

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050219\
 Data File : VX009268.D
 Acq On : 02 May 2019 11:27
 Operator : JC/SP
 Sample : K2241-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: May 03 07:07:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X050119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 02 06:46:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.01	128	32034	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	182535	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	159588	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	77764	29.26	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.53%
60) 4-Bromofluorobenzene	11.13	95	81600	30.09	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	100.30%
63) Toluene-d8	8.71	98	233969	30.92	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	103.07%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	15303	8.990 ug/l	97
3) Chloromethane	1.32	50	21169	9.252 ug/l	97
4) Vinyl Chloride	1.41	62	20795	9.111 ug/l	99
5) Bromomethane	1.64	94	12749	8.811 ug/l	95
6) Chloroethane	1.71	64	13194	8.814 ug/l	99
7) Trichlorofluoromethane	1.92	101	26710	9.477 ug/l	96
8) Diethyl Ether	2.19	74	13341	10.194 ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	17348	9.941 ug/l	98
10) 1,1-Dichloroethene	2.37	96	17075	9.745 ug/l	97
11) Methyl Iodide	2.51	142	15456	8.115 ug/l	99
12) Methyl Acetate	2.78	43	35513	10.761 ug/l	99
13) Acrolein	2.29	56	25520	56.379 ug/l	98
14) Acrylonitrile	3.14	53	74278	51.861 ug/l	100
15) Acetone	2.45	58	20342	49.468 ug/l	98
16) Carbon Disulfide	2.56	76	38899	8.205 ug/l	96
17) Allyl chloride	2.73	41	39870	9.478 ug/l	93
18) Methylene Chloride	2.85	84	21291	10.054 ug/l	95
19) trans-1,2-Dichloroethene	3.16	96	17593	9.417 ug/l	86
20) Diisopropyl ether	3.85	45	84285	10.175 ug/l	100
21) 1,1-Dichloroethane	3.70	63	40332	10.061 ug/l	98
22) cis-1,2-Dichloroethene	4.59	96	21940	9.750 ug/l	93
23) tert-Butyl Alcohol	3.06	59	30668	50.639 ug/l	# 100
24) Methyl tert-Butyl Ether	3.20	73	68458	9.984 ug/l	100
25) Chloroform	5.21	83	37507	10.252 ug/l	96
26) Cyclohexane	5.57	56	35459	9.491 ug/l	# 99
29) 1,1-Dichloropropene	5.80	75	26720	9.976 ug/l	99
30) 2-Butanone	4.67	43	110055	52.468 ug/l	99
31) 2,2-Dichloropropane	4.59	77	29742	10.073 ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	30153	10.385 ug/l	96
33) Carbon Tetrachloride	5.78	117	24798	10.208 ug/l	98
34) Benzene	6.14	78	85237	10.322 ug/l	99
35) Methacrylonitrile	5.05	41	23167	10.557 ug/l	95
36) 1,2-Dichloroethane	6.19	62	30355	10.131 ug/l	100
37) Trichloroethene	7.21	130	20156	10.140 ug/l	96
38) Methylcyclohexane	7.46	83	32381	9.785 ug/l	100
39) 1,2-Dichloropropane	7.51	63	24683	10.497 ug/l	100
40) Dibromomethane	7.66	93	13763	10.312 ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	27527	10.097	ug/l	98
42) Vinyl Acetate	3.81	43	347993	50.267	ug/l	100
43) Ethyl Acetate	4.84	43	41129	10.851	ug/l	98
44) Isopropyl Acetate	6.45	43	62254	10.139	ug/l	100
45) 1,4-Dioxane	7.74	88	12640	209.673	ug/l	96
46) Methyl methacrylate	7.77	41	30737	10.029	ug/l	97
47) n-amyl Acetate	10.90	43	55132	9.967	ug/l	99
48) t-1,3-Dichloropropene	9.04	75	30156	9.481	ug/l	95
49) cis-1,3-Dichloropropene	8.43	75	33953	9.723	ug/l	99
50) 1,1,2-Trichloroethane	9.21	97	21821	10.672	ug/l	97
51) Ethyl methacrylate	9.18	69	37255	9.859	ug/l	97
52) 1,3-Dichloropropane	9.37	76	37998	10.471	ug/l	99
53) Dibromochloromethane	9.58	129	20296	9.967	ug/l	100
54) 1,2-Dibromoethane	9.67	107	21843	10.416	ug/l	99
55) 2-Chloroethyl vinyl ether	8.31	63	104494	51.897	ug/l	99
56) Bromoform	10.85	173	14956	9.568	ug/l	100
58) 4-Methyl-2-Pentanone	8.64	43	212441	54.138	ug/l	99
59) 2-Hexanone	9.49	43	169245	54.988	ug/l	100
61) Tetrachloroethene	9.34	164	19541	11.107	ug/l	94
62) Toluene	8.78	91	89900	10.542	ug/l	99
64) Chlorobenzene	10.14	112	53783	10.479	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.22	131	19519	10.387	ug/l	99
66) Ethyl Benzene	10.25	91	98181	10.335	ug/l	99
67) m/p-Xylenes	10.36	106	71308	20.559	ug/l	100
68) o-Xylene	10.69	106	34938	10.244	ug/l	99
69) Styrene	10.71	104	61410	10.257	ug/l	99
70) Isopropylbenzene	11.02	105	95234	10.383	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.27	83	36609	10.898	ug/l	100
72) 1,2,3-Trichloropropane	11.29	75	41967	14.498	ug/l	84
73) Bromobenzene	11.26	156	23589	10.409	ug/l	97
74) n-propylbenzene	11.36	91	107421	10.106	ug/l	98
75) 2-Chlorotoluene	11.42	91	66476	10.427	ug/l	100
76) 1,3,5-Trimethylbenzene	11.51	105	80796	10.399	ug/l	99
77) t-1,4-Dichloro-2-butene	11.07	75	10851	9.293	ug/l	92
78) 4-Chlorotoluene	11.51	91	73197	10.109	ug/l	99
79) tert-butylbenzene	11.77	119	77366	10.300	ug/l	98
80) 1,2,4-Trimethylbenzene	11.80	105	81192	10.426	ug/l	99
81) sec-Butylbenzene	11.94	105	91565	10.261	ug/l	99
82) p-Isopropyltoluene	12.06	119	83841	10.328	ug/l	99
83) 1,3-Dichlorobenzene	12.02	146	41828	10.335	ug/l	99
84) 1,4-Dichlorobenzene	12.10	146	42411	10.518	ug/l	98
85) n-Butylbenzene	12.38	91	72166	9.716	ug/l	99
86) Hexachloroethane	12.60	117	13170	9.535	ug/l	96
87) 1,2-Dichlorobenzene	12.39	146	43119	10.584	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	13.00	75	7791	9.981	ug/l	95
89) 1,2,4-Trichlorobenzene	13.65	180	28426	9.790	ug/l	99
90) Hexachlorobutadiene	13.78	225	14777	10.188	ug/l	100
91) Naphthalene	13.83	128	93499	9.835	ug/l	100
92) 1,2,3-Trichlorobenzene	14.02	180	28824	9.765	ug/l	98

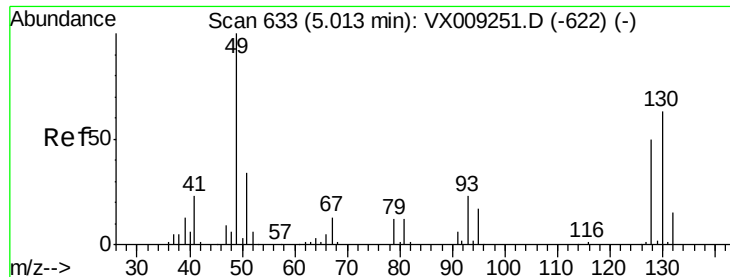
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.01 min Scan# 633

Delta R.T. -0.00 min

Lab File: VX009268.D

Acq: 02 May 2019 11:27

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT2-2019

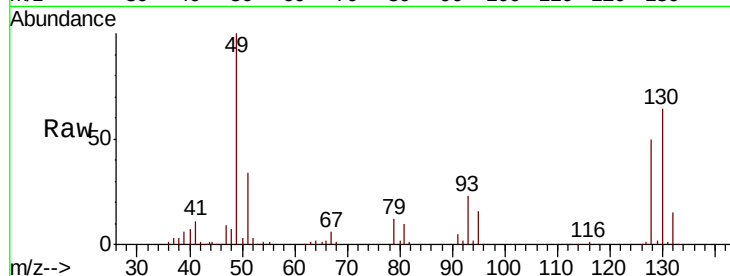
Tot Ion:128 Resp: 32034

Ion Ratio Lower Upper

128 100

49 199.5 0.0 515.0

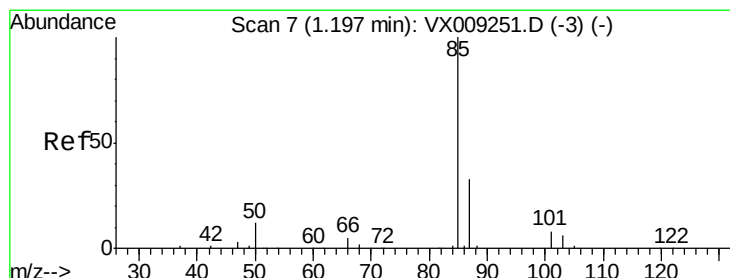
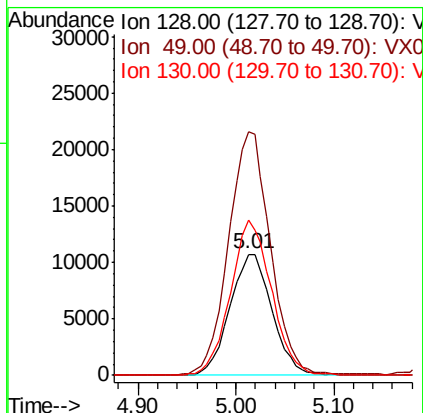
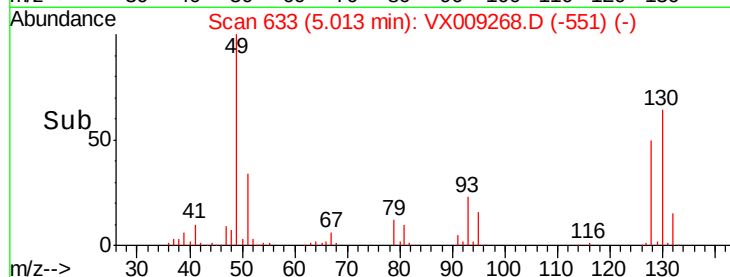
130 125.1 0.0 323.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 8.990 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX009268.D

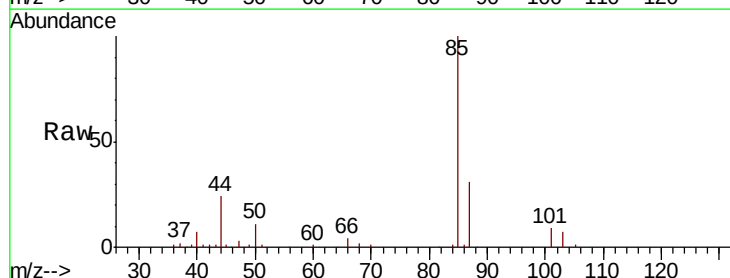
Acq: 02 May 2019 11:27

Tgt Ion: 85 Resp: 15303

Ion Ratio Lower Upper

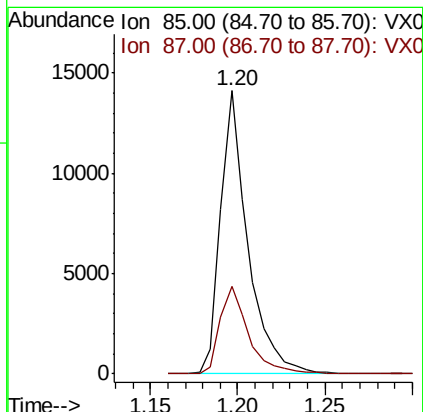
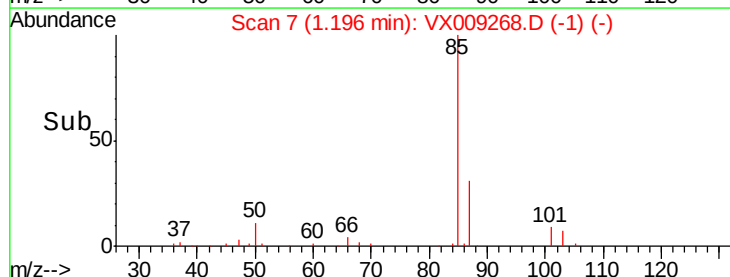
85 100

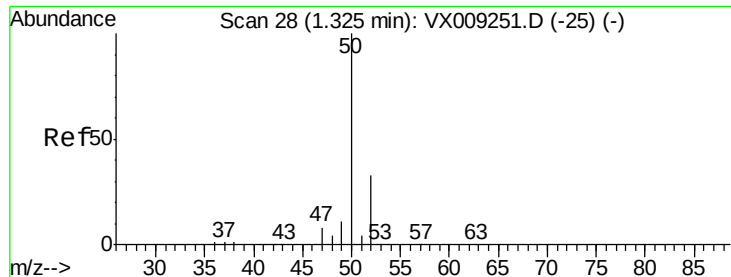
87 31.2 16.3 48.9



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#3

Chloromethane

Concen: 9.252 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009268.D

Acq: 02 May 2019 11:27

Instrument :

MSVOA_X

ClientSampleId :

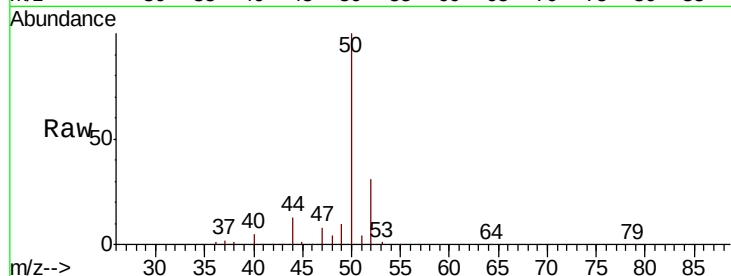
LOQ-WATER-02-QT2-2019

Tot Ion: 50 Resp: 21169

Ion Ratio Lower Upper

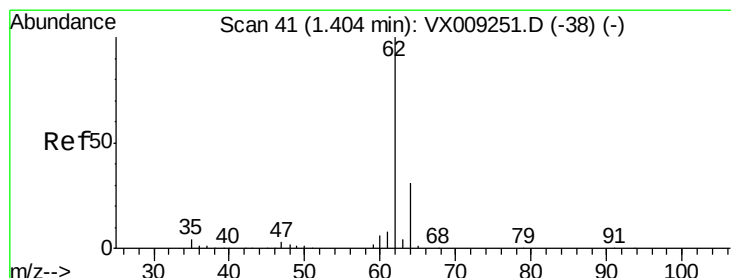
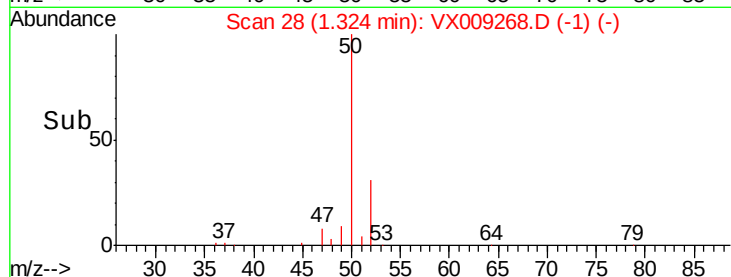
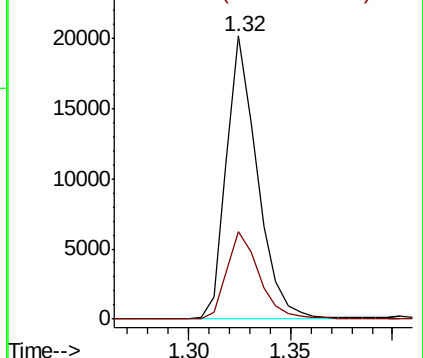
50 100

52 31.0 26.3 39.5



Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#4

Vinyl Chloride

Concen: 9.111 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.01 min

Lab File: VX009268.D

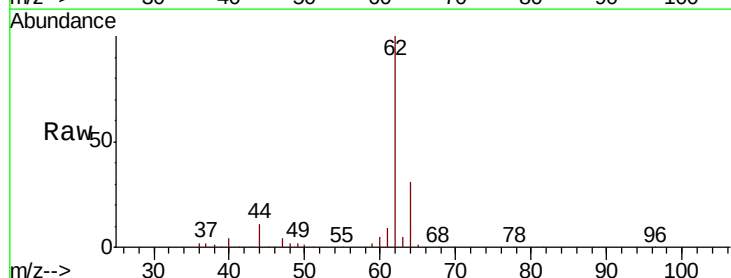
Acq: 02 May 2019 11:27

Tgt Ion: 62 Resp: 20795

Ion Ratio Lower Upper

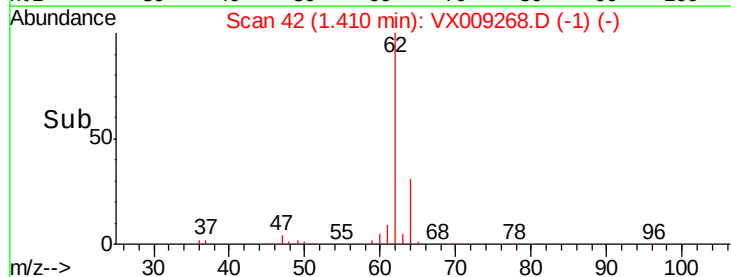
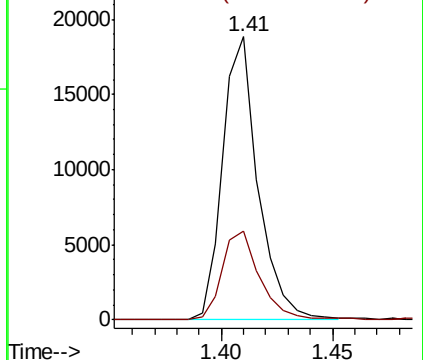
62 100

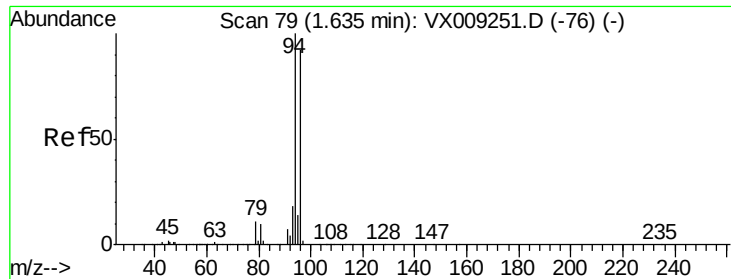
64 31.3 24.6 36.8



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.00 (63.70 to 64.70): VX0





#5

Bromomethane

Concen: 8.811 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX009268.D

Acq: 02 May 2019 11:27

Instrument :

MSVOA_X

ClientSampleId :

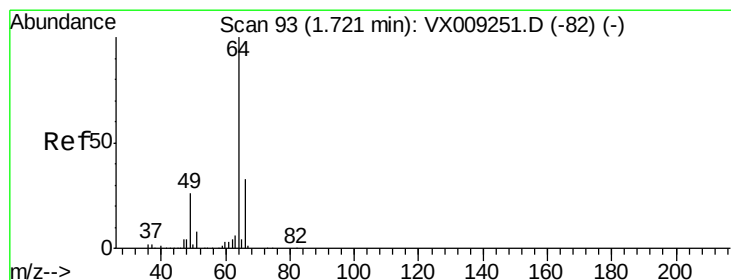
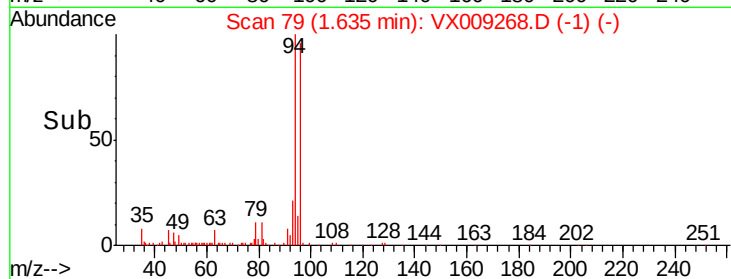
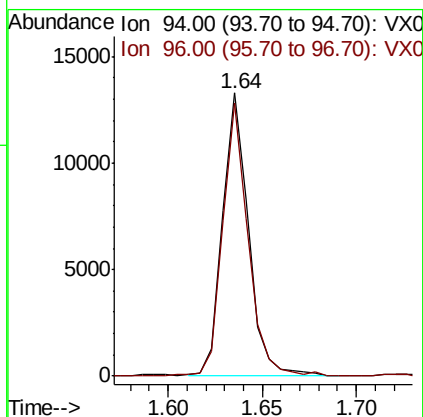
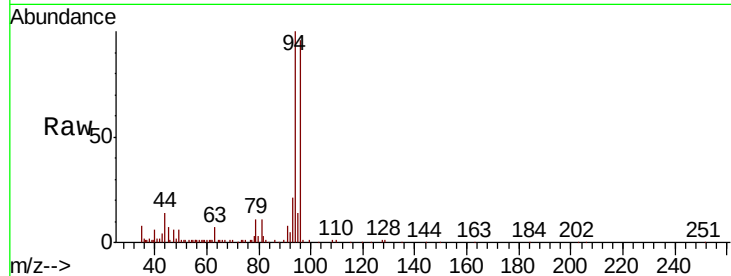
LOQ-WATER-02-QT2-2019

Tot Ion: 94 Resp: 12749

Ion Ratio Lower Upper

94 100

96 96.4 73.5 110.3



#6

Chloroethane

Concen: 8.814 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX009268.D

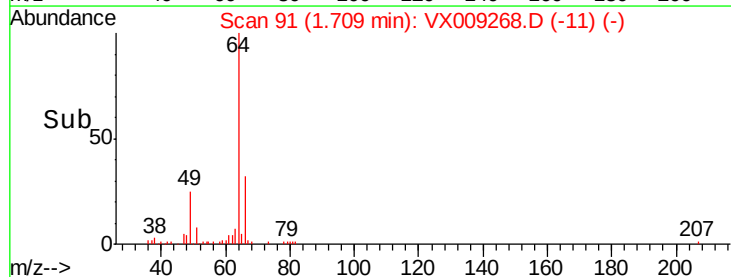
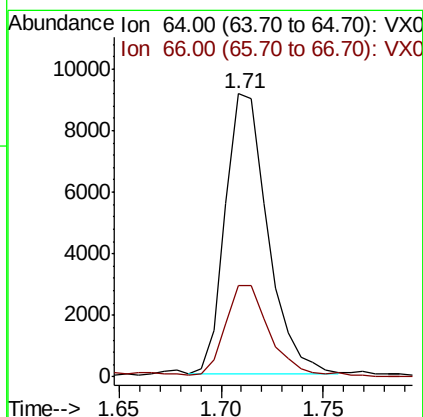
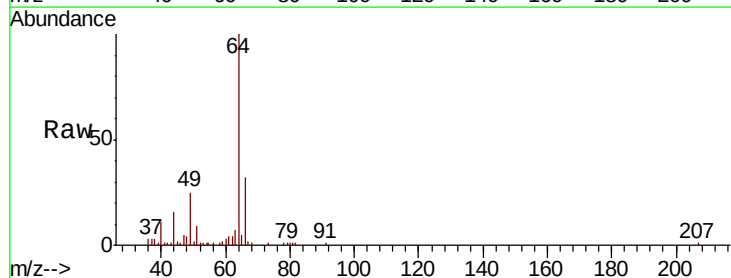
Acq: 02 May 2019 11:27

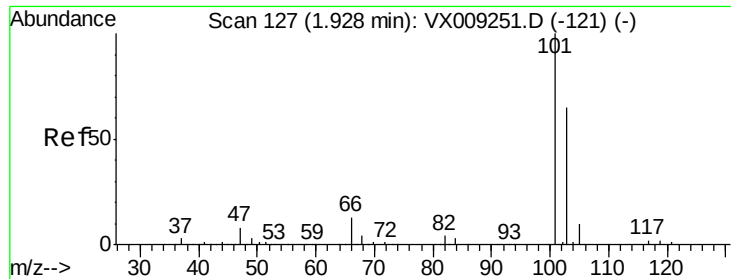
Tgt Ion: 64 Resp: 13194

Ion Ratio Lower Upper

64 100

66 32.0 25.9 38.9



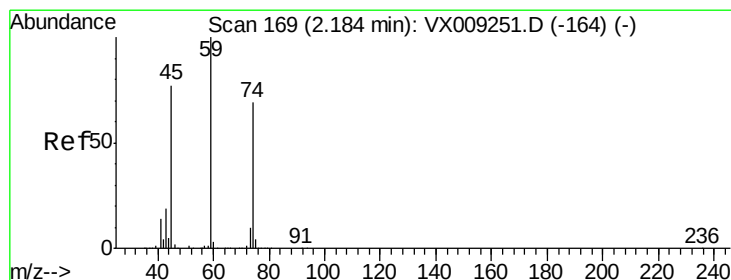
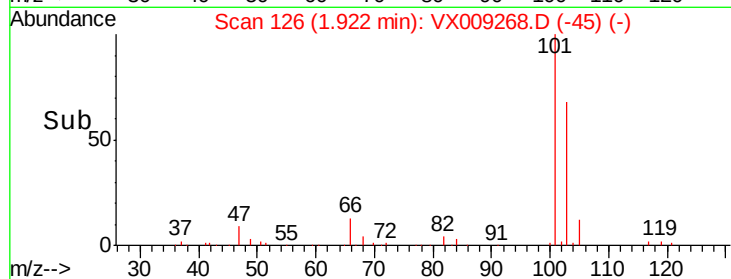
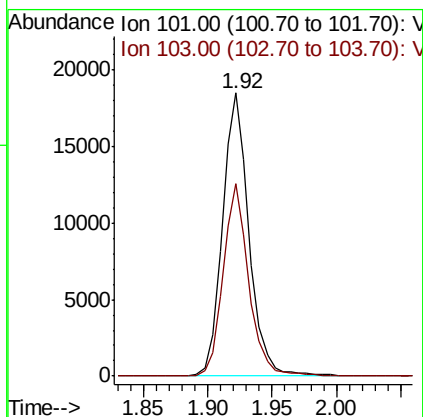
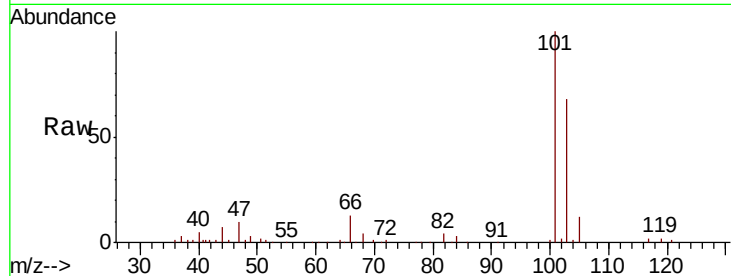


#7

Trichlorofluoromethane
Concen: 9.477 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.01 min
Lab File: VX009268.D
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Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT2-2019

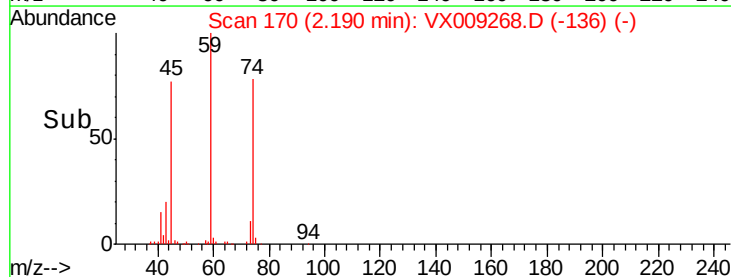
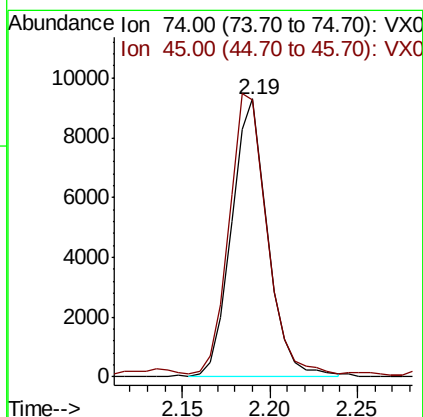
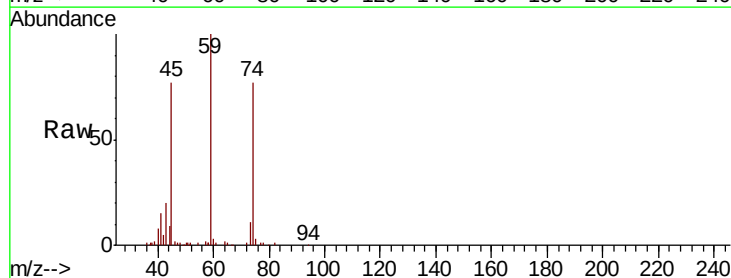
Tot Ion:101 Resp: 26710
Ion Ratio Lower Upper
101 100
103 67.9 51.9 77.9

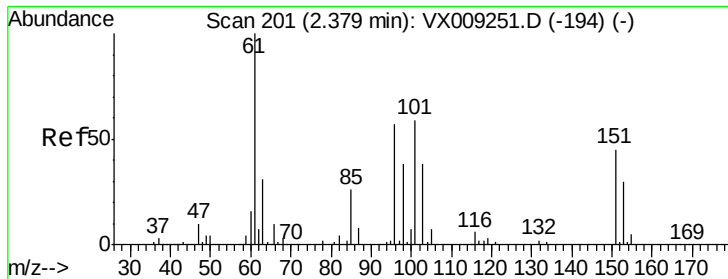


#8

Diethyl Ether
Concen: 10.194 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX009268.D
Acq: 02 May 2019 11:27

Tgt Ion: 74 Resp: 13341
Ion Ratio Lower Upper
74 100
45 105.8 21.5 193.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 9.941 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX009268.D

Acq: 02 May 2019 11:27

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT2-2019

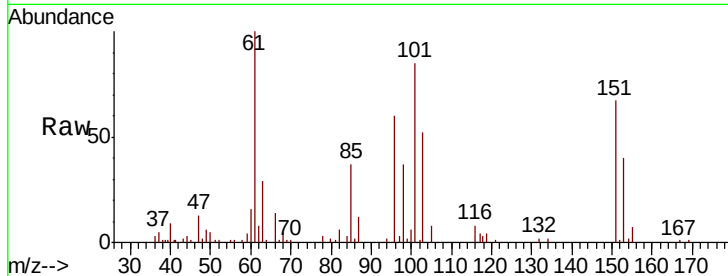
Tot Ion:101 Resp: 17348

Ion Ratio Lower Upper

101 100

85 45.0 0.0 87.4

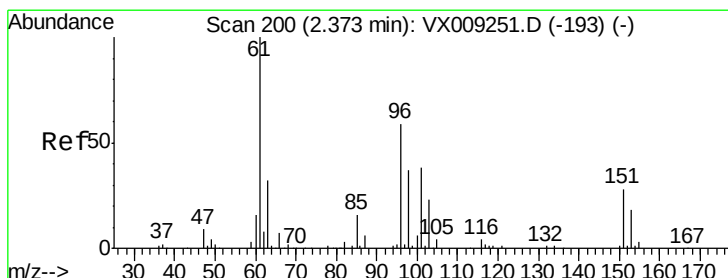
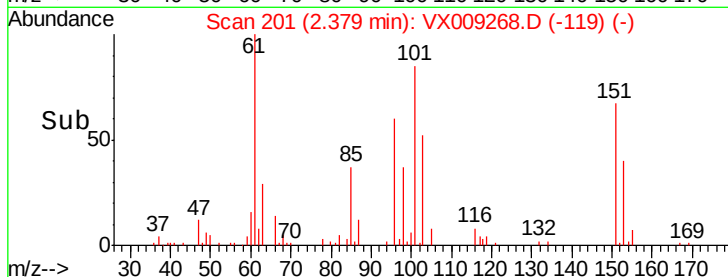
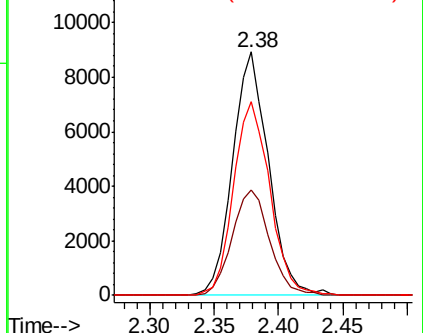
151 80.0 0.0 157.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VX0

