

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX051818\
 Data File : VX001815.D
 Acq On : 18 May 2018 08:40
 Operator : JC/MD
 Sample : J2923-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-NPW-Precision-Bias-4

Quant Time: May 18 10:10:01 2018
 Quant Method : W:\HPCHEM1\MSVOA X\METHOD\624X051818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri May 18 10:06:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.03	128	64304	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.87	114	319853	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	258983	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	123744	29.77	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.23%
60) 4-Bromofluorobenzene	11.14	95	116089	30.15	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	100.50%
63) Toluene-d8	8.72	98	397286	30.35	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.17%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.20	85	12771	7.20	ug/l	99
3) Chloromethane	1.32	50	18128	5.36	ug/l	96
4) Vinyl Chloride	1.40	62	17260	5.88	ug/l	98
5) Bromomethane	1.64	94	9377	4.87	ug/l	97
6) Chloroethane	1.72	64	11039	5.06	ug/l	97
7) Trichlorofluoromethane	1.93	101	24371	7.44	ug/l	99
8) Diethyl Ether	2.19	74	10608	4.61	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	13699	7.40	ug/l	97
10) 1,1-Dichloroethene	2.37	96	14572	6.42	ug/l	98
11) Methyl Iodide	2.51	142	15140	4.22	ug/l	95
12) Methyl Acetate	2.78	43	24222	4.39	ug/l	98
13) Acrolein	2.29	56	16809	25.55	ug/l	99
14) Acrylonitrile	3.15	53	48628	23.17	ug/l	99
15) Acetone	2.45	58	13358	23.31	ug/l	98
16) Carbon Disulfide	2.57	76	32593	5.74	ug/l	100
17) Allyl chloride	2.73	41	25358	5.00	ug/l	97
18) Methylene Chloride	2.86	84	17221	4.93	ug/l	97
19) trans-1,2-Dichloroethene	3.16	96	15365	5.49	ug/l	97
20) Diisopropyl ether	3.88	45	52135	4.72	ug/l	99
21) 1,1-Dichloroethane	3.70	63	29143	5.16	ug/l	97
22) cis-1,2-Dichloroethene	4.60	96	18199	5.01	ug/l	90
23) tert-Butyl Alcohol	3.09	59	20801	23.84	ug/l	# 100
24) Methyl tert-Butyl Ether	3.21	73	48939	4.53	ug/l	98
25) Chloroform	5.22	83	30314	5.03	ug/l	97
26) Cyclohexane	5.57	56	22585	7.34	ug/l	# 98
29) 1,1-Dichloropropene	5.80	75	19943	5.50	ug/l	98
30) 2-Butanone	4.72	43	65313	19.96	ug/l	100
31) 2,2-Dichloropropane	4.59	77	9739	4.25	ug/l	# 76
32) 1,1,1-Trichloroethane	5.49	97	24961	5.19	ug/l	99
33) Carbon Tetrachloride	5.79	117	21745	5.66	ug/l	95
34) Benzene	6.15	78	67624	4.67	ug/l	98
35) Methacrylonitrile	5.07	41	13861	3.98	ug/l	95
36) 1,2-Dichloroethane	6.20	62	23699	4.18	ug/l	100
37) Trichloroethene	7.22	130	19369	4.89	ug/l	94
38) Methylcyclohexane	7.46	83	20325	6.08	ug/l	99
39) 1,2-Dichloropropane	7.52	63	16695	4.32	ug/l	97
40) Dibromomethane	7.67	93	11307	4.08	ug/l	97

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri May 18 10:06:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	19615	4.02	ug/l	97
42) Vinyl Acetate	3.83	43	204307	23.04	ug/l	99
43) Ethyl Acetate	4.87	43	25701	4.12	ug/l	96
44) Isopropyl Acetate	6.48	43	34999	3.87	ug/l	100
45) 1,4-Dioxane	7.76	88	8555	77.37	ug/l	95
46) Methyl methacrylate	7.79	41	18434	3.87	ug/l	98
47) n-amyl Acetate	10.91	43	23756	3.80	ug/l	100
48) t-1,3-Dichloropropene	8.44	75	19642	3.83	ug/l	94
49) cis-1,3-Dichloropropene	9.05	75	16481	3.67	ug/l	100
50) 1,1,2-Trichloroethane	9.22	97	16418	4.32	ug/l	97
51) Ethyl methacrylate	9.19	69	21929	4.24	ug/l	93
52) 1,3-Dichloropropane	9.38	76	25707	4.26	ug/l	99
53) Dibromochloromethane	9.59	129	13961	3.78	ug/l	99
54) 1,2-Dibromoethane	9.68	107	15825	4.11	ug/l	97
55) 2-Chloroethyl vinyl ether	8.32	63	58798	19.48	ug/l	100
56) Bromoform	10.86	173	11028	3.65	ug/l	99
58) 4-Methyl-2-Pentanone	8.66	43	119400	18.44	ug/l	99
59) 2-Hexanone	9.51	43	80142	18.87	ug/l	96
61) Tetrachloroethene	9.34	164	20467	5.37	ug/l	95
62) Toluene	8.79	91	72587	4.85	ug/l	99
64) Chlorobenzene	10.15	112	41593	4.75	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.23	131	14959	4.23	ug/l	99
66) Ethyl Benzene	10.26	91	64685	5.20	ug/l	97
67) m/p-Xylenes	10.37	106	51092	10.28	ug/l	99
68) o-Xylene	10.71	106	24342	4.76	ug/l	96
69) Styrene	10.72	104	38861	4.56	ug/l	99
70) Isopropylbenzene	11.02	105	66137	5.51	ug/l	98
71) 1,1,2,2-Tetrachloroethane	11.27	83	22417	4.11	ug/l	98
72) 1,2,3-Trichloropropane	11.30	75	23092	4.45	ug/l	93
73) Bromobenzene	11.26	156	20893	4.91	ug/l	96
74) n-propylbenzene	11.37	91	69305	5.55	ug/l	99
75) 2-Chlorotoluene	11.43	91	46070	5.36	ug/l	99
76) 1,3,5-Trimethylbenzene	11.51	105	52905	5.30	ug/l	98
77) t-1,4-Dichloro-2-butene	11.08	75	3573	3.23	ug/l	84
78) 4-Chlorotoluene	11.52	91	50004	5.27	ug/l	99
79) tert-butylbenzene	12.07	119	53228	5.41	ug/l	99
80) 1,2,4-Trimethylbenzene	11.81	105	53325	5.17	ug/l	98
81) sec-Butylbenzene	11.95	105	62905	5.82	ug/l	99
82) p-Isopropyltoluene	12.07	119	53228	5.41	ug/l	99
83) 1,3-Dichlorobenzene	12.03	146	34378	5.19	ug/l	100
84) 1,4-Dichlorobenzene	12.10	146	34269	5.21	ug/l	99
85) n-Butylbenzene	12.40	91	38017	5.32	ug/l	99
86) Hexachloroethane	12.60	117	8962	5.46	ug/l	97
87) 1,2-Dichlorobenzene	12.40	146	36719	5.10	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	13.01	75	4284	3.71	ug/l	99
89) 1,2,4-Trichlorobenzene	13.65	180	22163	4.89	ug/l	99
90) Hexachlorobutadiene	13.79	225	12796	5.76	ug/l	98
91) Naphthalene	13.84	128	63570	4.02	ug/l	99
92) 1,2,3-Trichlorobenzene	14.03	180	24967	4.90	ug/l	98

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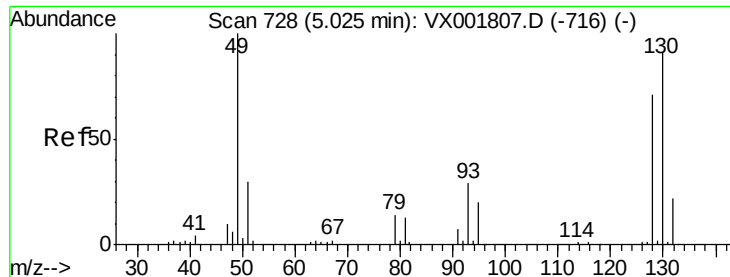
Instrument :
MSVOA_X
ClientSampleId :
LOQ-NPW-Precision-Bias-4

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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

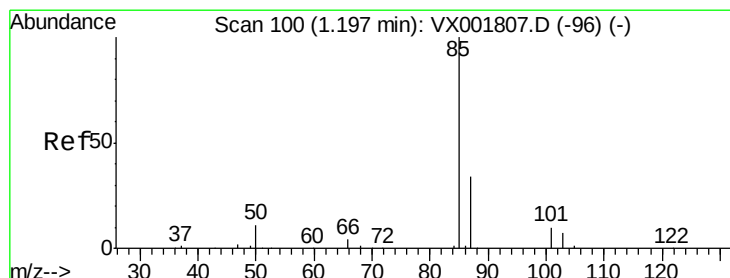
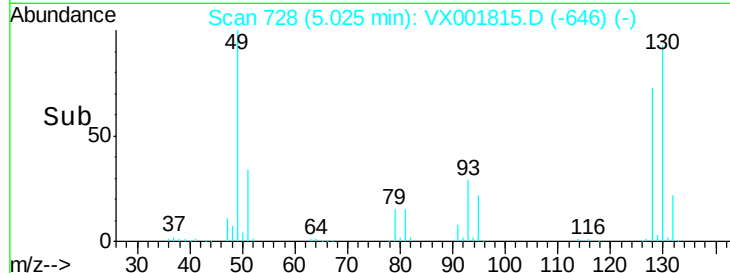
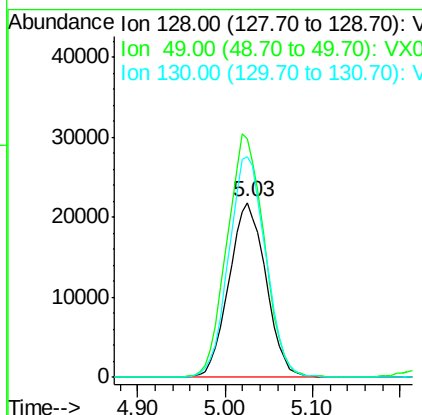
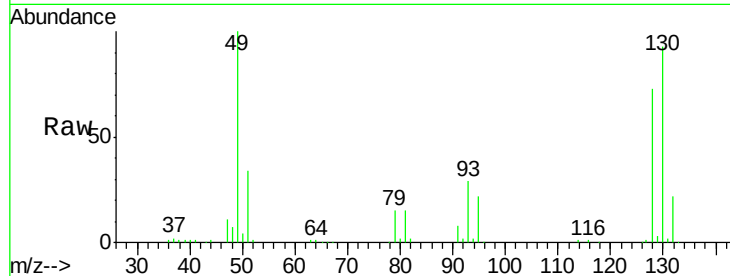
[illegible]



#1
 Bromochloromethane
 Concen: 30.00 ug/l
 RT: 5.03 min Scan# 728
 Delta R.T. 0.00 min
 Lab File: VX001815.D
 Acq: 18 May 2018 08:40

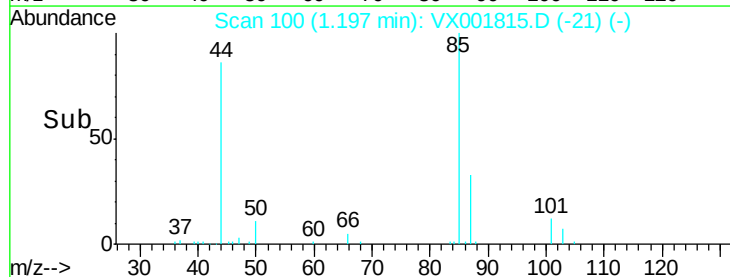
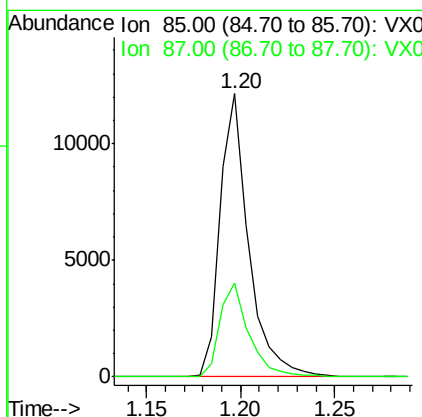
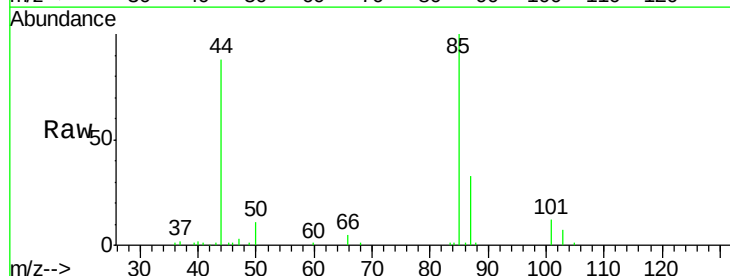
Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-NPW-Precision-Bias-4

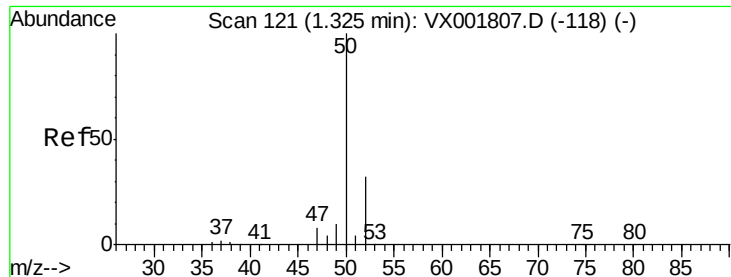
Tot Ion:128 Resp: 64304
 Ion Ratio Lower Upper
 128 100
 49 140.1 0.0 352.3
 130 126.4 0.0 323.5



#2
 Dichlorodifluoromethane
 Concen: 7.20 ug/l
 RT: 1.20 min Scan# 100
 Delta R.T. 0.00 min
 Lab File: VX001815.D
 Acq: 18 May 2018 08:40

Tgt Ion: 85 Resp: 12771
 Ion Ratio Lower Upper
 85 100
 87 33.1 16.9 50.7

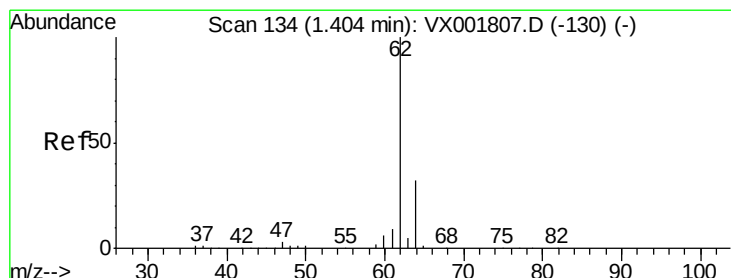
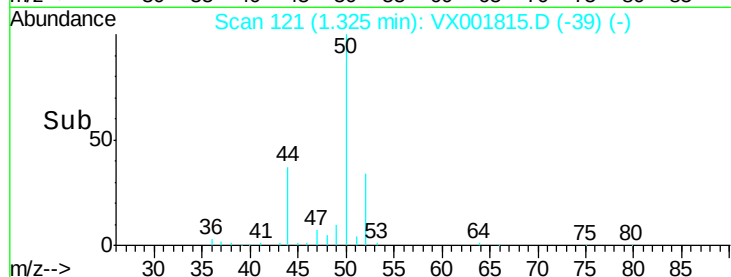
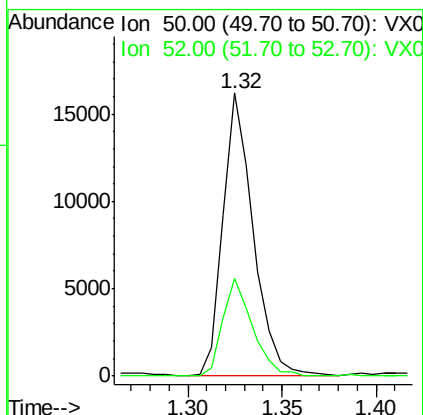
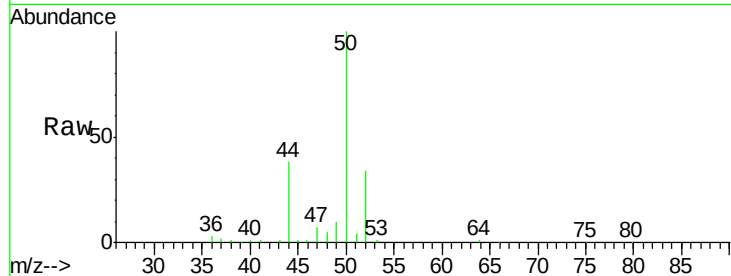




#3
Chloromethane
Concen: 5.36 ug/l
RT: 1.32 min Scan# 121
Delta R.T. 0.00 min
Lab File: VX001815.D
Acq: 18 May 2018 08:40

