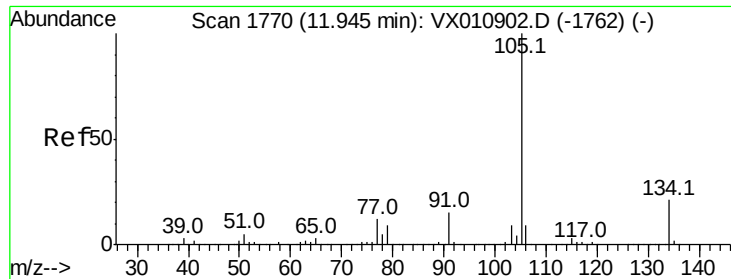
MMDadoda
 7/17/2019 10:45:43 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 0.852 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX010910.D
 Acq: 16 Jul 2019 16:42

Tgt Ion	Ratio	Lower	Upper
105	100		
120	49.9	22.9	68.5





#85

sec-Butylbenzene

Concen: 0.910 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX010910.D

Acq: 16 Jul 2019 16:42

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT3-2019

Tot Ion:105 Resp: 8104

Ion Ratio Lower Upper

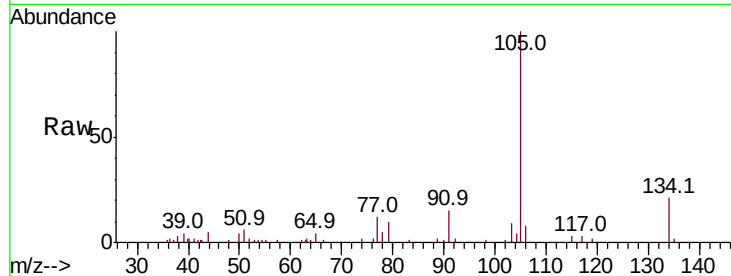
105 100

134 21.2 10.4 31.4

Manual Integrations
APPROVED

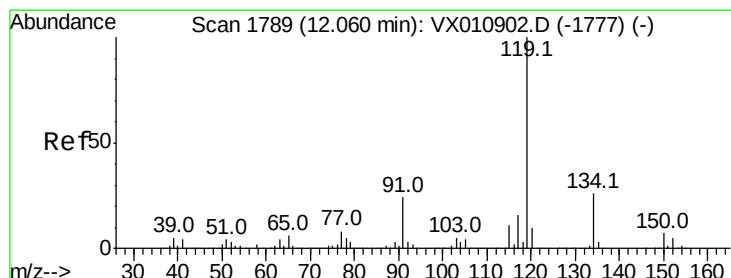
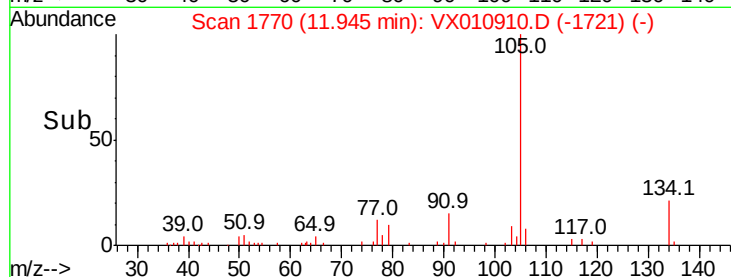
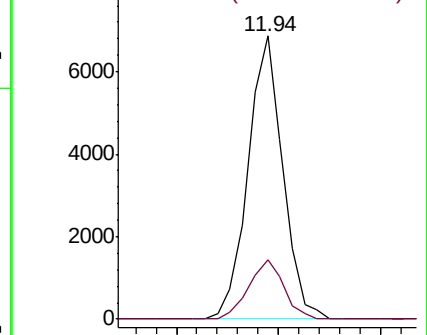
MMDadoda

7/17/2019 10:45:43 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 0.849 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX010910.D