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 9.745 ug/l

RT: 2.37 min Scan# 199

Delta R.T. -0.01 min

Lab File: VX009268.D

Acq: 02 May 2019 11:27

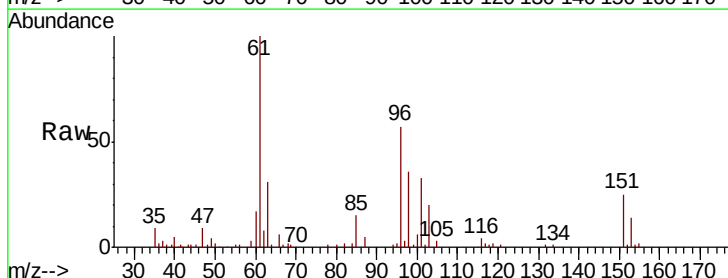
Tgt Ion: 96 Resp: 17075

Ion Ratio Lower Upper

96 100

61 176.3 136.5 204.7

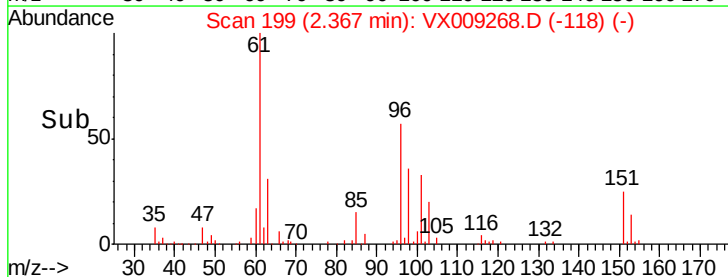
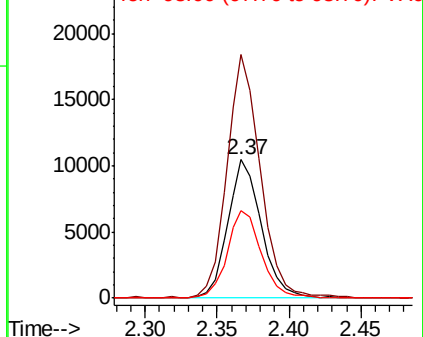
98 62.9 51.0 76.4

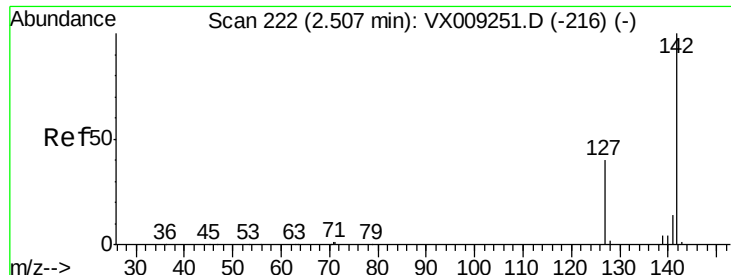


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

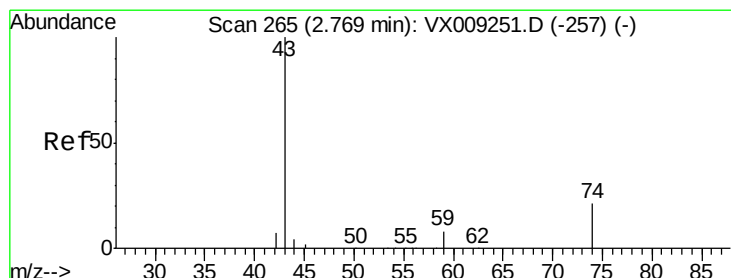
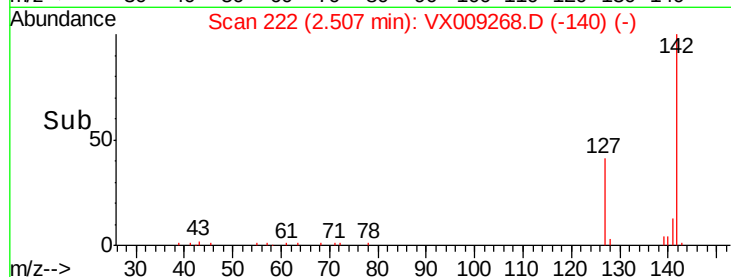
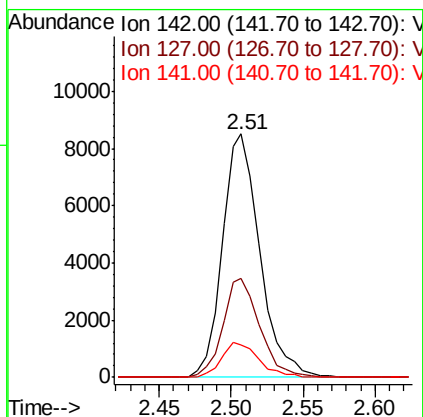
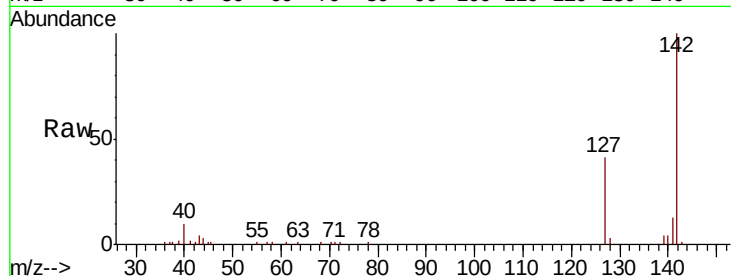




#11
Methvl Iodide
Concen: 8.115 ug/l
RT: 2.51 min Scan# 222
Delta R.T. -0.00 min
Lab File: VX009268.D
Acq: 02 May 2019 11:27

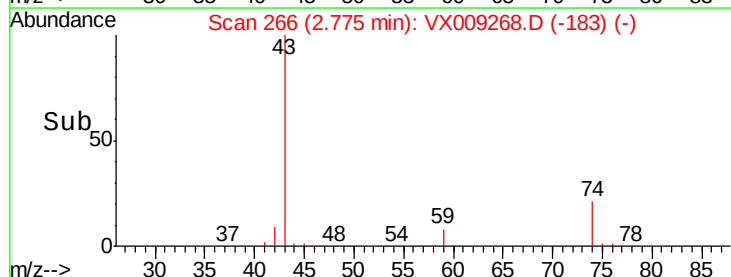
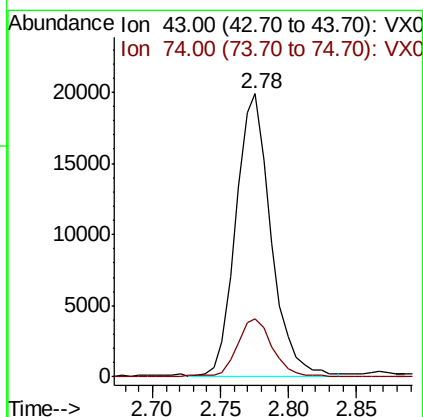
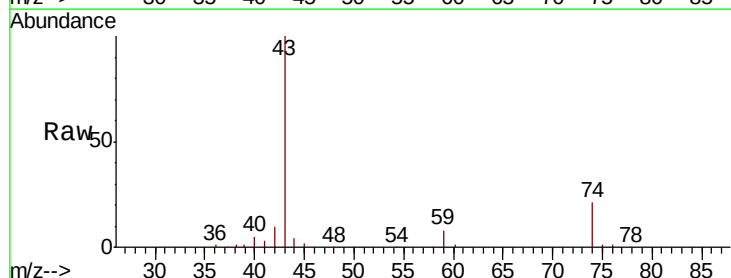
Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT2-2019

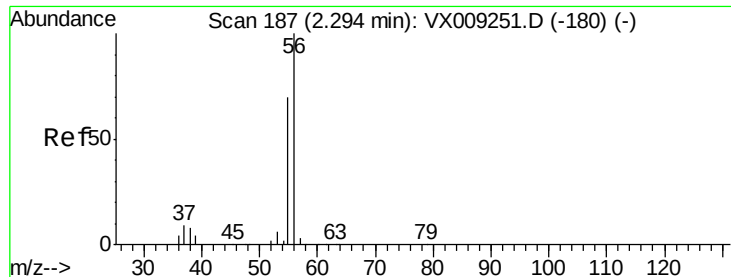
Tot Ion:142 Resp: 15456
Ion Ratio Lower Upper
142 100
127 40.8 20.2 60.5
141 13.1 6.9 20.7



#12
Methyl Acetate
Concen: 10.761 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.01 min
Lab File: VX009268.D
Acq: 02 May 2019 11:27

Tgt Ion: 43 Resp: 35513
Ion Ratio Lower Upper
43 100
74 20.3 16.5 24.7





#13

Acrolein

Concen: 56.379 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX009268.D

Acq: 02 May 2019 11:27

Instrument :

MSVOA_X

ClientSampleId :

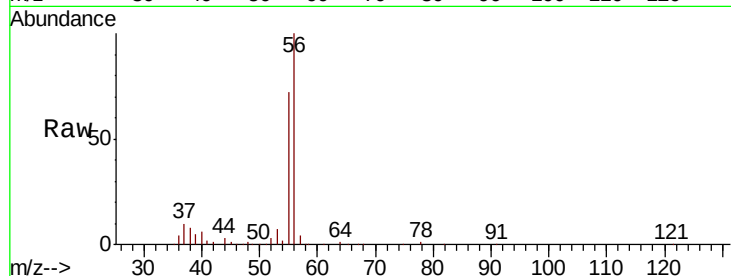
LOQ-WATER-02-QT2-2019

Tot Ion: 56 Resp: 25520

Ion Ratio Lower Upper

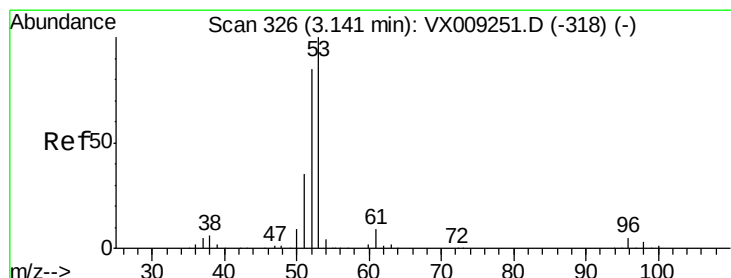
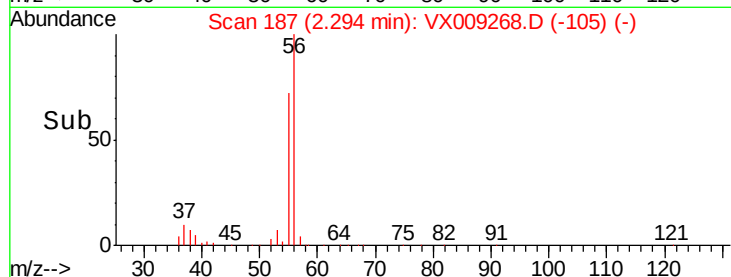
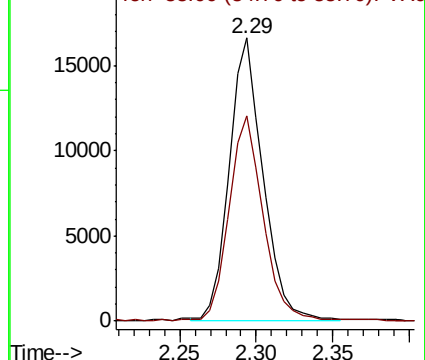
56 100

55 72.8 56.9 85.3



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Acrylonitrile

Concen: 51.861 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX009268.D

Acq: 02 May 2019 11:27

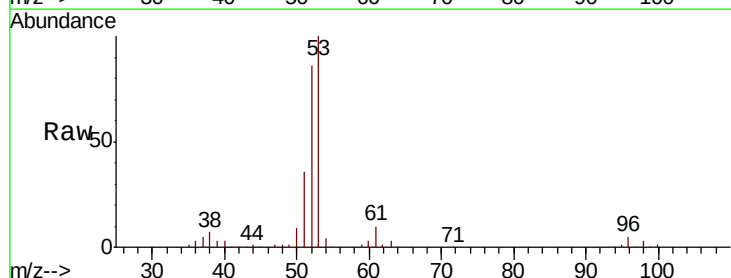
Tgt Ion: 53 Resp: 74278

Ion Ratio Lower Upper

53 100

52 83.1 41.5 124.5

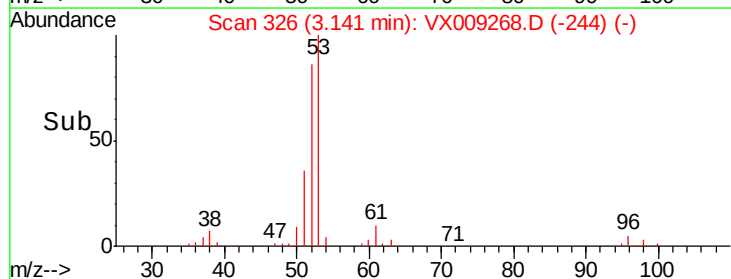
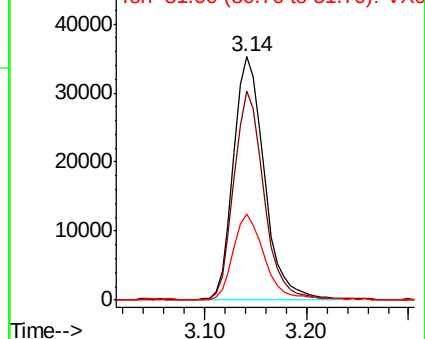
51 35.9 17.8 53.3

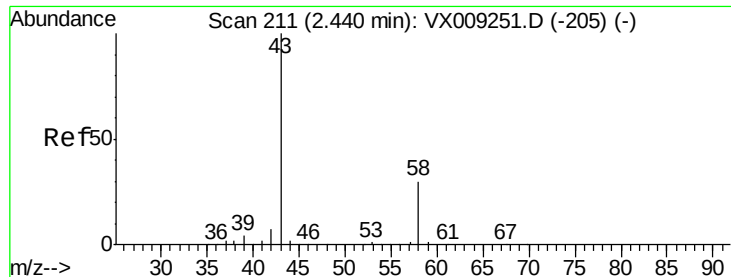


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#15

Acetone

Concen: 49.468 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.01 min

Lab File: VX009268.D

Acq: 02 May 2019 11:27

Instrument :

MSVOA_X

ClientSampleId :

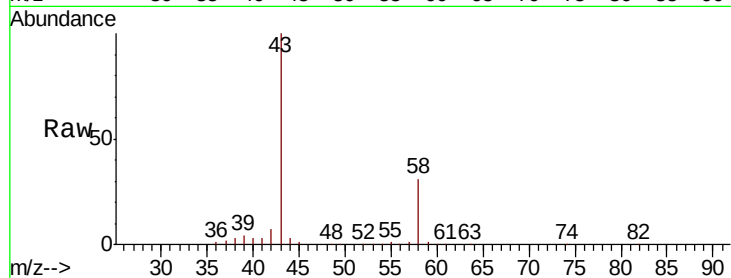
LOQ-WATER-02-QT2-2019

Tot Ion: 58 Resp: 20342

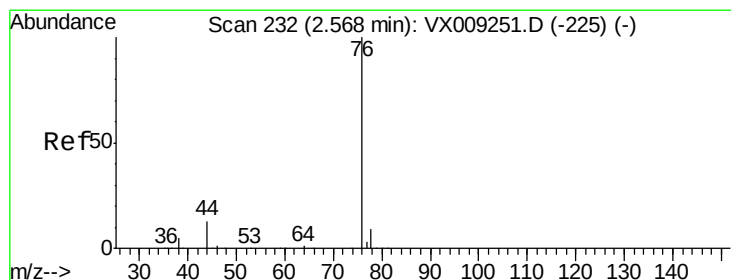
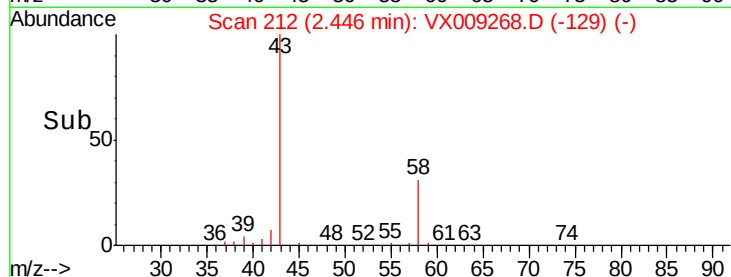
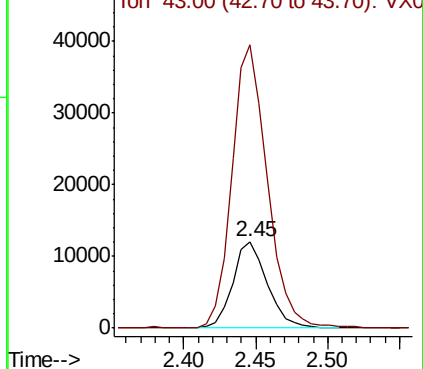
Ion Ratio Lower Upper

58 100

43 326.0 264.0 396.0



Abundance Ion 58.00 (57.70 to 58.70): VX0



#16

Carbon Disulfide

Concen: 8.205 ug/l

RT: 2.56 min Scan# 231

Delta R.T. -0.01 min

Lab File: VX009268.D

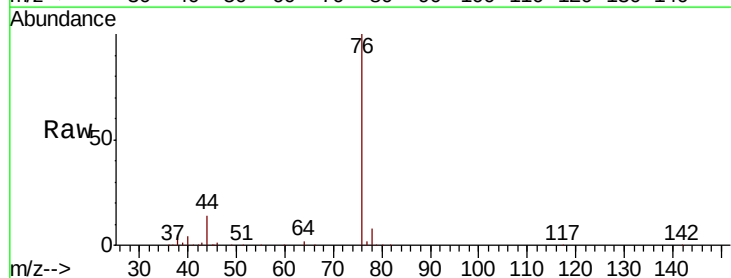
Acq: 02 May 2019 11:27

Tgt Ion: 76 Resp: 38899

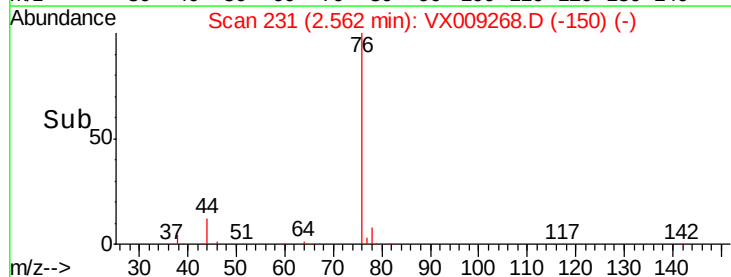
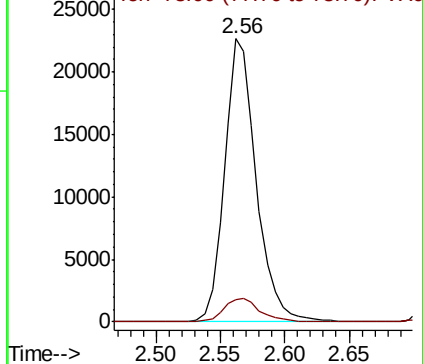
Ion Ratio Lower Upper

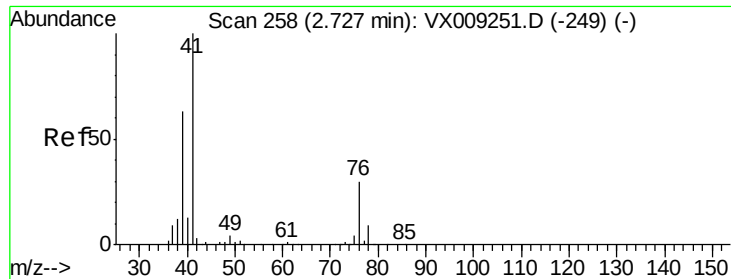
76 100

78 8.0 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VX0

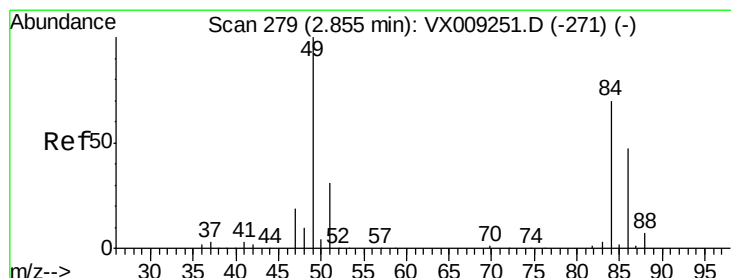
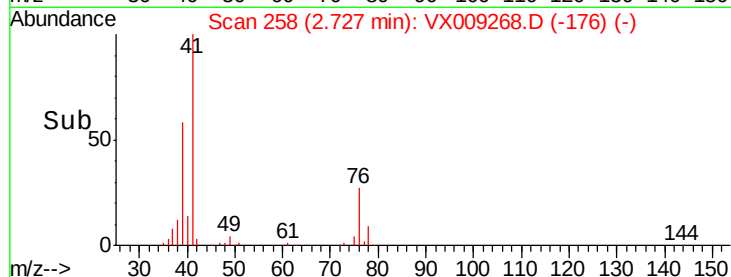
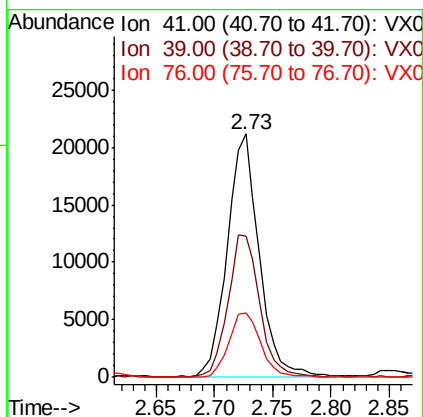
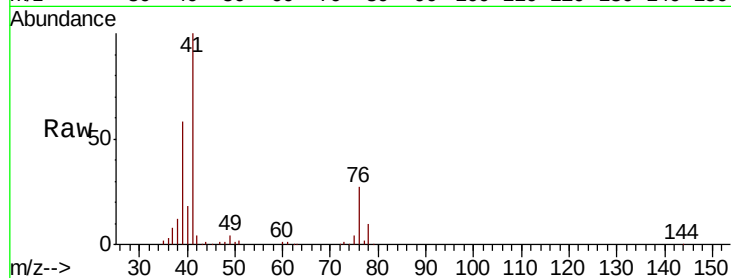




#17
Allvl chloride
Concen: 9.478 ug/l
RT: 2.73 min Scan# 258
Delta R.T. -0.00 min
Lab File: VX009268.D
Acq: 02 May 2019 11:27

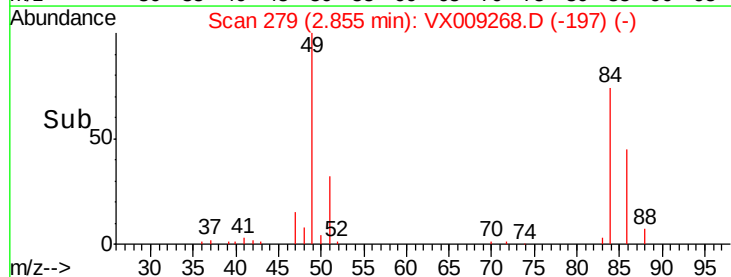
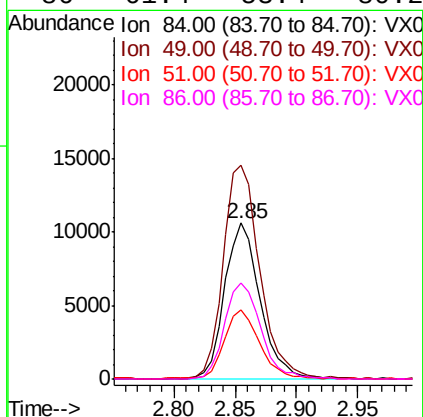
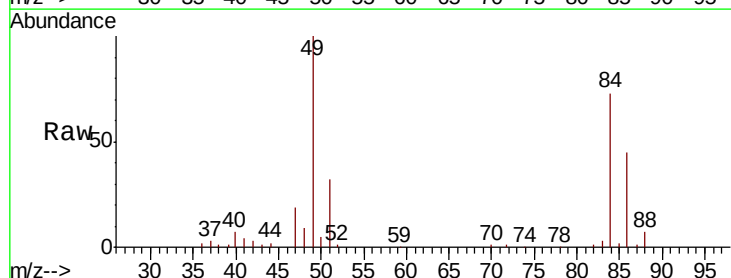
Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT2-2019

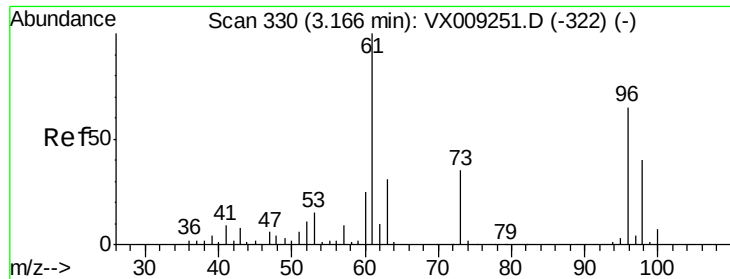
Tot Ion: 41 Resp: 39870
Ion Ratio Lower Upper
41 100
39 57.9 31.6 94.7
76 26.7 15.1 45.3



#18
Methylene Chloride
Concen: 10.054 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX009268.D
Acq: 02 May 2019 11:27

Tgt Ion: 84 Resp: 21291
Ion Ratio Lower Upper
84 100
49 136.3 114.6 171.8
51 44.3 35.5 53.3
86 61.4 53.4 80.2

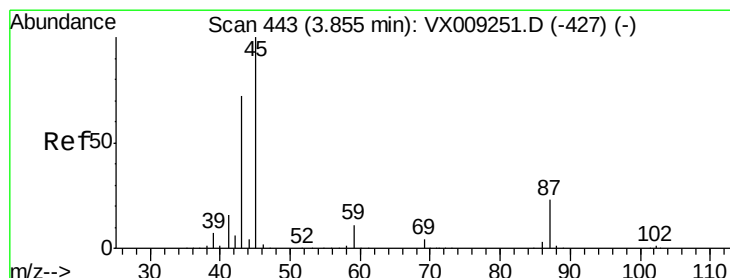
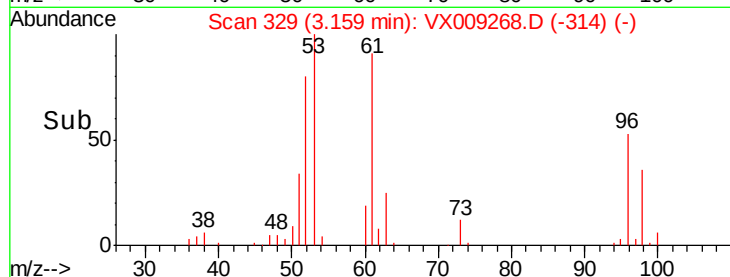
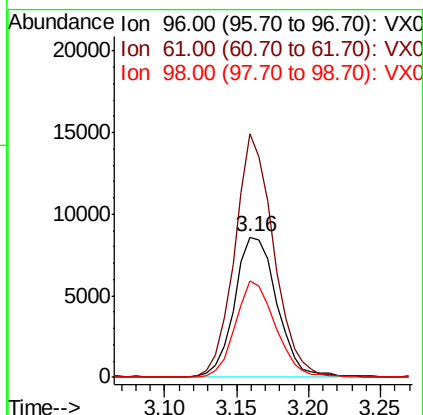
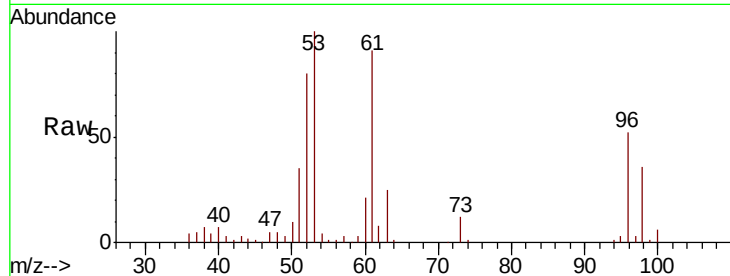




#19
trans-1,2-Dichloroethene
Concen: 9.417 ug/l
RT: 3.16 min Scan# 329
Delta R.T. -0.01 min
Lab File: VX009268.D
Acq: 02 May 2019 11:27

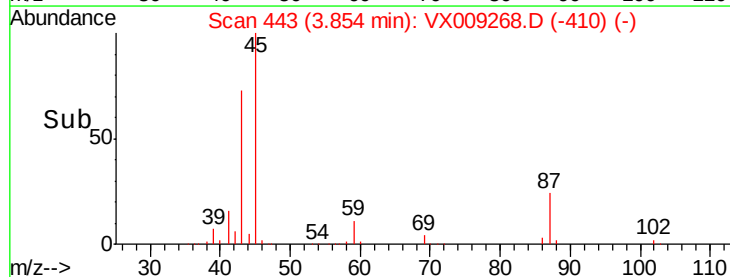
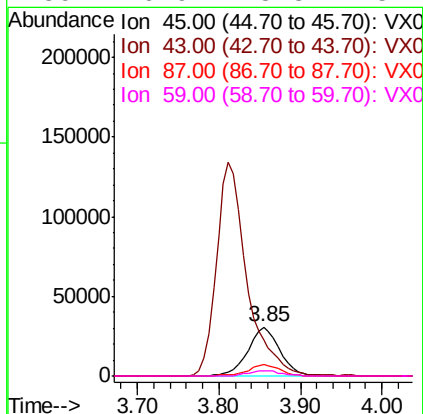
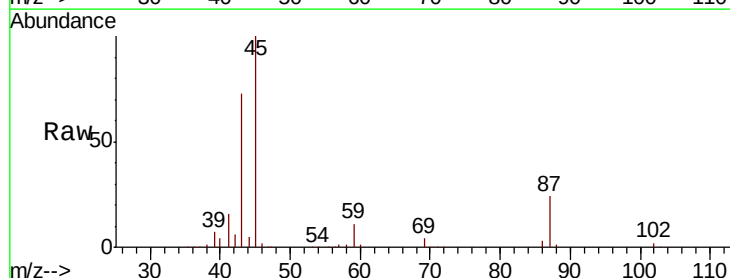
Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT2-2019

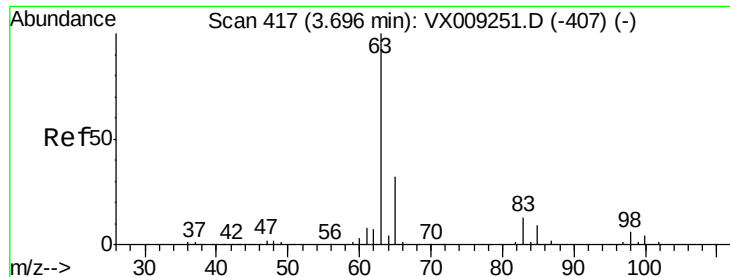
Tot Ion: 96 Resp: 17593
Ion Ratio Lower Upper
96 100
61 173.5 122.7 184.1
98 68.8 49.5 74.3



#20
Diisopropyl ether
Concen: 10.175 ug/l
RT: 3.85 min Scan# 443
Delta R.T. -0.00 min
Lab File: VX009268.D
Acq: 02 May 2019 11:27

Tgt Ion: 45 Resp: 84285
Ion Ratio Lower Upper
45 100
43 72.4 57.7 86.5
87 23.5 18.5 27.7
59 10.9 8.8 13.2





#21

1,1-Dichloroethane

Concen: 10.061 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX009268.D

Acq: 02 May 2019 11:27

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT2-2019

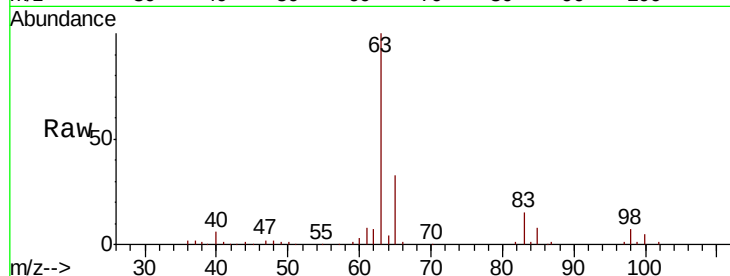
Tot Ion: 63 Resp: 40332

Ion Ratio Lower Upper

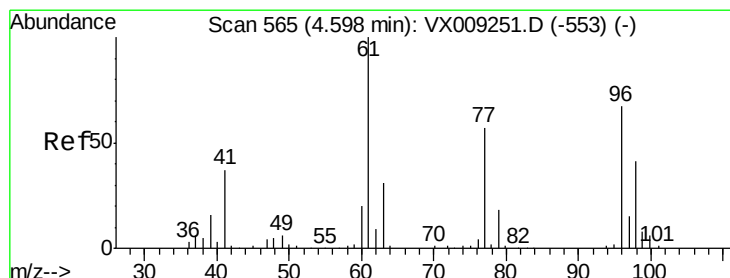
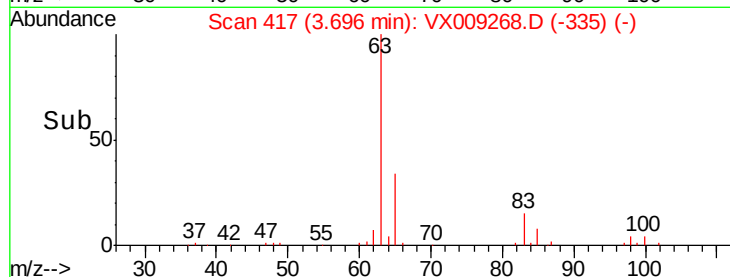
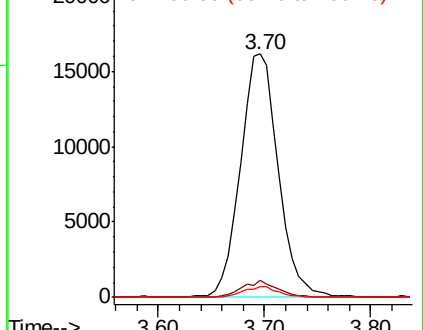
63 100