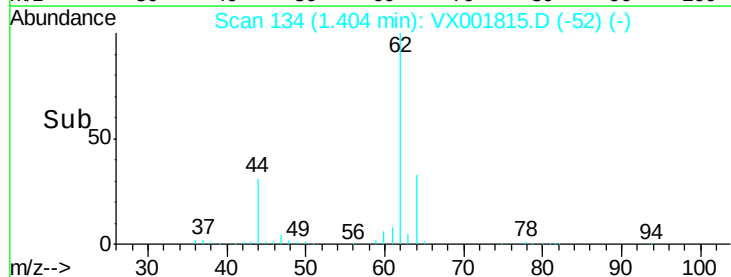
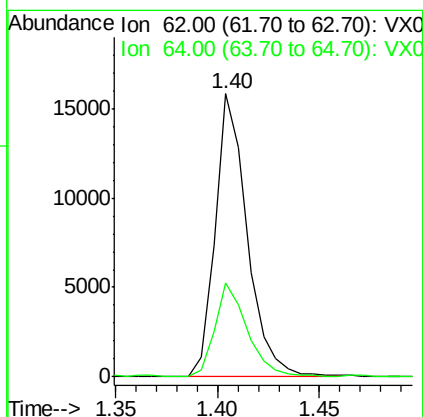
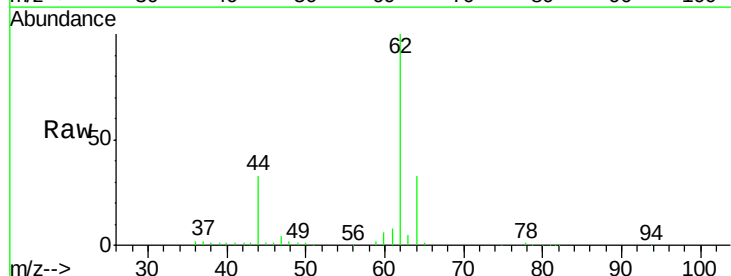
Instrument :
MSVOA_X
ClientSampleId :
LOQ-NPW-Precision-Bias-4

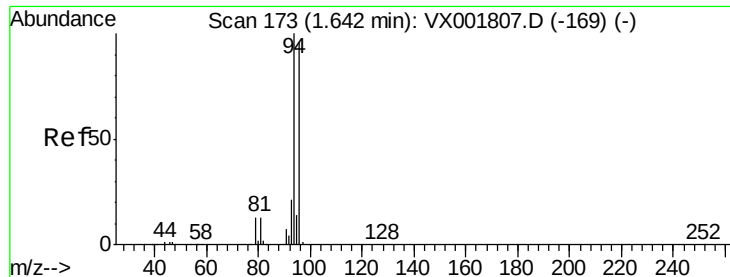
Tot Ion: 50 Resp: 18128
Ion Ratio Lower Upper
50 100
52 34.5 26.0 39.0



#4
Vinyl Chloride
Concen: 5.88 ug/l
RT: 1.40 min Scan# 134
Delta R.T. 0.00 min
Lab File: VX001815.D
Acq: 18 May 2018 08:40

Tgt Ion: 62 Resp: 17260
Ion Ratio Lower Upper
62 100
64 32.8 25.4 38.2





#5

Bromomethane

Concen: 4.87 ug/l

RT: 1.64 min Scan# 172

Delta R.T. -0.01 min

Lab File: VX001815.D

Acq: 18 May 2018 08:40

Instrument :

MSVOA_X

ClientSampleId :

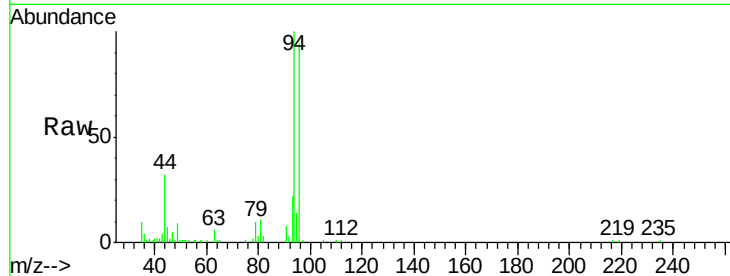
LOQ-NPW-Precision-Bias-4

Tot Ion: 94 Resp: 9377

Ion Ratio Lower Upper

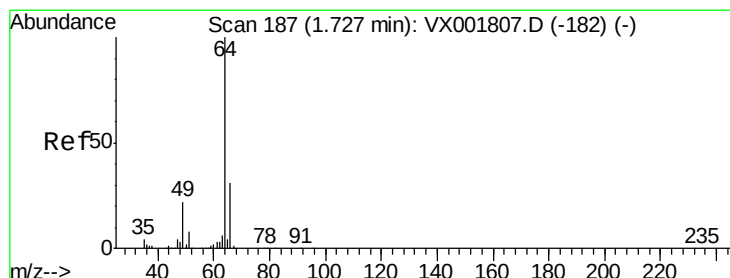
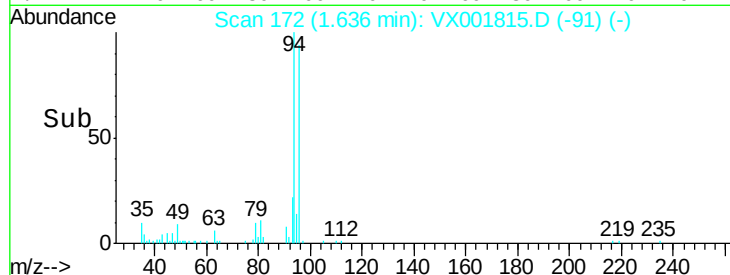
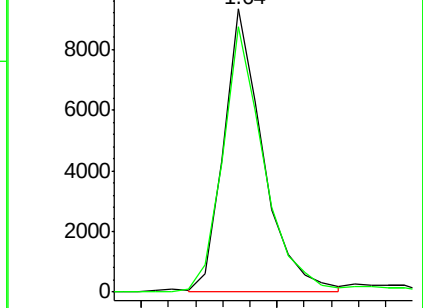
94 100

96 93.2 76.6 115.0



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0



#6

Chloroethane

Concen: 5.06 ug/l

RT: 1.72 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX001815.D

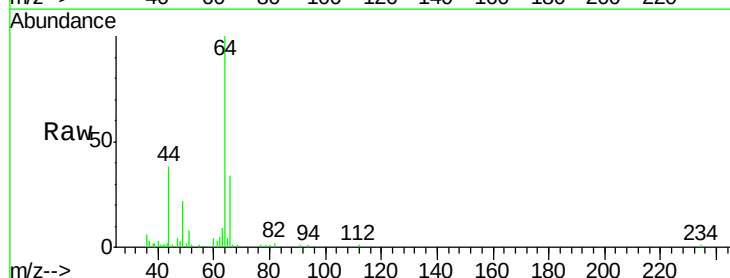
Acq: 18 May 2018 08:40

Tgt Ion: 64 Resp: 11039

Ion Ratio Lower Upper

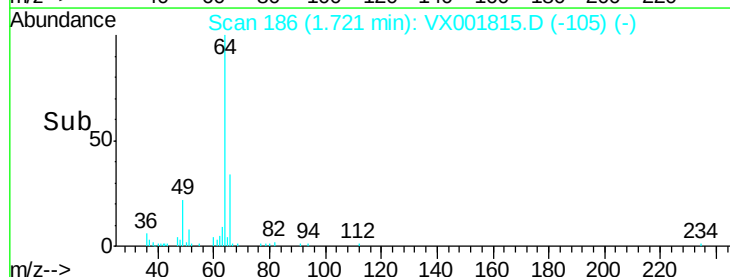
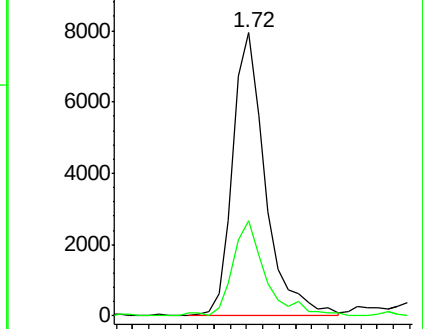
64 100

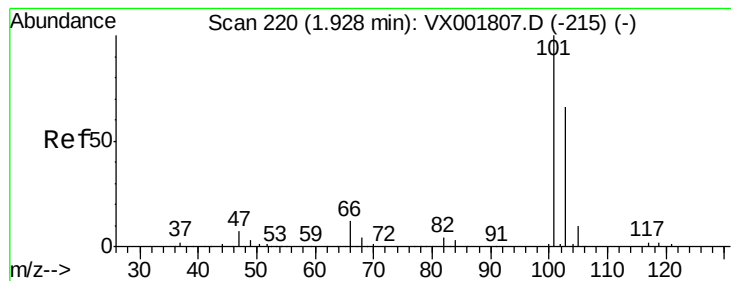
66 32.9 25.0 37.4



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0





#7

Trichlorofluoromethane

Concen: 7.44 ug/l

RT: 1.93 min Scan# 220

Delta R.T. 0.00 min

Lab File: VX001815.D

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ClientSampleId :

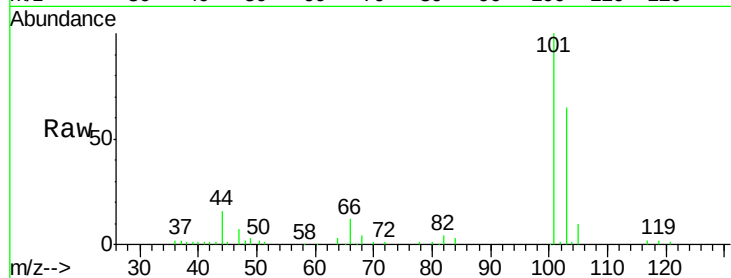
LOQ-NPW-Precision-Bias-4

Tot Ion:101 Resp: 24371

Ion Ratio Lower Upper

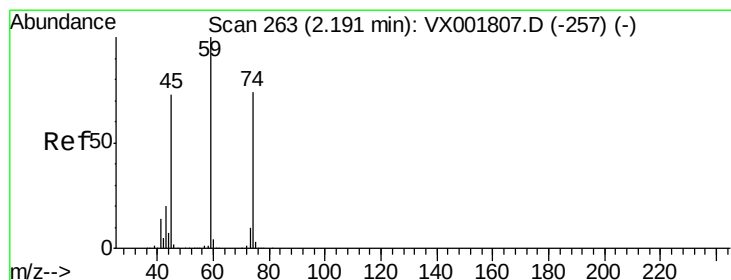
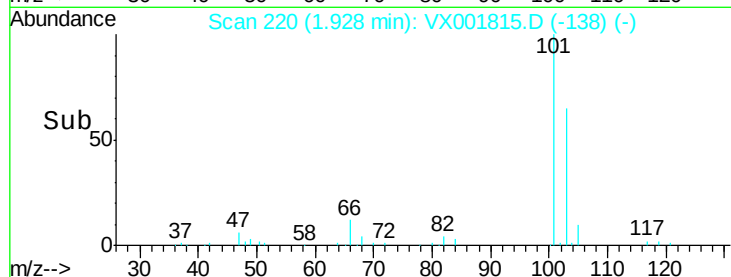
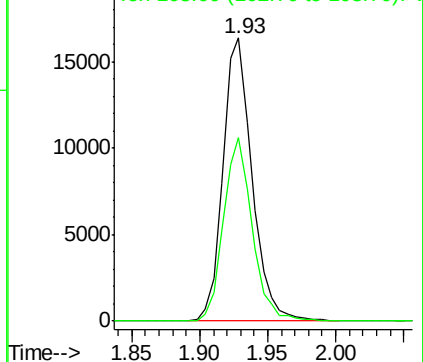
101 100

103 64.9 52.9 79.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 4.61 ug/l

RT: 2.19 min Scan# 263

Delta R.T. 0.00 min

Lab File: VX001815.D

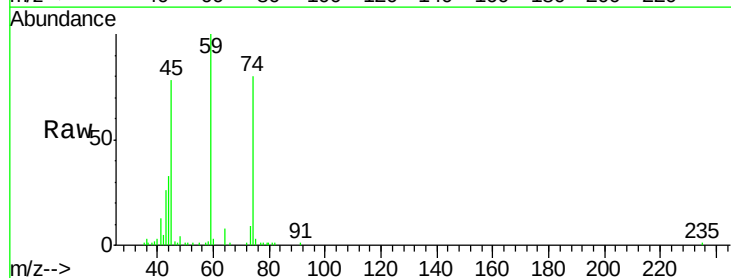
Acq: 18 May 2018 08:40

Tgt Ion: 74 Resp: 10608

Ion Ratio Lower Upper

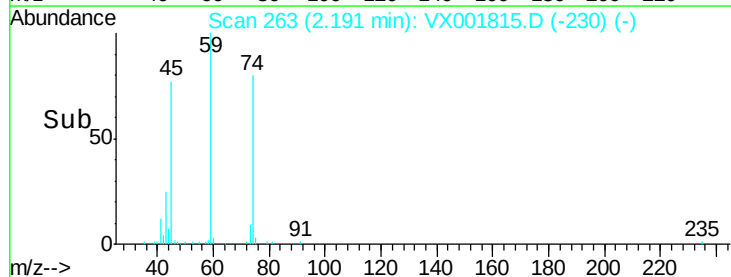
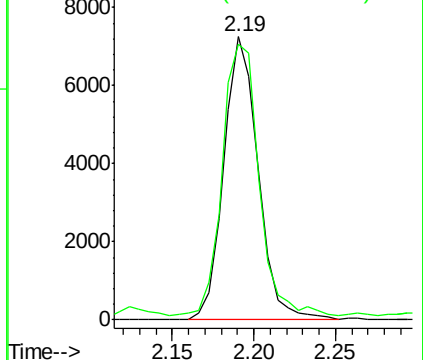
74 100

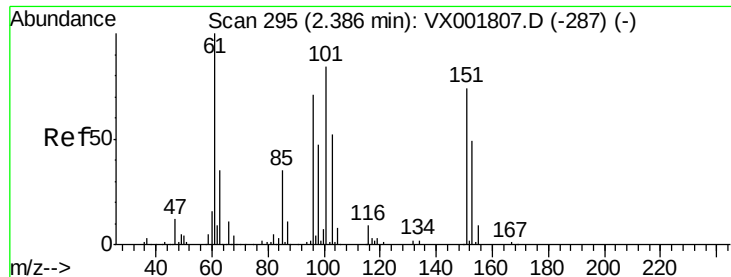
45 101.4 19.8 178.0



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 7.40 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.01 min

Lab File: VX001815.D

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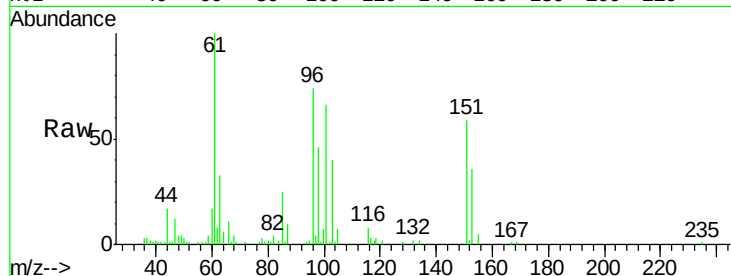
Tot Ion:101 Resp: 13699

Ion Ratio Lower Upper

101 100

85 40.5 0.0 83.0

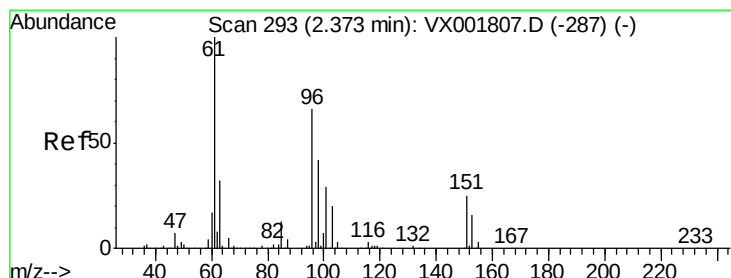
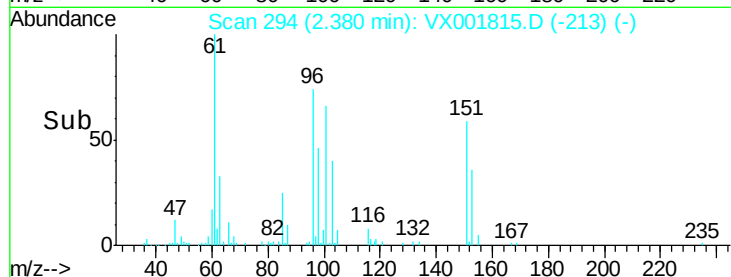
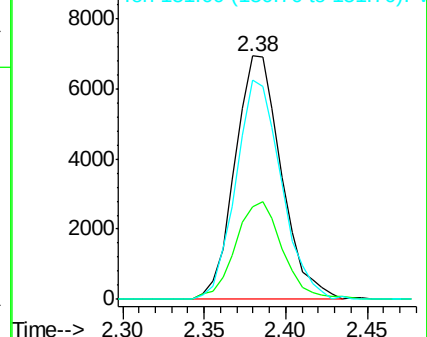
151 88.2 0.0 182.8