Acq: 16 Jul 2019 16:42

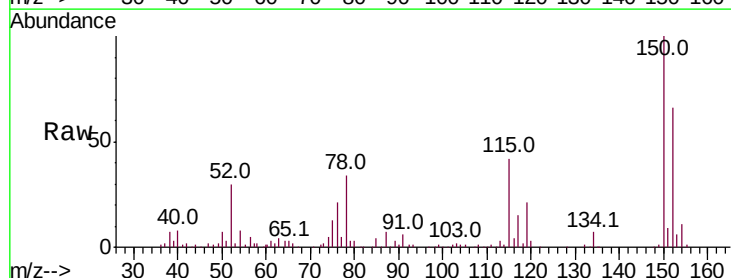
Tgt Ion:119 Resp: 6990

Ion Ratio Lower Upper

119 100

134 30.9 13.4 40.1

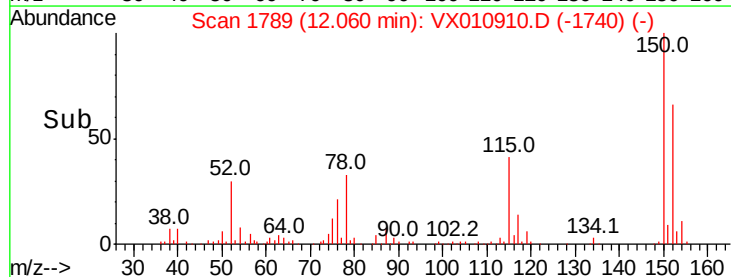
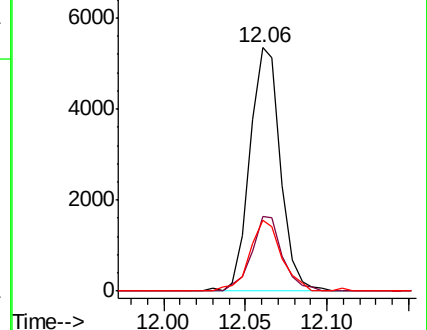
91 30.6 11.8 35.4

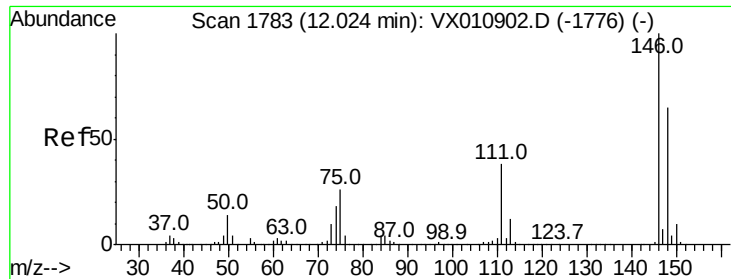


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





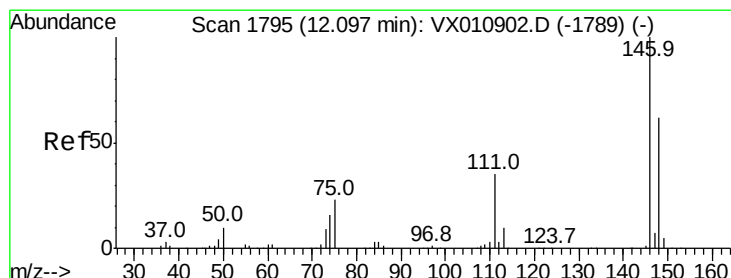
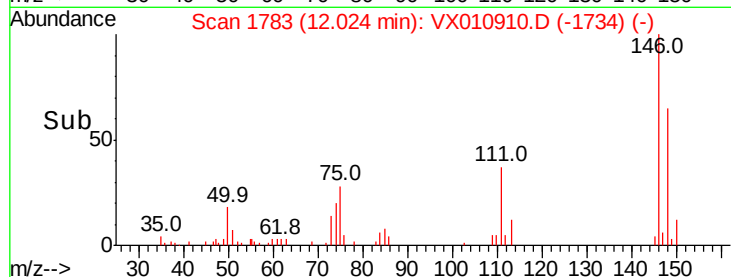
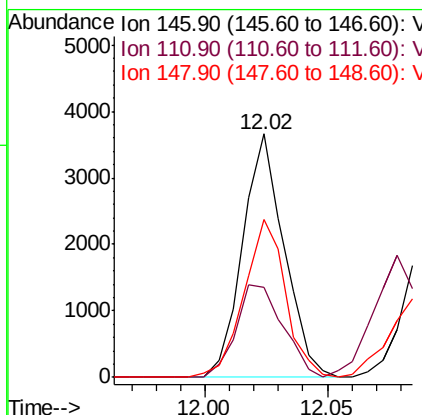
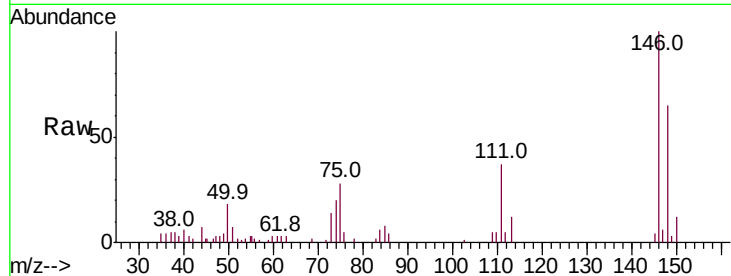
#87
 1,3-Dichlorobenzene
 Concen: 0.971 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX010910.D
 Acq: 16 Jul 2019 16:42