98 6.9 3.1 9.3

100 4.6 2.2 6.6



Abundance Ion 63.00 (62.70 to 63.70): VX0
Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0



#22

cis-1,2-Dichloroethene

Concen: 9.750 ug/l

RT: 4.59 min Scan# 564

Delta R.T. -0.01 min

Lab File: VX009268.D

Acq: 02 May 2019 11:27

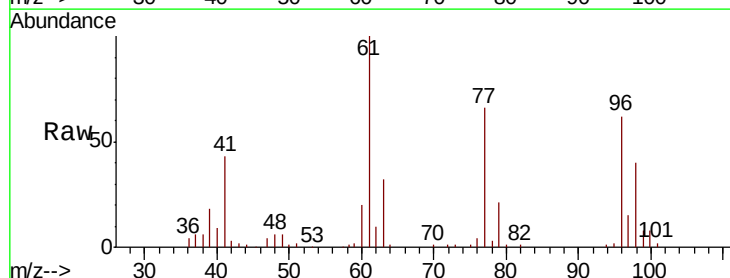
Tgt Ion: 96 Resp: 21940

Ion Ratio Lower Upper

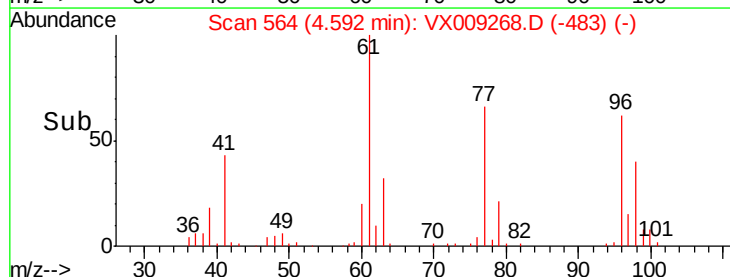
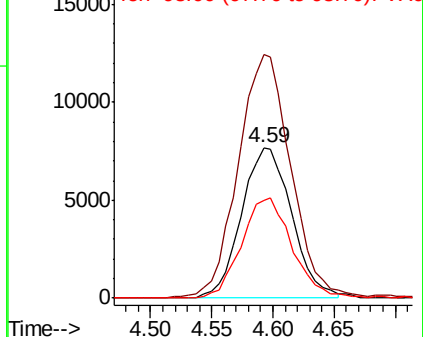
96 100

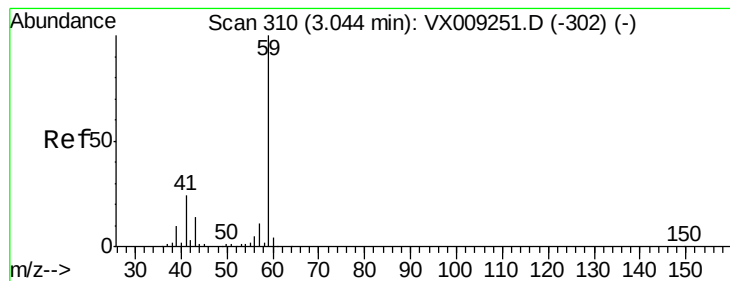
61 169.4 127.7 191.5

98 66.9 50.5 75.7



Abundance Ion 96.00 (95.70 to 96.70): VX0
Ion 61.00 (60.70 to 61.70): VX0
Ion 98.00 (97.70 to 98.70): VX0





#23

tert-Butyl Alcohol

Concen: 50.639 ug/l

RT: 3.06 min Scan# 312

Delta R.T. 0.01 min

Lab File: VX009268.D

Acq: 02 May 2019 11:27

Instrument :

MSVOA_X

ClientSampleId :

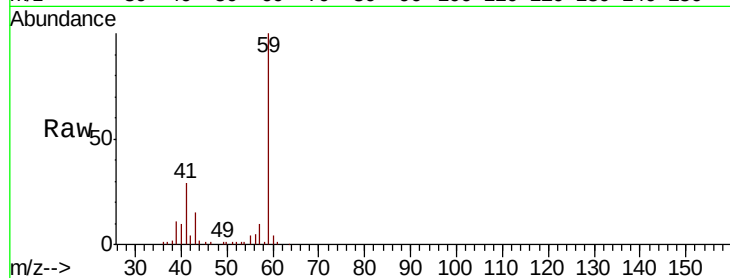
LOQ-WATER-02-QT2-2019

Tot Ion: 59 Resp: 30668

Ion Ratio Lower Upper

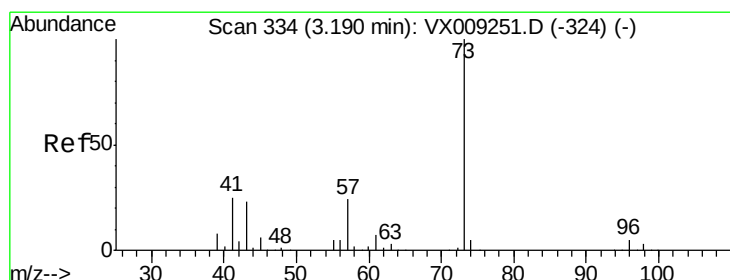
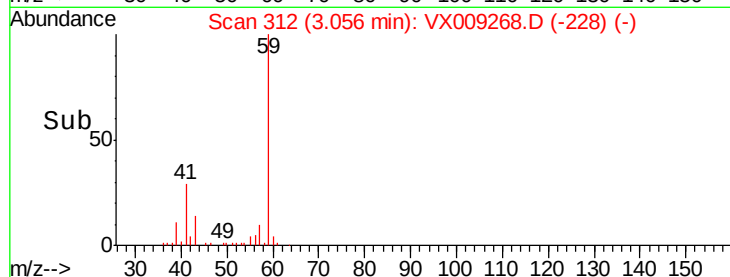
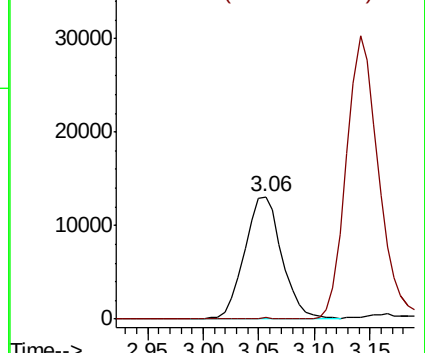
59 100

52 0.8 0.2 0.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#24

Methyl tert-Butyl Ether

Concen: 9.984 ug/l

RT: 3.20 min Scan# 335

Delta R.T. 0.01 min

Lab File: VX009268.D

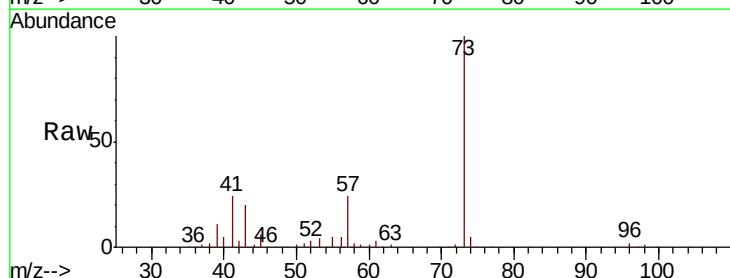
Acq: 02 May 2019 11:27

Tgt Ion: 73 Resp: 68458

Ion Ratio Lower Upper

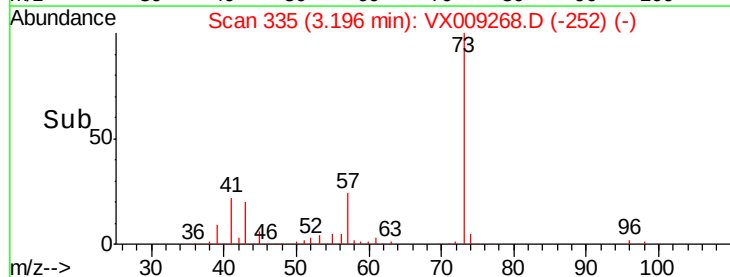
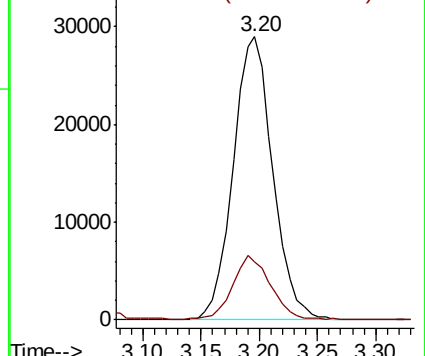
73 100

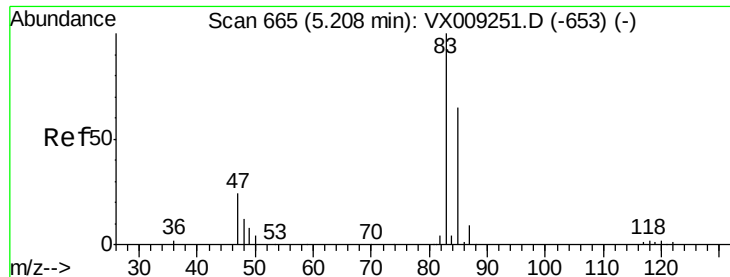
43 22.0 17.6 26.4



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 43.00 (42.70 to 43.70): VX0





#25

Chloroform

Concen: 10.252 ug/l

RT: 5.21 min Scan# 665

Delta R.T. -0.00 min

Lab File: VX009268.D

Acq: 02 May 2019 11:27

Instrument :

MSVOA_X

ClientSampleId :

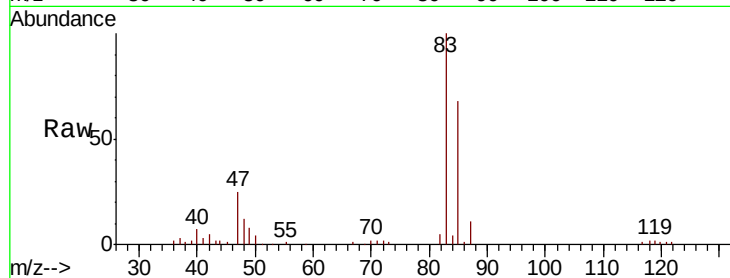
LOQ-WATER-02-QT2-2019

Tot Ion: 83 Resp: 37507

Ion Ratio Lower Upper

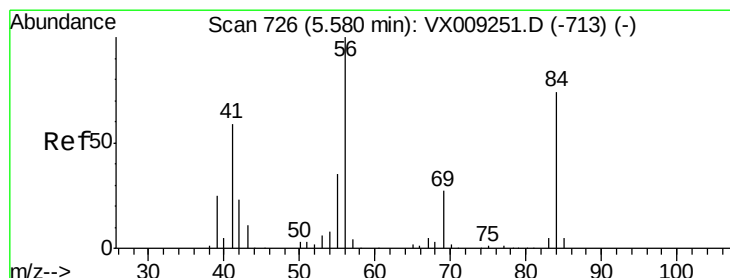
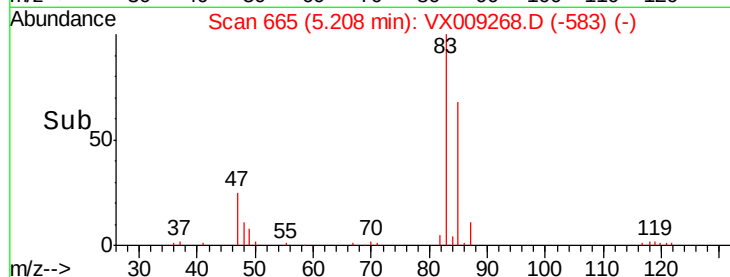
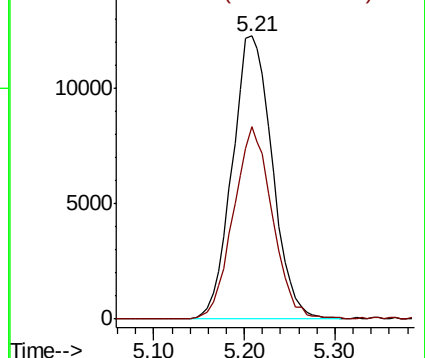
83 100

85 68.2 51.9 77.9



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0



#26

Cyclohexane

Concen: 9.491 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.01 min

Lab File: VX009268.D

Acq: 02 May 2019 11:27

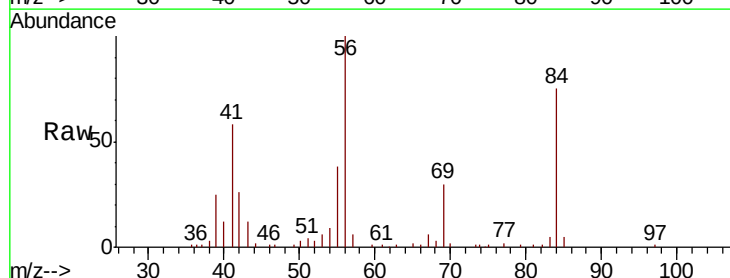
Tgt Ion: 56 Resp: 35459

Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

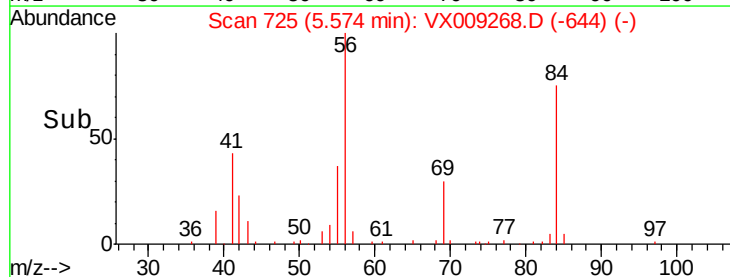
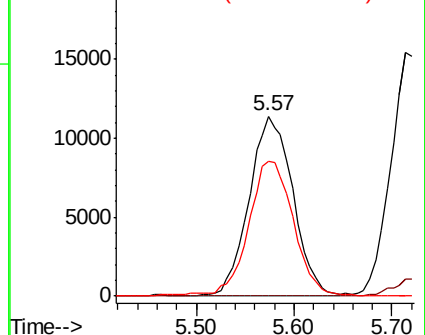
84 75.7 59.7 89.5

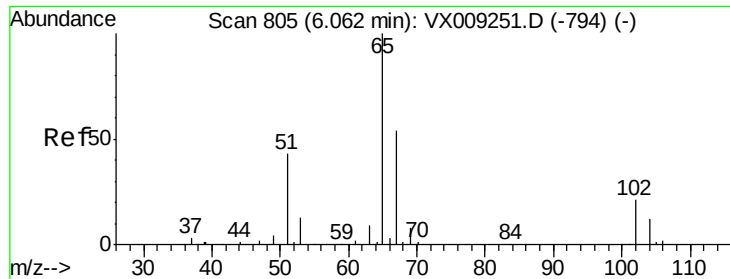


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 89.00 (88.70 to 89.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

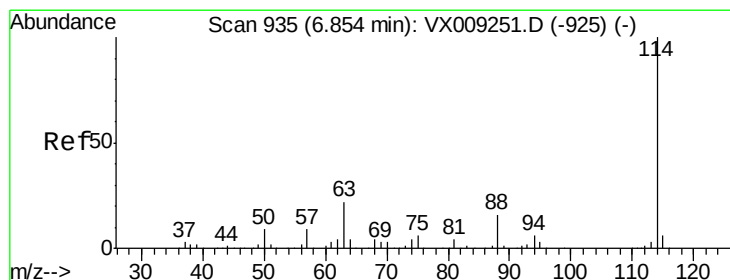
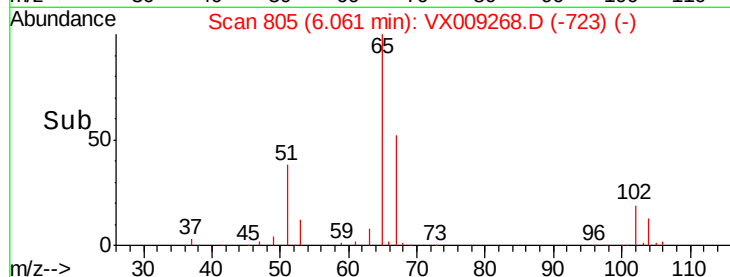
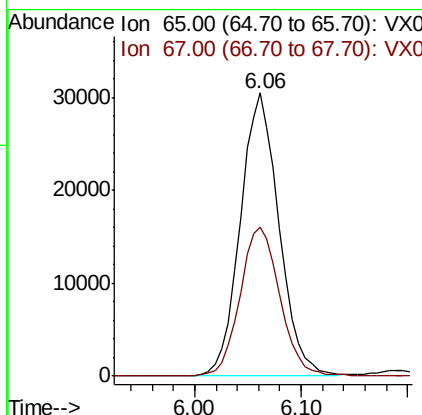
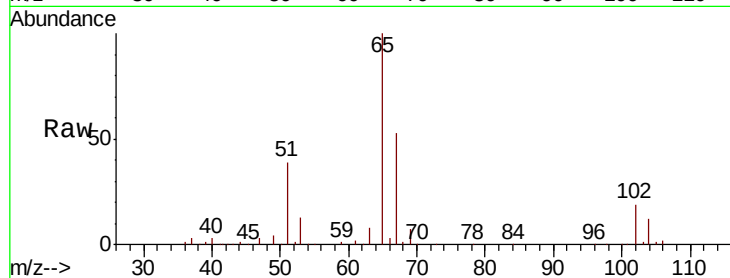




#27
 1,2-Dichloroethane-d4
 Concen: 29.264 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX009268.D
 Acq: 02 May 2019 11:27

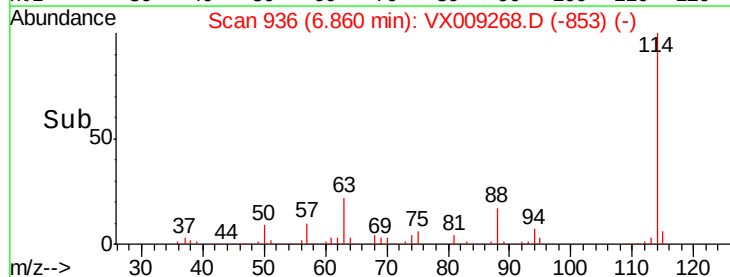
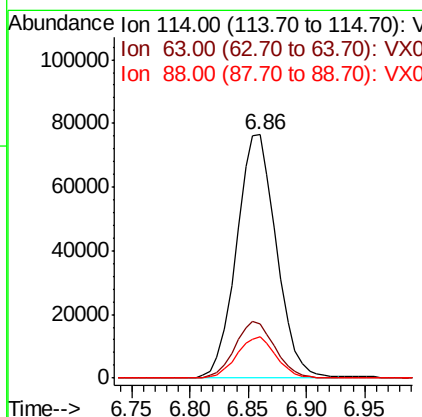
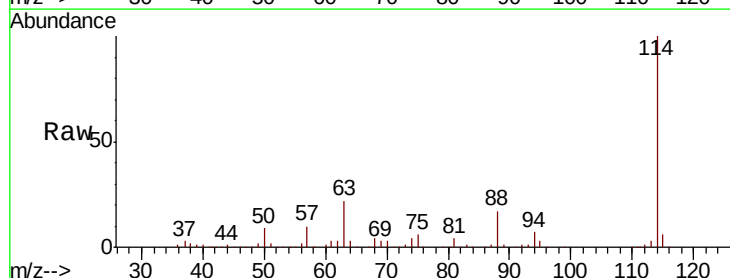
Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT2-2019

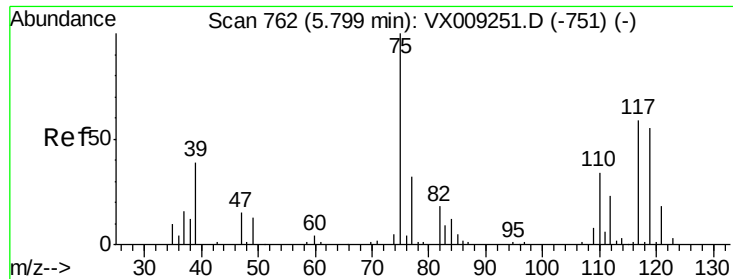
Tot Ion: 65 Resp: 77764
 Ion Ratio Lower Upper
 65 100
 67 54.0 43.1 64.7



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.01 min
 Lab File: VX009268.D
 Acq: 02 May 2019 11:27

Tgt Ion: 114 Resp: 182535
 Ion Ratio Lower Upper
 114 100
 63 23.3 18.0 27.0
 88 16.6 13.4 20.0

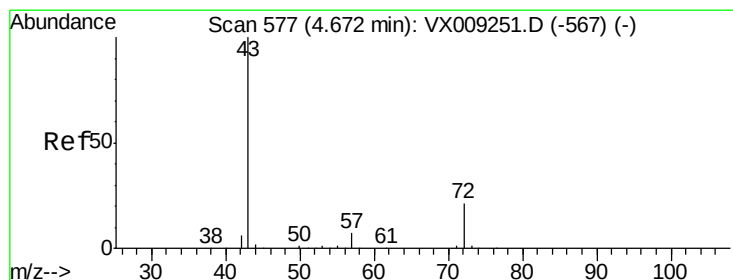
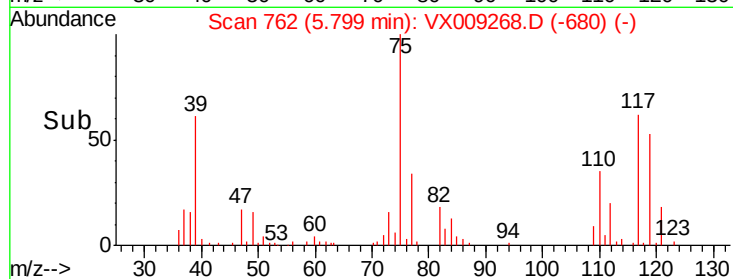
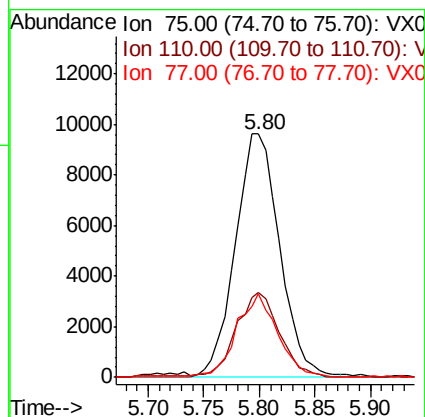
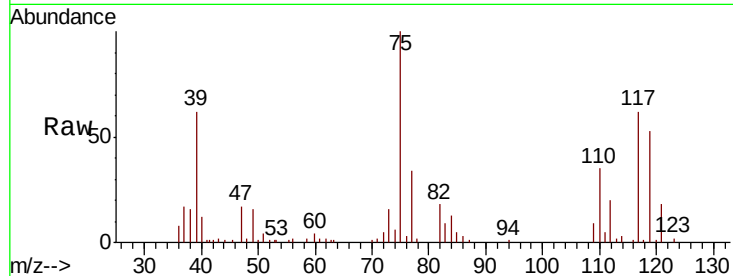




#29
 1,1-Dichloropropene
 Concen: 9.976 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VX009268.D
 Acq: 02 May 2019 11:27

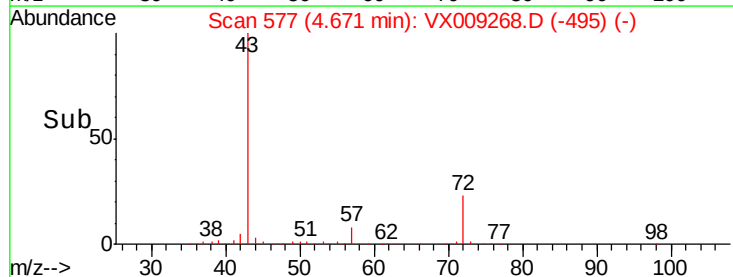
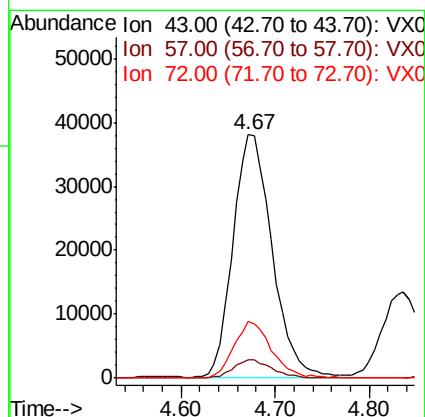
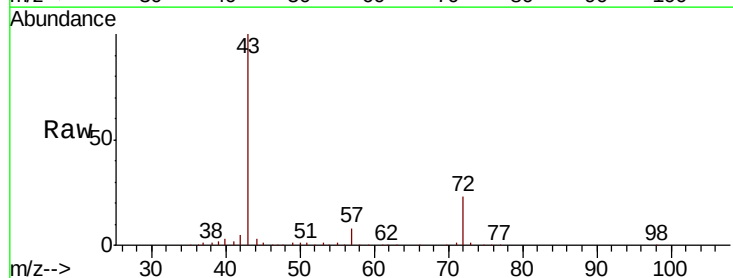
Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT2-2019

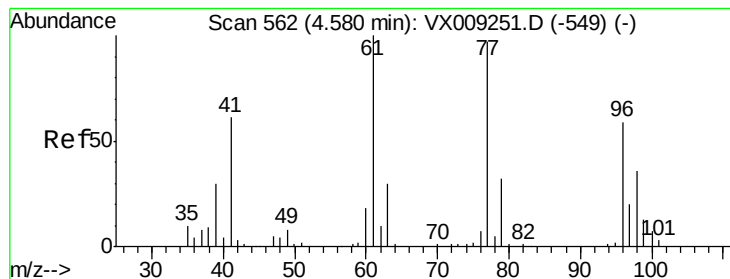
Tot Ion: 75 Resp: 26720
 Ion Ratio Lower Upper
 75 100
 110 33.9 0.0 66.4
 77 31.8 0.0 62.2



#30
 2-Butanone
 Concen: 52.468 ug/l
 RT: 4.67 min Scan# 577
 Delta R.T. -0.00 min
 Lab File: VX009268.D
 Acq: 02 May 2019 11:27

Tgt Ion: 43 Resp: 110055
 Ion Ratio Lower Upper
 43 100
 57 7.5 6.0 9.0
 72 22.5 18.2 27.4





#31

2,2-Dichloropropane

Concen: 10.073 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX009268.D

Acq: 02 May 2019 11:27

Instrument :

MSVOA_X

ClientSampleId :

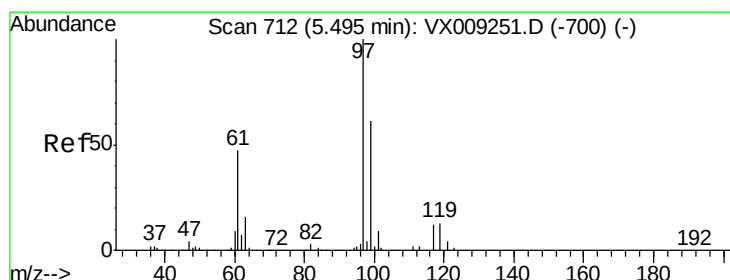
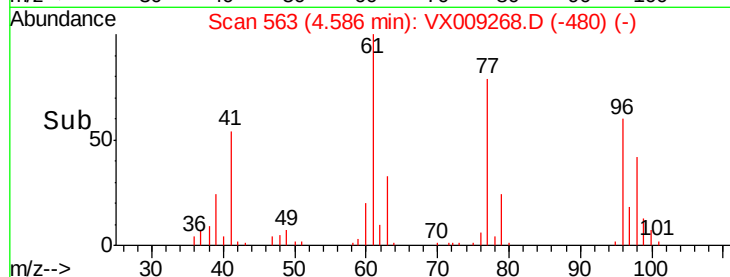
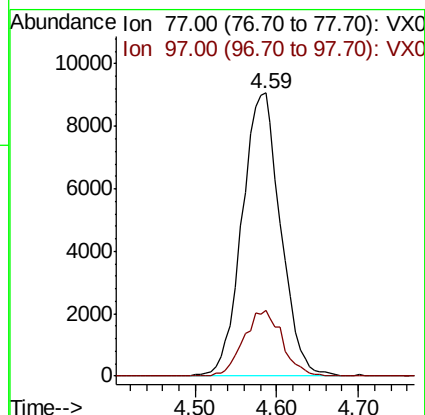
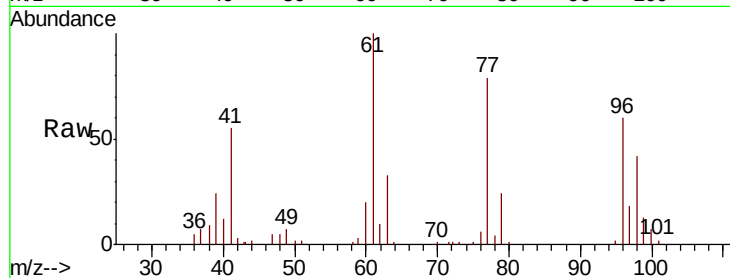
LOQ-WATER-02-QT2-2019

Tot Ion: 77 Resp: 29742

Ion Ratio Lower Upper

77 100

97 23.2 18.3 27.5



#32

1,1,1-Trichloroethane

Concen: 10.385 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

Lab File: VX009268.D

Acq: 02 May 2019 11:27

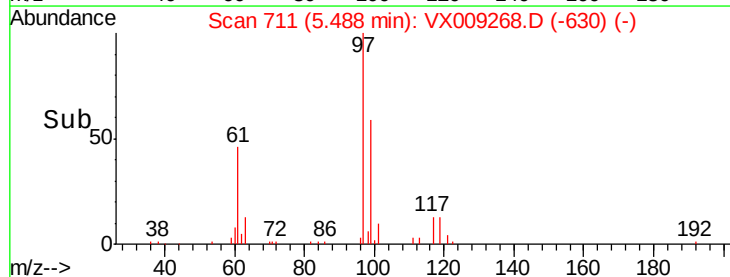
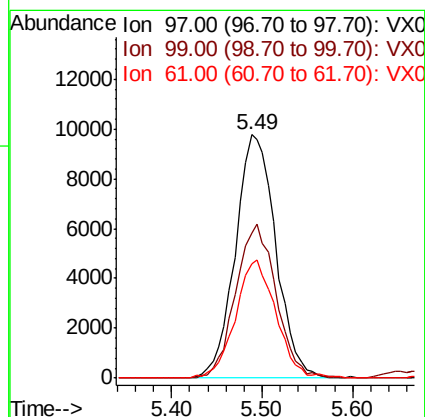
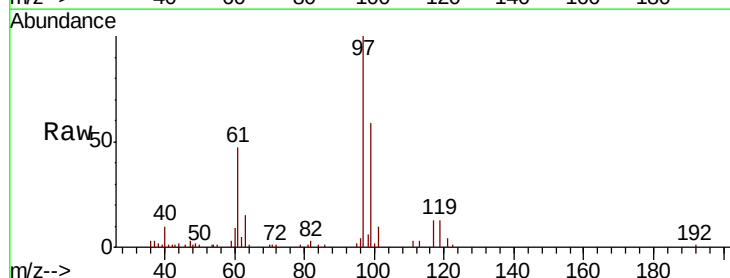
Tgt Ion: 97 Resp: 30153