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: 6.42 ug/l

RT: 2.37 min Scan# 293

Delta R.T. 0.00 min

Lab File: VX001815.D

Acq: 18 May 2018 08:40

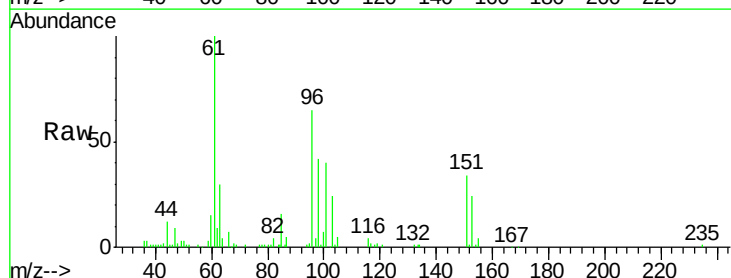
Tgt Ion: 96 Resp: 14572

Ion Ratio Lower Upper

96 100

61 153.6 120.9 181.3

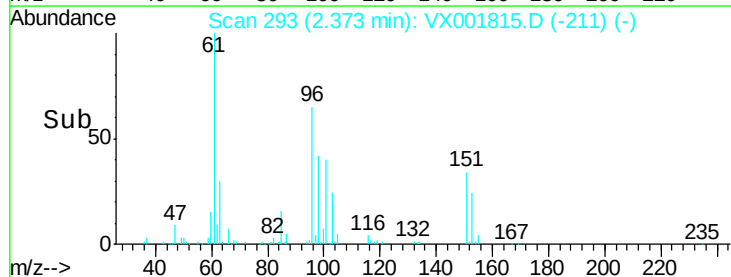
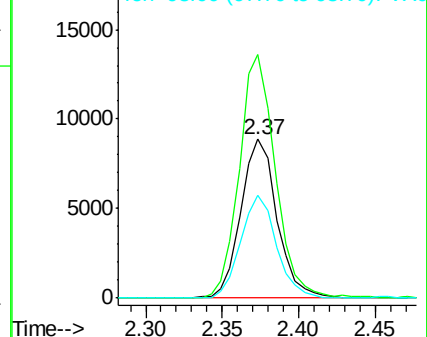
98 64.6 50.2 75.4

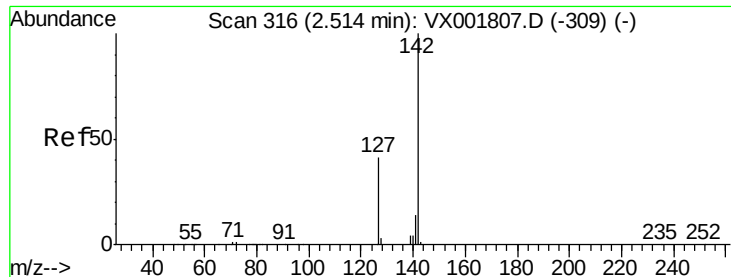


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

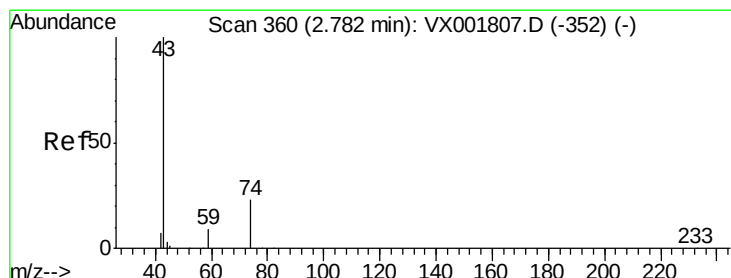
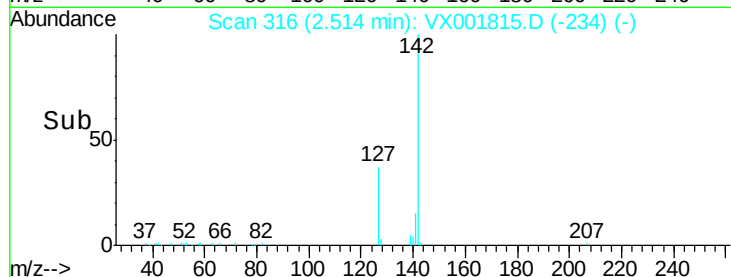
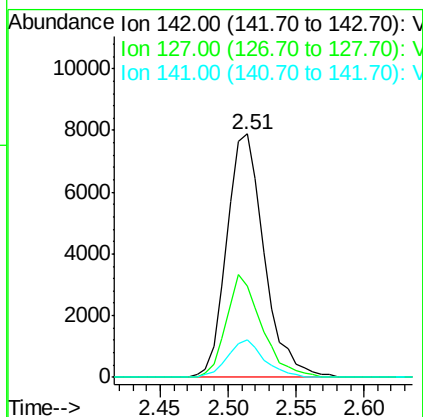
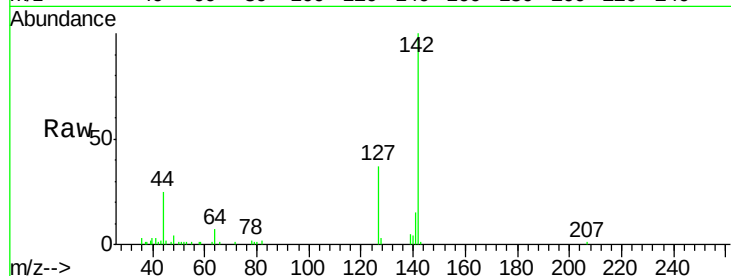




#11
Methvl Iodide
Concen: 4.22 ug/l
RT: 2.51 min Scan# 316
Delta R.T. 0.00 min
Lab File: VX001815.D
Acq: 18 May 2018 08:40

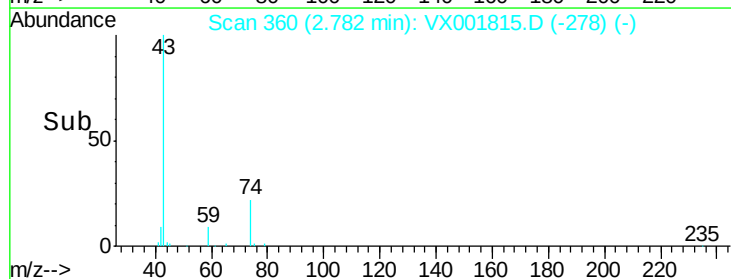
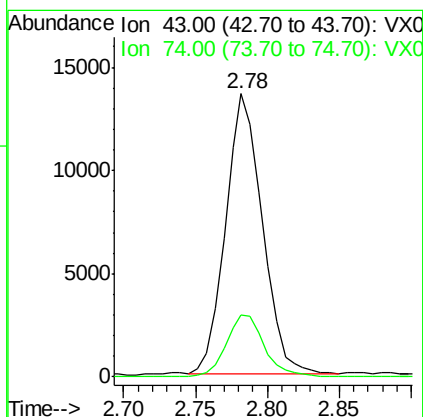
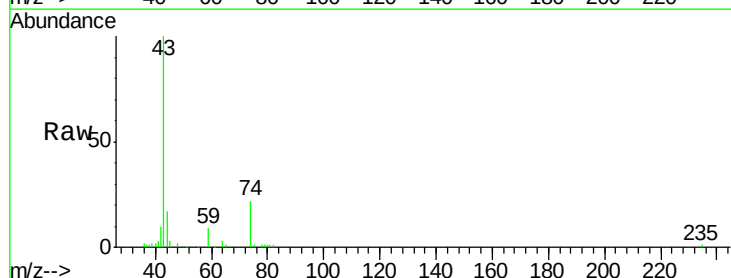
Instrument :
MSVOA_X
ClientSampleId :
LOQ-NPW-Precision-Bias-4

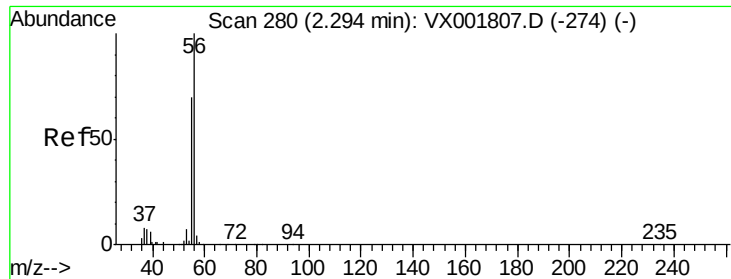
Tot Ion:142 Resp: 15140
Ion Ratio Lower Upper
142 100
127 37.4 20.3 61.0
141 15.4 7.0 21.1



#12
Methyl Acetate
Concen: 4.39 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX001815.D
Acq: 18 May 2018 08:40

Tgt Ion: 43 Resp: 24222
Ion Ratio Lower Upper
43 100
74 22.0 18.2 27.4





#13

Acrolein

Concen: 25.55 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX001815.D

Acq: 18 May 2018 08:40

Instrument :

MSVOA_X

ClientSampleId :

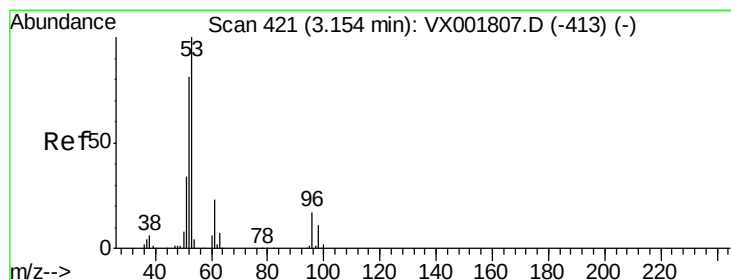
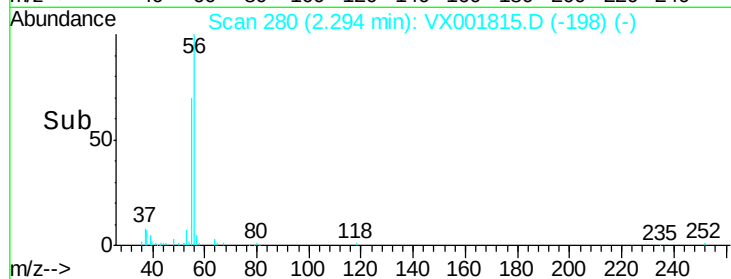
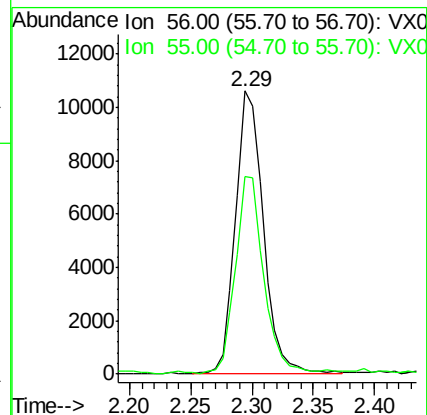
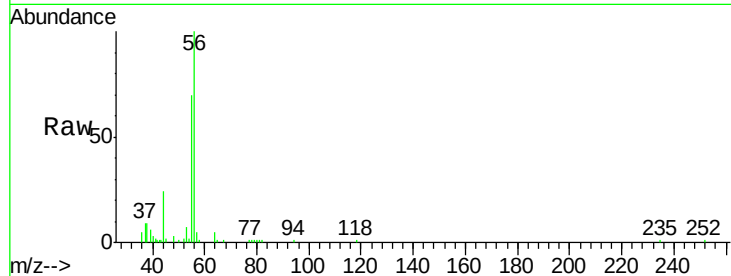
LOQ-NPW-Precision-Bias-4

Tot Ion: 56 Resp: 16809

Ion Ratio Lower Upper

56 100

55 71.1 56.0 84.0



#14

Acrylonitrile

Concen: 23.17 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX001815.D

Acq: 18 May 2018 08:40

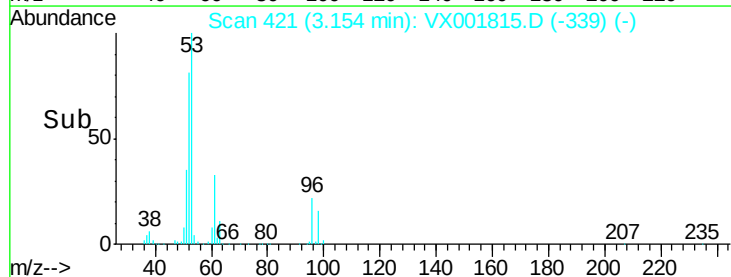
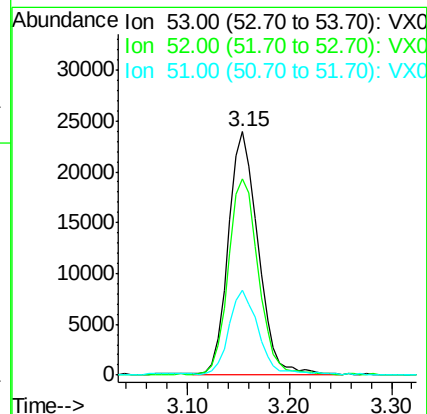
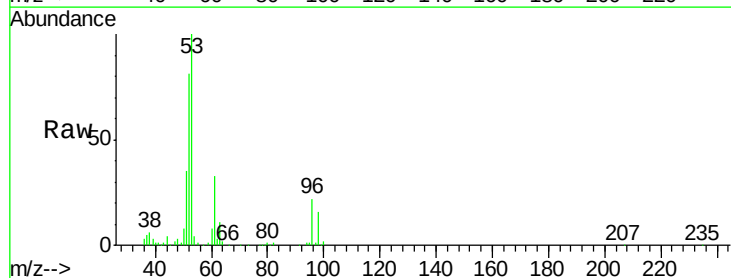
Tgt Ion: 53 Resp: 48628

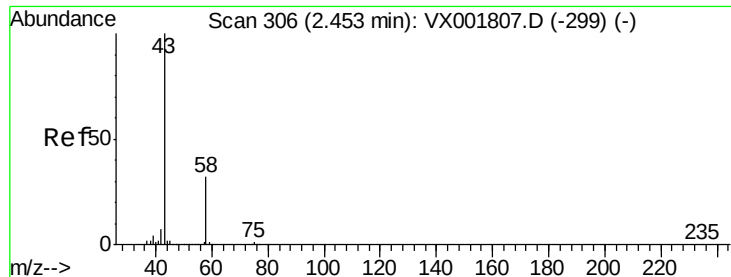
Ion Ratio Lower Upper

53 100

52 81.4 40.7 122.1

51 33.7 17.4 52.3





#15

Acetone

Concen: 23.31 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX001815.D

Acq: 18 May 2018 08:40

Instrument :

MSVOA_X

ClientSampleId :

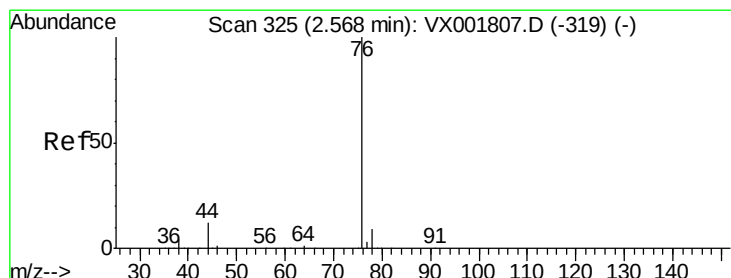
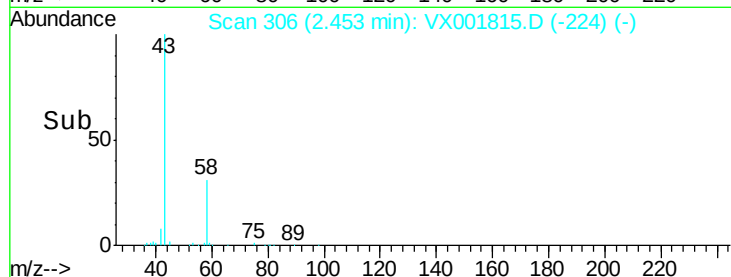
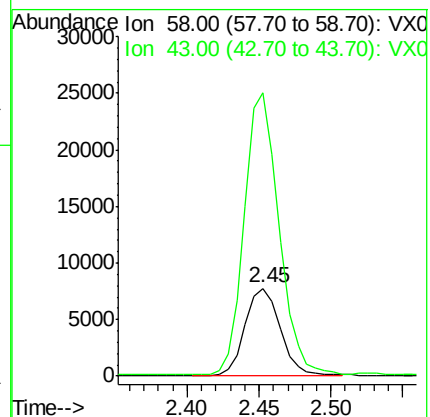
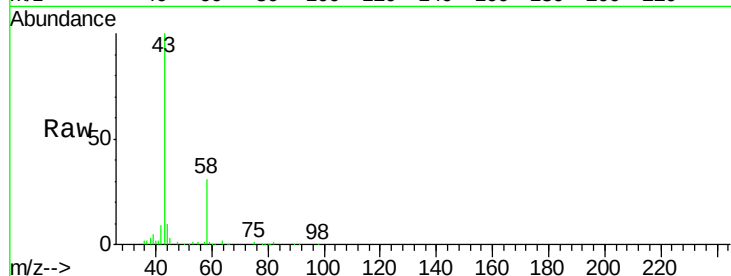
LOQ-NPW-Precision-Bias-4