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

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	18.9	56.9
148	65.2	32.2	96.6

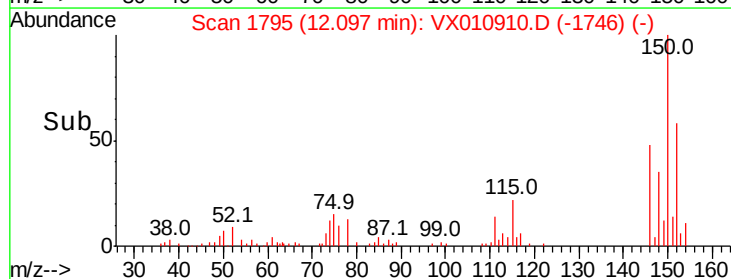
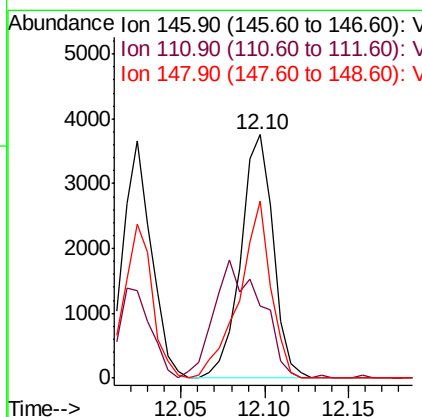
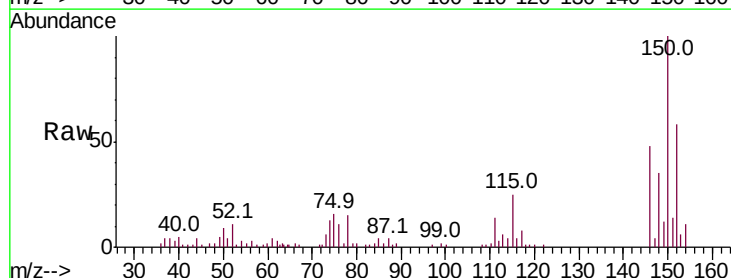
Manual Integrations
 APPROVED

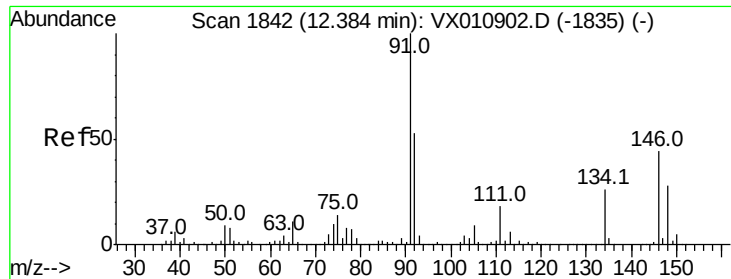
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#88
 1,4-Dichlorobenzene
 Concen: 1.107 ug/l m
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX010910.D
 Acq: 16 Jul 2019 16:42