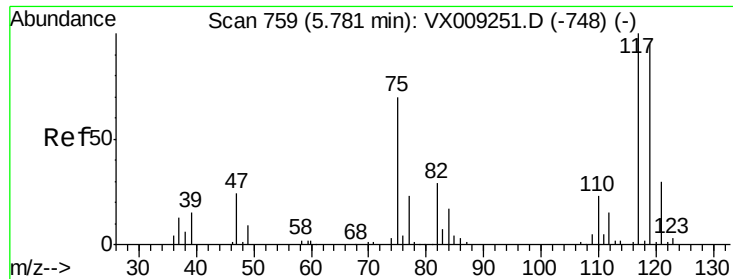
Ion Ratio Lower Upper

97 100

99 62.6 53.9 80.9

61 48.1 38.6 58.0

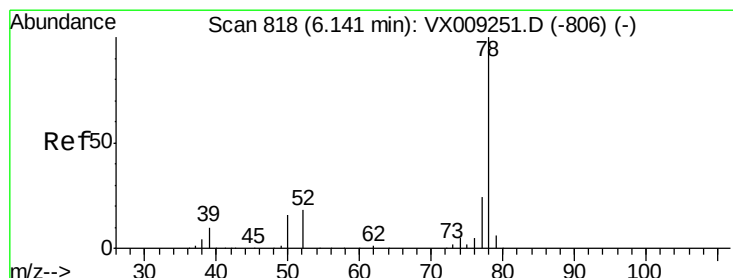
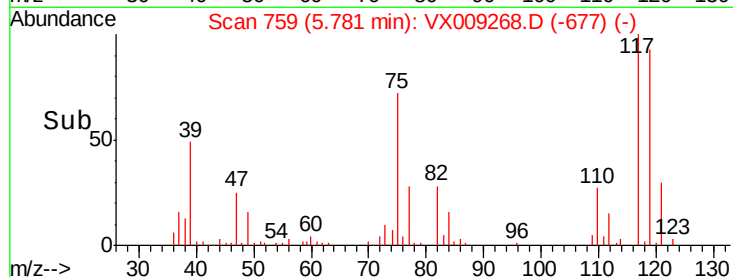
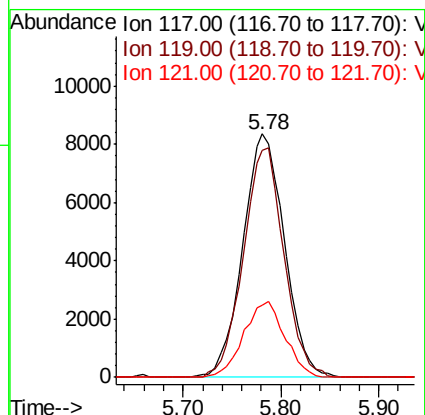
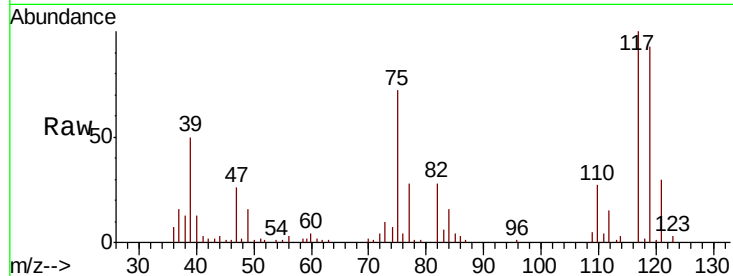




#33
Carbon Tetrachloride
Concen: 10.208 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX009268.D
Acq: 02 May 2019 11:27

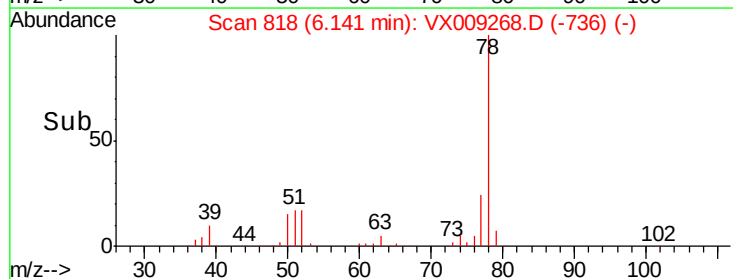
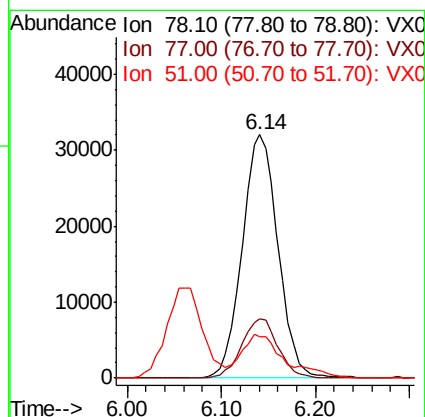
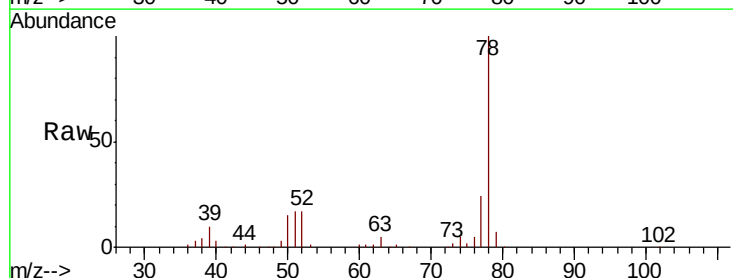
Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT2-2019

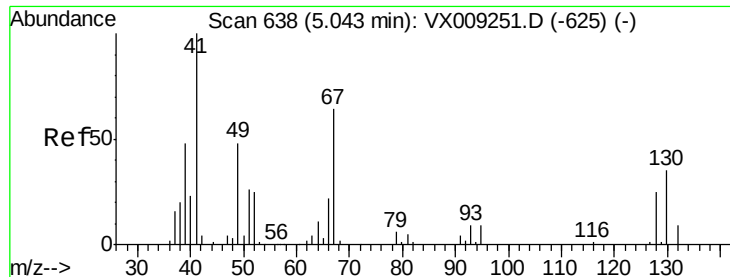
Tot Ion:117 Resp: 24798
Ion Ratio Lower Upper
117 100
119 93.2 76.1 114.1
121 29.8 24.4 36.6



#34
Benzene
Concen: 10.322 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX009268.D
Acq: 02 May 2019 11:27

Tgt Ion: 78 Resp: 85237
Ion Ratio Lower Upper
78 100
77 24.3 18.8 28.2
51 16.5 13.5 20.3

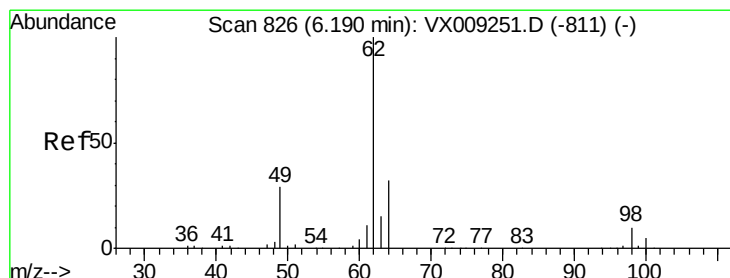
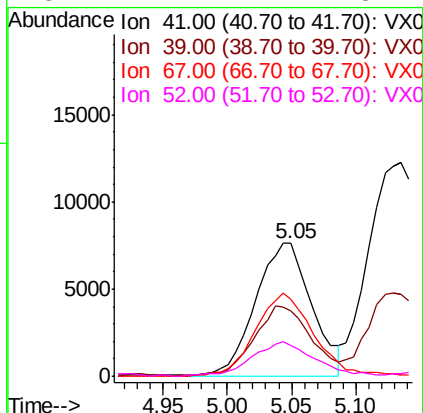
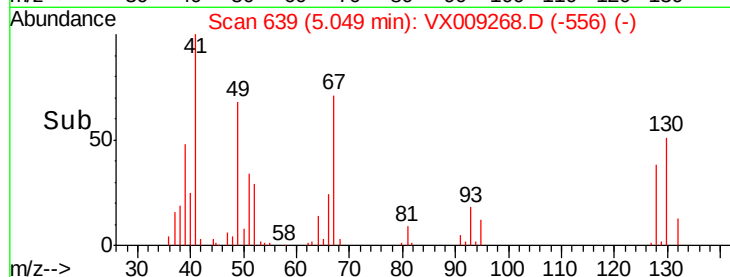
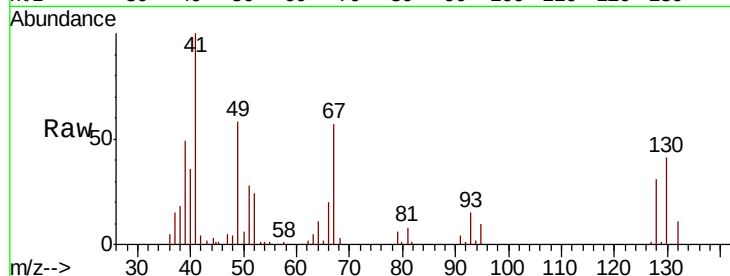




#35
Methacrylonitrile
Concen: 10.557 ug/l
RT: 5.05 min Scan# 639
Delta R.T. 0.01 min
Lab File: VX009268.D
Acq: 02 May 2019 11:27

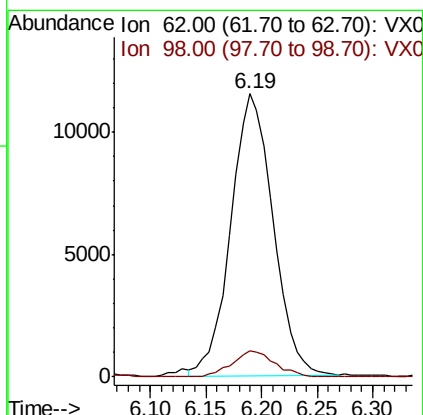
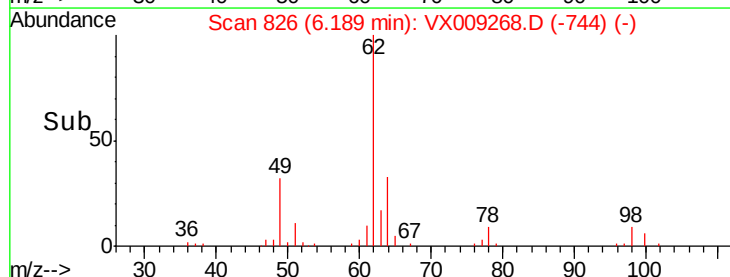
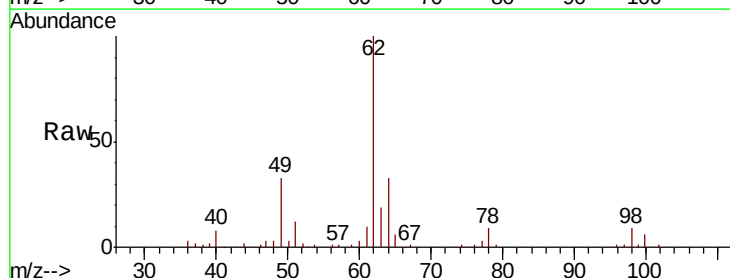
Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT2-2019

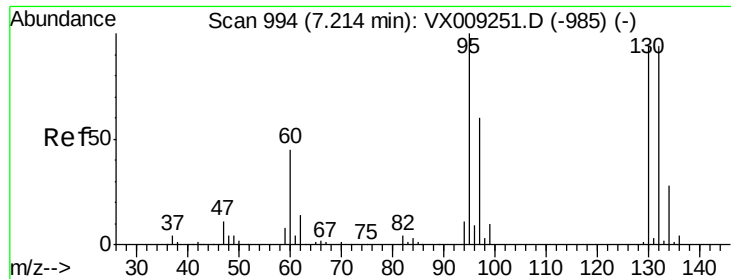
Tot Ion:	41	Resp:	23167
Ion	Ratio	Lower	Upper
41	100		
39	47.8	24.1	72.3
67	57.5	32.2	96.6
52	22.4	12.4	37.4



#36
1,2-Dichloroethane
Concen: 10.131 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.00 min
Lab File: VX009268.D
Acq: 02 May 2019 11:27

Tgt Ion:	62	Resp:	30355
Ion	Ratio	Lower	Upper
62	100		
98	9.2	7.4	11.2

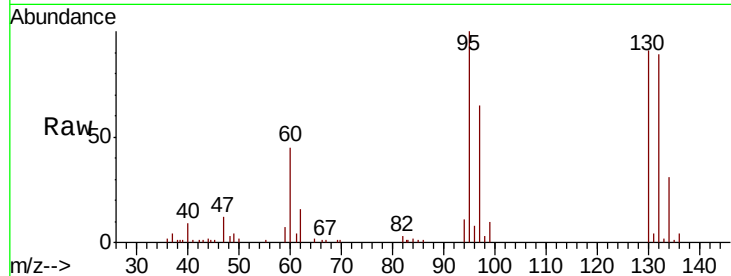




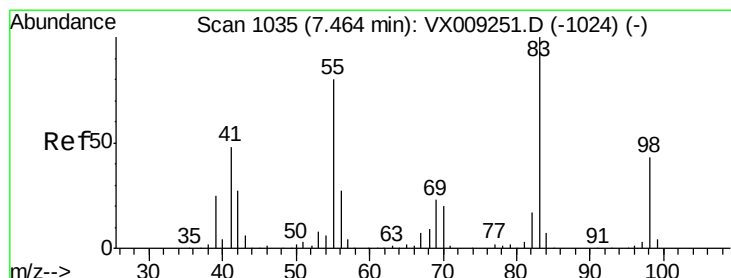
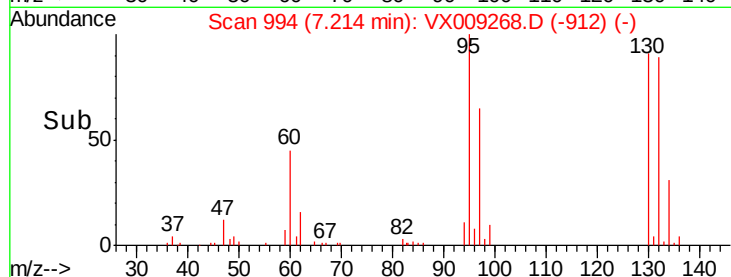
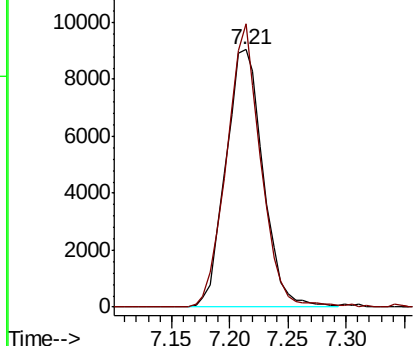
#37
 Trichloroethene
 Concen: 10.140 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX009268.D
 Acq: 02 May 2019 11:27

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

Tot Ion:130 Resp: 20156
 Ion Ratio Lower Upper
 130 100
 95 110.0 85.0 127.4

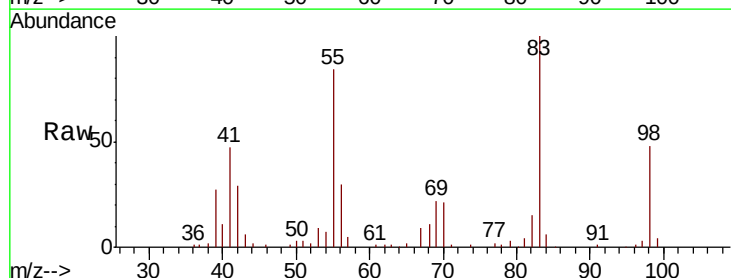


Abundance Ion 129.90 (129.60 to 130.60): VX0
 Ion 94.90 (94.60 to 95.60): VX0

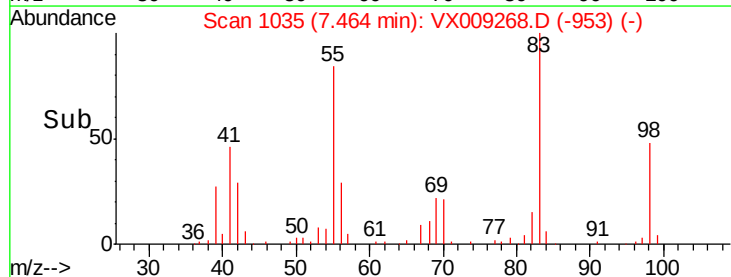
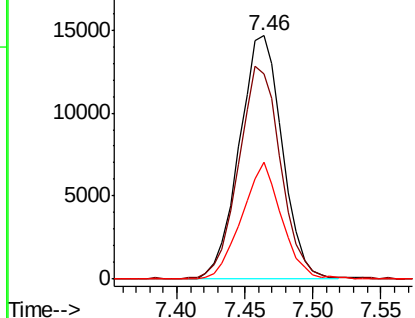


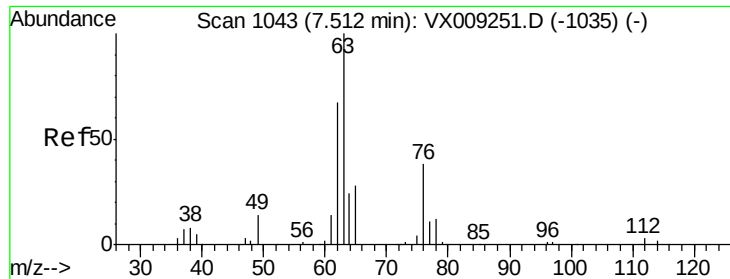
#38
 Methylcyclohexane
 Concen: 9.785 ug/l
 RT: 7.46 min Scan# 1035
 Delta R.T. -0.00 min
 Lab File: VX009268.D
 Acq: 02 May 2019 11:27

Tgt Ion: 83 Resp: 32381
 Ion Ratio Lower Upper
 83 100
 55 86.1 43.0 129.2
 98 44.2 22.1 66.1



Abundance Ion 83.00 (82.70 to 83.70): VX0
 Ion 55.00 (54.70 to 55.70): VX0
 Ion 98.00 (97.70 to 98.70): VX0

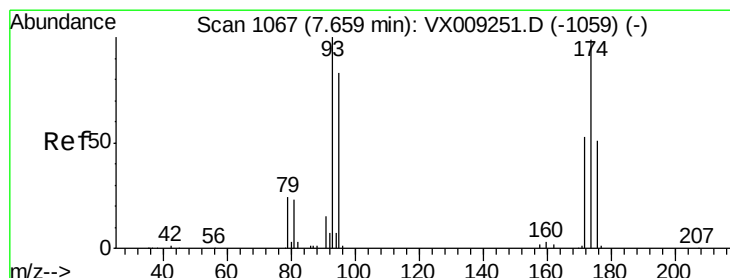
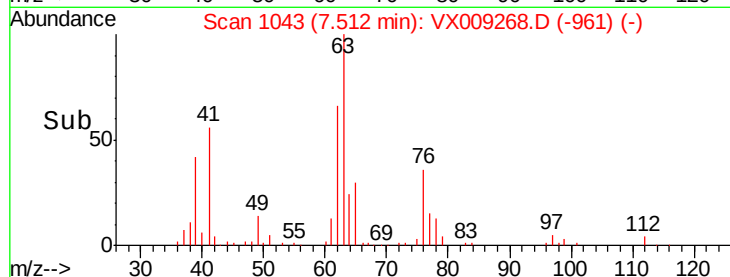
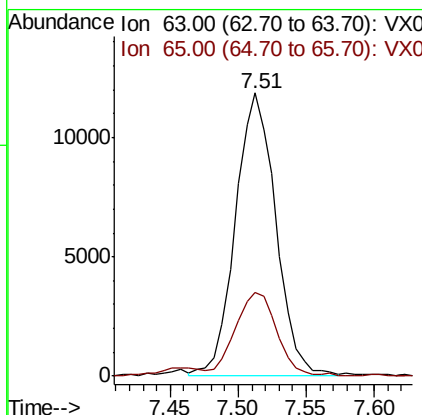
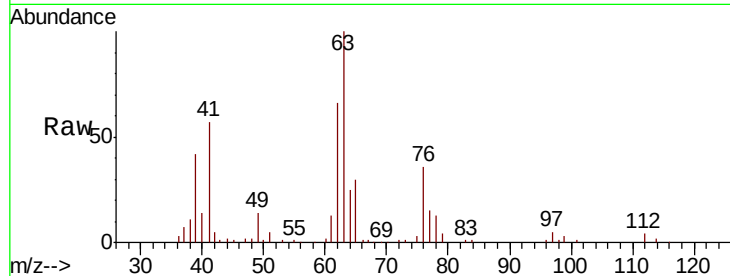




#39
 1,2-Dichloropropane
 Concen: 10.497 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX009268.D
 Acq: 02 May 2019 11:27

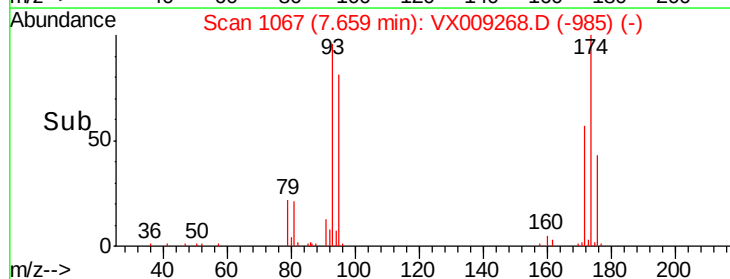
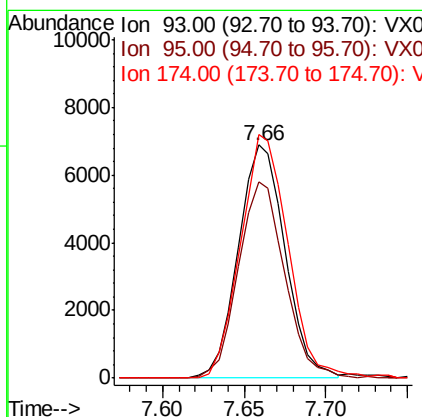
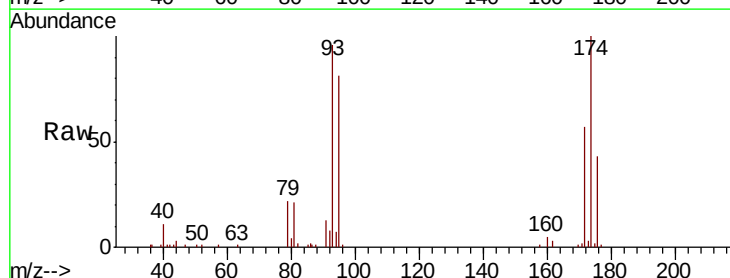
Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT2-2019

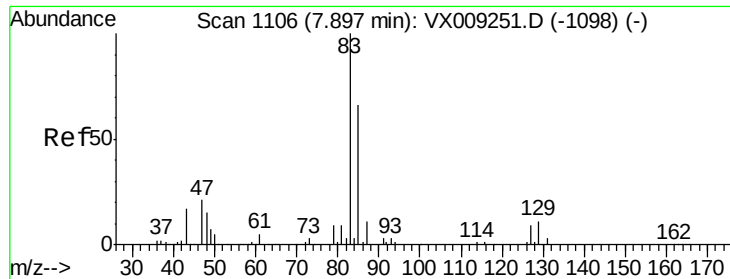
Tot Ion: 63 Resp: 24683
 Ion Ratio Lower Upper
 63 100
 65 29.8 24.0 36.0



#40
 Dibromomethane
 Concen: 10.312 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX009268.D
 Acq: 02 May 2019 11:27

Tgt Ion: 93 Resp: 13763
 Ion Ratio Lower Upper
 93 100
 95 83.3 0.0 167.2
 174 105.8 0.0 203.4





#41

Bromodichloromethane

Concen: 10.097 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX009268.D

Acq: 02 May 2019 11:27

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT2-2019

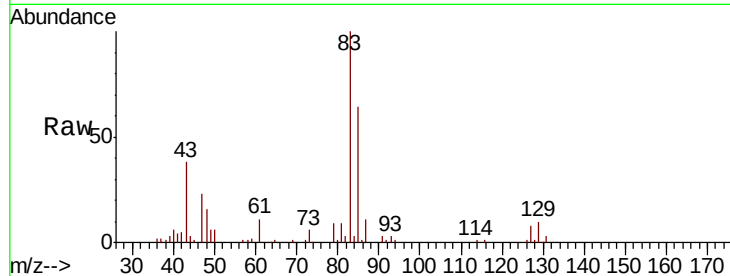
Tot Ion: 83 Resp: 27527

Ion Ratio Lower Upper

83 100

85 64.4 52.6 79.0

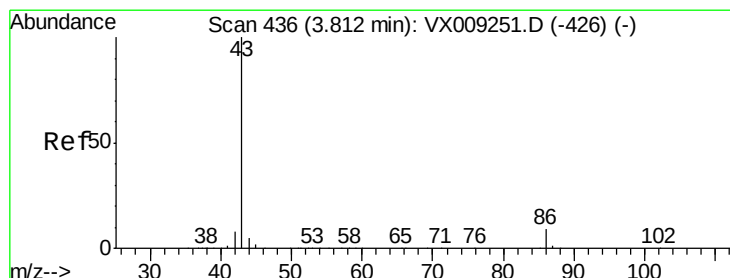
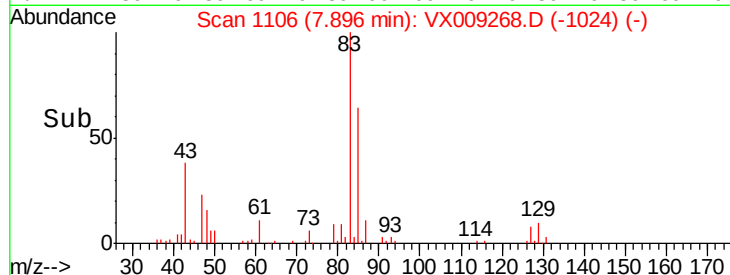
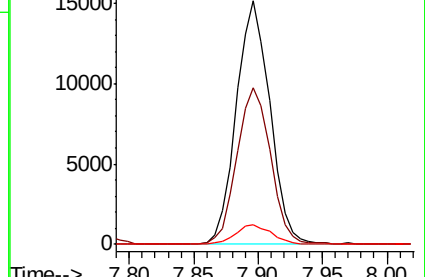
127 7.9 6.9 10.3



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0

Ion 127.00 (126.70 to 127.70): V



#42

Vinyl Acetate

Concen: 50.267 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.00 min

Lab File: VX009268.D

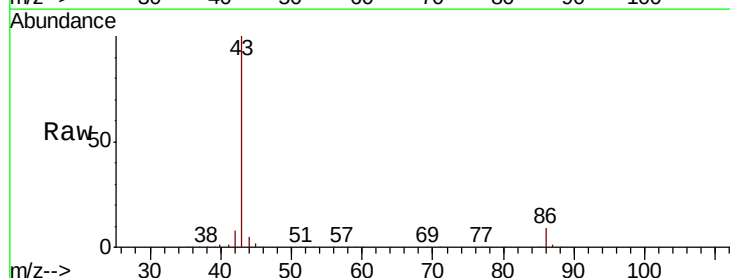
Acq: 02 May 2019 11:27

Tgt Ion: 43 Resp: 347993

Ion Ratio Lower Upper

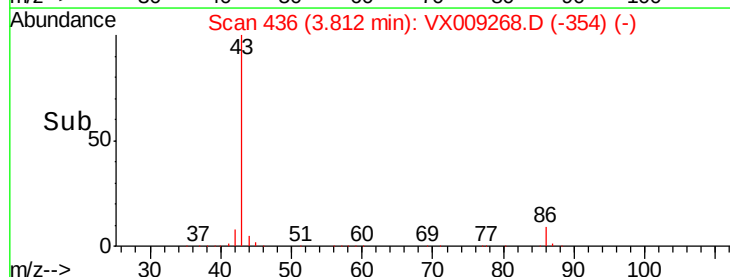
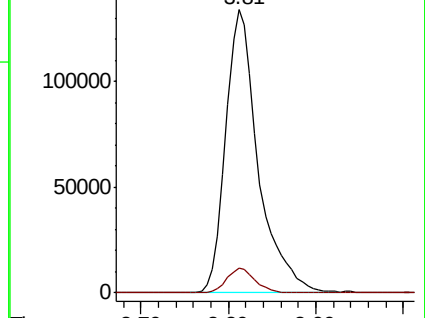
43 100

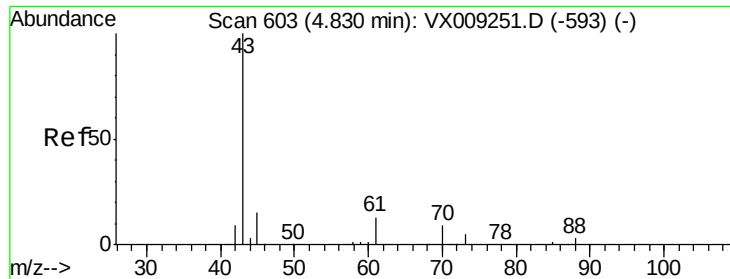
86 7.6 6.0 9.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

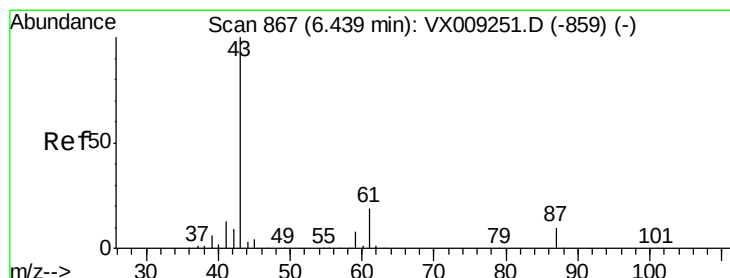
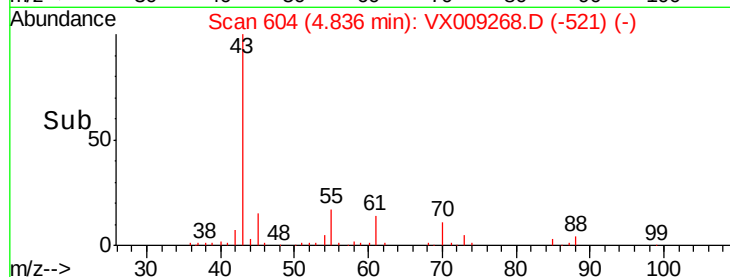
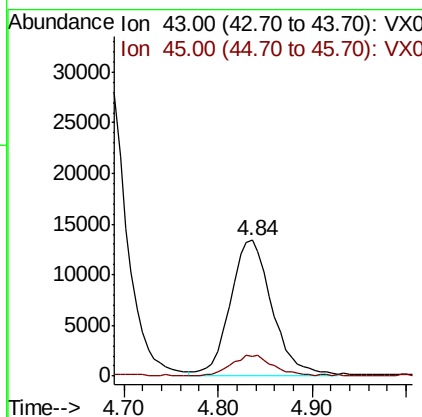
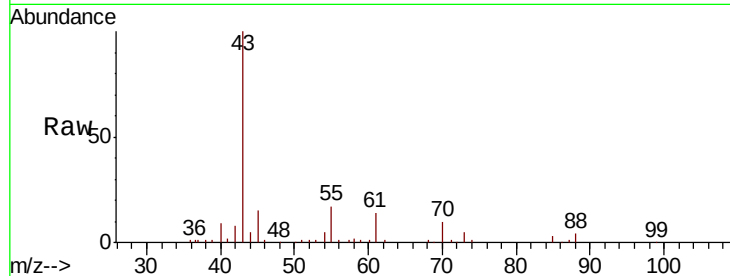




#43
Ethyl Acetate
Concen: 10.851 ug/l
RT: 4.84 min Scan# 604
Delta R.T. 0.01 min
Lab File: VX009268.D
Acq: 02 May 2019 11:27

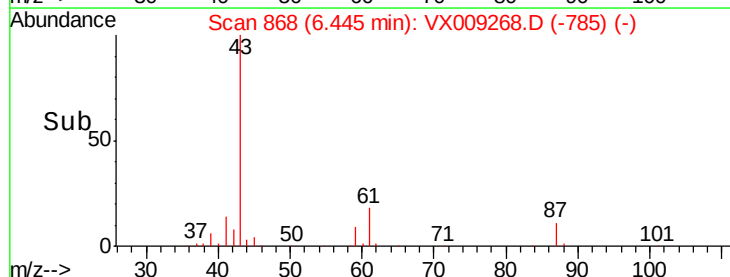
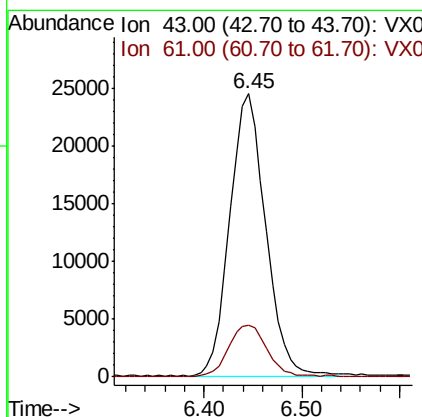
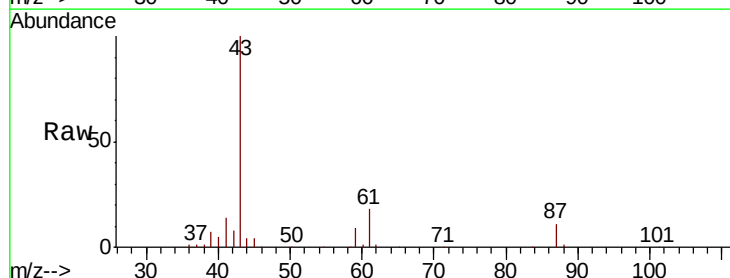
Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT2-2019

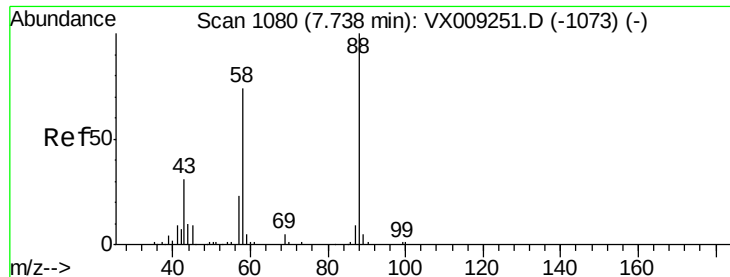
Tot Ion: 43 Resp: 41129
Ion Ratio Lower Upper
43 100
45 15.8 11.8 17.8