Tot Ion: 58 Resp: 13358

Ion Ratio Lower Upper

58 100

43 319.5 252.1 378.1



#16

Carbon Disulfide

Concen: 5.74 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX001815.D

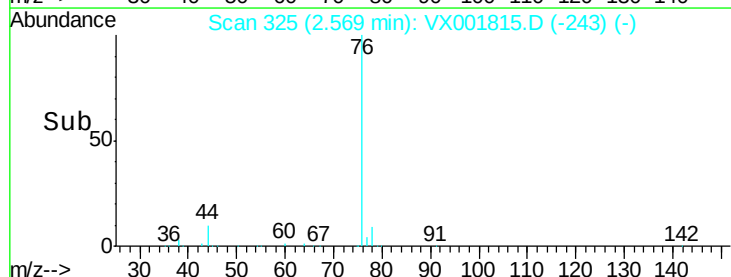
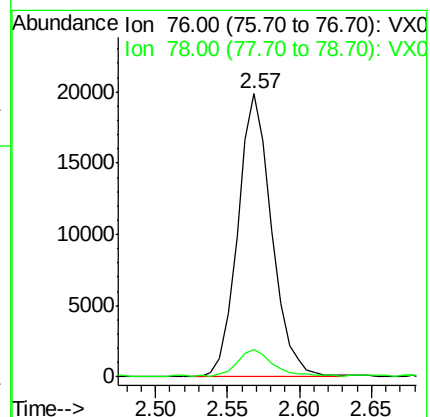
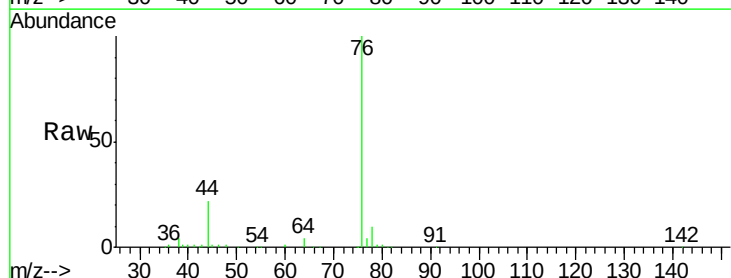
Acq: 18 May 2018 08:40

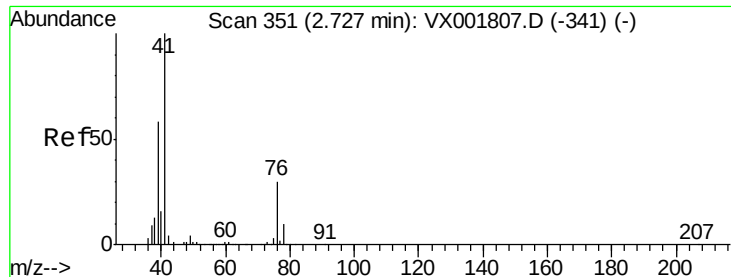
Tgt Ion: 76 Resp: 32593

Ion Ratio Lower Upper

76 100

78 9.3 7.5 11.3

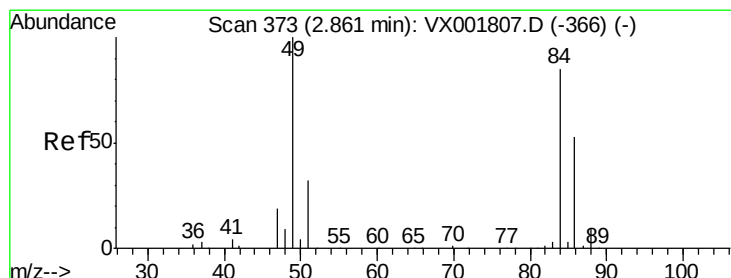
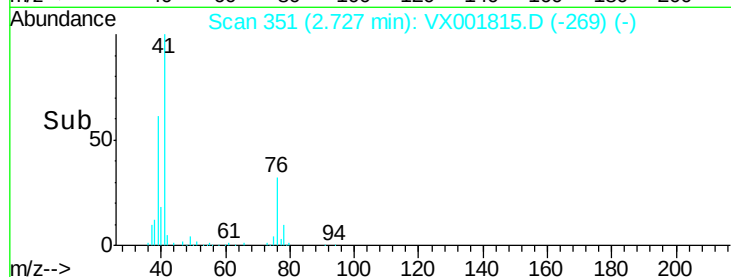
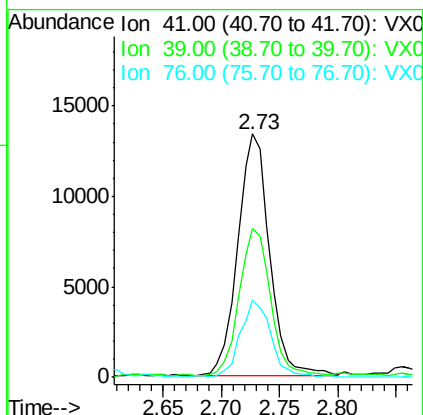
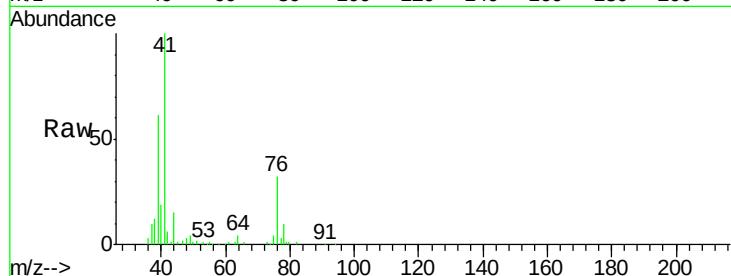




#17
Allvl chloride
Concen: 5.00 ug/l
RT: 2.73 min Scan# 351
Delta R.T. 0.00 min
Lab File: VX001815.D
Acq: 18 May 2018 08:40

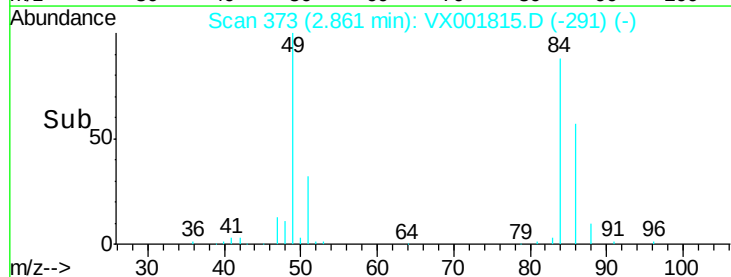
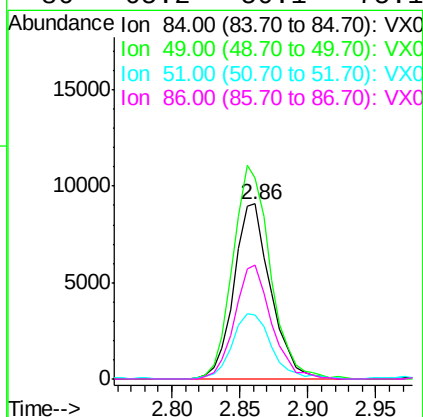
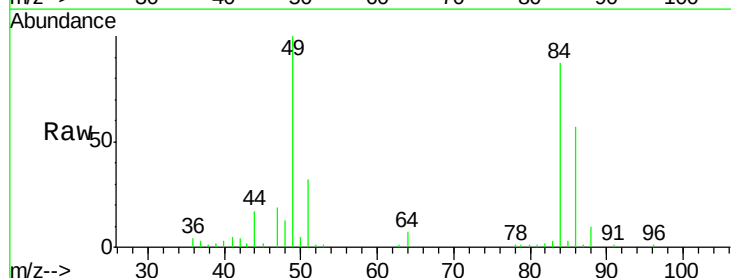
Instrument :
MSVOA_X
ClientSampleId :
LOQ-NPW-Precision-Bias-4

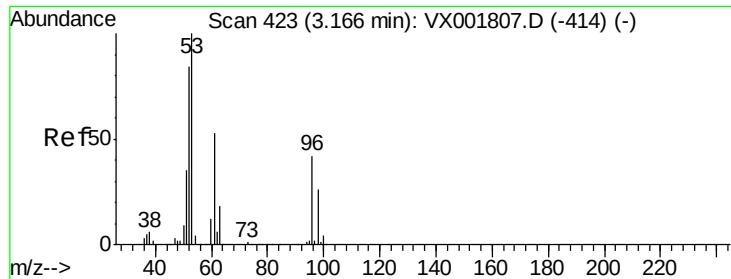
Tot Ion: 41 Resp: 25358
Ion Ratio Lower Upper
41 100
39 60.6 29.1 87.3
76 32.1 15.2 45.5



#18
Methylene Chloride
Concen: 4.93 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX001815.D
Acq: 18 May 2018 08:40

Tgt Ion: 84 Resp: 17221
Ion Ratio Lower Upper
84 100
49 114.6 94.1 141.1
51 36.6 29.8 44.6
86 65.2 50.1 75.1





#19

trans-1,2-Dichloroethene

Concen: 5.49 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.01 min

Lab File: VX001815.D

Acq: 18 May 2018 08:40

Instrument :

MSVOA_X

ClientSampleId :

LOQ-NPW-Precision-Bias-4

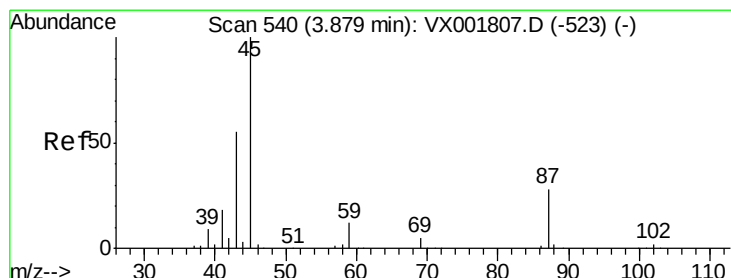
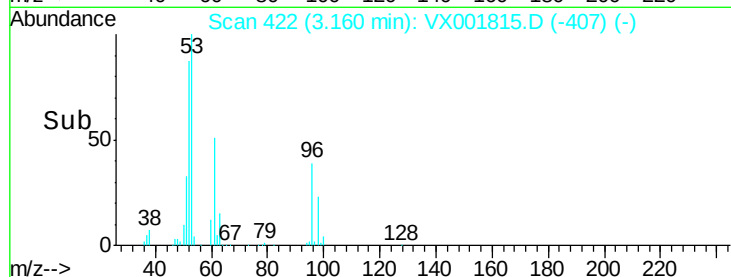
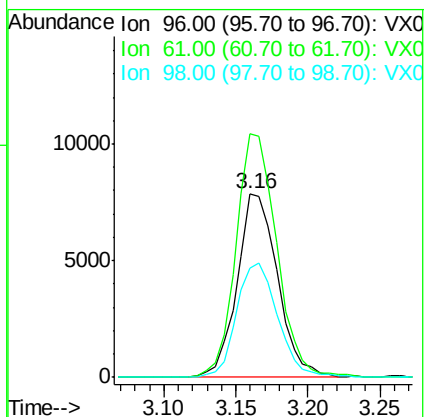
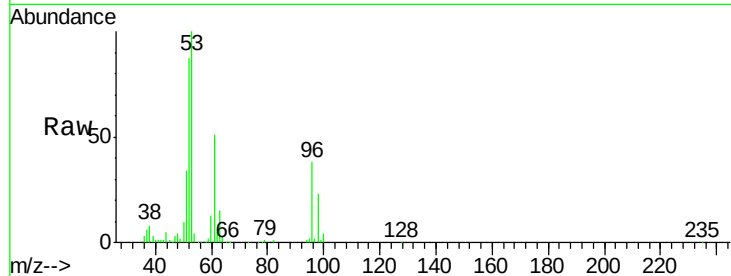
Tot Ion: 96 Resp: 15365

Ion Ratio Lower Upper

96 100

61 132.3 102.9 154.3

98 59.7 49.7 74.5



#20

Diisopropyl ether

Concen: 4.72 ug/l

RT: 3.88 min Scan# 540

Delta R.T. 0.00 min

Lab File: VX001815.D

Acq: 18 May 2018 08:40

Tgt Ion: 45 Resp: 52135

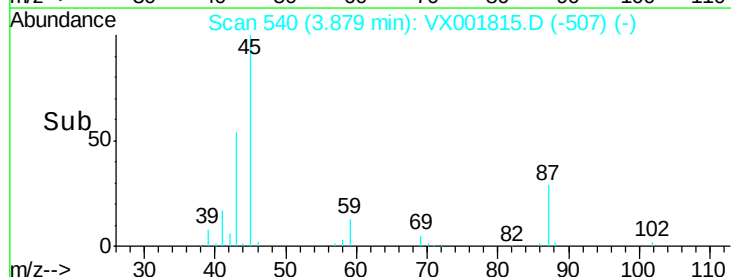
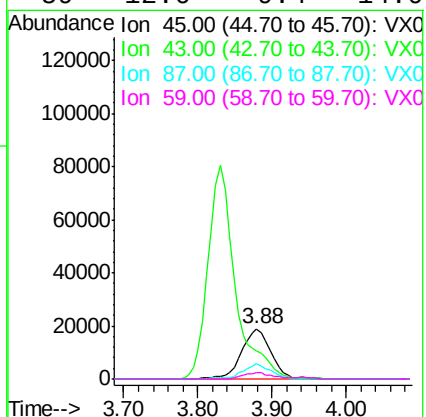
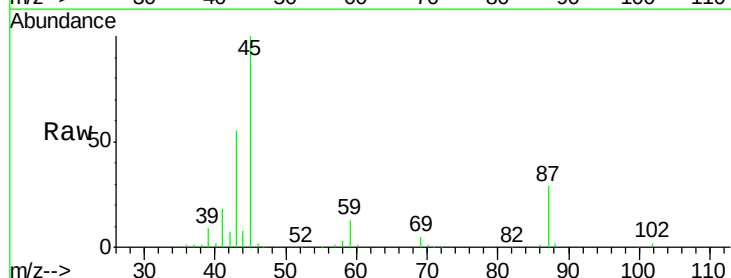
Ion Ratio Lower Upper

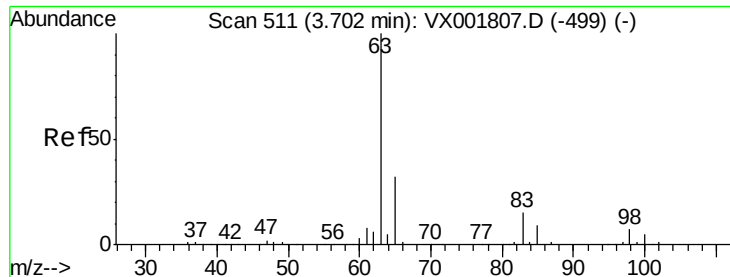
45 100

43 54.9 44.2 66.2

87 29.5 22.4 33.6

59 12.6 9.4 14.0





#21

1,1-Dichloroethane

Concen: 5.16 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.01 min

Lab File: VX001815.D

Acq: 18 May 2018 08:40

Instrument :

MSVOA_X

ClientSampleId :

LOQ-NPW-Precision-Bias-4

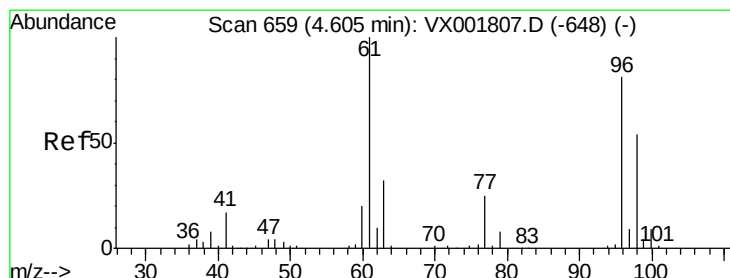
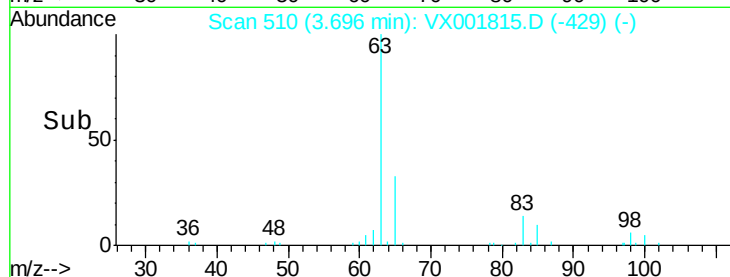
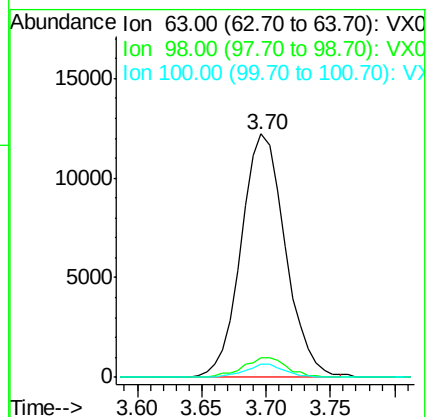
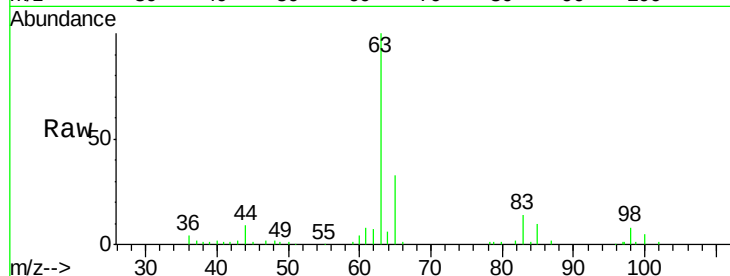
Tot Ion: 63 Resp: 29143