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.6	55.8
148	55.8	31.6	94.7





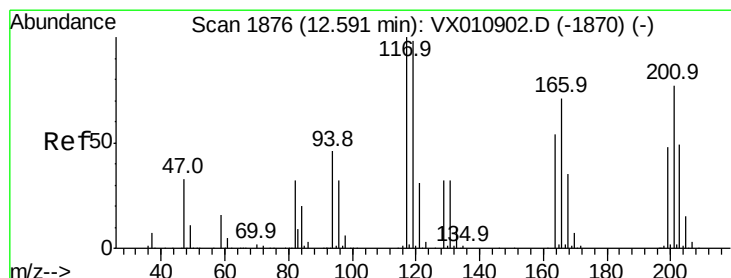
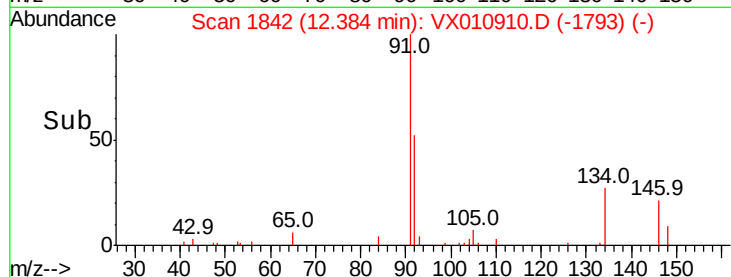
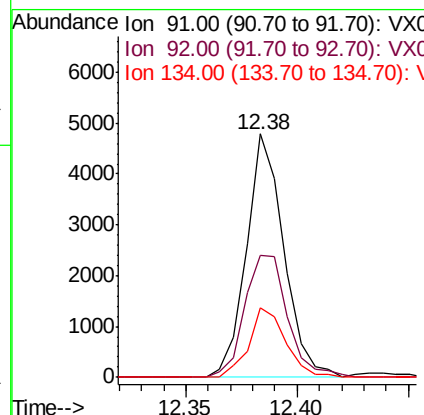
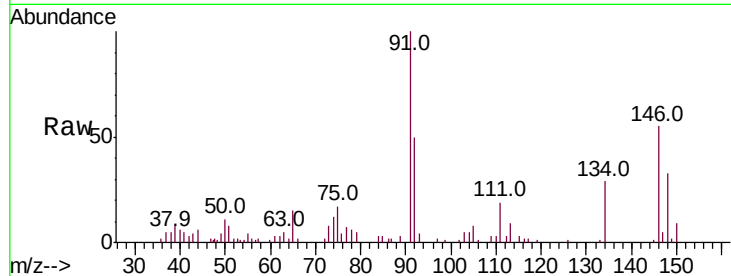
#89
n-Butylbenzene
Concen: 0.797 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX010910.D
Acq: 16 Jul 2019 16:42