#44
Isopropyl Acetate
Concen: 10.139 ug/l
RT: 6.45 min Scan# 868
Delta R.T. 0.01 min
Lab File: VX009268.D
Acq: 02 May 2019 11:27

Tgt Ion: 43 Resp: 62254
Ion Ratio Lower Upper
43 100
61 19.5 15.4 23.2





#45

1,4-Dioxane

Concen: 209.673 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. -0.00 min

Lab File: VX009268.D

Acq: 02 May 2019 11:27

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT2-2019

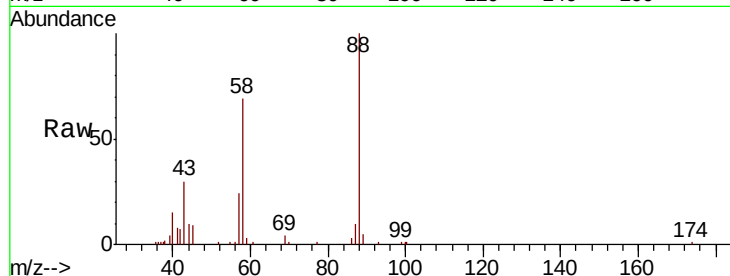
Tot Ion: 88 Resp: 12640

Ion Ratio Lower Upper

88 100

43 37.3 28.5 42.7

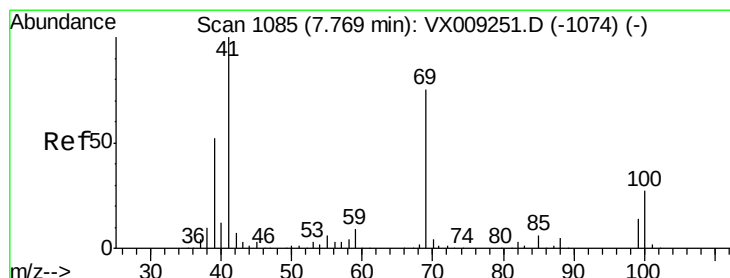
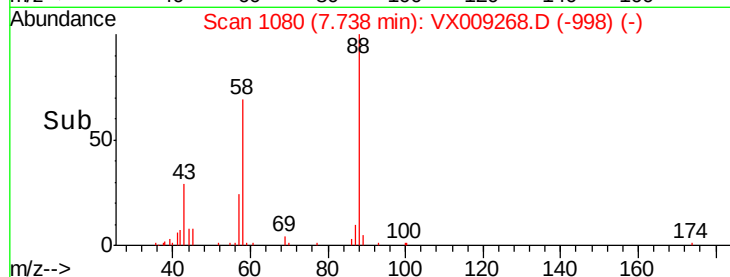
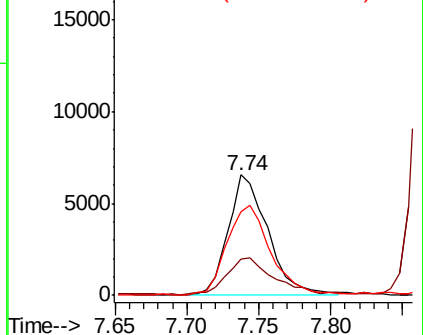
58 81.8 62.5 93.7



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#46

Methyl methacrylate

Concen: 10.029 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. -0.00 min

Lab File: VX009268.D

Acq: 02 May 2019 11:27

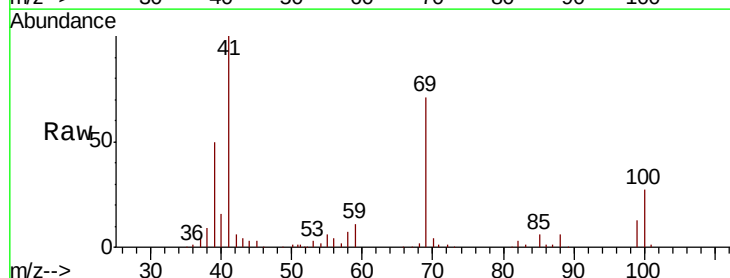
Tgt Ion: 41 Resp: 30737

Ion Ratio Lower Upper

41 100

69 71.9 37.6 112.8

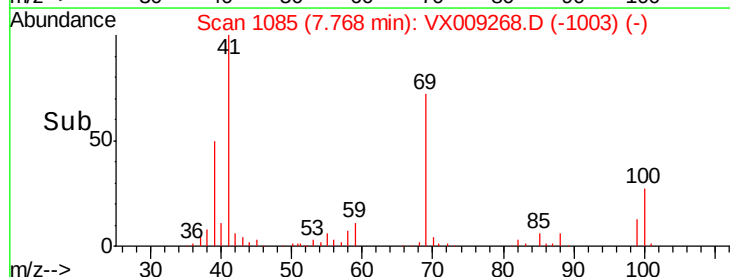
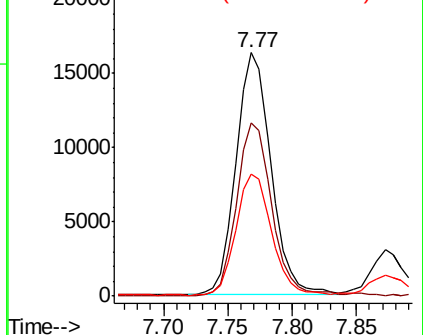
39 50.2 25.8 77.3

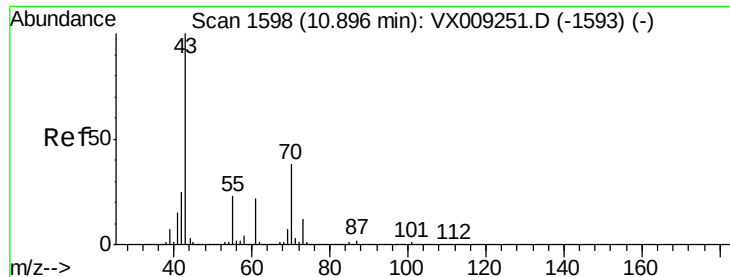


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#47

n-amyl Acetate

Concen: 9.967 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX009268.D

Acq: 02 May 2019 11:27

Instrument :

MSVOA_X

ClientSampleId :

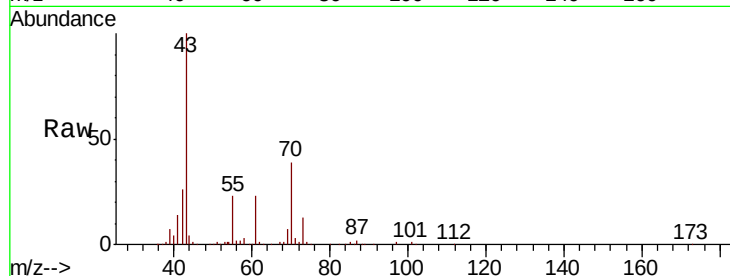
LOQ-WATER-02-QT2-2019

Tot Ion: 43 Resp: 55132

Ion Ratio Lower Upper

43 100

55 23.4 18.2 27.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

10.90

50000

40000

30000

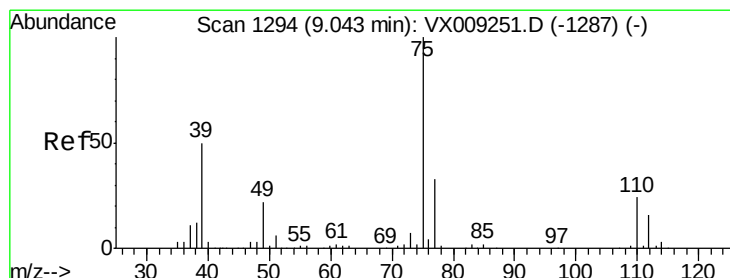
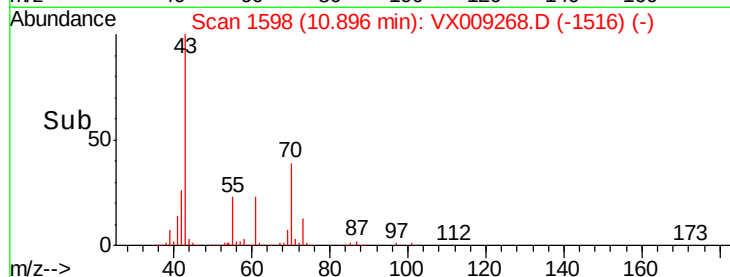
20000

10000

0

Time-->

10.85 10.90 10.95



#48

t-1,3-Dichloropropene

Concen: 9.481 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX009268.D

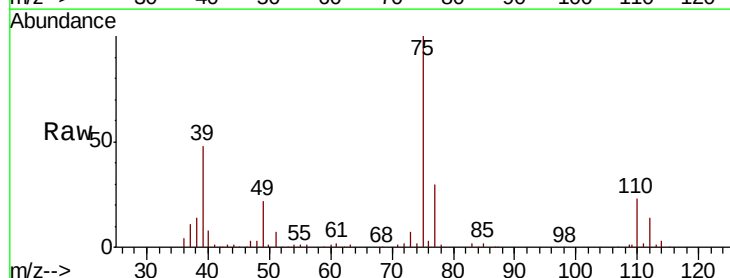
Acq: 02 May 2019 11:27

Tgt Ion: 75 Resp: 30156

Ion Ratio Lower Upper

75 100

77 30.4 26.5 39.7



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

9.04

20000

15000

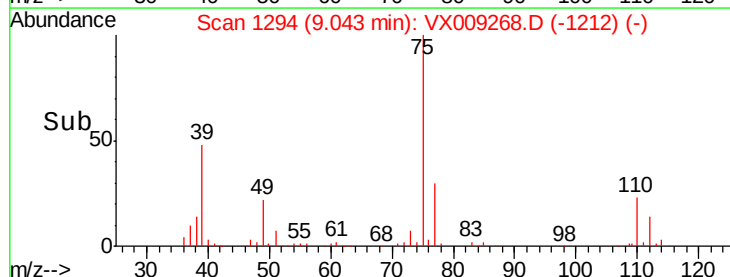
10000

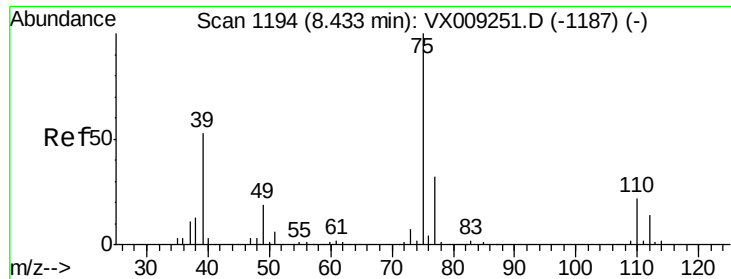
5000

0

Time-->

9.00 9.05 9.10

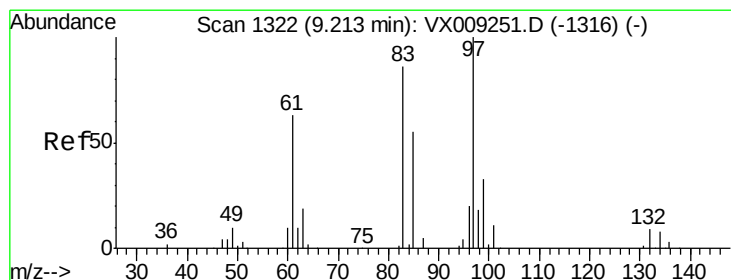
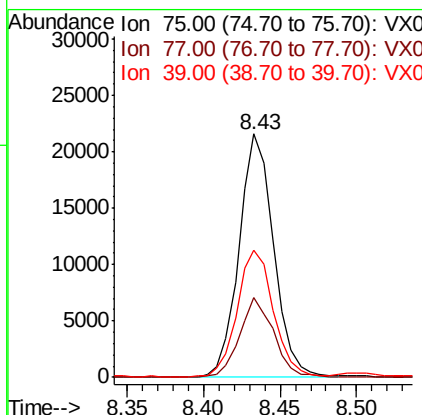
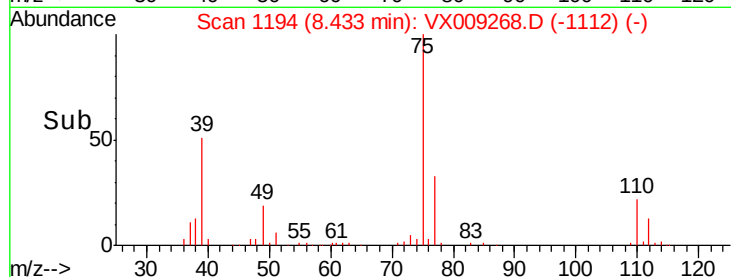
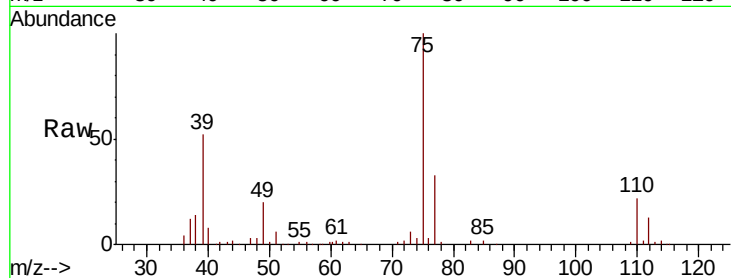




#49
 cis-1,3-Dichloropropene
 Concen: 9.723 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: VX009268.D
 Acq: 02 May 2019 11:27

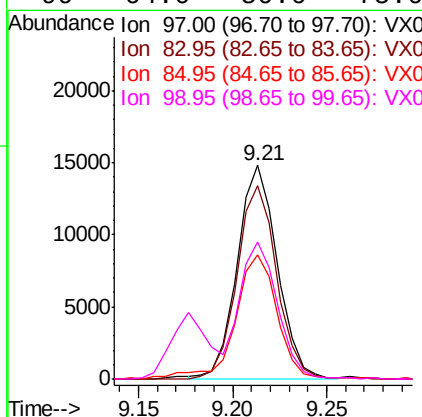
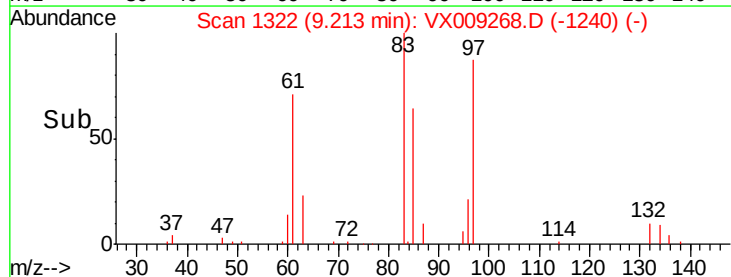
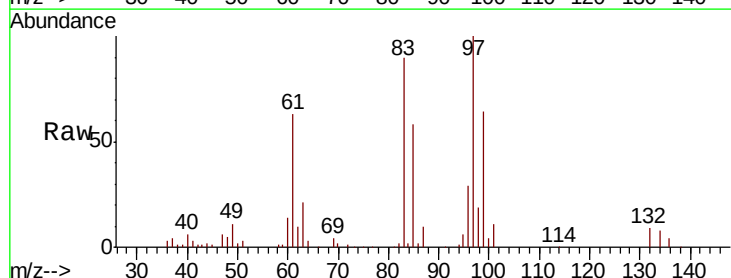
Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT2-2019

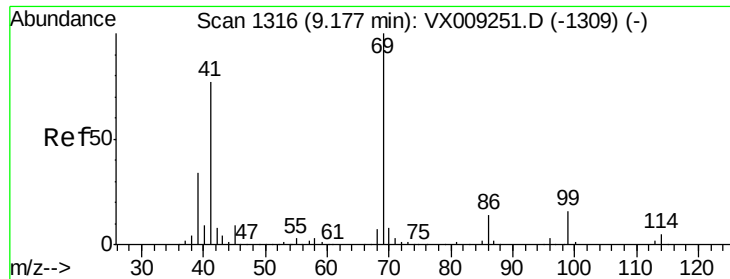
Tot Ion: 75 Resp: 33953
 Ion Ratio Lower Upper
 75 100
 77 32.6 26.0 39.0
 39 52.0 42.6 63.8



#50
 1,1,2-Trichloroethane
 Concen: 10.672 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX009268.D
 Acq: 02 May 2019 11:27

Tgt Ion: 97 Resp: 21821
 Ion Ratio Lower Upper
 97 100
 83 90.9 68.8 103.2
 85 58.0 45.8 68.6
 99 64.0 50.0 75.0





#51

Ethyl methacrylate

Concen: 9.859 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VX009268.D

Acq: 02 May 2019 11:27

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT2-2019

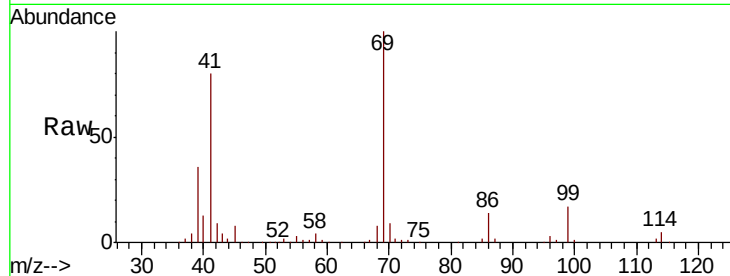
Tot Ion: 69 Resp: 37255

Ion Ratio Lower Upper

69 100

41 79.3 38.4 115.2

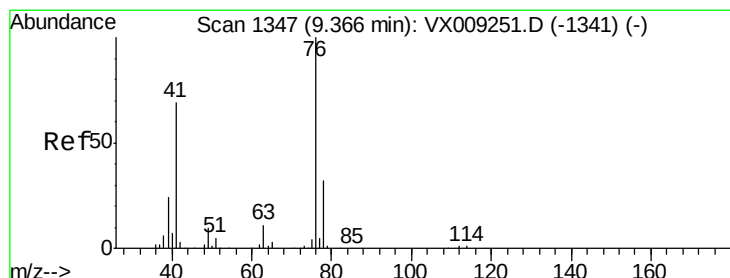
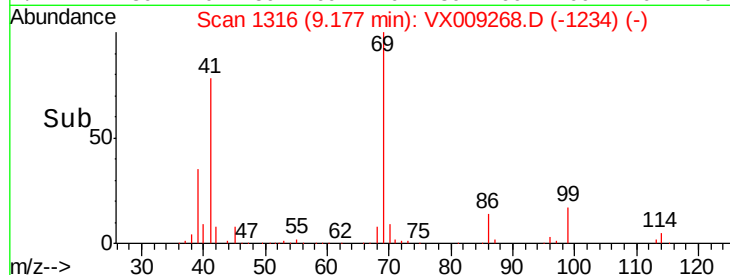
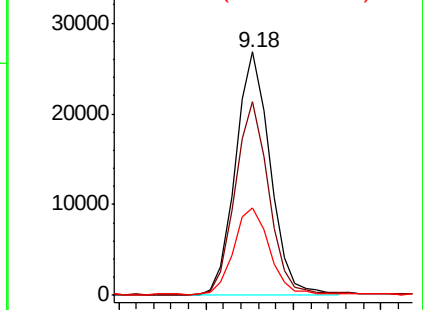
39 35.7 17.2 51.5



Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#52

1,3-Dichloropropane

Concen: 10.471 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. -0.00 min

Lab File: VX009268.D

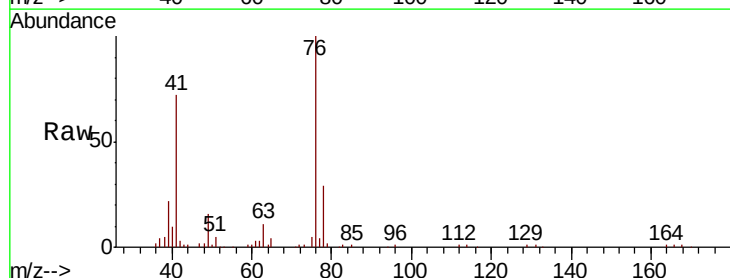
Acq: 02 May 2019 11:27

Tgt Ion: 76 Resp: 37998

Ion Ratio Lower Upper

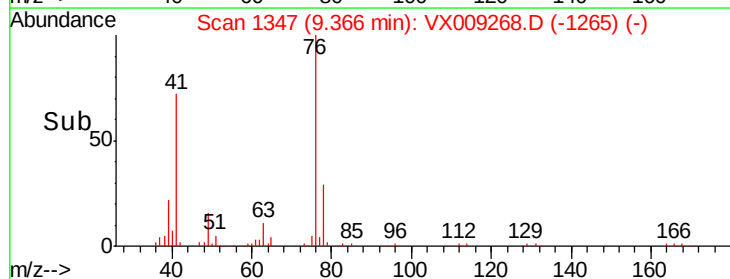
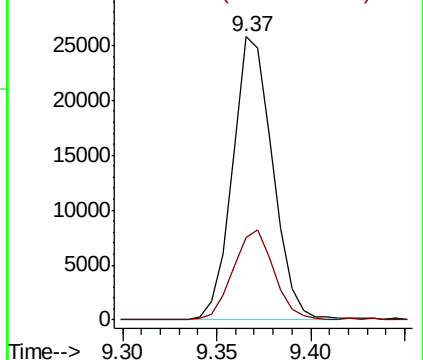
76 100

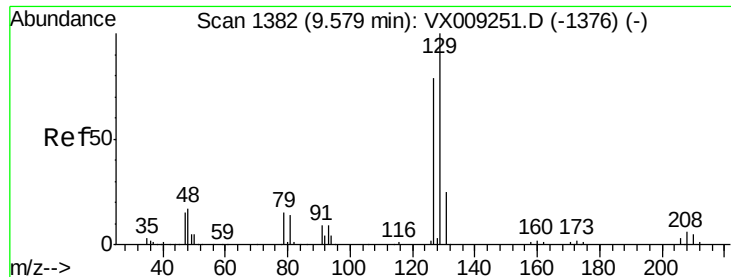
78 32.6 0.0 64.2



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0





#53

Dibromochloromethane

Concen: 9.967 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VX009268.D

Acq: 02 May 2019 11:27

Instrument :

MSVOA_X

ClientSampleId :

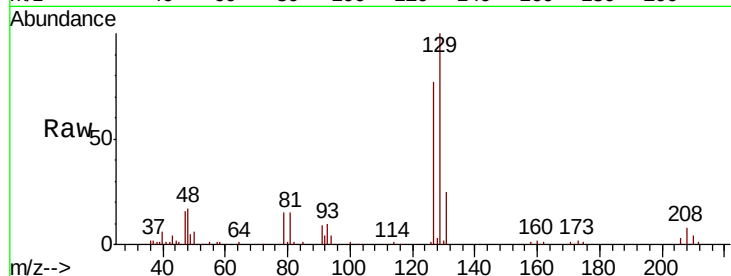
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Tot Ion:129 Resp: 20296

Ion Ratio Lower Upper

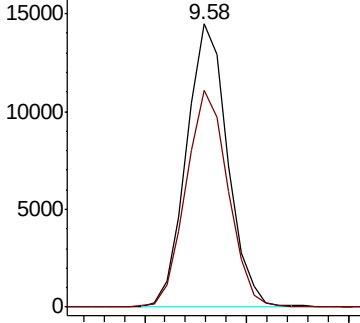
129 100

127 78.2 39.1 117.5

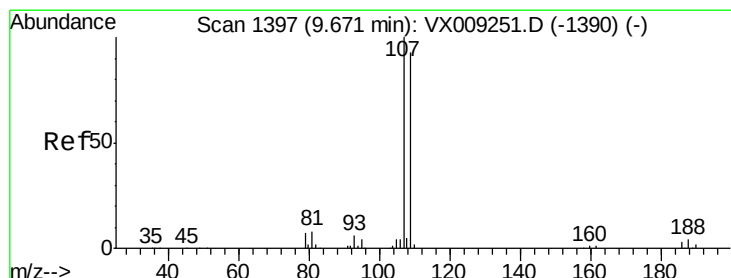
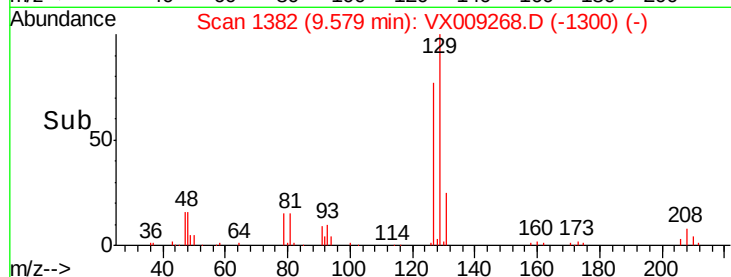


Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



Time-->



#54

1,2-Dibromoethane

Concen: 10.416 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX009268.D

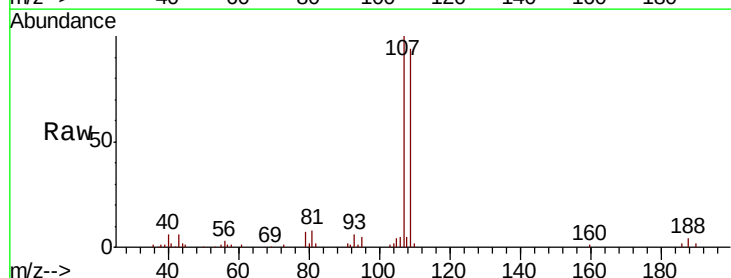
Acq: 02 May 2019 11:27

Tgt Ion:107 Resp: 21843

Ion Ratio Lower Upper

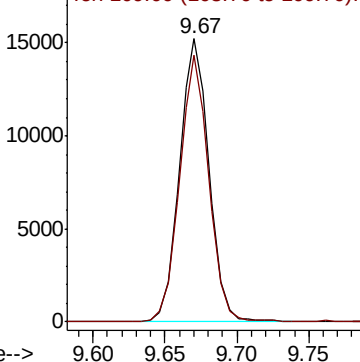
107 100

109 93.0 75.5 113.3

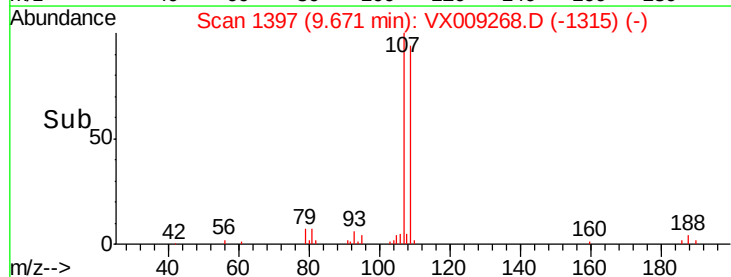


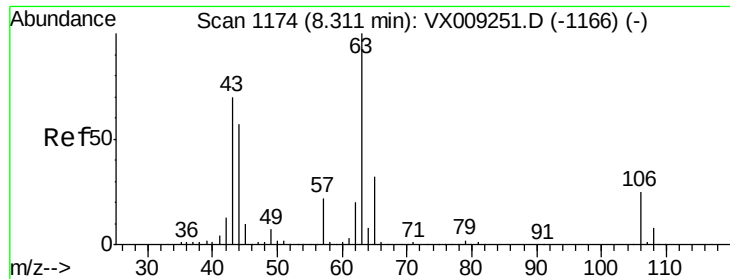
Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



Time-->

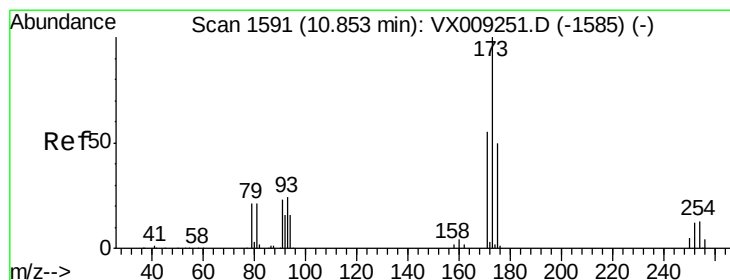
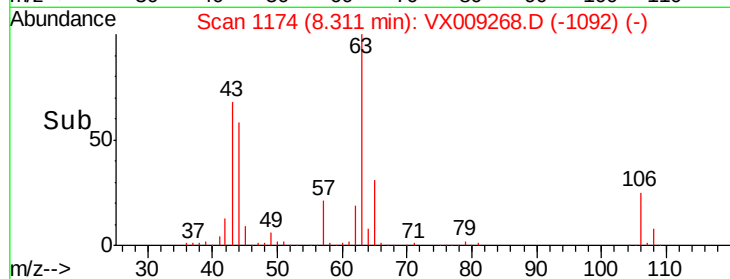
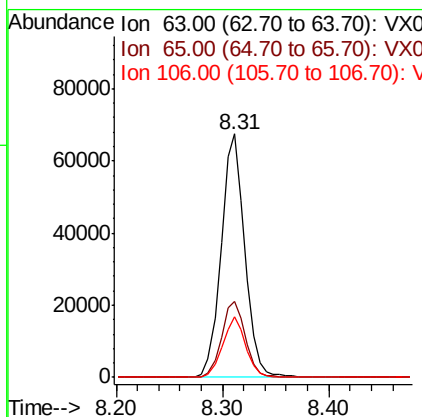
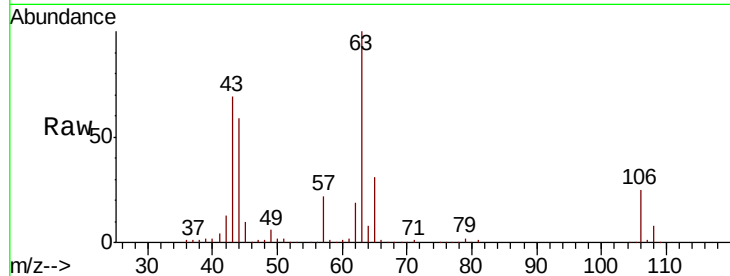




#55
2-Chloroethyl vinyl ether
Concen: 51.897 ug/l
RT: 8.31 min Scan# 1174
Delta R.T. -0.00 min
Lab File: VX009268.D
Acq: 02 May 2019 11:27

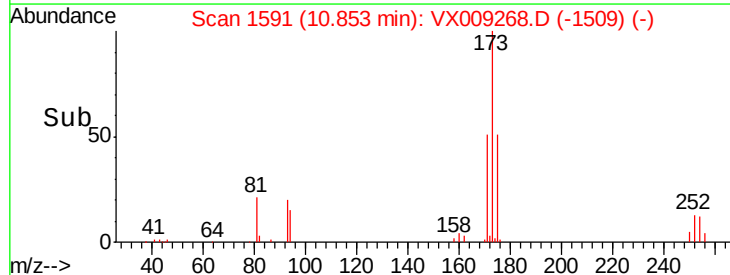
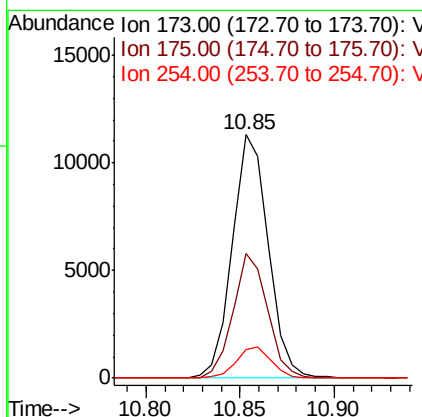
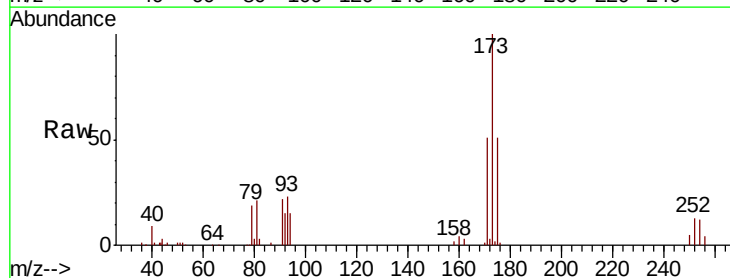
Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT2-2019

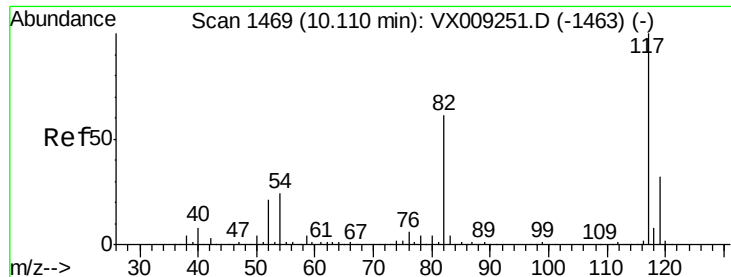
Tot Ion: 63 Resp: 104494
Ion Ratio Lower Upper
63 100
65 31.4 25.8 38.6
106 24.0 19.8 29.6



#56
Bromoform
Concen: 9.568 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. -0.00 min
Lab File: VX009268.D
Acq: 02 May 2019 11:27