Ion Ratio Lower Upper

63 100

98 8.7 3.7 11.1

100 5.4 2.5 7.6



#22

cis-1,2-Dichloroethene

Concen: 5.01 ug/l

RT: 4.60 min Scan# 658

Delta R.T. -0.01 min

Lab File: VX001815.D

Acq: 18 May 2018 08:40

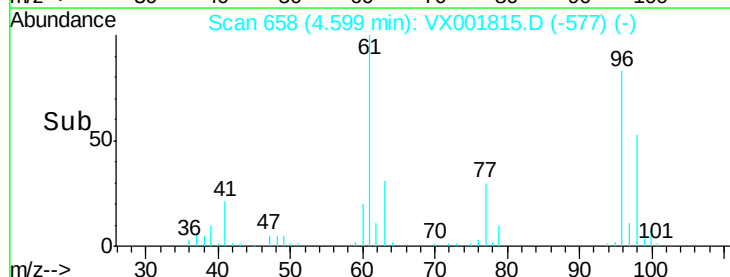
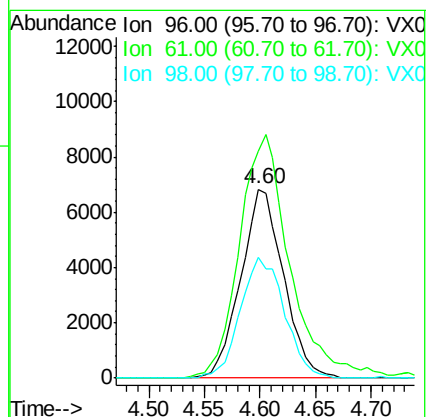
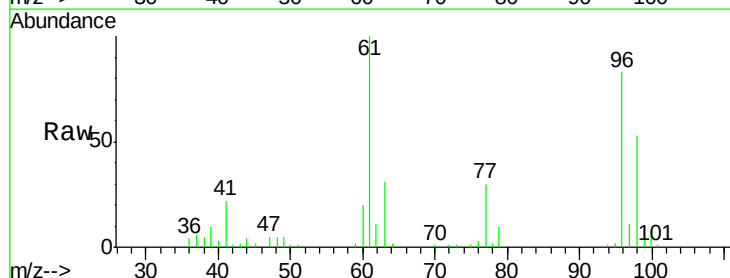
Tgt Ion: 96 Resp: 18199

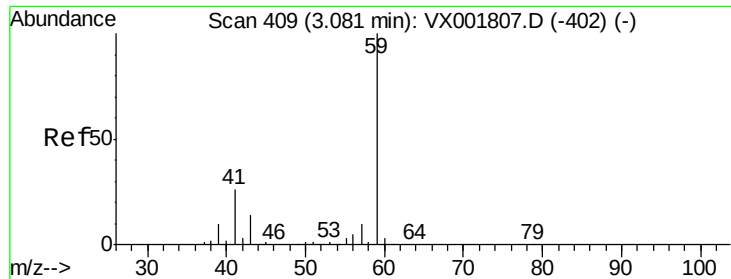
Ion Ratio Lower Upper

96 100

61 148.2 105.9 158.9

98 66.3 51.5 77.3





#23

tert-Butyl Alcohol

Concen: 23.84 ug/l

RT: 3.09 min Scan# 410

Delta R.T. 0.01 min

Lab File: VX001815.D

Acq: 18 May 2018 08:40

Instrument :

MSVOA_X

ClientSampleId :

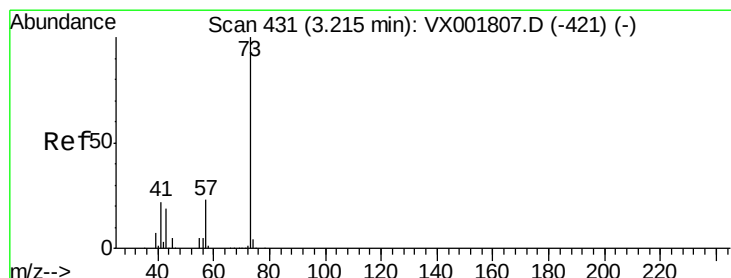
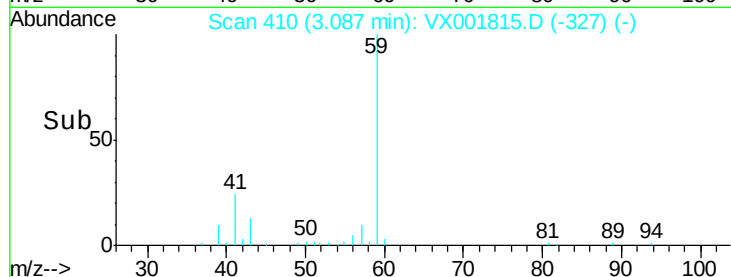
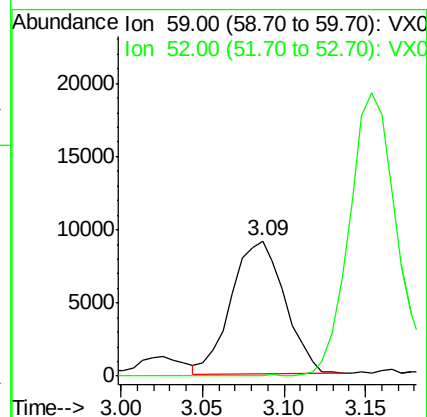
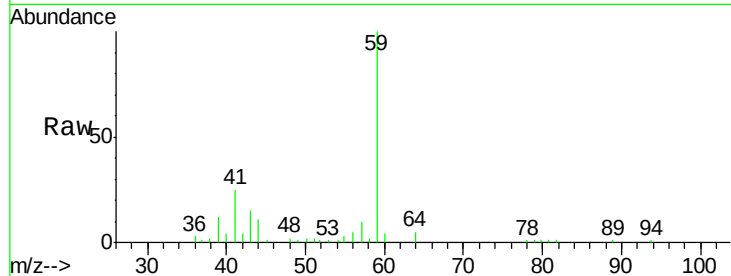
LOQ-NPW-Precision-Bias-4

Tot Ion: 59 Resp: 20801

Ion Ratio Lower Upper

59 100

52 0.5 0.1 0.1#



#24

Methyl tert-Butyl Ether

Concen: 4.53 ug/l

RT: 3.21 min Scan# 431

Delta R.T. 0.00 min

Lab File: VX001815.D

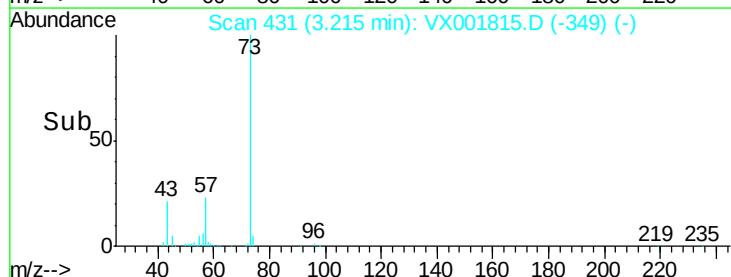
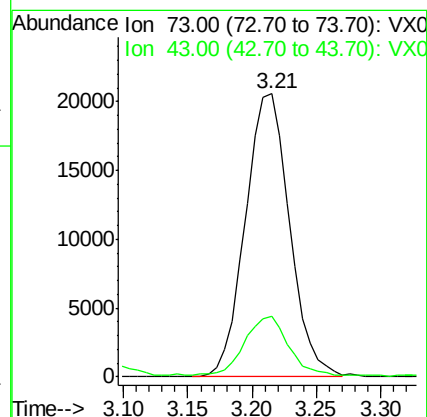
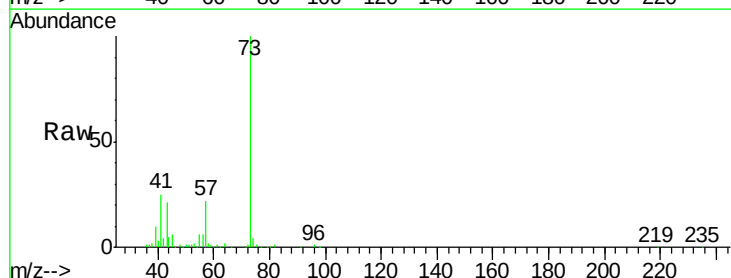
Acq: 18 May 2018 08:40

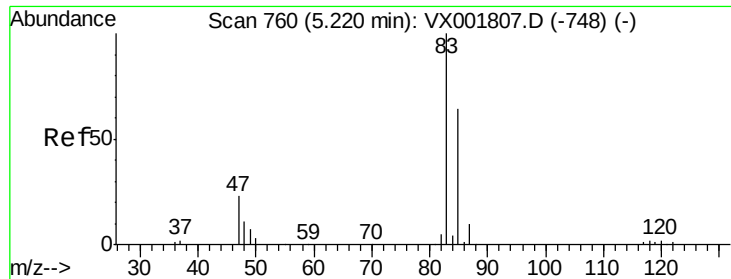
Tgt Ion: 73 Resp: 48939

Ion Ratio Lower Upper

73 100

43 19.9 15.2 22.8

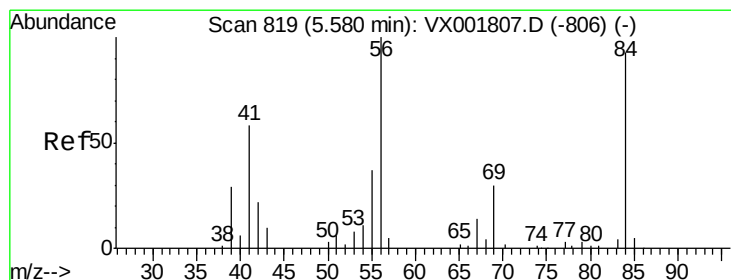
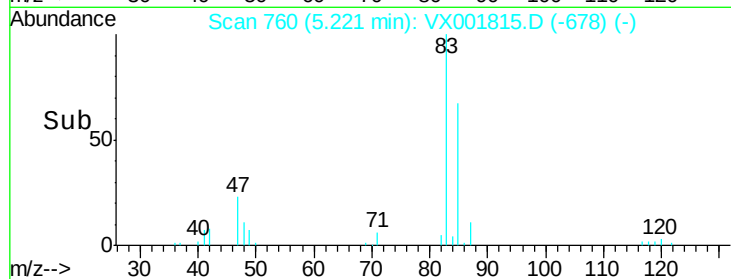
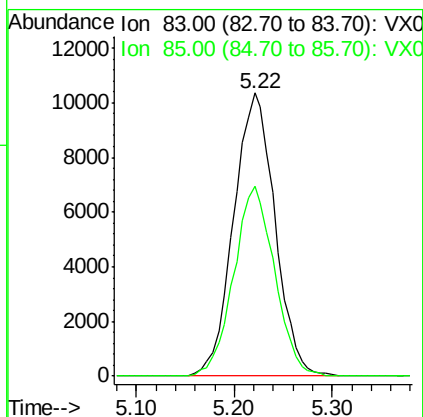
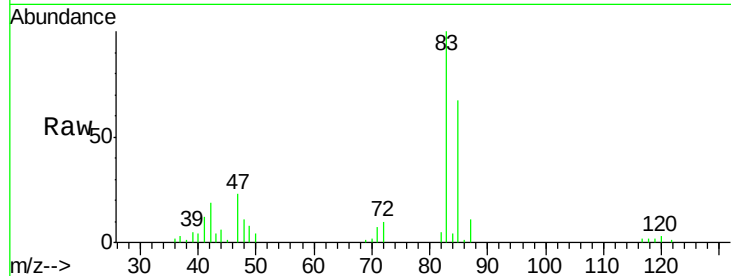




#25
Chloroform
Concen: 5.03 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX001815.D
Acq: 18 May 2018 08:40

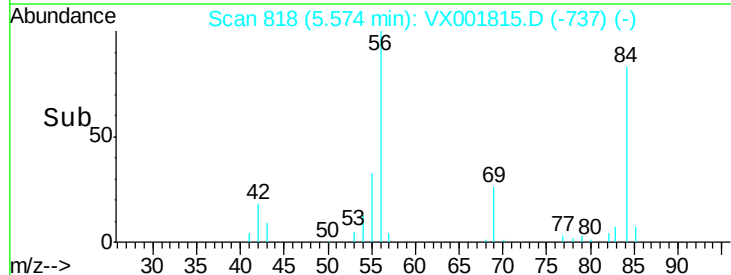
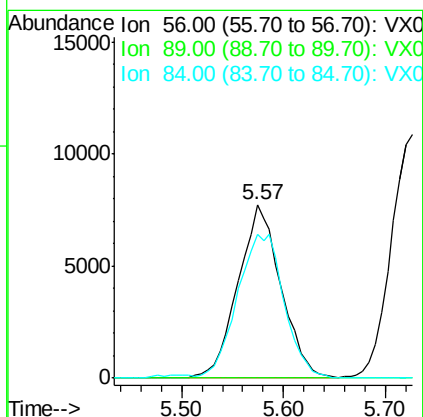
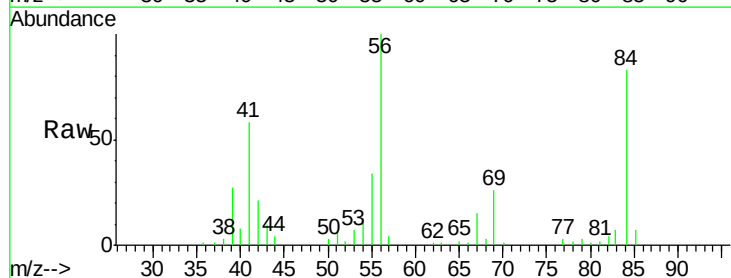
Instrument :
MSVOA_X
ClientSampleId :
LOQ-NPW-Precision-Bias-4

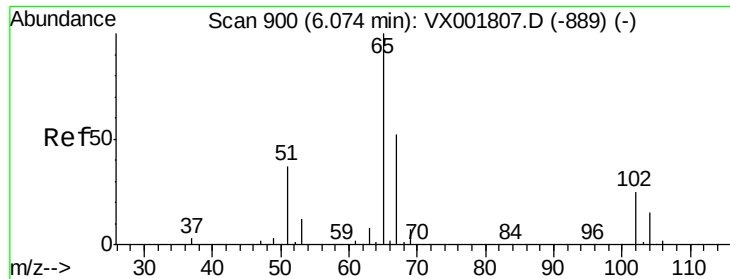
Tot Ion: 83 Resp: 30314
Ion Ratio Lower Upper
83 100
85 66.9 51.6 77.4



#26
Cyclohexane
Concen: 7.34 ug/l
RT: 5.57 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX001815.D
Acq: 18 May 2018 08:40

Tgt Ion: 56 Resp: 22585
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 90.5 73.8 110.8

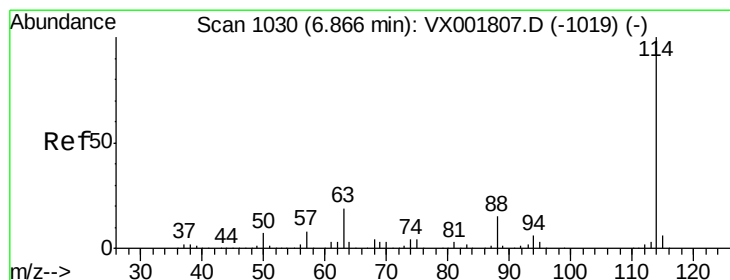
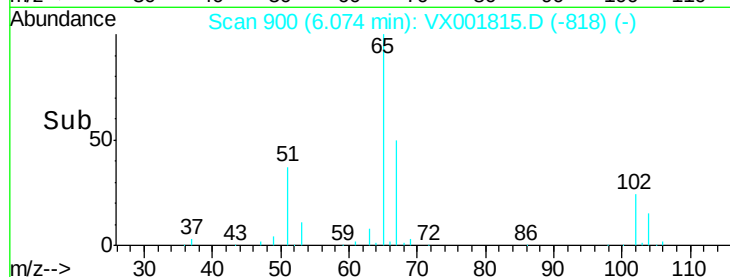
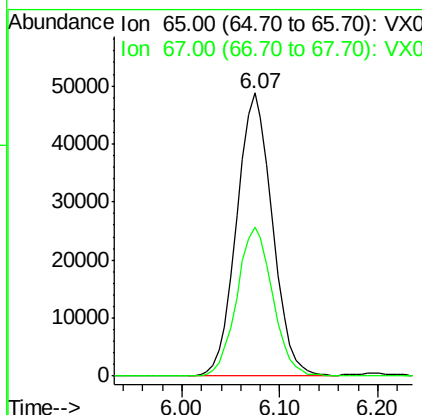
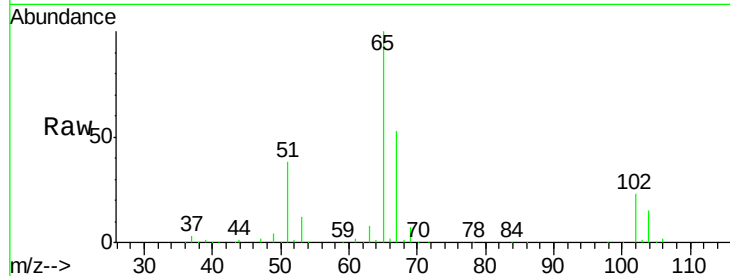