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

Tot Ion	Ratio	Lower	Upper
91	100		
92	57.8	26.2	78.5
134	28.1	13.8	41.3

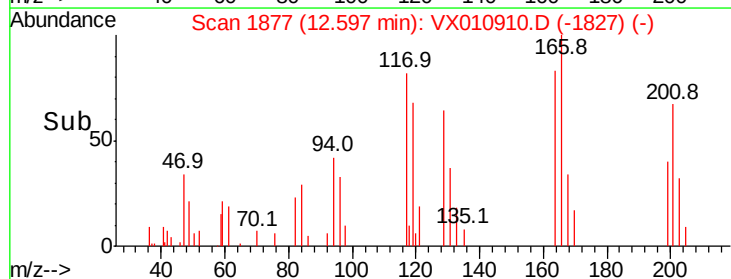
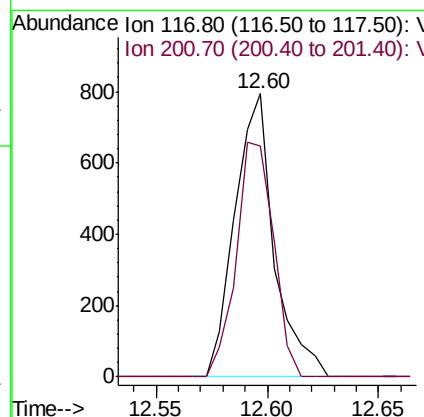
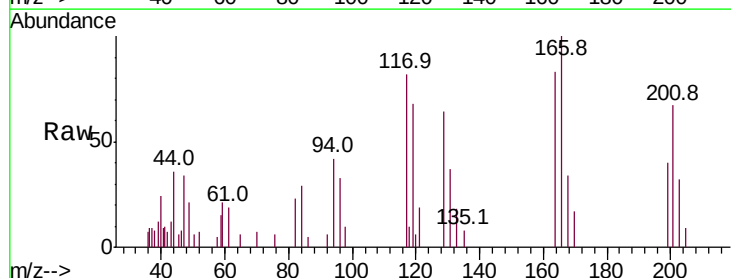
Manual Integrations
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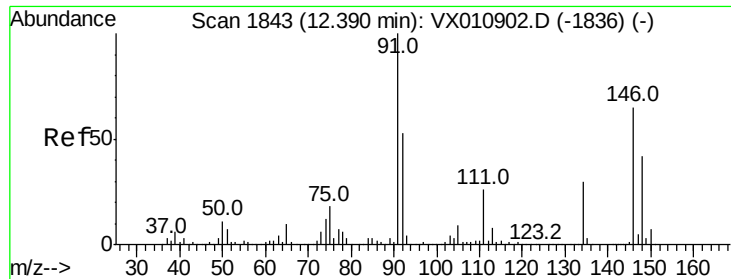
MMDadoda
7/17/2019 10:45:43 AM



#90
Hexachloroethane
Concen: 0.751 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.01 min
Lab File: VX010910.D
Acq: 16 Jul 2019 16:42

Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.0	43.3	129.8





#91

1,2-Dichlorobenzene

Concen: 1.006 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX010910.D

Acq: 16 Jul 2019 16:42

Instrument :

MSVOA_X

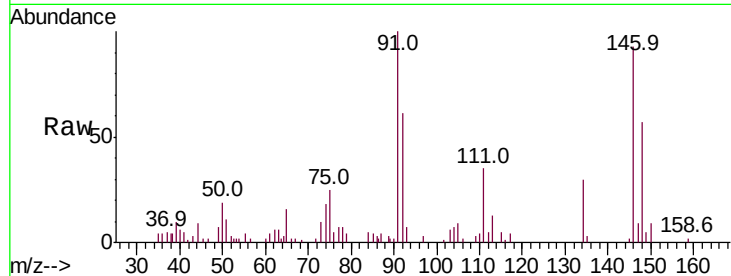
ClientSampleId :

LOQ-WATER-02-QT3-2019

Tot Ion:	146	Resp:	4419
Ion	Ratio	Lower	Upper
146	100		
111	37.7	19.9	59.7
148	67.0	32.0	96.2

Manual Integrations
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7/17/2019 10:45:43 AM

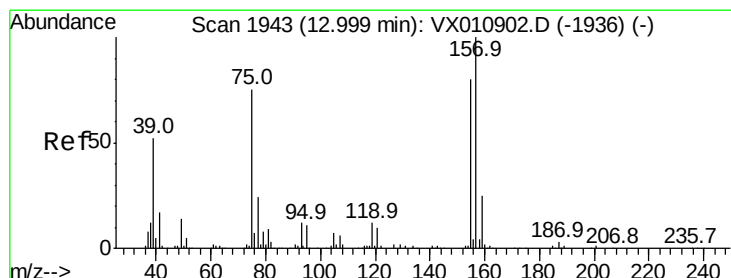
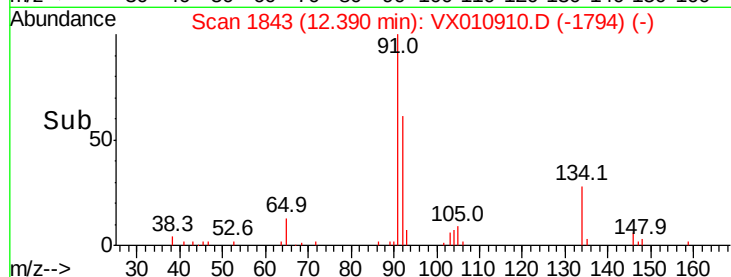
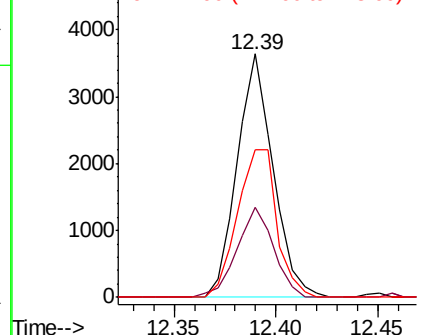