Tgt Ion: 173 Resp: 14956
Ion Ratio Lower Upper
173 100
175 49.0 39.4 59.2
254 12.5 9.9 14.9

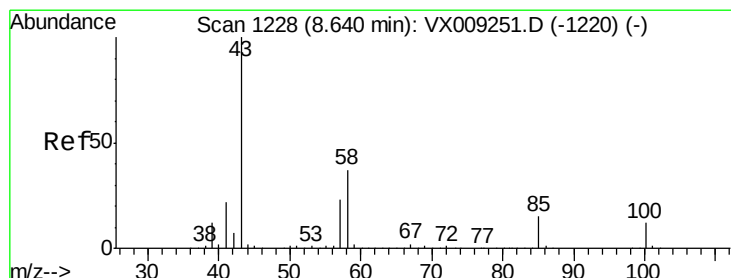
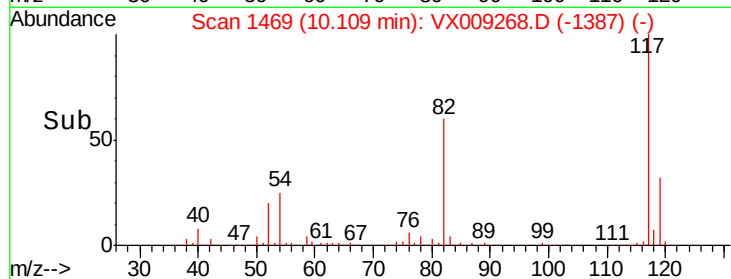
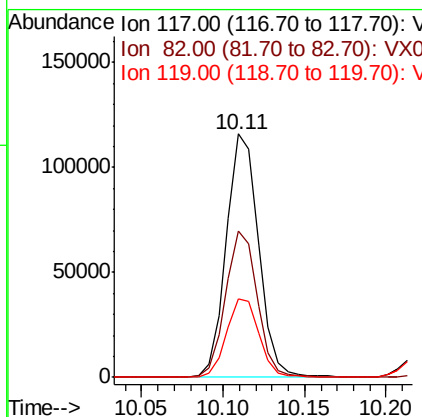
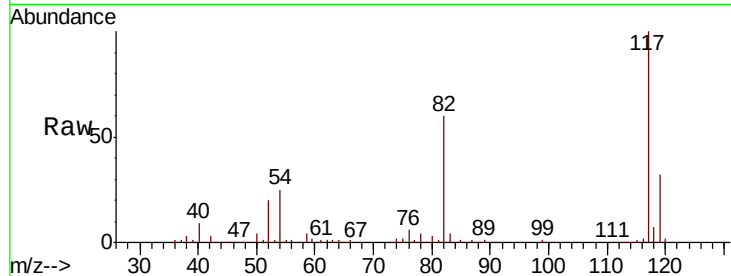




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009268.D
Acq: 02 May 2019 11:27

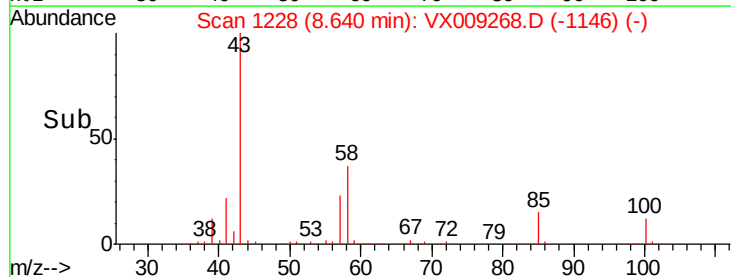
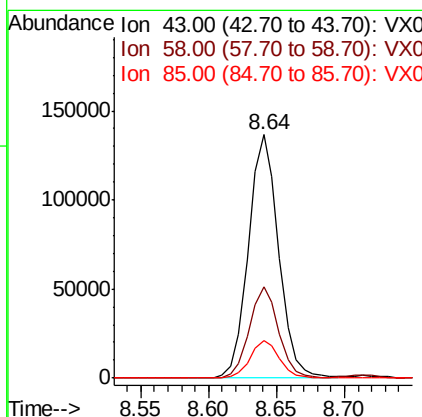
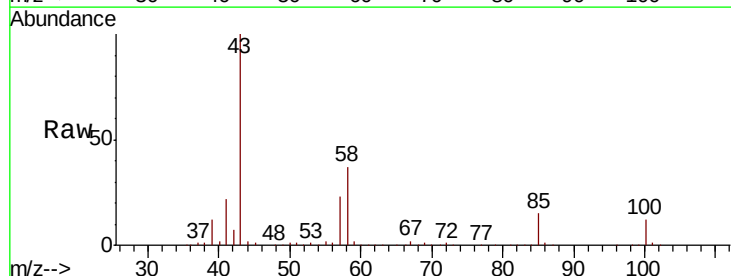
Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT2-2019

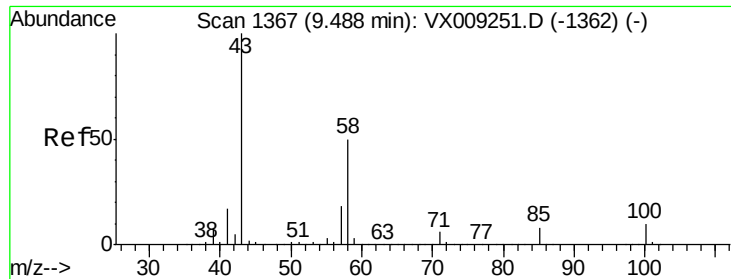
Tot Ion:117 Resp: 159588
Ion Ratio Lower Upper
117 100
82 58.9 47.8 71.8
119 32.7 25.6 38.4



#58
4-Methyl-2-Pentanone
Concen: 54.138 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. -0.00 min
Lab File: VX009268.D
Acq: 02 May 2019 11:27

Tgt Ion: 43 Resp: 212441
Ion Ratio Lower Upper
43 100
58 36.4 29.4 44.0
85 15.2 11.8 17.8

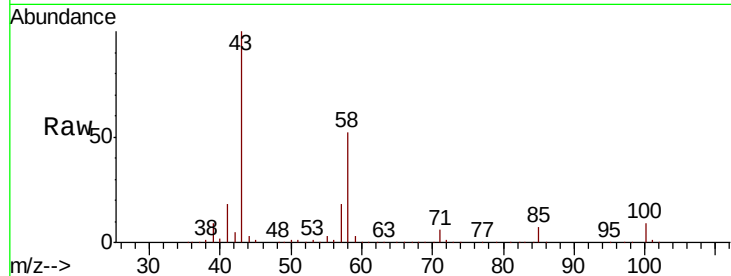




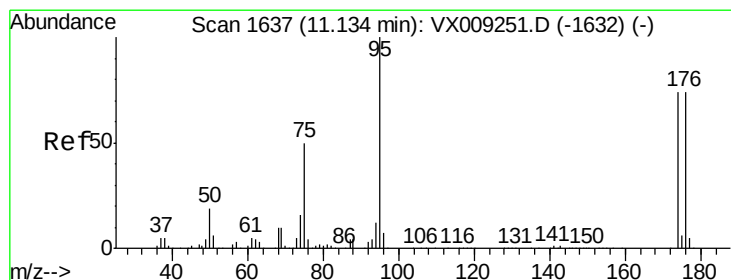
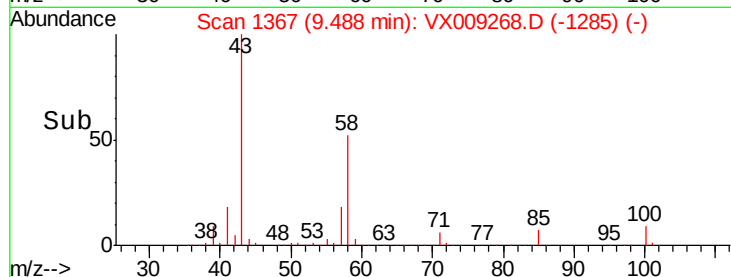
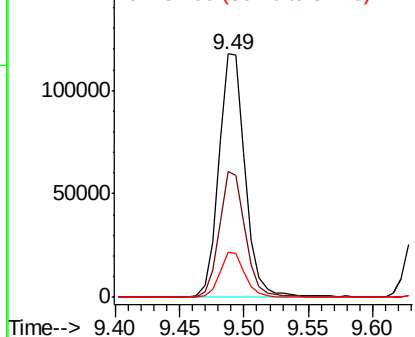
#59
2-Hexanone
Concen: 54.988 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX009268.D
Acq: 02 May 2019 11:27

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

Tot Ion: 43 Resp: 169245
Ion Ratio Lower Upper
43 100
58 50.8 40.8 61.2
57 17.9 14.1 21.1

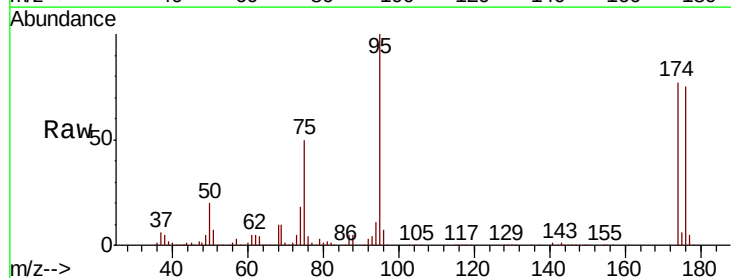


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0
Ion 57.00 (56.70 to 57.70): VX0

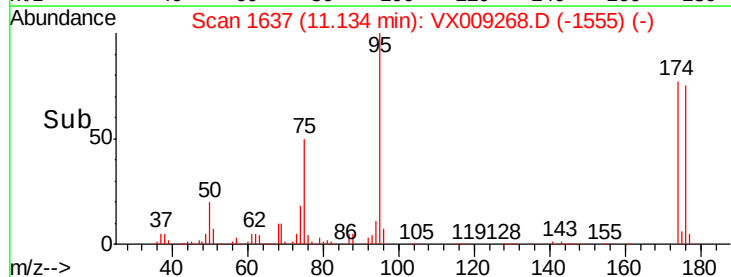
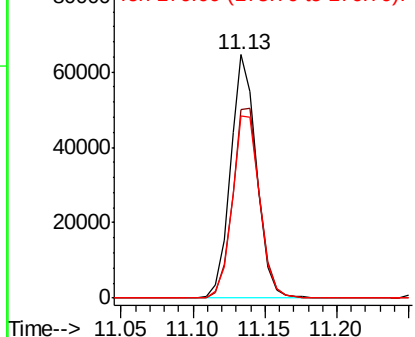


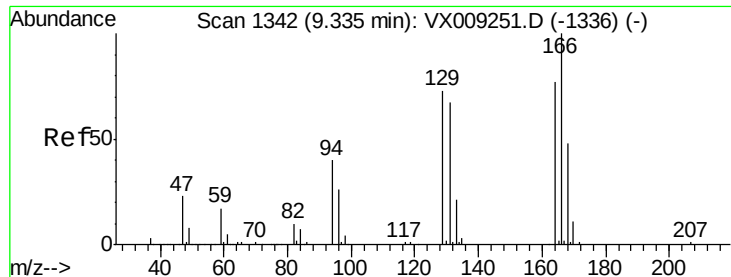
#60
4-Bromofluorobenzene
Concen: 30.091 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX009268.D
Acq: 02 May 2019 11:27

Tgt Ion: 95 Resp: 81600
Ion Ratio Lower Upper
95 100
174 80.8 63.6 95.4
176 78.6 62.4 93.6



Abundance Ion 95.00 (94.70 to 95.70): VX0
Ion 174.00 (173.70 to 174.70): V
Ion 176.00 (175.70 to 176.70): V

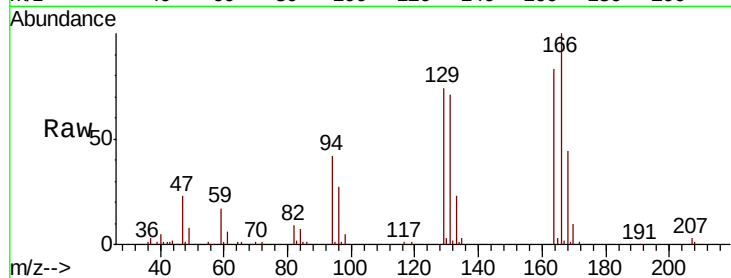




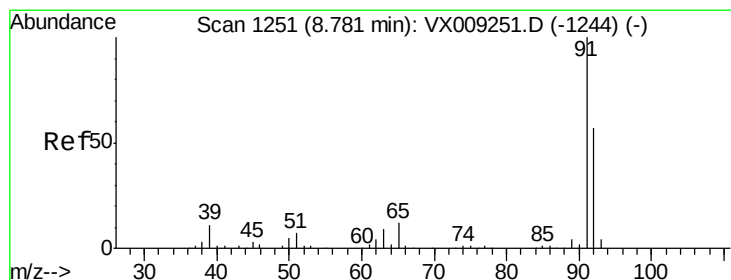
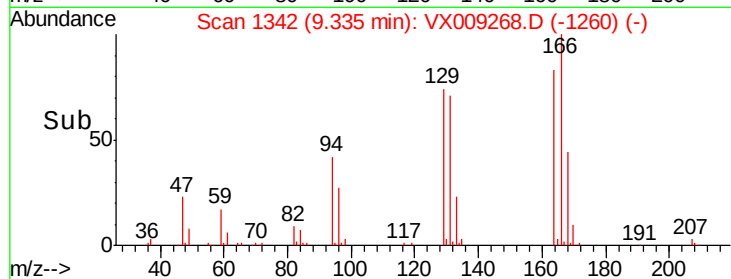
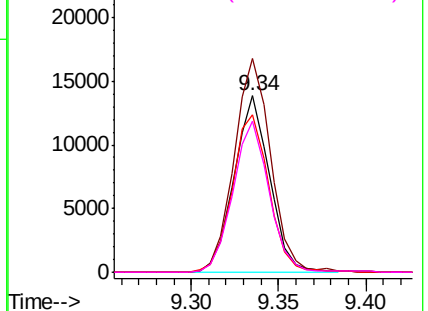
#61
Tetrachloroethene
Concen: 11.107 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX009268.D
Acq: 02 May 2019 11:27

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

Tot Ion:164 Resp: 19541
Ion Ratio Lower Upper
164 100
166 121.2 104.1 156.1
129 89.3 76.0 114.0
131 85.7 70.1 105.1

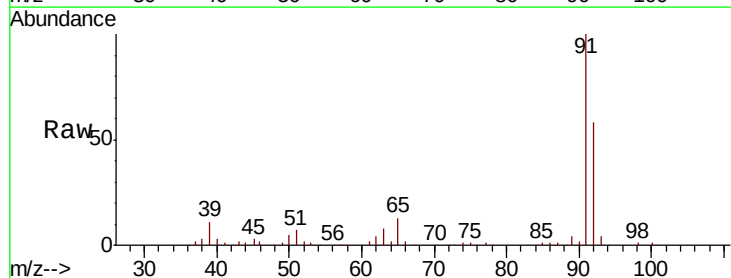


Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V

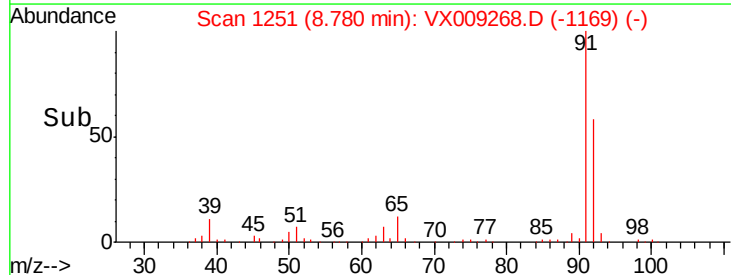
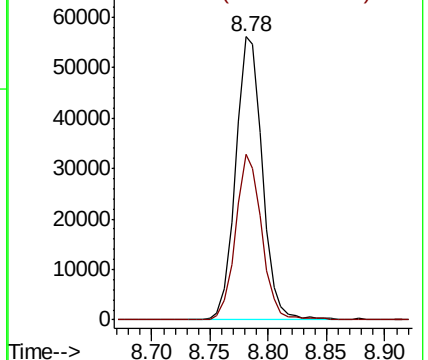


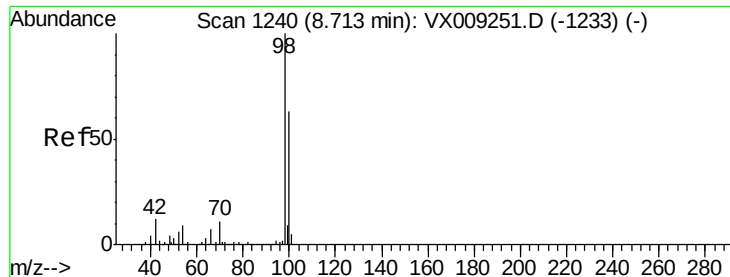
#62
Toluene
Concen: 10.542 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. -0.00 min
Lab File: VX009268.D
Acq: 02 May 2019 11:27

Tgt Ion: 91 Resp: 89900
Ion Ratio Lower Upper
91 100
92 56.6 46.1 69.1



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





#63

Toluene-d8

Concen: 30.923 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX009268.D

Acq: 02 May 2019 11:27

Instrument :

MSVOA_X

ClientSampleId :

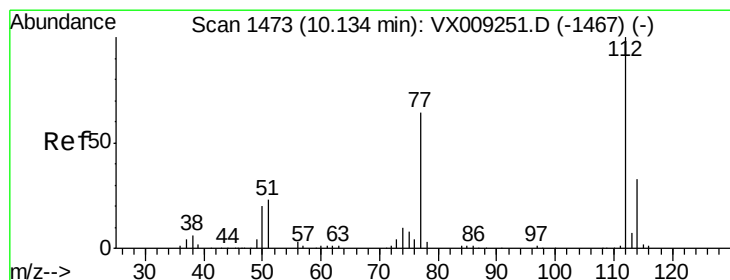
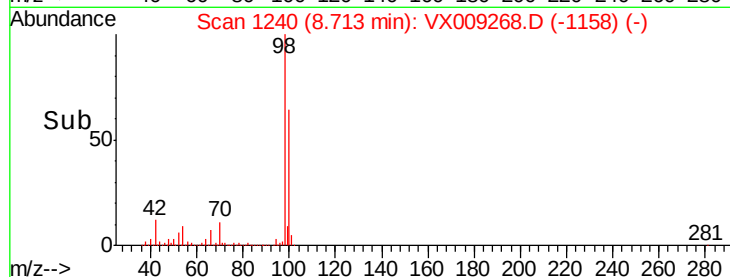
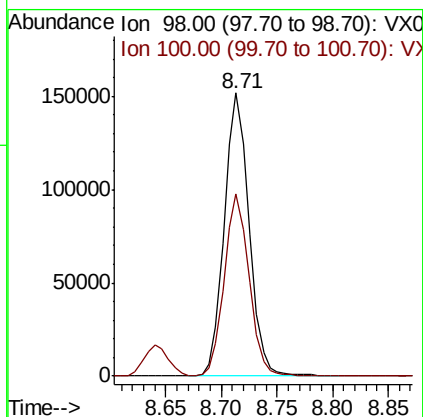
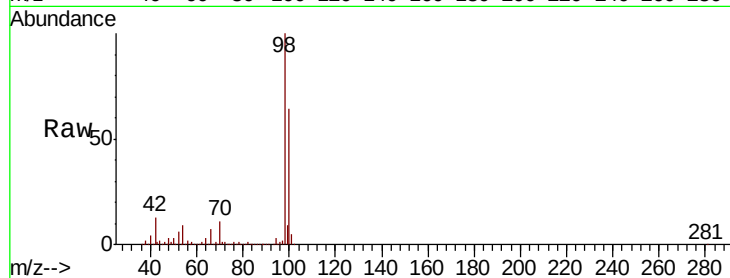
LOQ-WATER-02-QT2-2019

Tot Ion: 98 Resp: 233969

Ion Ratio Lower Upper

98 100

100 64.3 52.3 78.5



#64

Chlorobenzene

Concen: 10.479 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.01 min

Lab File: VX009268.D

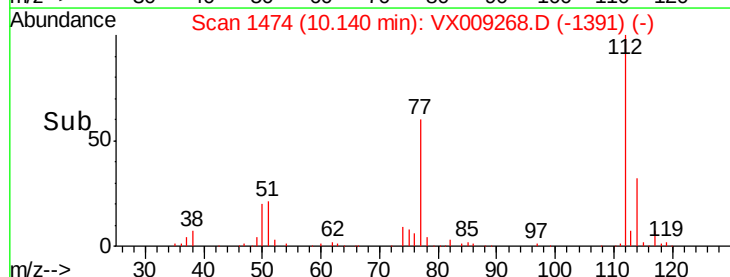
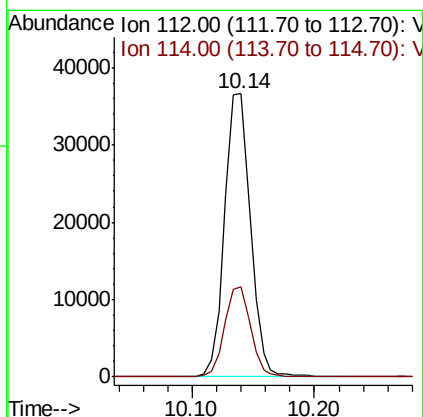
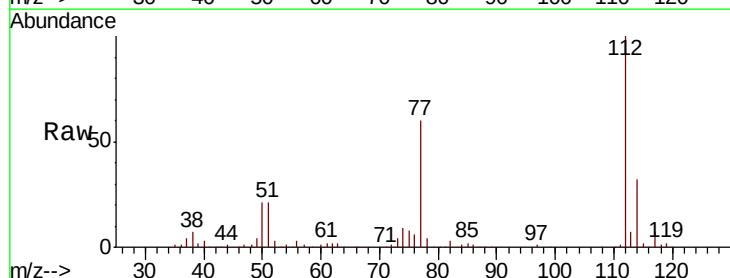
Acq: 02 May 2019 11:27

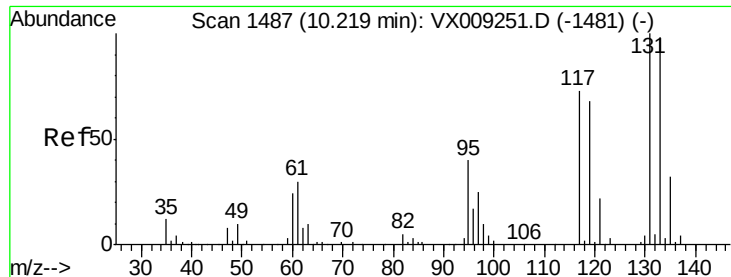
Tgt Ion: 112 Resp: 53783

Ion Ratio Lower Upper

112 100

114 31.8 26.2 39.2





#65

1,1,1,2-Tetrachloroethane

Concen: 10.387 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX009268.D

Acq: 02 May 2019 11:27

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT2-2019

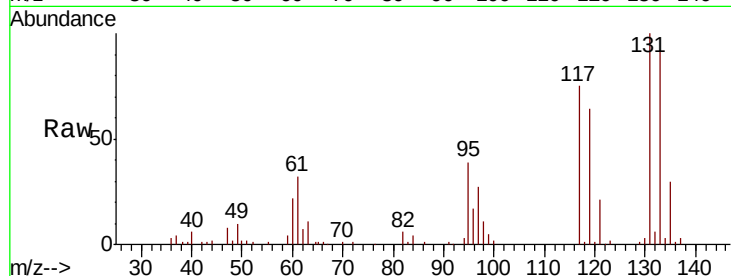
Tot Ion:131 Resp: 19519

Ion Ratio Lower Upper

131 100

133 95.8 0.0 191.2

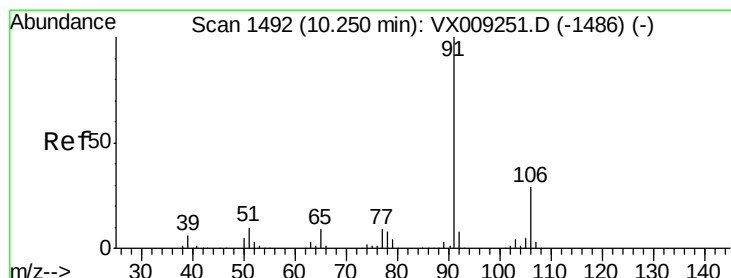
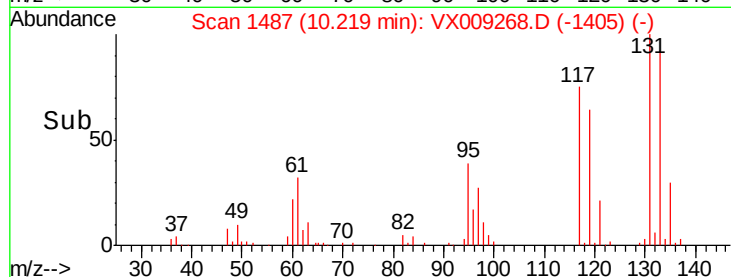
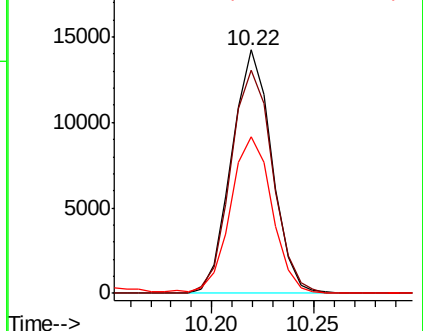
119 65.9 0.0 135.4



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 10.335 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX009268.D

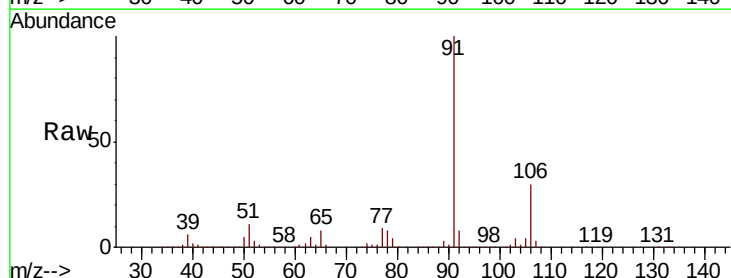
Acq: 02 May 2019 11:27

Tgt Ion: 91 Resp: 98181

Ion Ratio Lower Upper

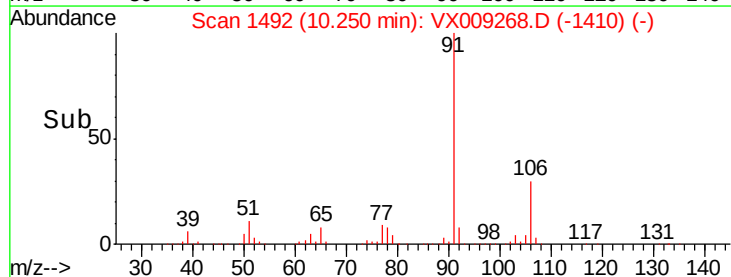
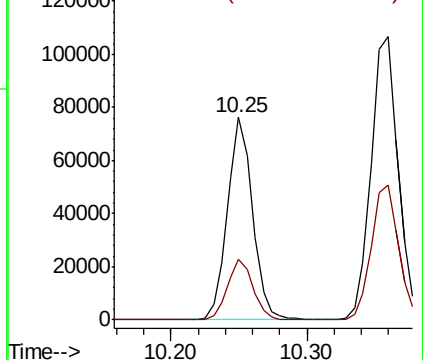
91 100

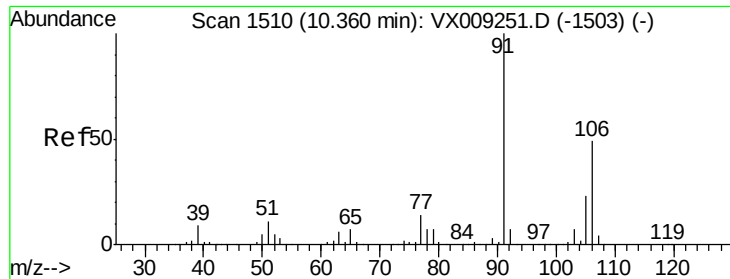
106 30.0 23.5 35.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V

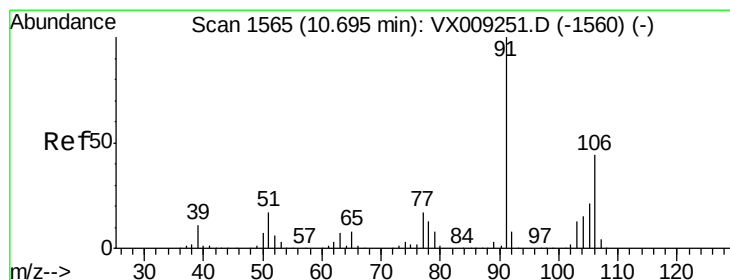
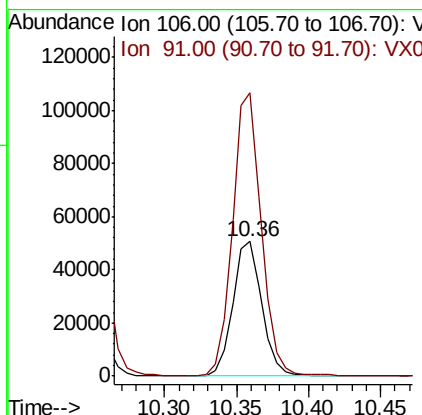
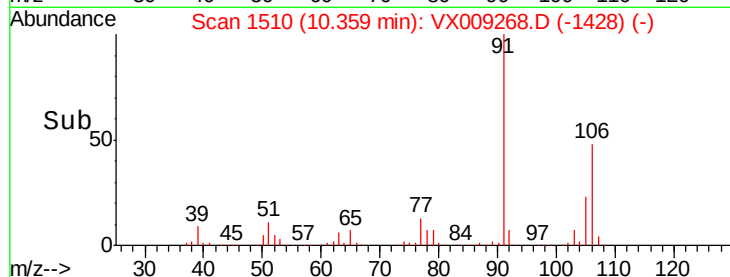
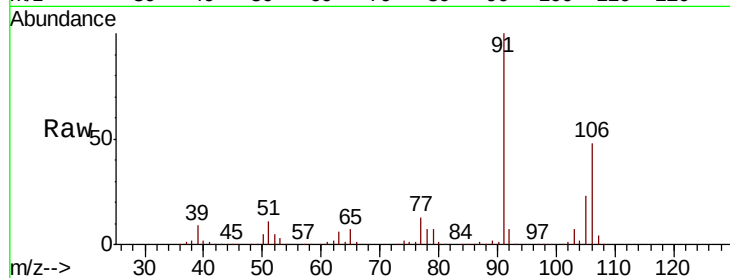




#67
m/p-Xylenes
Concen: 20.559 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX009268.D
Acq: 02 May 2019 11:27

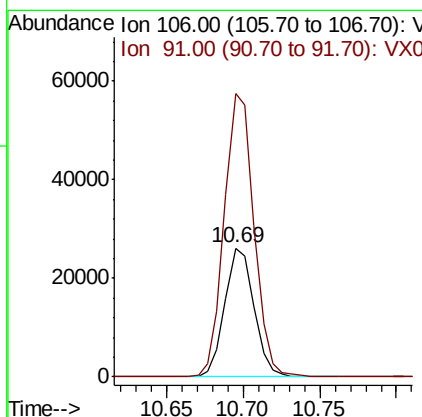
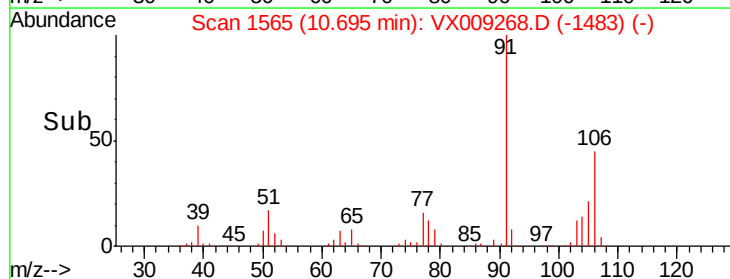
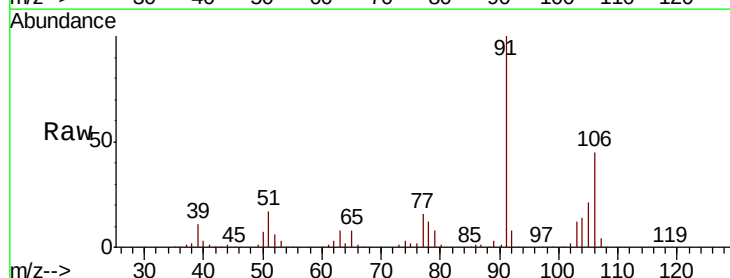
Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT2-2019

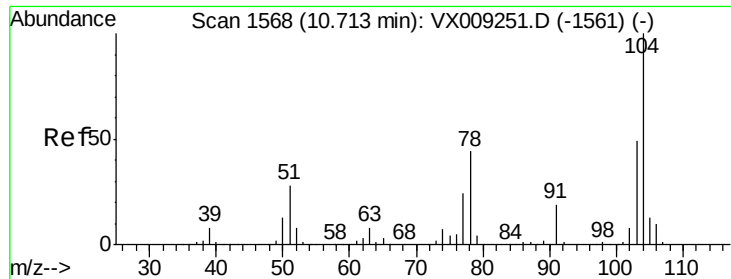
Tot Ion:106 Resp: 71308
Ion Ratio Lower Upper
106 100
91 209.2 166.8 250.2