#27
 1,2-Dichloroethane-d4
 Concen: 29.77 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX001815.D
 Acq: 18 May 2018 08:40

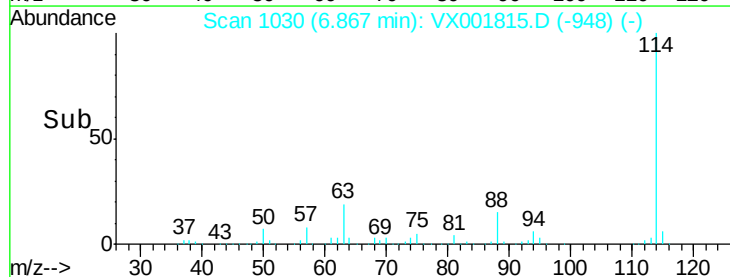
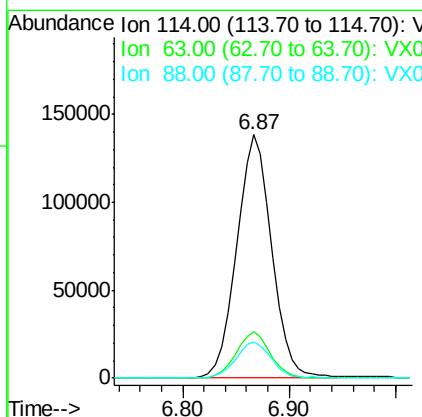
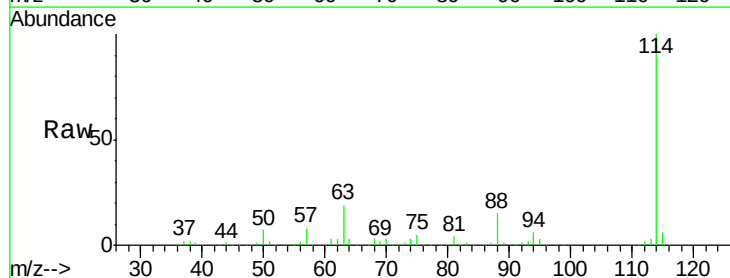
Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-NPW-Precision-Bias-4

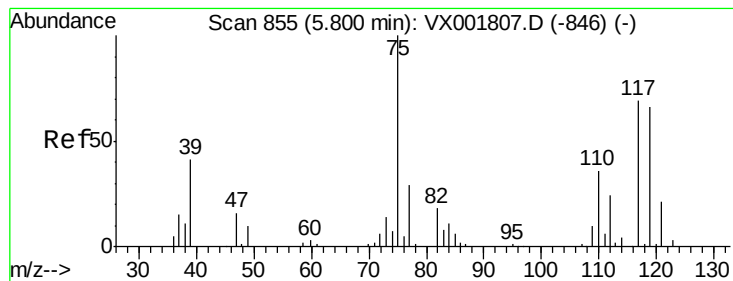
Tot Ion: 65 Resp: 123744
 Ion Ratio Lower Upper
 65 100
 67 52.5 42.1 63.1



#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX001815.D
 Acq: 18 May 2018 08:40

Tgt Ion: 114 Resp: 319853
 Ion Ratio Lower Upper
 114 100
 63 18.6 14.9 22.3
 88 14.7 11.8 17.8





#29

1,1-Dichloropropene

Concen: 5.50 ug/l

RT: 5.80 min Scan# 855

Delta R.T. 0.00 min

Lab File: VX001815.D

Acq: 18 May 2018 08:40

Instrument :

MSVOA_X

ClientSampleId :

LOQ-NPW-Precision-Bias-4

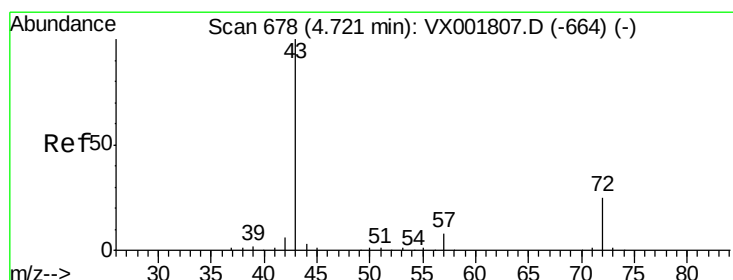
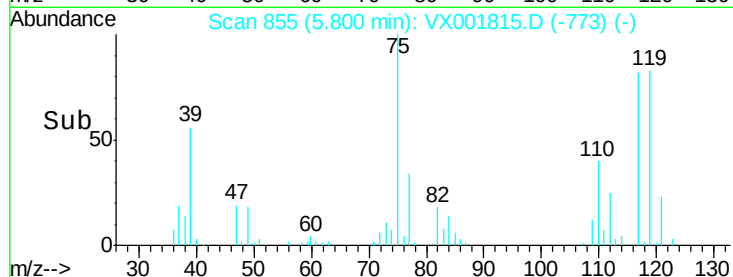
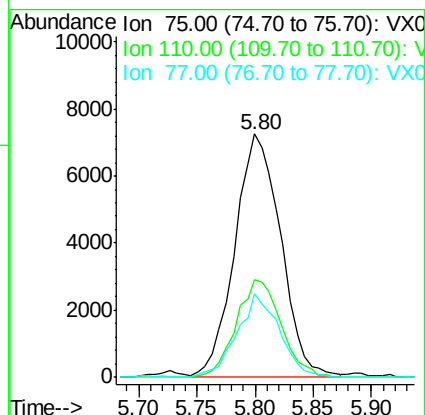
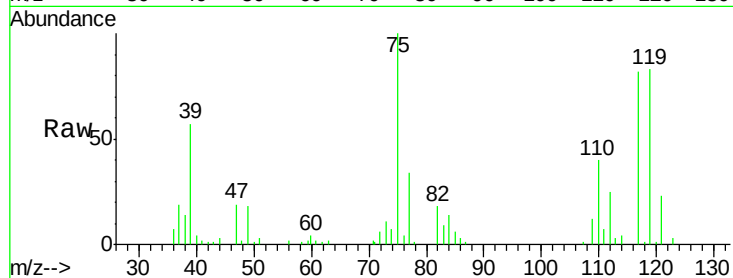
Tot Ion: 75 Resp: 19943

Ion Ratio Lower Upper

75 100

110 39.1 0.0 75.2

77 31.7 0.0 61.6



#30

2-Butanone

Concen: 19.96 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.00 min

Lab File: VX001815.D

Acq: 18 May 2018 08:40

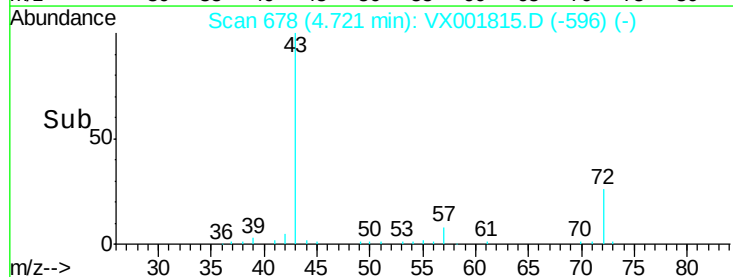
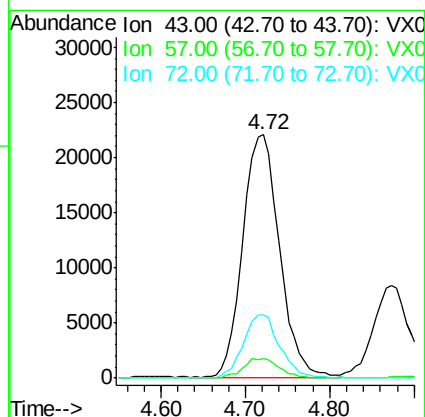
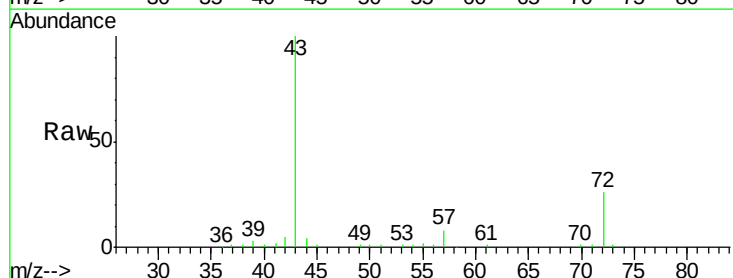
Tgt Ion: 43 Resp: 65313

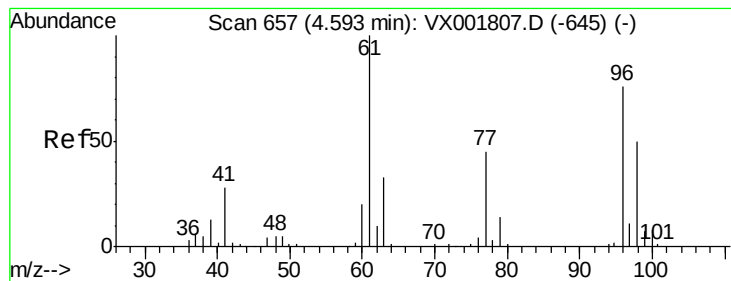
Ion Ratio Lower Upper

43 100

57 8.0 6.4 9.6

72 25.6 20.6 30.8





#31

2,2-Dichloropropane

Concen: 4.25 ug/l

RT: 4.59 min Scan# 657

Delta R.T. 0.00 min

Lab File: VX001815.D

Acq: 18 May 2018 08:40

Instrument :

MSVOA_X

ClientSampleId :

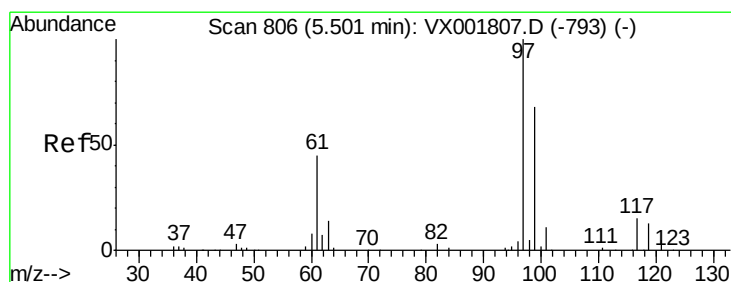
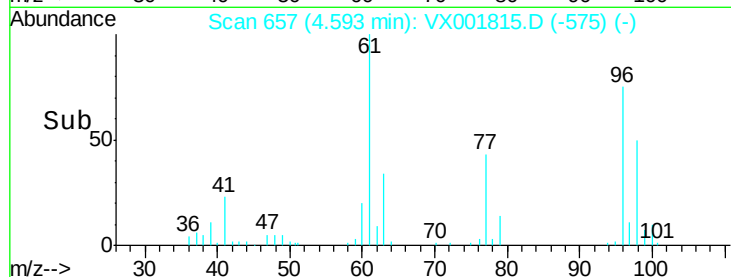
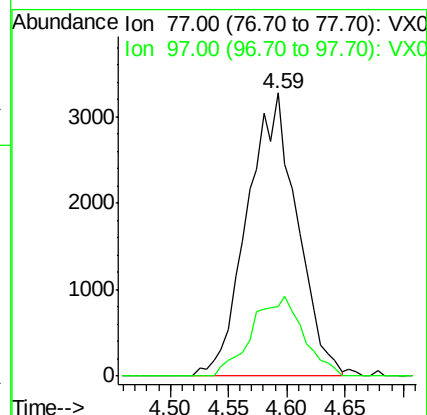
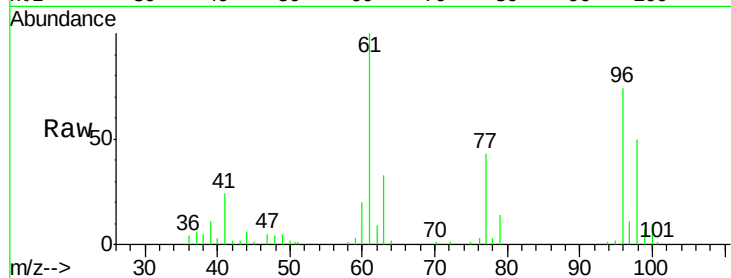
LOQ-NPW-Precision-Bias-4

Tot Ion: 77 Resp: 9739

Ion Ratio Lower Upper

77 100

97 15.5 22.3 33.5#



#32

1,1,1-Trichloroethane

Concen: 5.19 ug/l

RT: 5.49 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX001815.D

Acq: 18 May 2018 08:40

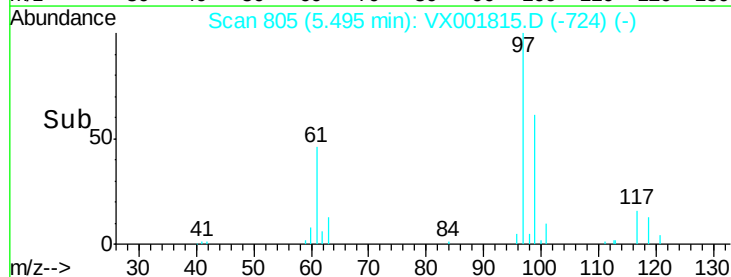
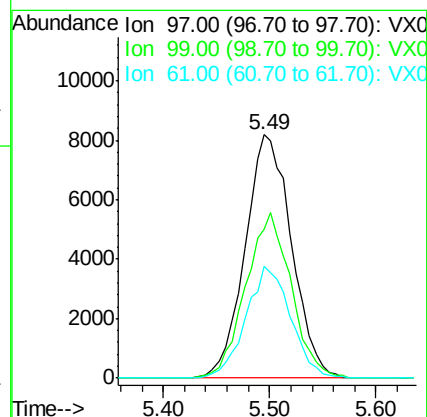
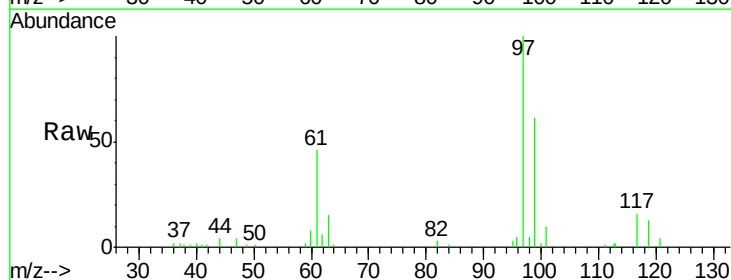
Tgt Ion: 97 Resp: 24961

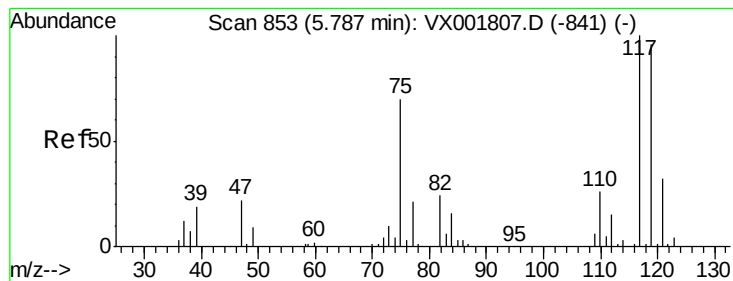
Ion Ratio Lower Upper

97 100

99 66.4 52.4 78.6

61 44.3 34.6 51.8





#33

Carbon Tetrachloride

Concen: 5.66 ug/l

RT: 5.79 min Scan# 853

Delta R.T. 0.00 min

Lab File: VX001815.D

Acq: 18 May 2018 08:40

Instrument :

MSVOA_X

ClientSampleId :

LOQ-NPW-Precision-Bias-4

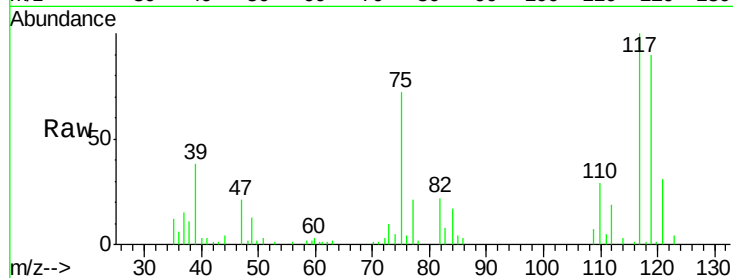
Tot Ion:117 Resp: 21745

Ion Ratio Lower Upper

117 100

119 90.0 76.4 114.6

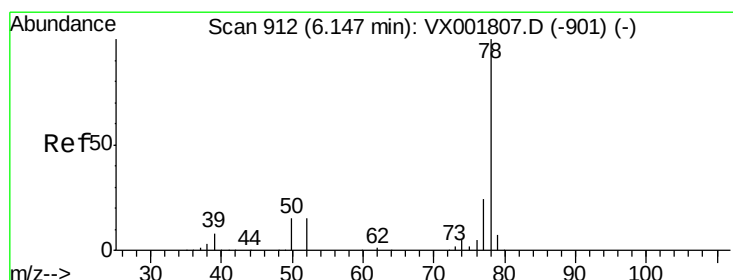
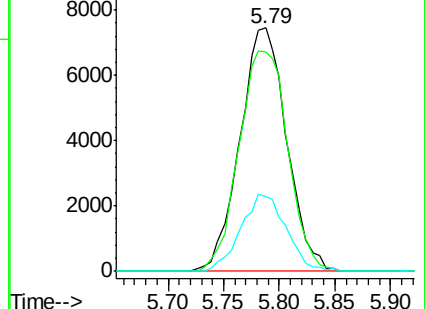
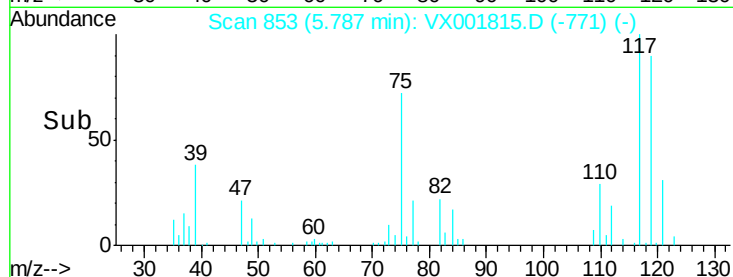
121 30.7 25.3 37.9