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.959 ug/l

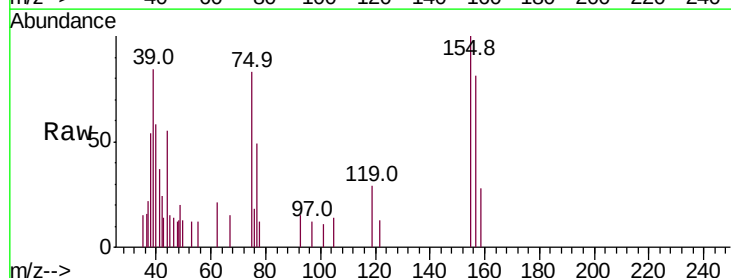
RT: 13.00 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VX010910.D

Acq: 16 Jul 2019 16:42

Tgt Ion:	75	Resp:	607
Ion	Ratio	Lower	Upper
75	100		
155	87.3	48.7	146.1
157	88.8	62.5	187.6

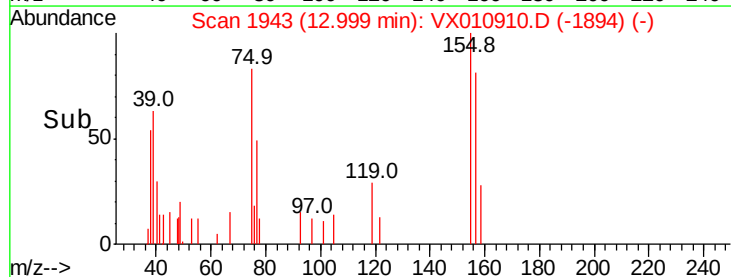
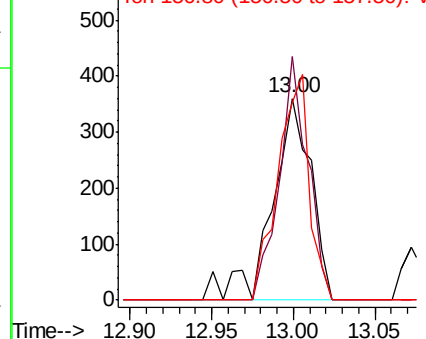


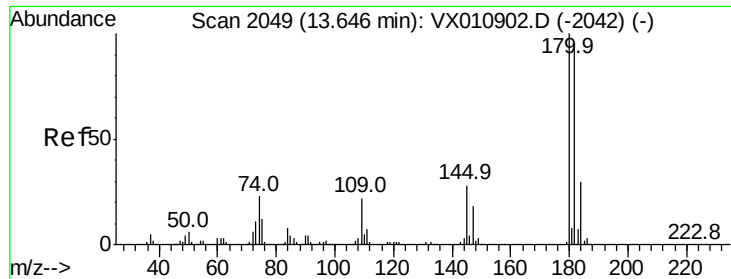
Abundance

Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





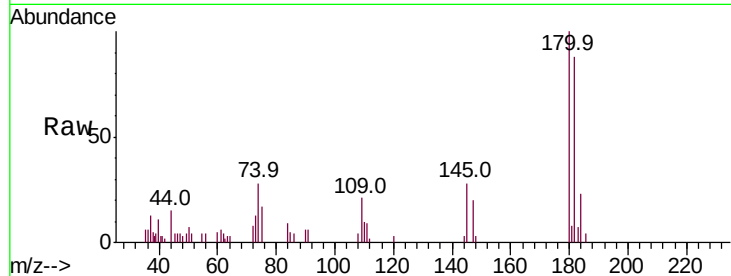
#93
1,2,4-Trichlorobenzene
Concen: 0.933 ug/l
RT: 13.65 min Scan# 2049
Delta R.T. -0.00 min
Lab File: VX010910.D
Acq: 16 Jul 2019 16:42