#68
o-Xylene
Concen: 10.244 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX009268.D
Acq: 02 May 2019 11:27

Tgt Ion:106 Resp: 34938
Ion Ratio Lower Upper
106 100
91 222.8 110.8 332.3

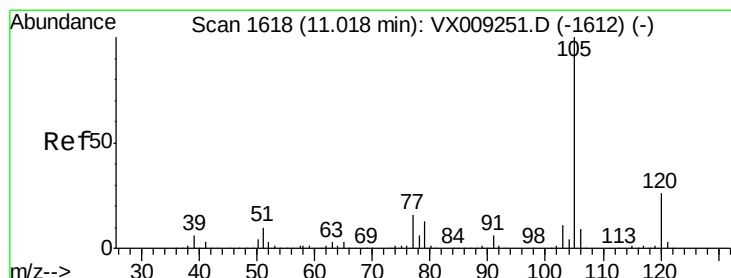
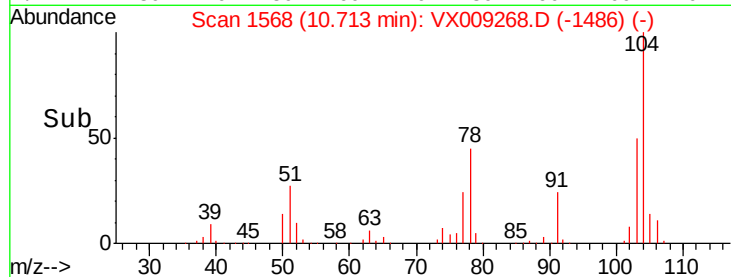
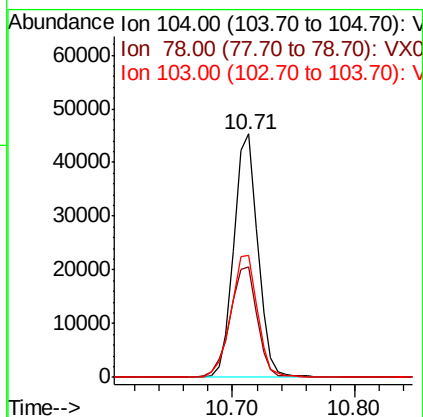
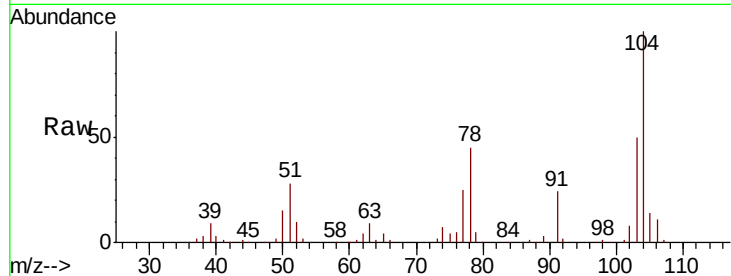




#69
Stvrene
Concen: 10.257 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX009268.D
Acq: 02 May 2019 11:27

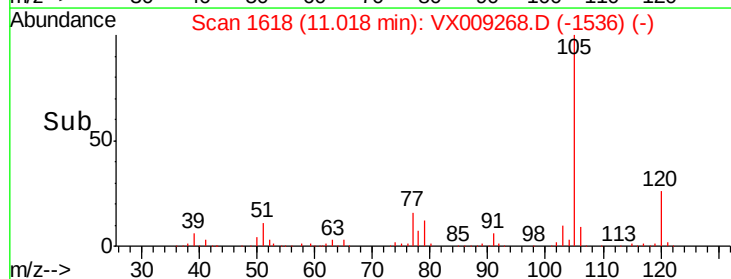
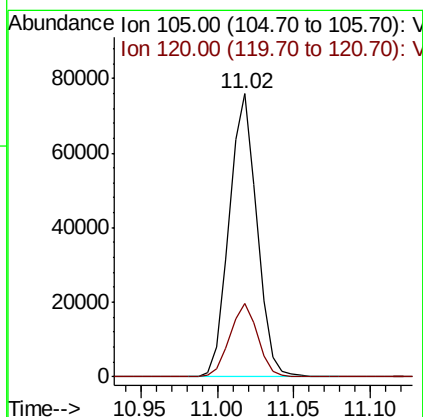
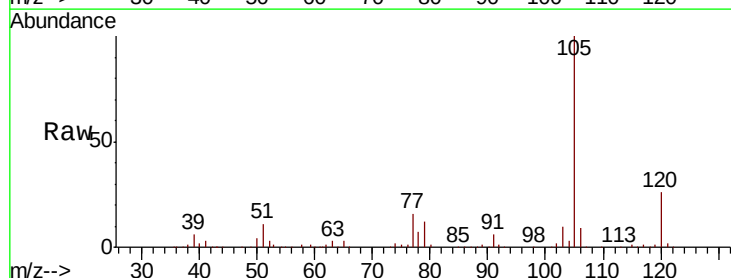
Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT2-2019

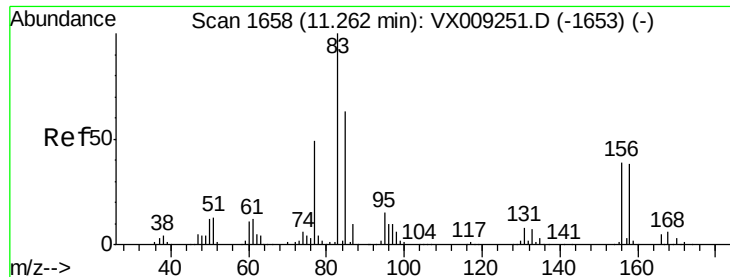
Tot Ion:104 Resp: 61410
Ion Ratio Lower Upper
104 100
78 51.2 41.1 61.7
103 55.7 43.8 65.8



#70
Isopropylbenzene
Concen: 10.383 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX009268.D
Acq: 02 May 2019 11:27

Tgt Ion:105 Resp: 95234
Ion Ratio Lower Upper
105 100
120 26.3 18.1 33.7

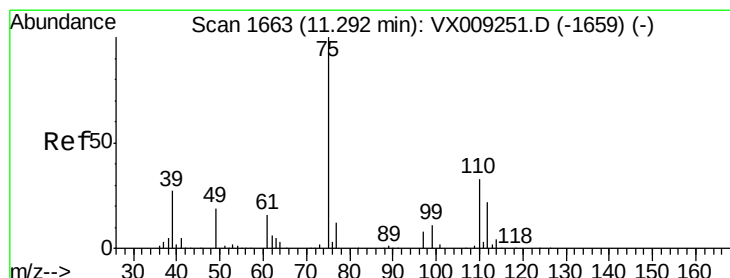
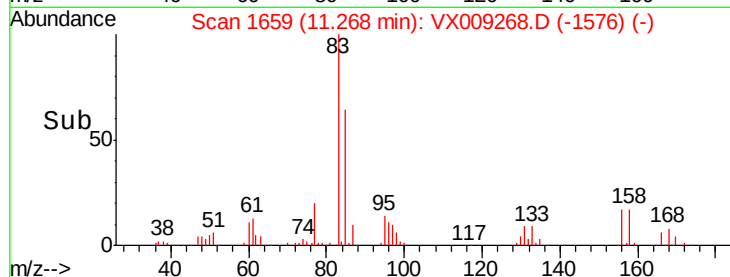
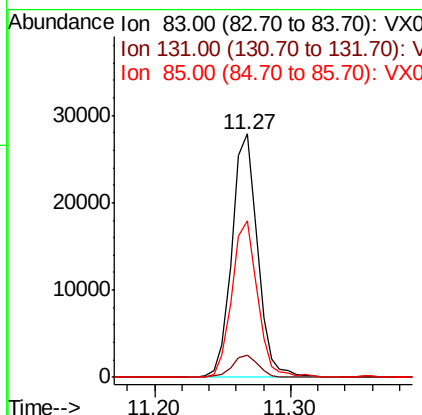
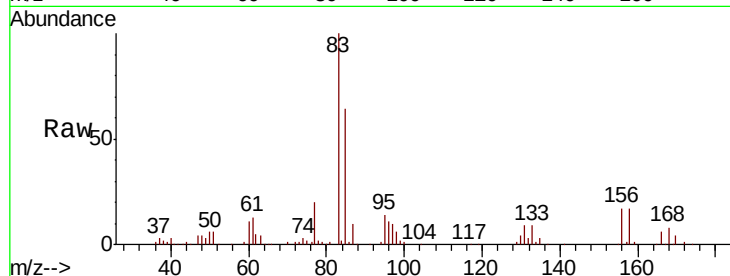




#71
 1,1,2,2-Tetrachloroethane
 Concen: 10.898 ug/l
 RT: 11.27 min Scan# 1659
 Delta R.T. 0.01 min
 Lab File: VX009268.D
 Acq: 02 May 2019 11:27

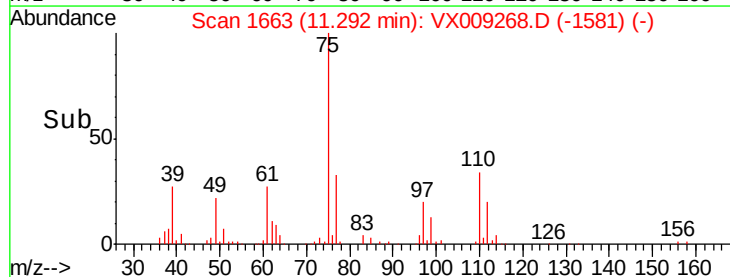
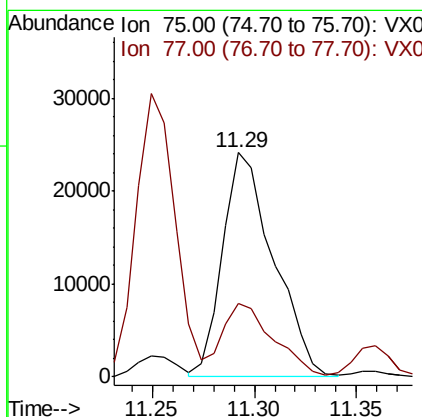
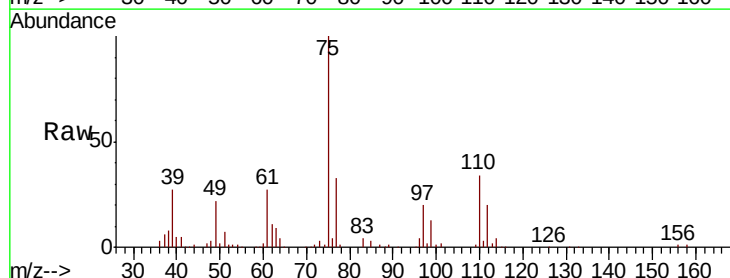
Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT2-2019

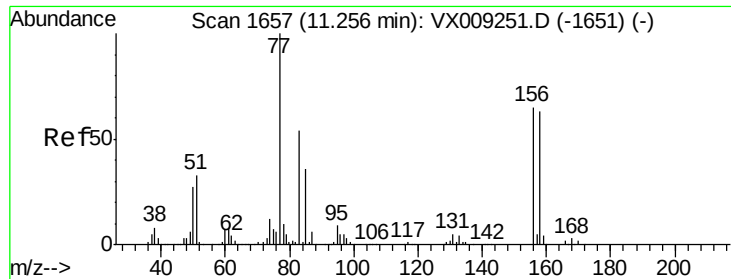
Tot Ion	83	Resp	36609
Ion Ratio	Lower	Upper	
83	100		
131	9.2	4.7	14.0
85	64.6	32.4	97.2



#72
 1,2,3-Trichloropropane
 Concen: 14.498 ug/l
 RT: 11.29 min Scan# 1663
 Delta R.T. -0.00 min
 Lab File: VX009268.D
 Acq: 02 May 2019 11:27

Tgt Ion	75	Resp	41967
Ion Ratio	Lower	Upper	
75	100		
77	32.9	0.0	86.4

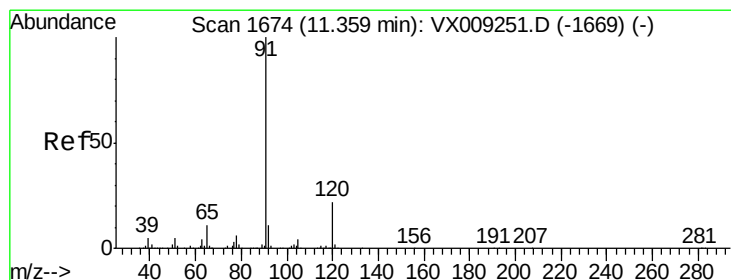
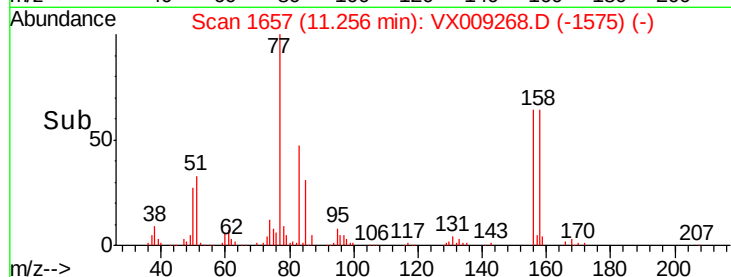
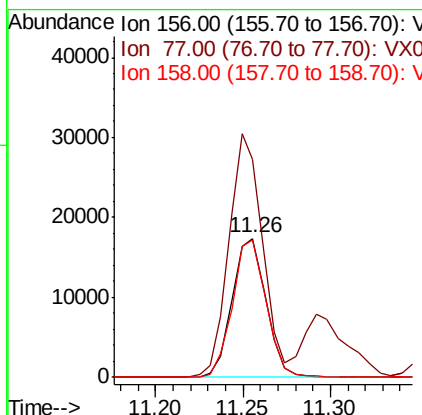
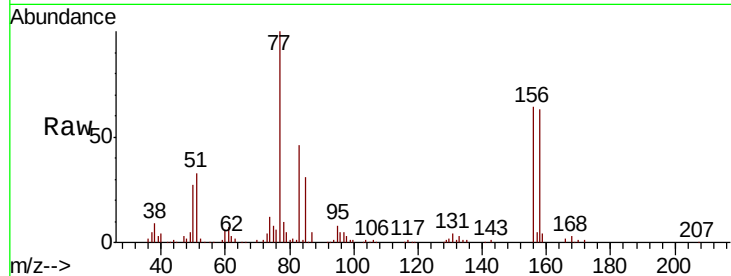




#73
Bromobenzene
Concen: 10.409 ug/l
RT: 11.26 min Scan# 1657
Delta R.T. -0.00 min
Lab File: VX009268.D
Acq: 02 May 2019 11:27

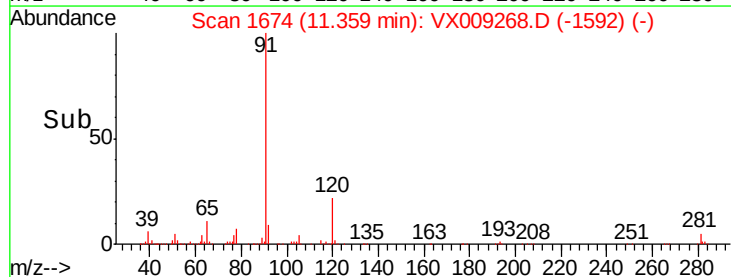
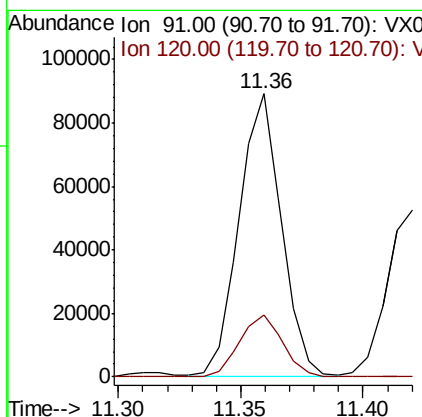
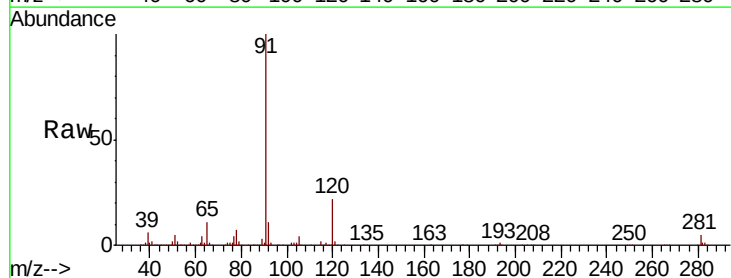
Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT2-2019

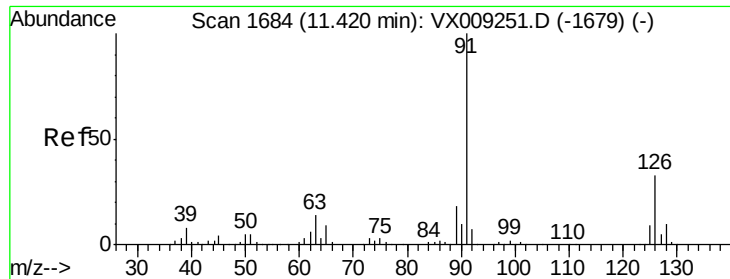
Tot Ion:156 Resp: 23589
Ion Ratio Lower Upper
156 100
77 171.9 0.0 335.6
158 97.8 0.0 191.2



#74
n-propylbenzene
Concen: 10.106 ug/l
RT: 11.36 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VX009268.D
Acq: 02 May 2019 11:27

Tgt Ion: 91 Resp: 107421
Ion Ratio Lower Upper
91 100
120 22.4 0.0 43.4





#75

2-Chlorotoluene

Concen: 10.427 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX009268.D

Acq: 02 May 2019 11:27

Instrument :

MSVOA_X

ClientSampleId :

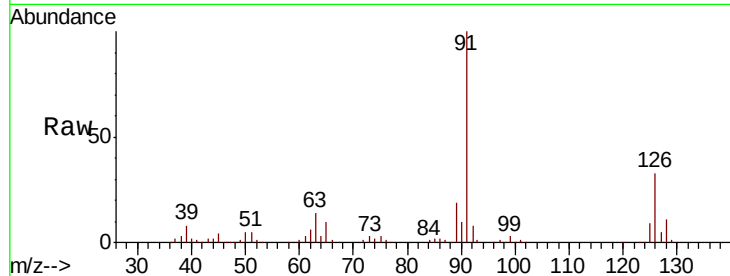
LOQ-WATER-02-QT2-2019

Tot Ion: 91 Resp: 66476

Ion Ratio Lower Upper

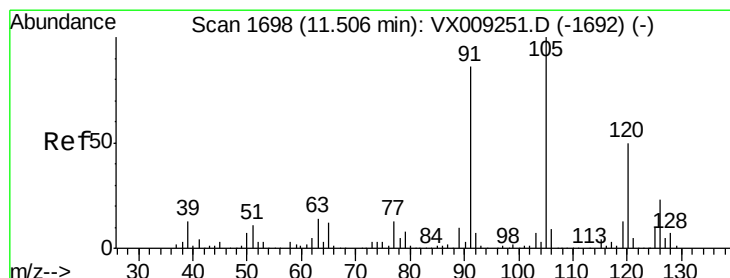
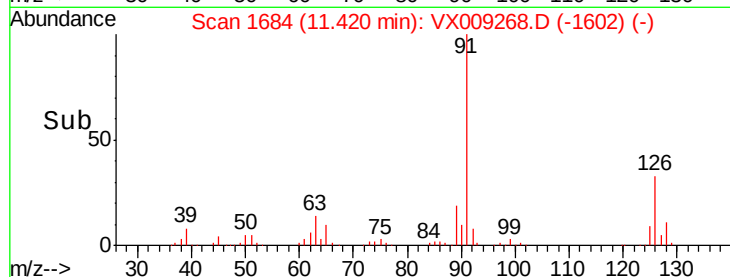
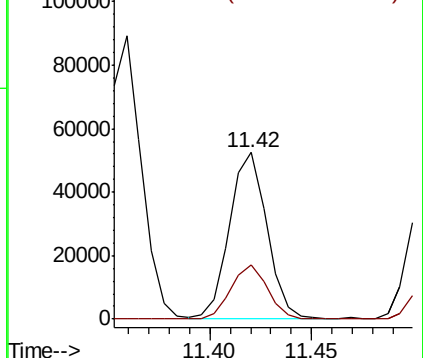
91 100

126 32.2 0.0 64.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 126.00 (125.70 to 126.70): V



#76

1,3,5-Trimethylbenzene

Concen: 10.399 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX009268.D

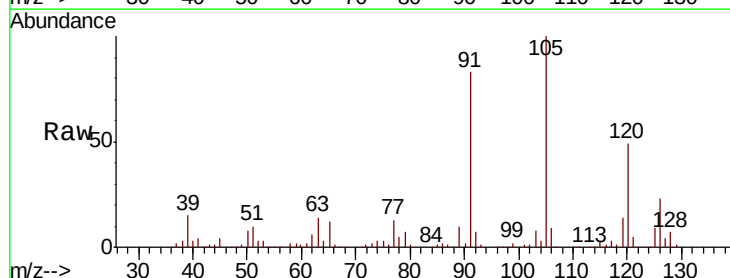
Acq: 02 May 2019 11:27

Tgt Ion:105 Resp: 80796

Ion Ratio Lower Upper

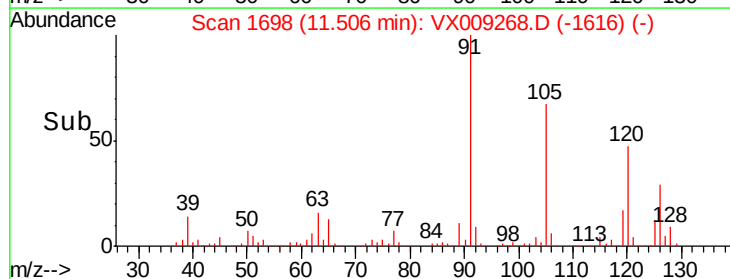
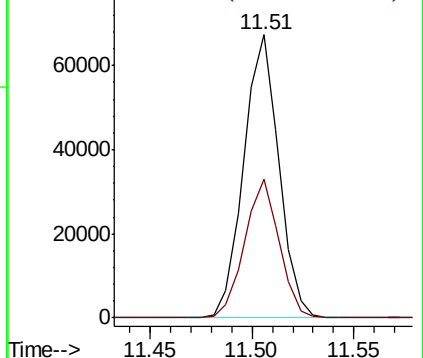
105 100

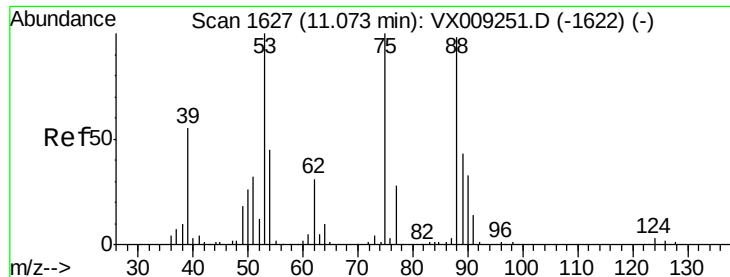
120 48.0 0.0 97.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#77

t-1,4-Dichloro-2-butene

Concen: 9.293 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX009268.D

Acq: 02 May 2019 11:27

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT2-2019

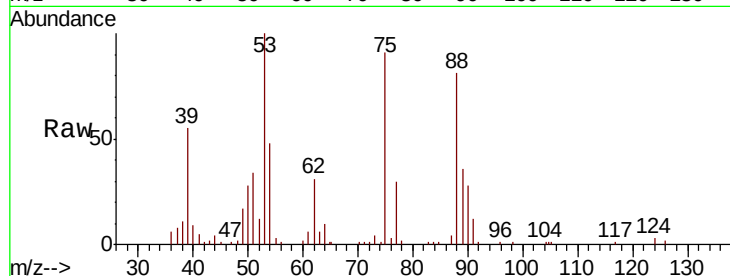
Tot Ion: 75 Resp: 10851

Ion Ratio Lower Upper

75 100

53 109.5 50.0 149.8

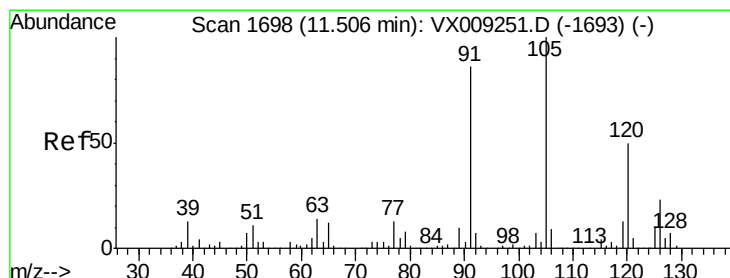
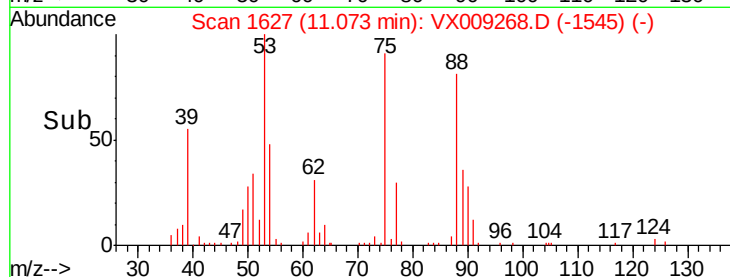
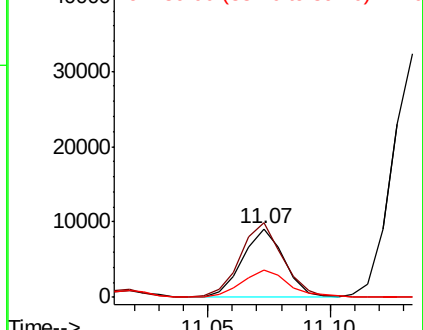
89 39.9 21.6 65.0



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 89.00 (88.70 to 89.70): VX0



#78

4-Chlorotoluene

Concen: 10.109 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX009268.D

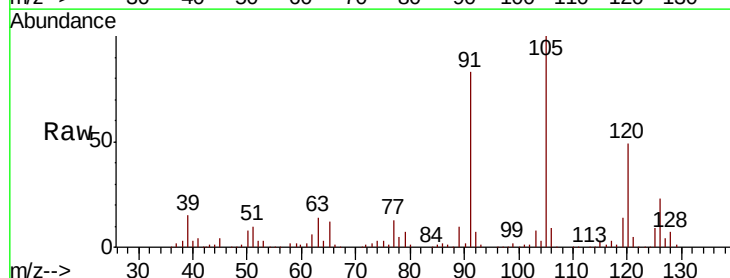
Acq: 02 May 2019 11:27

Tgt Ion: 91 Resp: 73197

Ion Ratio Lower Upper

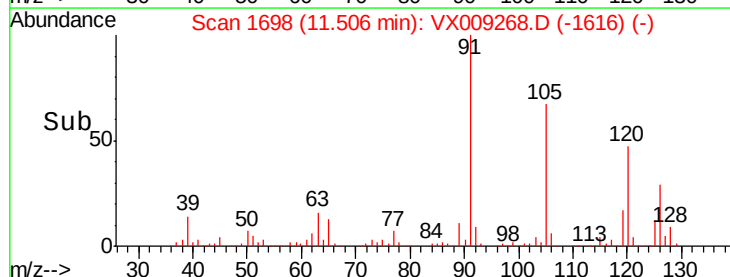
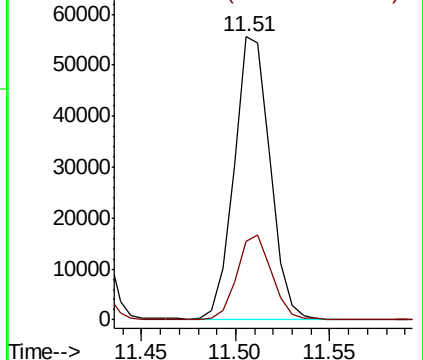
91 100

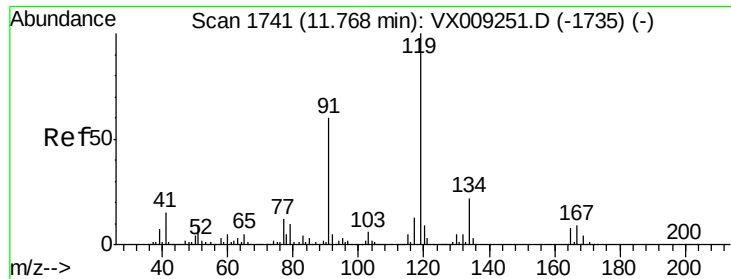
126 29.1 0.0 57.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 126.00 (125.70 to 126.70): V

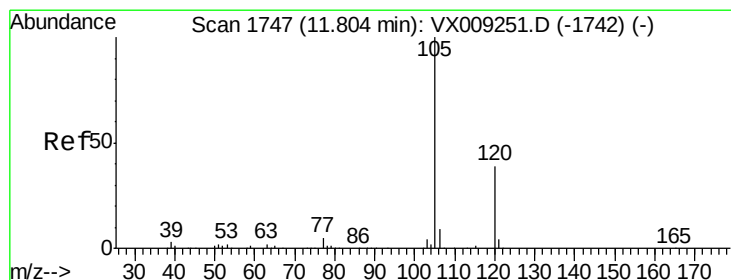
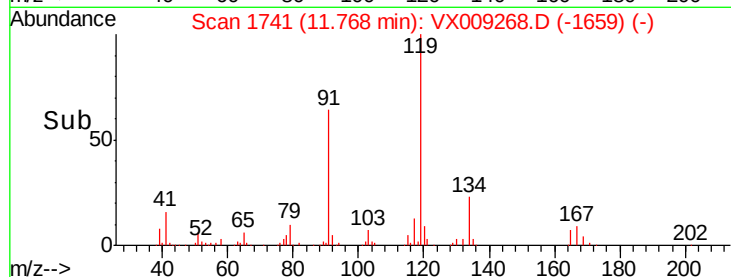
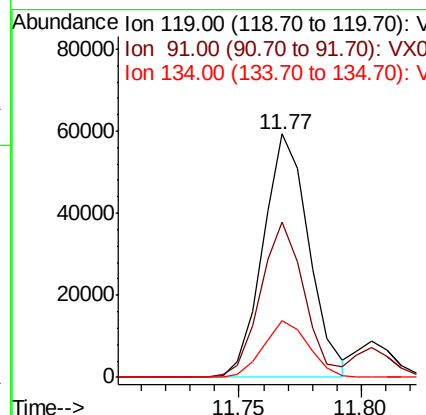
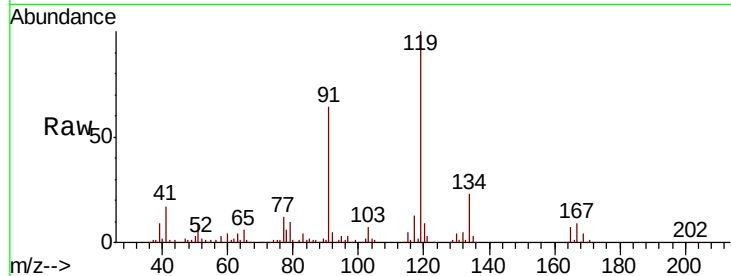




#79
tert-butylbenzene
Concen: 10.300 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX009268.D
Acq: 02 May 2019 11:27

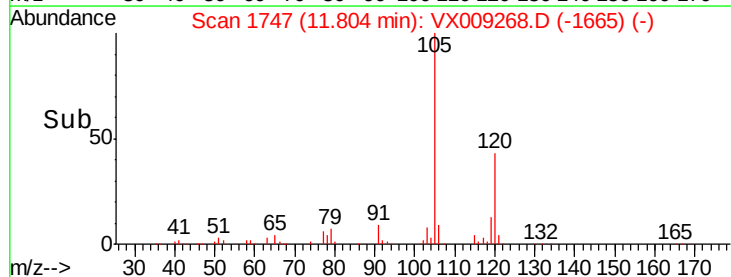
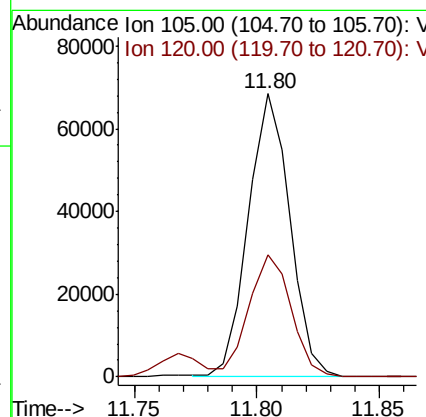
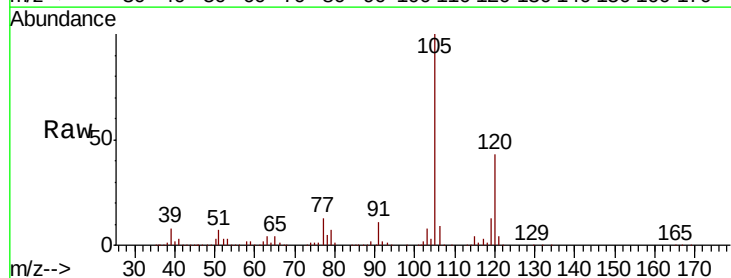
Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT2-2019