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34

Benzene

Concen: 4.67 ug/l

RT: 6.15 min Scan# 912

Delta R.T. 0.00 min

Lab File: VX001815.D

Acq: 18 May 2018 08:40

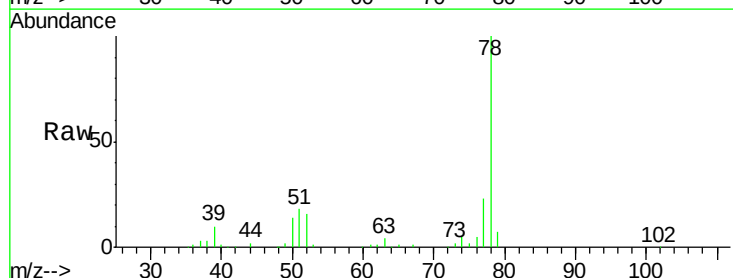
Tgt Ion: 78 Resp: 67624

Ion Ratio Lower Upper

78 100

77 22.5 19.4 29.0

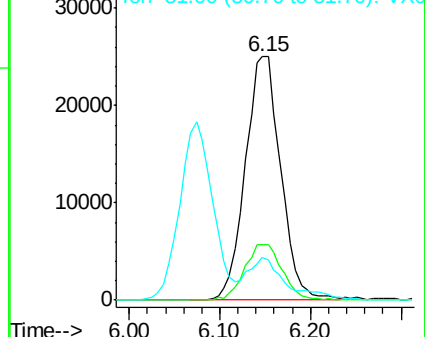
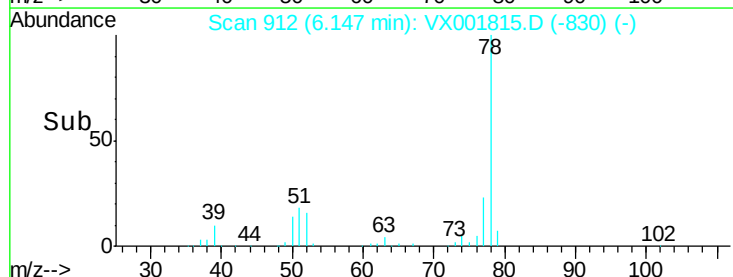
51 16.5 13.2 19.8

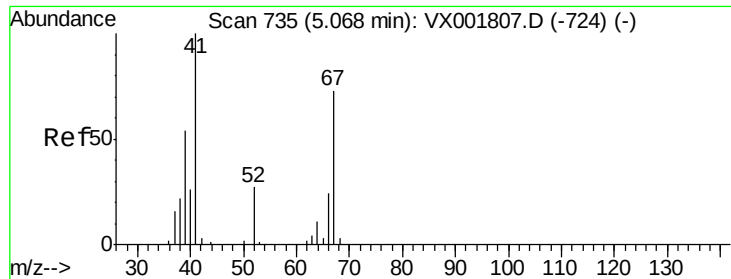


Abundance Ion 78.10 (77.80 to 78.80): VX0

Ion 77.00 (76.70 to 77.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

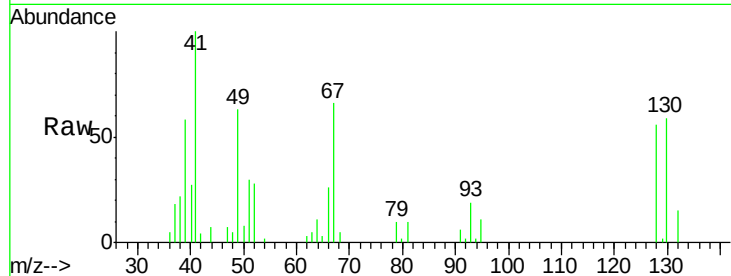




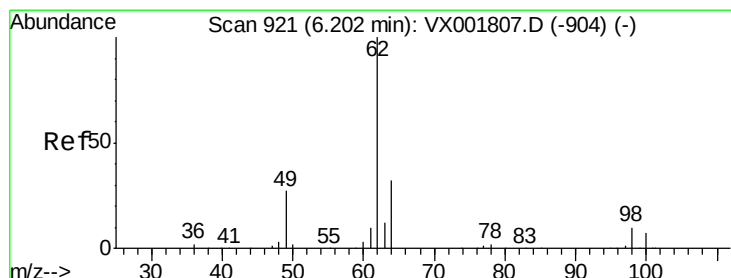
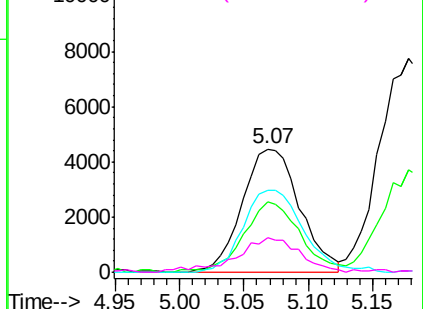
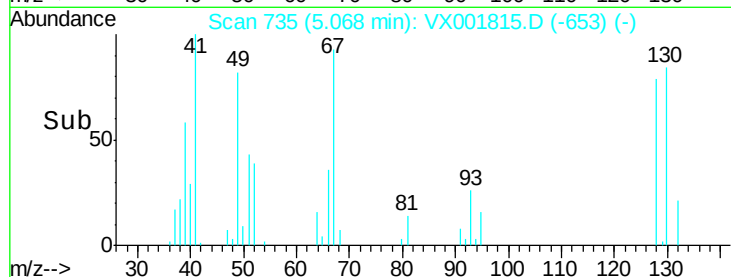
#35
Methacrylonitrile
Concen: 3.98 ug/l
RT: 5.07 min Scan# 735
Delta R.T. 0.00 min
Lab File: VX001815.D
Acq: 18 May 2018 08:40

Instrument :
MSVOA_X
ClientSampleId :
LOQ-NPW-Precision-Bias-4

Tot Ion:	41	Resp:	13861
Ion	Ratio	Lower	Upper
41	100		
39	55.5	26.9	80.6
67	66.3	36.8	110.3
52	26.0	13.7	41.1

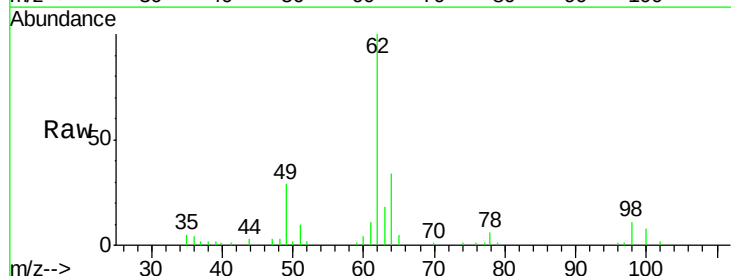


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

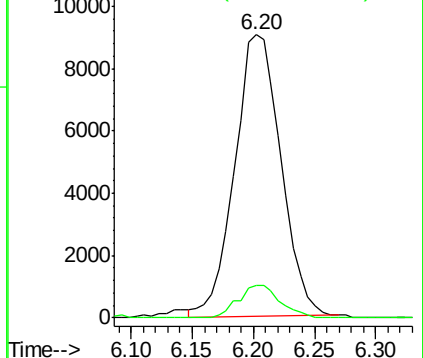
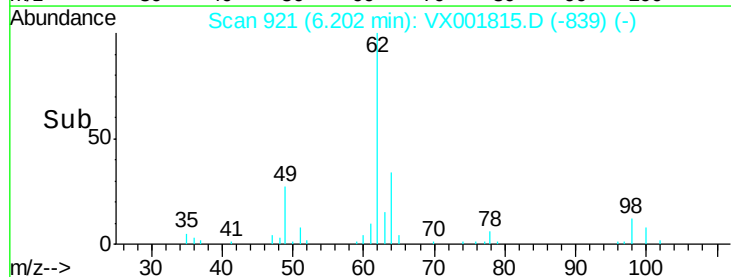


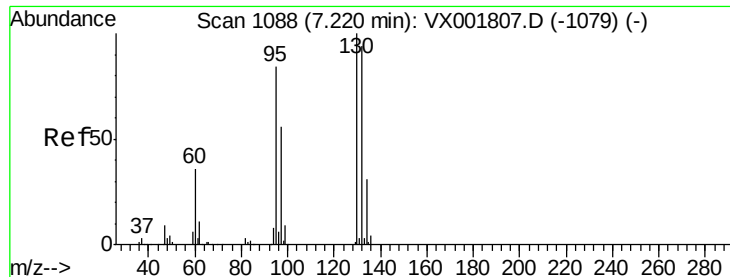
#36
1,2-Dichloroethane
Concen: 4.18 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.00 min
Lab File: VX001815.D
Acq: 18 May 2018 08:40

Tgt Ion:	62	Resp:	23699
Ion	Ratio	Lower	Upper
62	100		
98	10.6	8.6	12.8



Abundance Ion 62.00 (61.70 to 62.70): VX0
Ion 98.00 (97.70 to 98.70): VX0





#37

Trichloroethene

Concen: 4.89 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. 0.00 min

Lab File: VX001815.D

Acq: 18 May 2018 08:40

Instrument :

MSVOA_X

ClientSampleId :

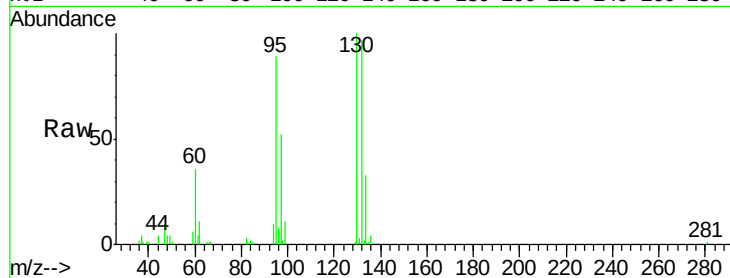
LOQ-NPW-Precision-Bias-4

Tot Ion:130 Resp: 19369

Ion Ratio Lower Upper

130 100

95 89.5 67.1 100.7



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VX0

7.22

10000

8000

6000

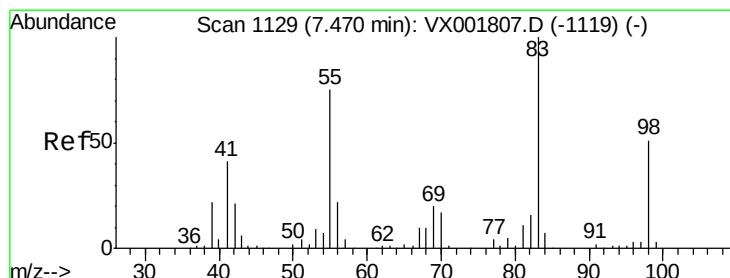
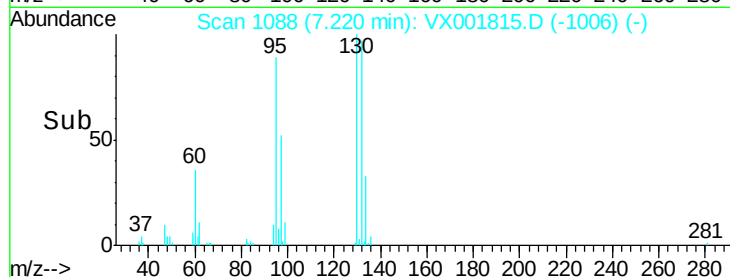
4000

2000

0

7.15 7.20 7.25 7.30

Time-->



#38

Methylcyclohexane

Concen: 6.08 ug/l

RT: 7.46 min Scan# 1128

Delta R.T. -0.01 min

Lab File: VX001815.D

Acq: 18 May 2018 08:40

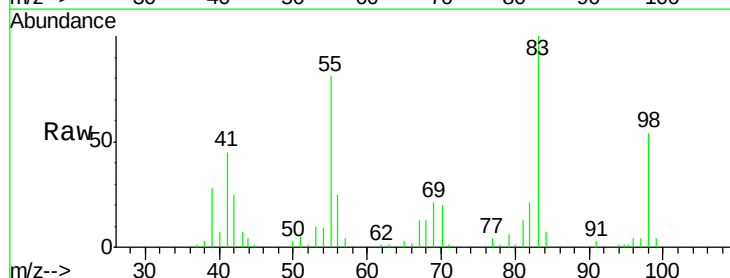
Tgt Ion: 83 Resp: 20325

Ion Ratio Lower Upper

83 100

55 78.4 40.0 119.9

98 51.5 25.8 77.4



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

12000

10000

8000

6000

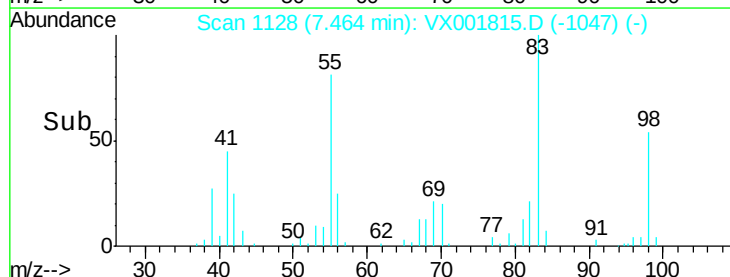
4000

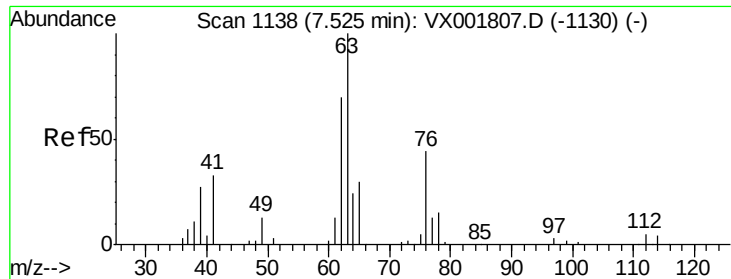
2000

0

7.40 7.45 7.50 7.55

Time-->





#39

1,2-Dichloropropane

Concen: 4.32 ug/l

RT: 7.52 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VX001815.D

Acq: 18 May 2018 08:40

Instrument :

MSVOA_X

ClientSampleId :

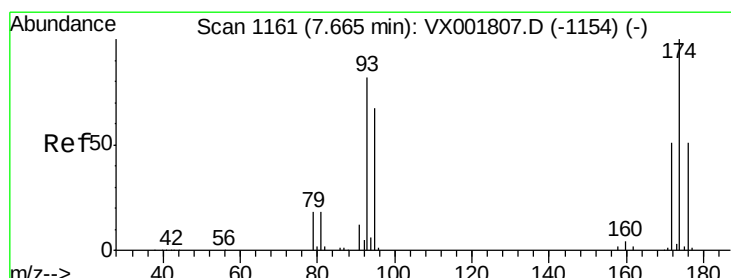
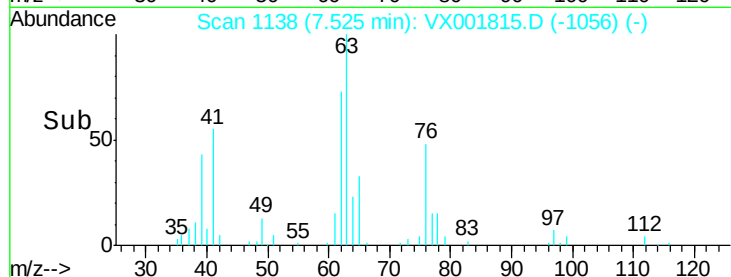
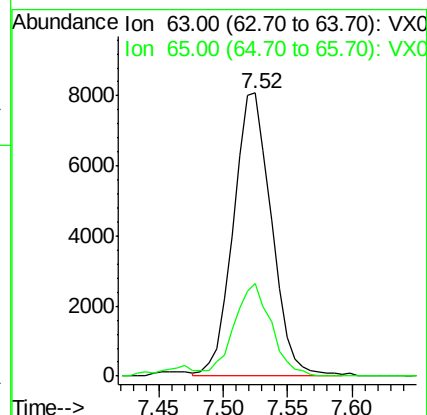
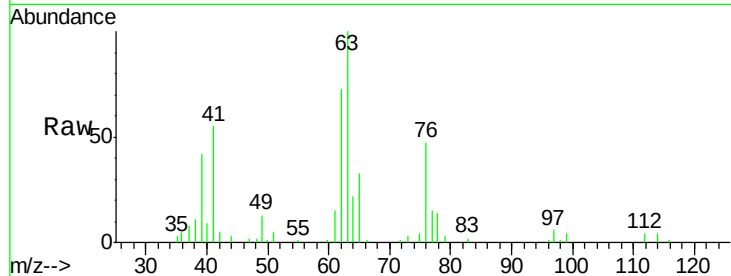
LOQ-NPW-Precision-Bias-4