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

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.3	47.1	141.3
145	32.6	14.8	44.4

Manual Integrations
APPROVED

MMDadoda
7/17/2019 10:45:43 AM

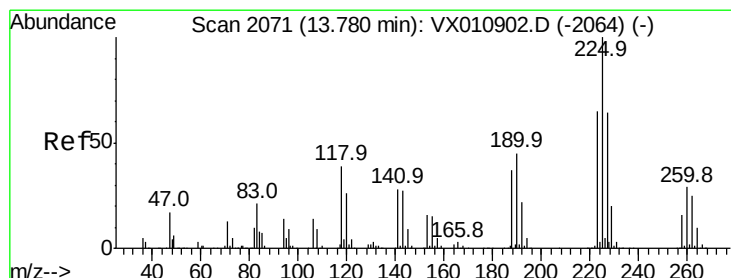
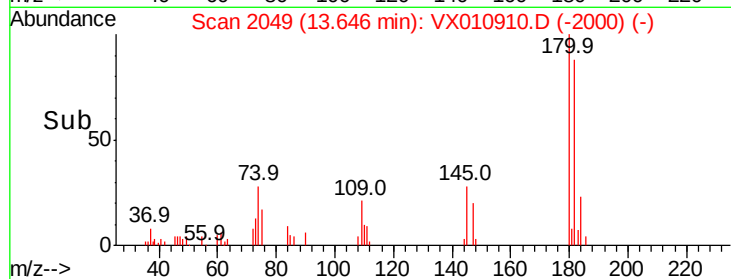
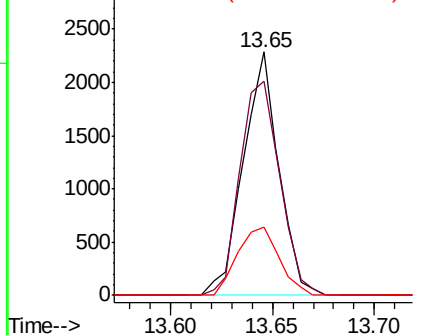


Abundance

Ion 179.80 (179.50 to 180.50): V

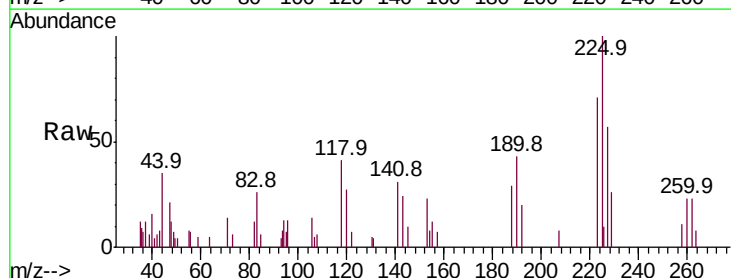
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
Hexachlorobutadiene
Concen: 0.915 ug/l
RT: 13.78 min Scan# 2071
Delta R.T. -0.00 min
Lab File: VX010910.D
Acq: 16 Jul 2019 16:42

Tgt Ion	Ratio	Lower	Upper
225	100		
223	67.3	31.9	95.9
227	64.1	32.5	97.4

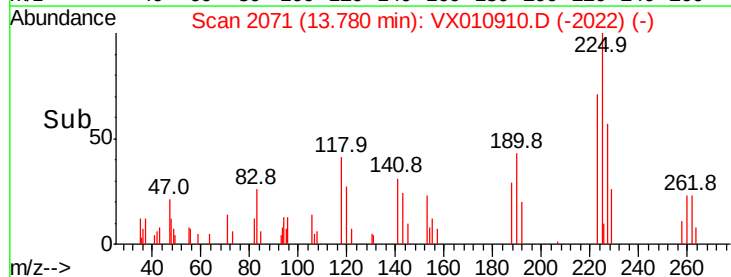
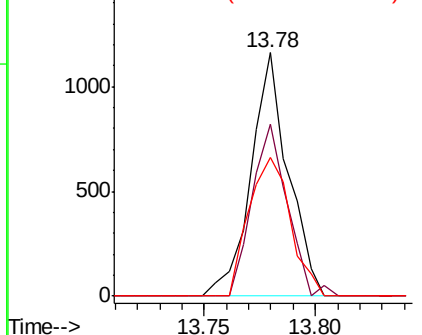