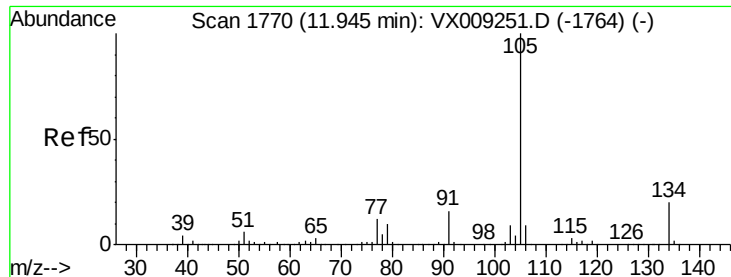
Tot Ion:119 Resp: 77366
Ion Ratio Lower Upper
119 100
91 60.8 0.0 118.2
134 22.9 0.0 45.0



#80
1,2,4-Trimethylbenzene
Concen: 10.426 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX009268.D
Acq: 02 May 2019 11:27

Tgt Ion:105 Resp: 81192
Ion Ratio Lower Upper
105 100
120 44.4 0.0 89.6





#81

sec-Butylbenzene

Concen: 10.261 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX009268.D

Acq: 02 May 2019 11:27

Instrument :

MSVOA_X

ClientSampleId :

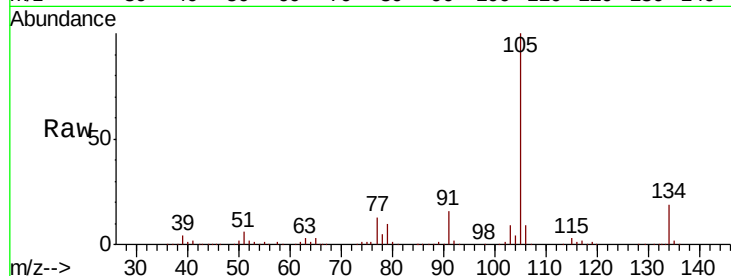
LOQ-WATER-02-QT2-2019

Tot Ion:105 Resp: 91565

Ion Ratio Lower Upper

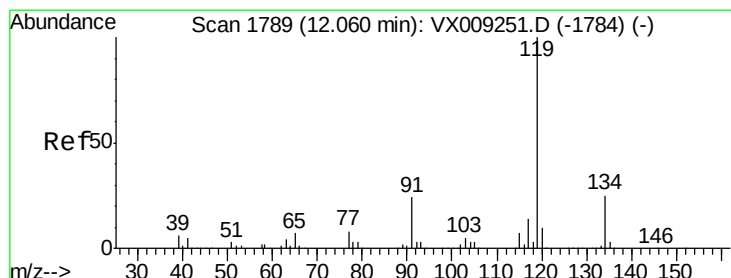
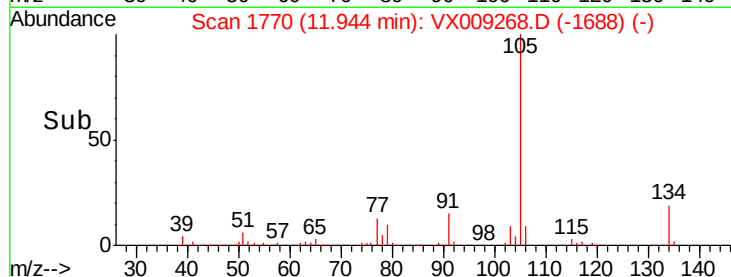
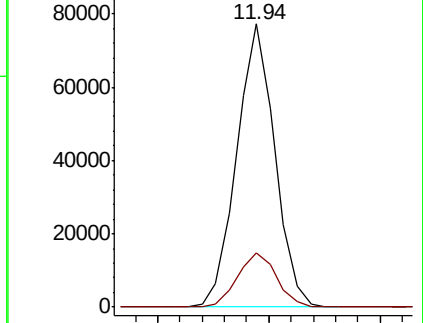
105 100

134 19.8 0.0 38.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 10.328 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX009268.D

Acq: 02 May 2019 11:27

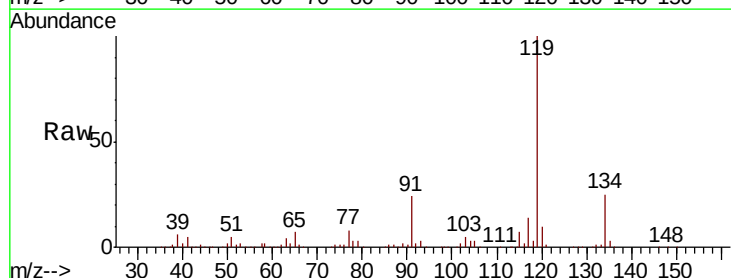
Tgt Ion:119 Resp: 83841

Ion Ratio Lower Upper

119 100

134 24.9 0.0 50.8

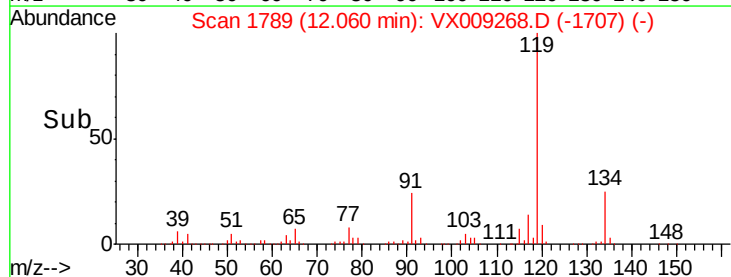
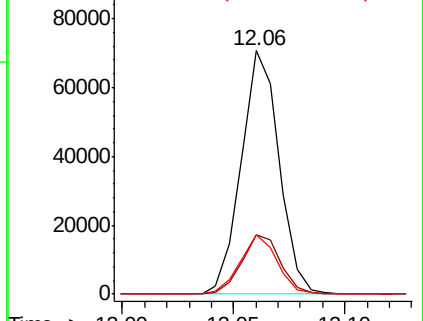
91 23.7 0.0 47.2

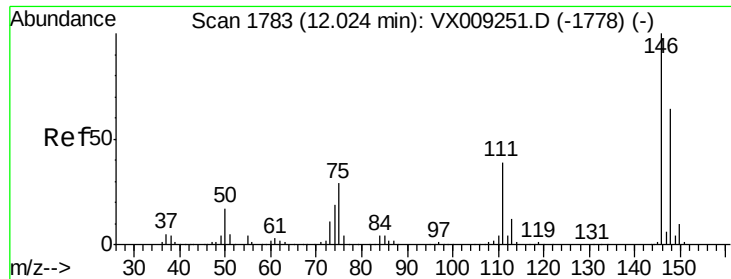


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

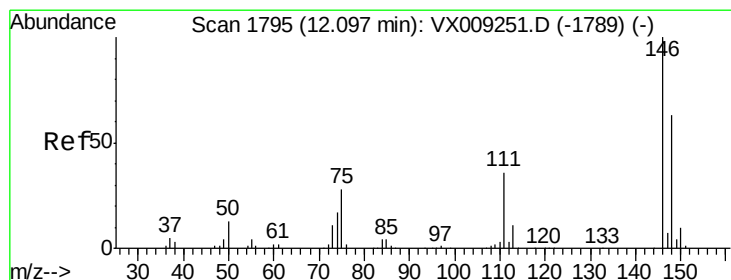
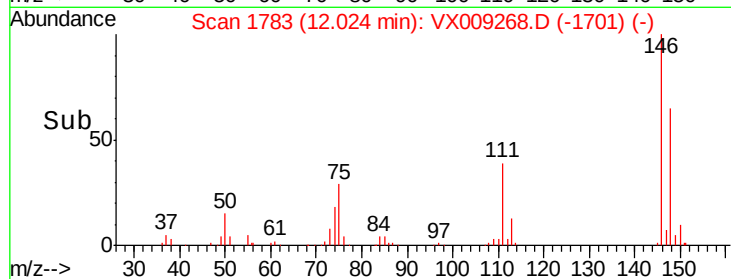
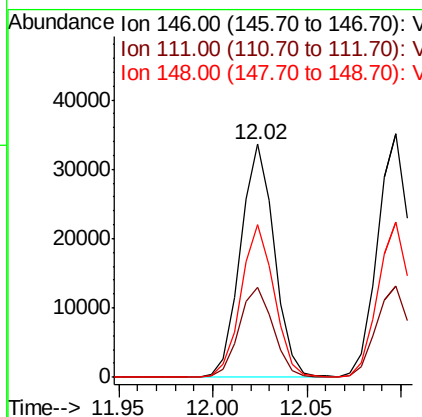
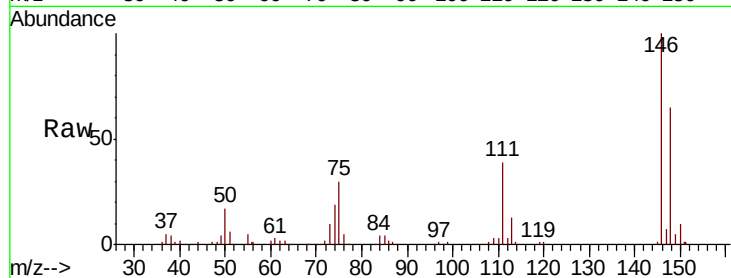




#83
 1,3-Dichlorobenzene
 Concen: 10.335 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX009268.D
 Acq: 02 May 2019 11:27

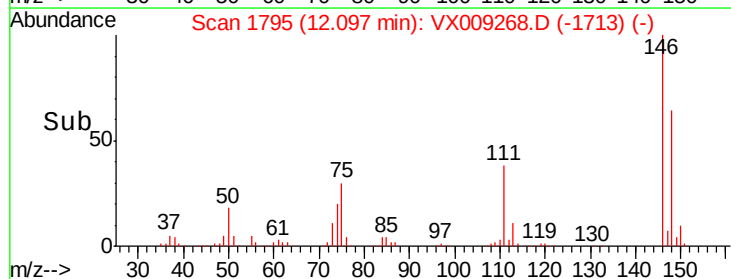
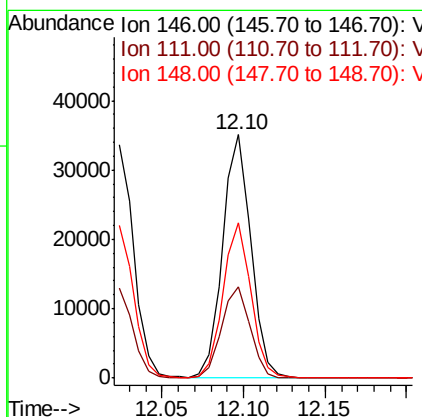
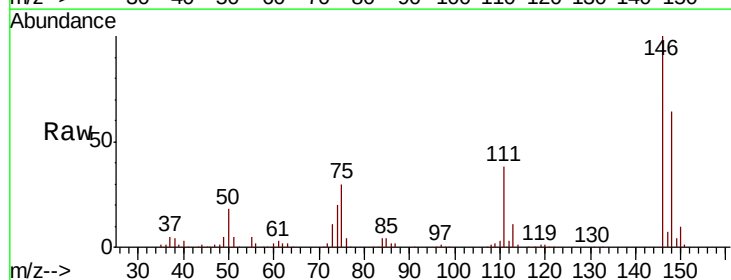
Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT2-2019

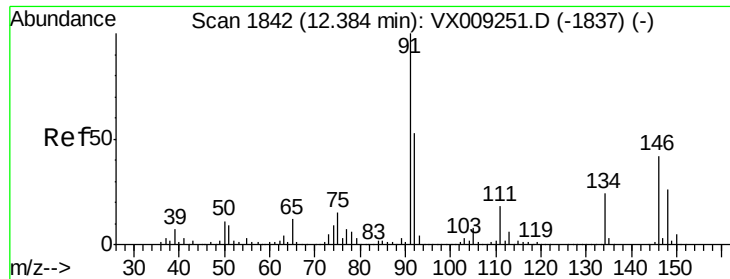
Tot Ion:146 Resp: 41828
 Ion Ratio Lower Upper
 146 100
 111 39.3 20.0 60.0
 148 64.3 32.2 96.6



#84
 1,4-Dichlorobenzene
 Concen: 10.518 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX009268.D
 Acq: 02 May 2019 11:27

Tgt Ion:146 Resp: 42411
 Ion Ratio Lower Upper
 146 100
 111 38.3 19.6 58.7
 148 62.9 32.3 96.8





#85

n-Butylbenzene

Concen: 9.716 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. -0.00 min

Lab File: VX009268.D

Acq: 02 May 2019 11:27

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT2-2019

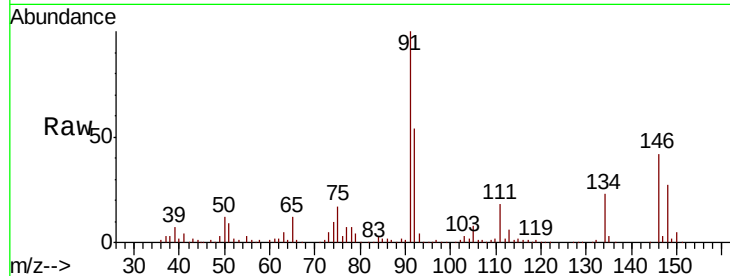
Tot Ion: 91 Resp: 72166

Ion Ratio Lower Upper

91 100

92 53.5 0.0 106.6

134 24.5 0.0 50.0

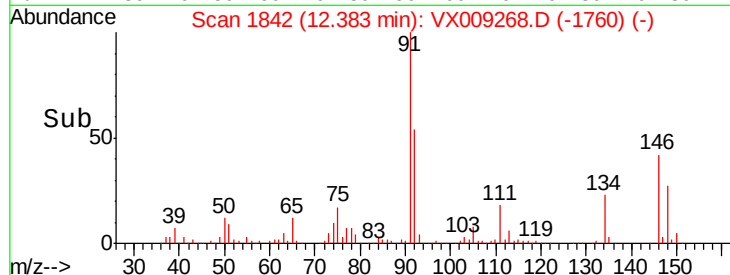


Abundance Ion 91.00 (90.70 to 91.70): VX009251.D (-1837) (-)

Ion 92.00 (91.70 to 92.70): VX009251.D (-1837) (-)

Ion 134.00 (133.70 to 134.70): VX009251.D (-1837) (-)

Time-->

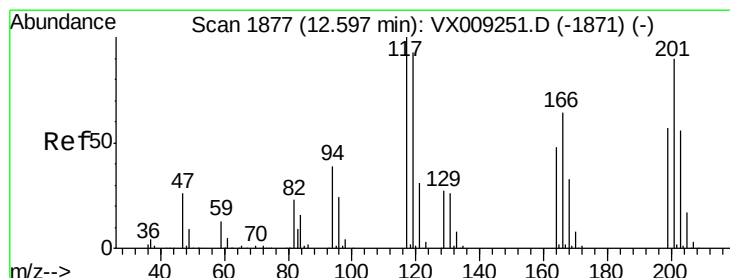


Abundance Ion 91.00 (90.70 to 91.70): VX009268.D (-1760) (-)

Ion 92.00 (91.70 to 92.70): VX009268.D (-1760) (-)

Ion 134.00 (133.70 to 134.70): VX009268.D (-1760) (-)

Time-->



#86

Hexachloroethane

Concen: 9.535 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VX009268.D

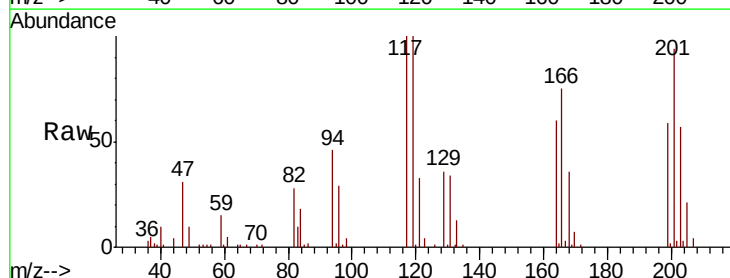
Acq: 02 May 2019 11:27

Tgt Ion: 117 Resp: 13170

Ion Ratio Lower Upper

117 100

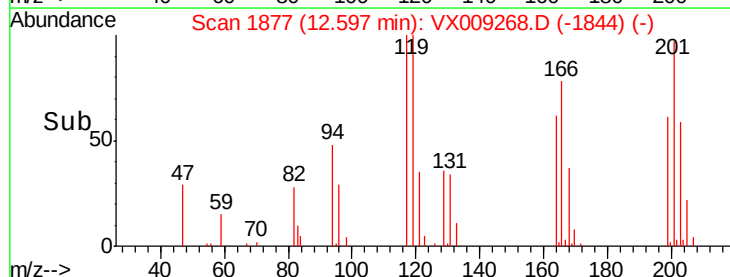
201 87.1 41.8 125.4



Abundance Ion 117.00 (116.70 to 117.70): VX009251.D (-1871) (-)

Ion 201.00 (200.70 to 201.70): VX009251.D (-1871) (-)

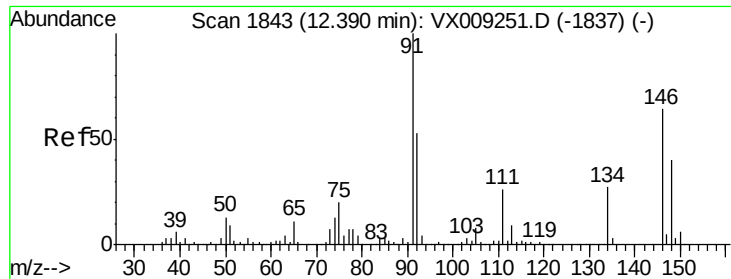
Time-->



Abundance Ion 117.00 (116.70 to 117.70): VX009268.D (-1844) (-)

Ion 201.00 (200.70 to 201.70): VX009268.D (-1844) (-)

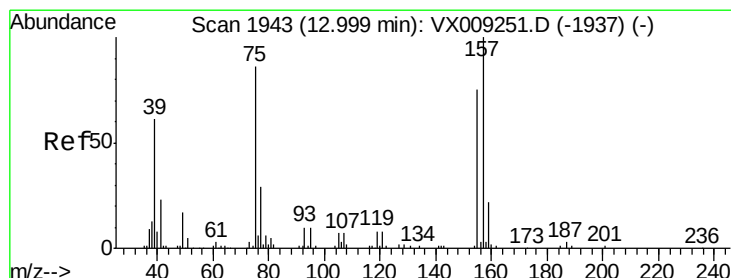
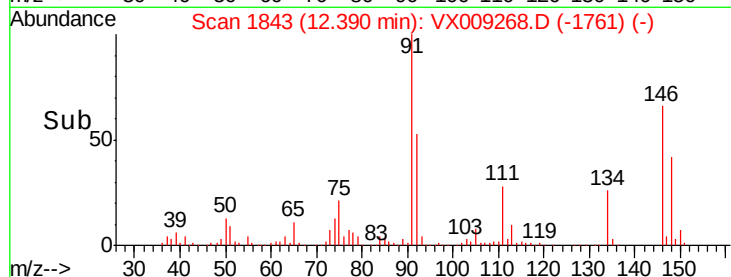
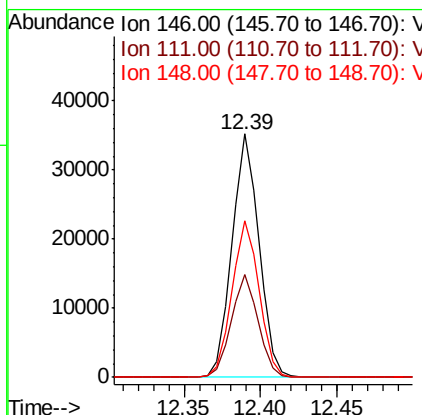
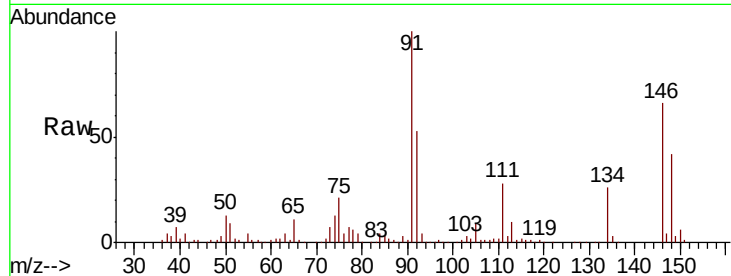
Time-->



#87
 1,2-Dichlorobenzene
 Concen: 10.584 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX009268.D
 Acq: 02 May 2019 11:27

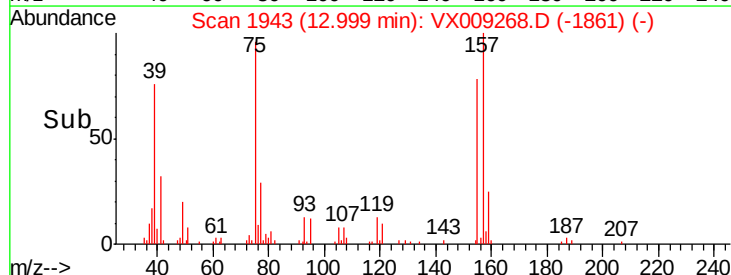
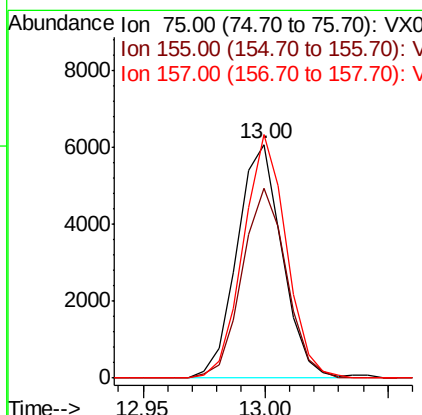
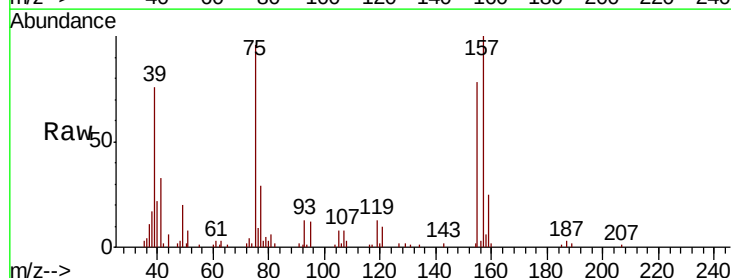
Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT2-2019

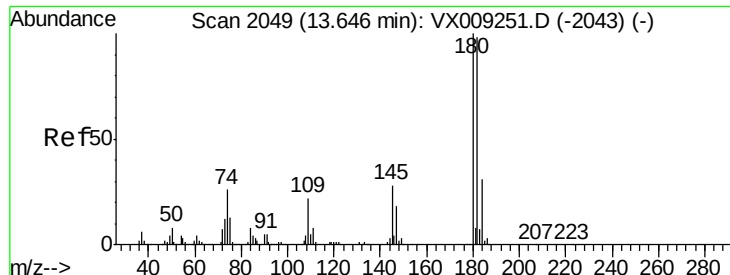
Tot Ion:146 Resp: 43119
 Ion Ratio Lower Upper
 146 100
 111 41.5 20.8 62.2
 148 64.1 31.4 94.3



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 9.981 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX009268.D
 Acq: 02 May 2019 11:27

Tgt Ion: 75 Resp: 7791
 Ion Ratio Lower Upper
 75 100
 155 79.9 65.9 98.9
 157 99.5 85.2 127.8

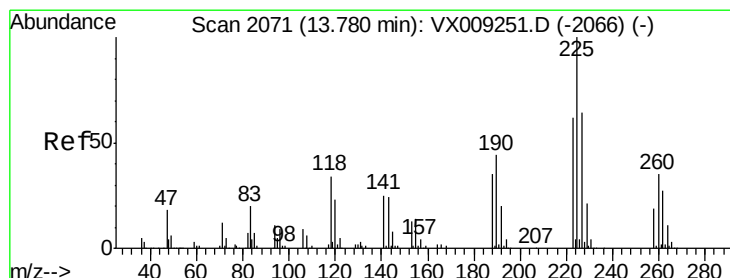
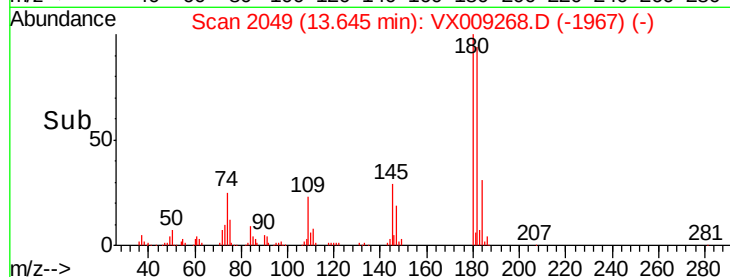
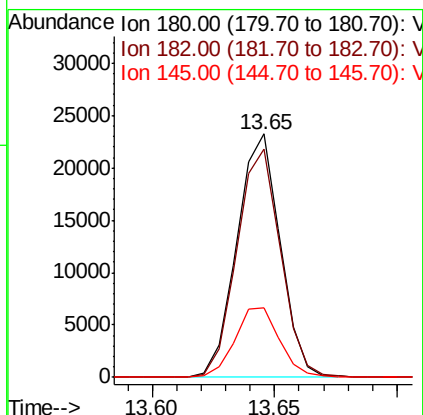
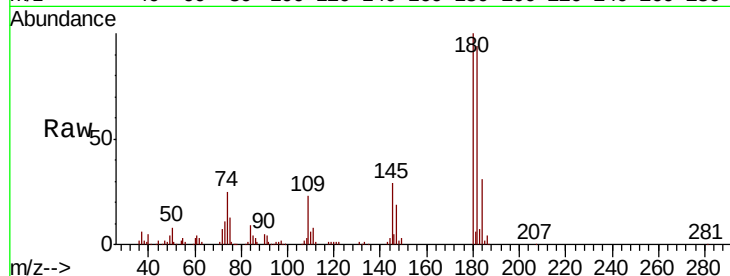




#89
 1,2,4-Trichlorobenzene
 Concen: 9.790 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX009268.D
 Acq: 02 May 2019 11:27

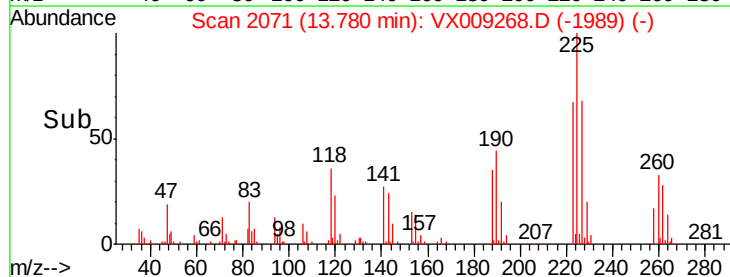
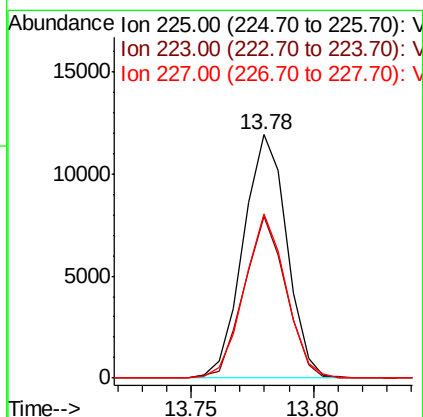
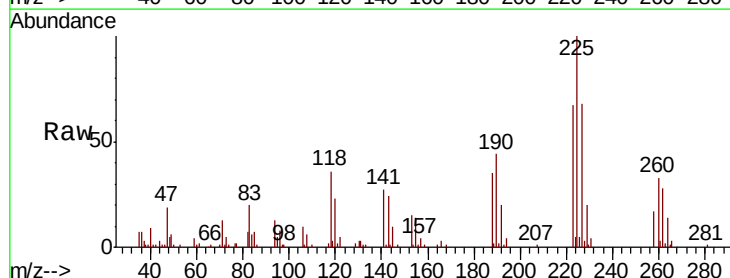
Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT2-2019

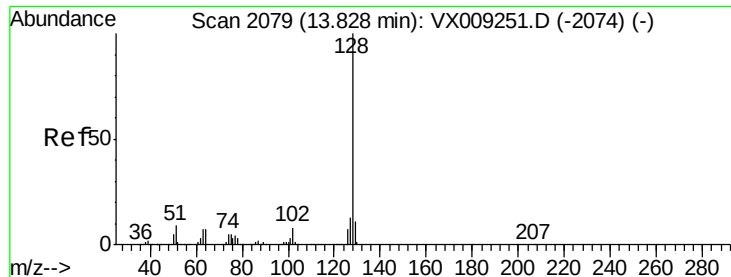
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.9	115.3
145	29.8	23.0	34.6



#90
 Hexachlorobutadiene
 Concen: 10.188 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX009268.D
 Acq: 02 May 2019 11:27

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.7	0.0	126.6
227	64.7	0.0	130.0





#91

Naphthalene

Concen: 9.835 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.01 min

Lab File: VX009268.D

Acq: 02 May 2019 11:27

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT2-2019

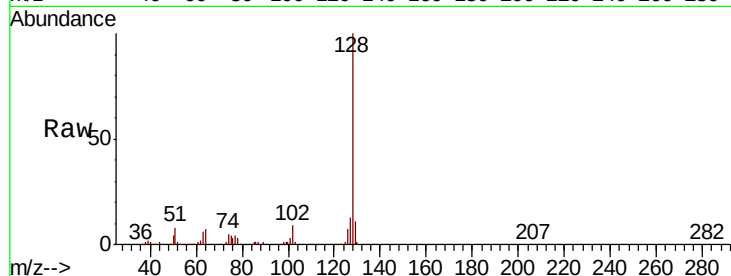
Tot Ion:128 Resp: 93499

Ion Ratio Lower Upper

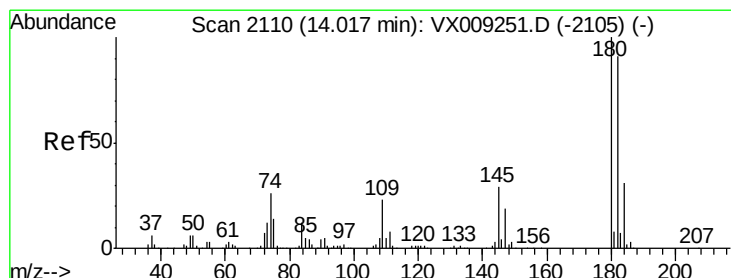
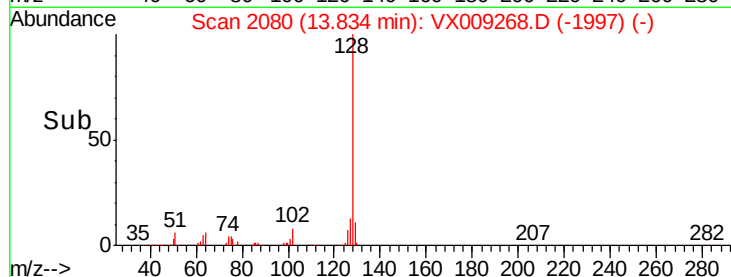
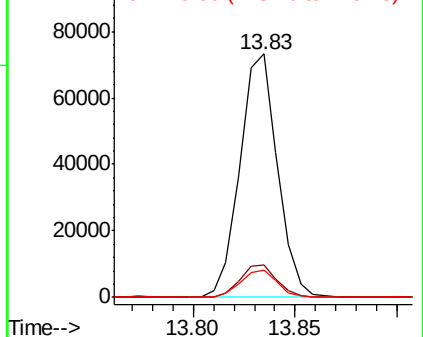
128 100

127 13.3 10.5 15.7

129 11.0 8.7 13.1



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



#92

1,2,3-Trichlorobenzene

Concen: 9.765 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX009268.D

Acq: 02 May 2019 11:27

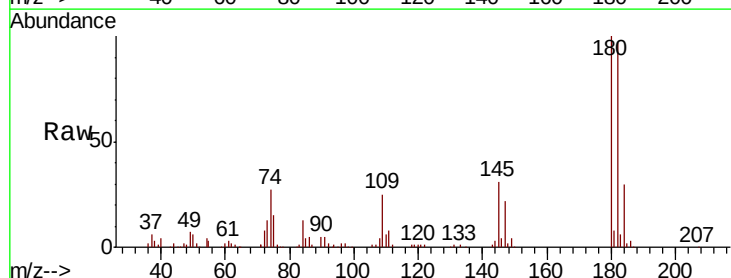
Tgt Ion:180 Resp: 28824

Ion Ratio Lower Upper

180 100

182 97.0 0.0 189.0

145 31.6 0.0 61.6



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