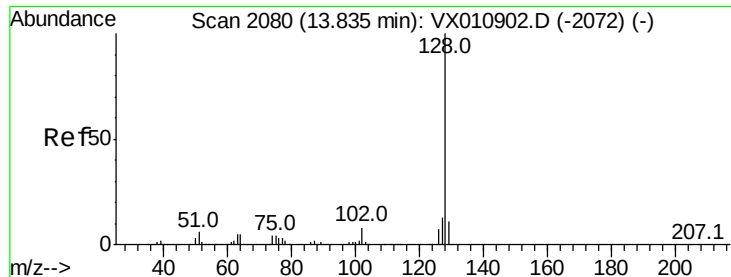
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





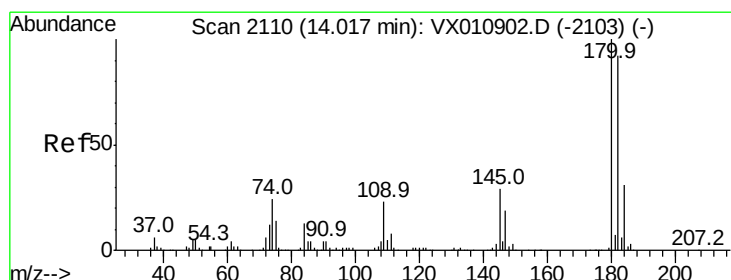
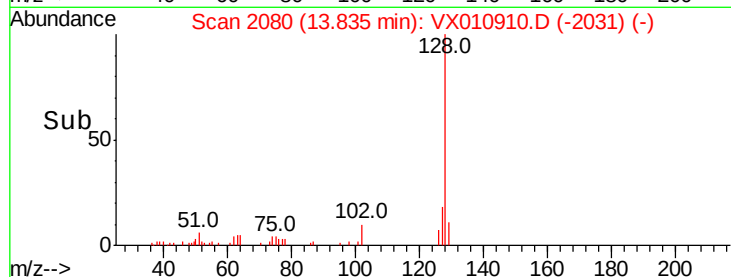
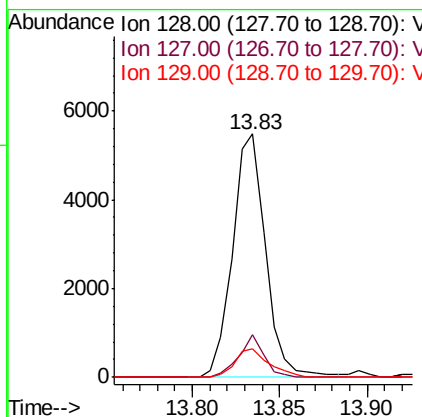
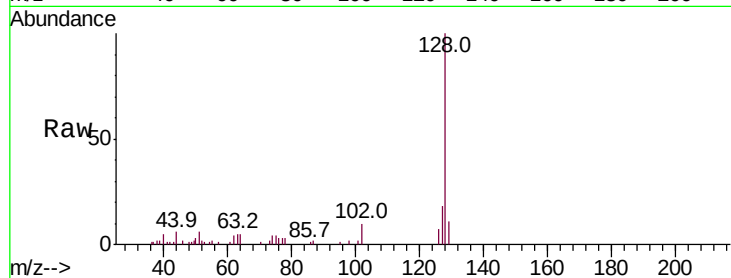
#95
Naphthalene
Concen: 0.819 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX010910.D
Acq: 16 Jul 2019 16:42

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

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.4	15.6
129	12.0	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
7/17/2019 10:45:43 AM



#96
1,2,3-Trichlorobenzene
Concen: 0.963 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX010910.D
Acq: 16 Jul 2019 16:42

Tgt Ion	Ratio	Lower	Upper
180	100		
182	85.6	47.4	142.3
145	32.0	15.1	45.3