Tot Ion: 63 Resp: 16695

Ion Ratio Lower Upper

63 100

65 32.8 25.0 37.4



#40

Dibromomethane

Concen: 4.08 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. 0.00 min

Lab File: VX001815.D

Acq: 18 May 2018 08:40

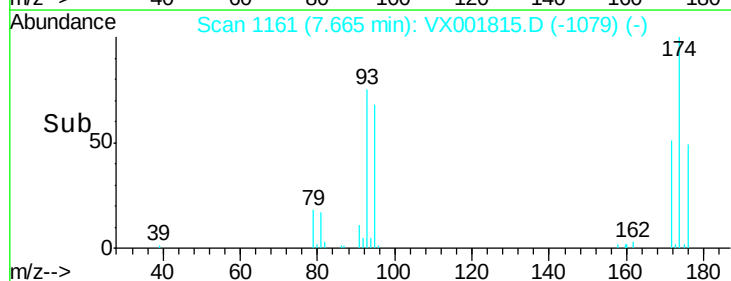
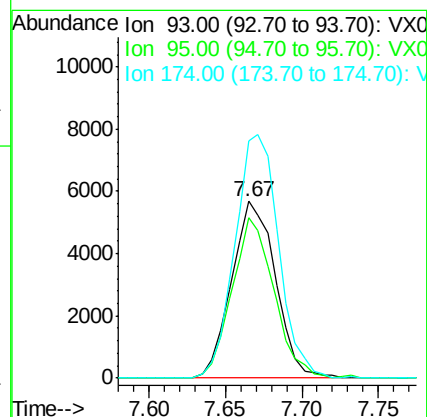
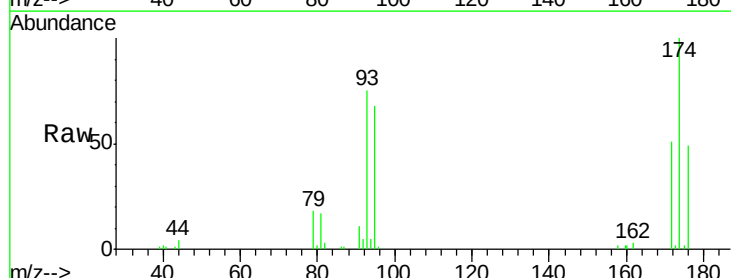
Tgt Ion: 93 Resp: 11307

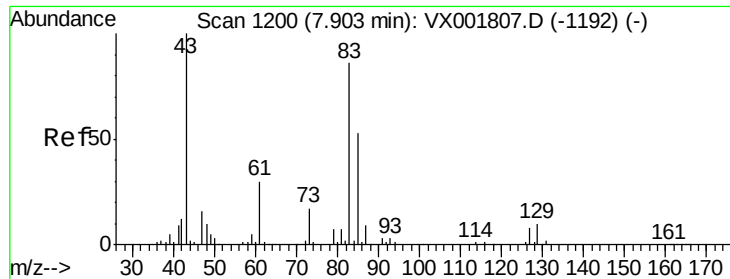
Ion Ratio Lower Upper

93 100

95 86.9 0.0 167.4

174 137.2 0.0 269.6





#41

Bromodichloromethane

Concen: 4.02 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX001815.D

Acq: 18 May 2018 08:40

Instrument :

MSVOA_X

ClientSampleId :

LOQ-NPW-Precision-Bias-4

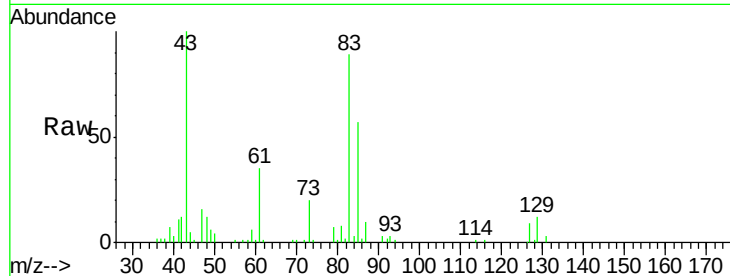
Tot Ion: 83 Resp: 19615

Ion Ratio Lower Upper

83 100

85 63.9 49.6 74.4

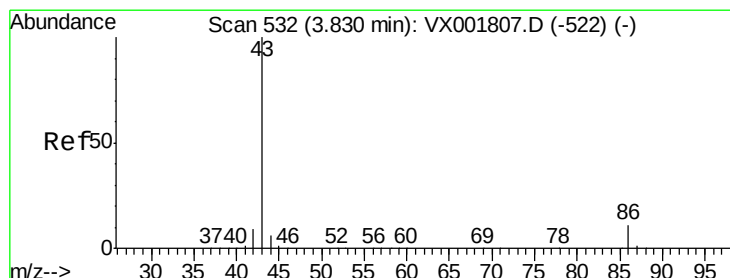
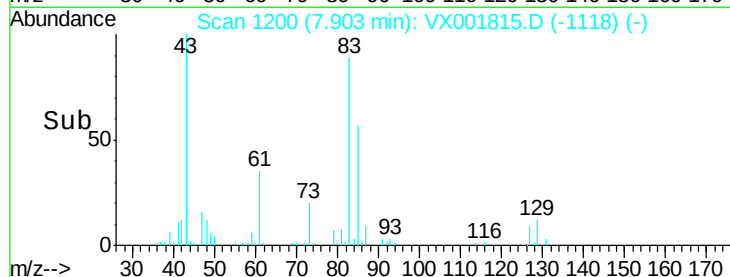
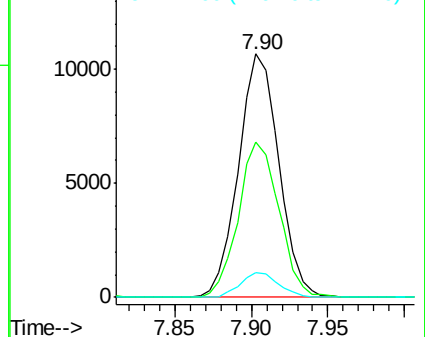
127 10.4 7.0 10.6



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: 23.04 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.00 min

Lab File: VX001815.D

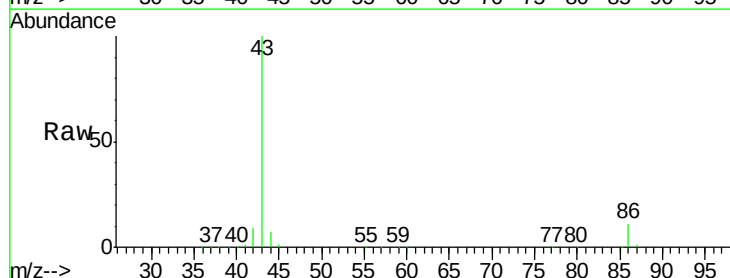
Acq: 18 May 2018 08:40

Tgt Ion: 43 Resp: 204307

Ion Ratio Lower Upper

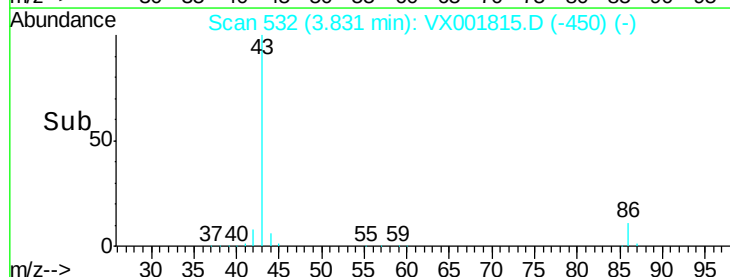
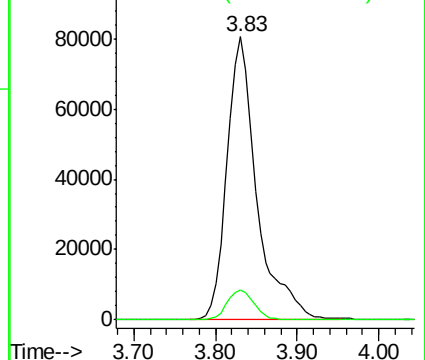
43 100

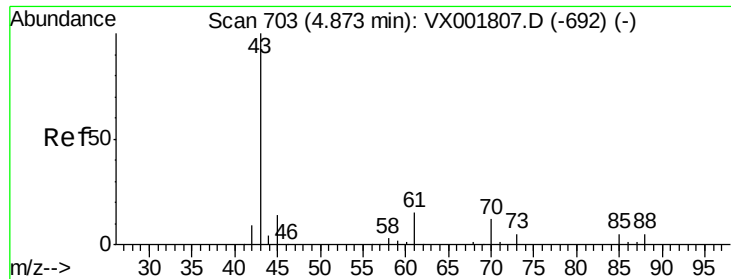
86 9.7 7.5 11.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

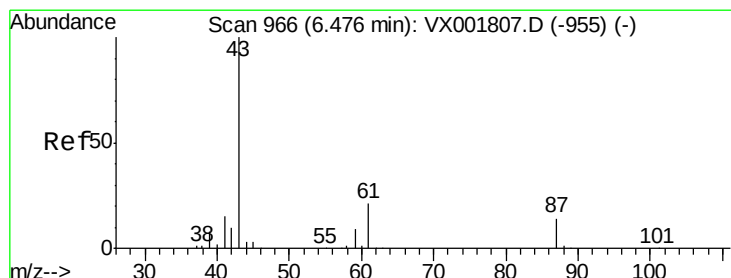
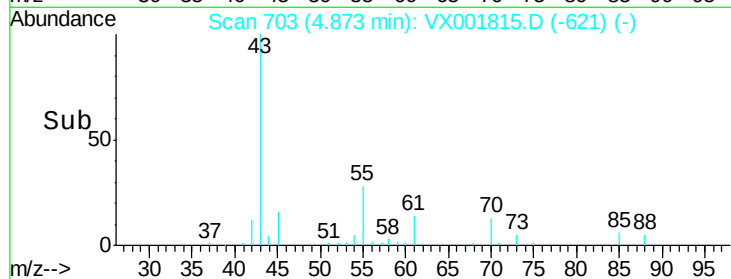
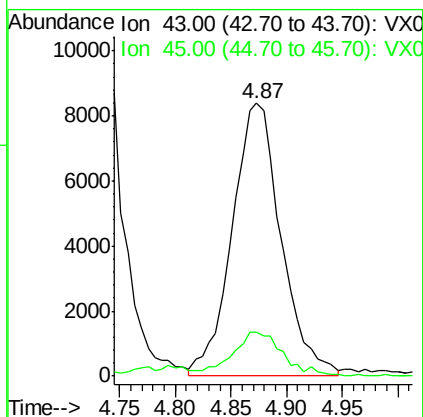
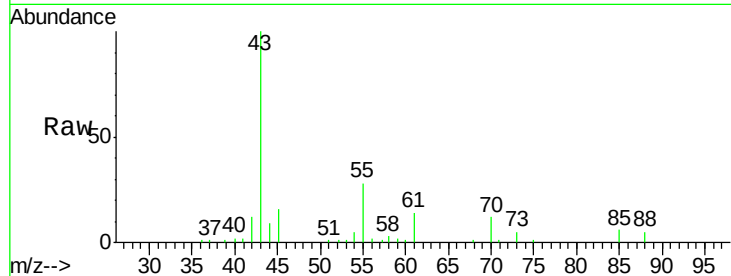




#43
Ethyl Acetate
Concen: 4.12 ug/l
RT: 4.87 min Scan# 703
Delta R.T. 0.00 min
Lab File: VX001815.D
Acq: 18 May 2018 08:40

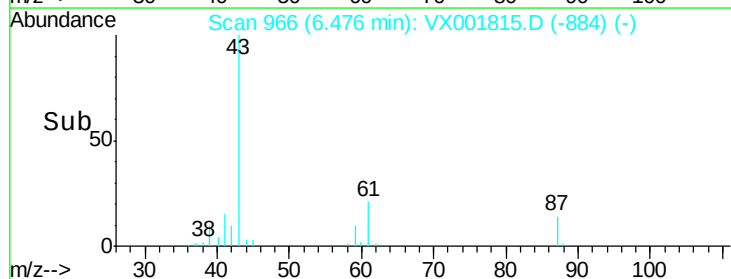
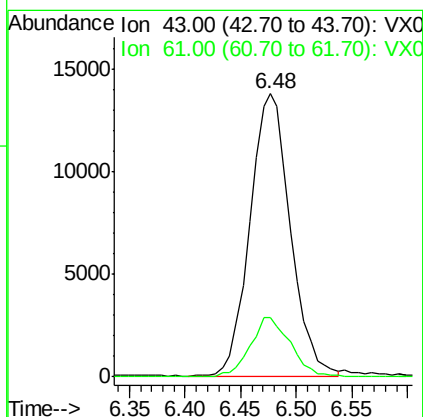
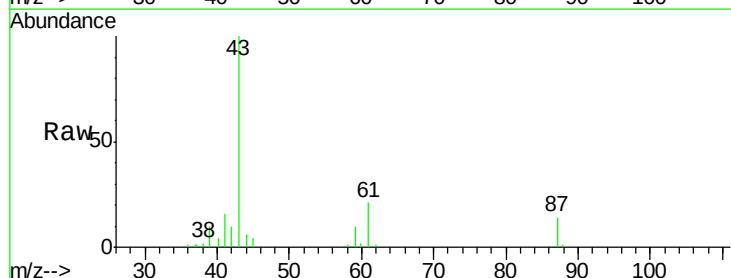
Instrument :
MSVOA_X
ClientSampleId :
LOQ-NPW-Precision-Bias-4

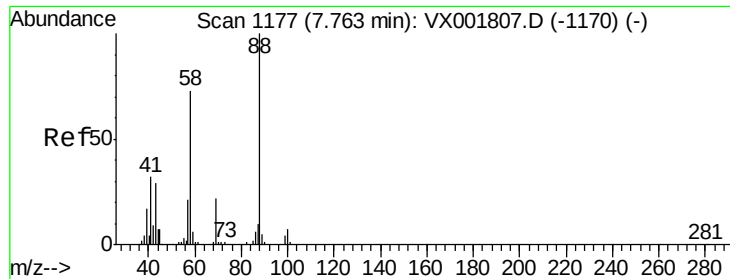
Tot Ion: 43 Resp: 25701
Ion Ratio Lower Upper
43 100
45 12.9 11.8 17.6



#44
Isopropyl Acetate
Concen: 3.87 ug/l
RT: 6.48 min Scan# 966
Delta R.T. 0.00 min
Lab File: VX001815.D
Acq: 18 May 2018 08:40

Tgt Ion: 43 Resp: 34999
Ion Ratio Lower Upper
43 100
61 20.7 16.6 24.8





#45

1,4-Dioxane

Concen: 77.37 ug/l

RT: 7.76 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VX001815.D

Acq: 18 May 2018 08:40

Instrument :

MSVOA_X

ClientSampleId :

LOQ-NPW-Precision-Bias-4

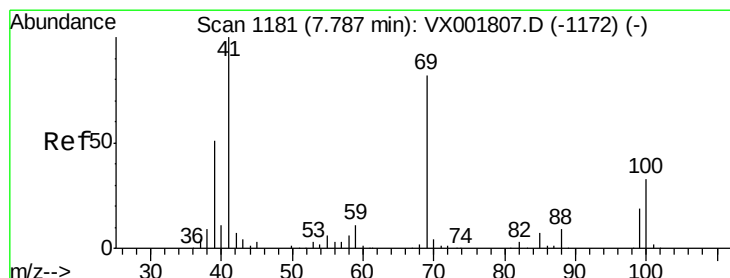
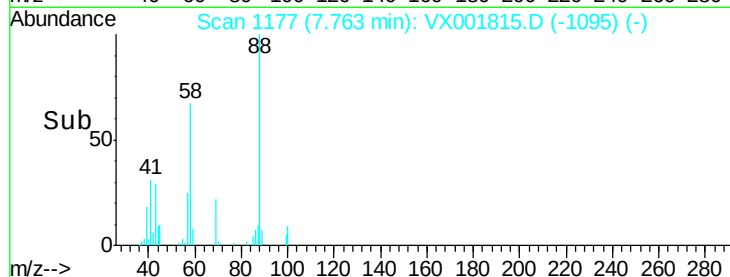
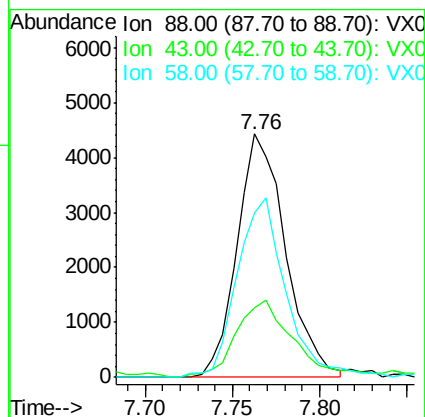
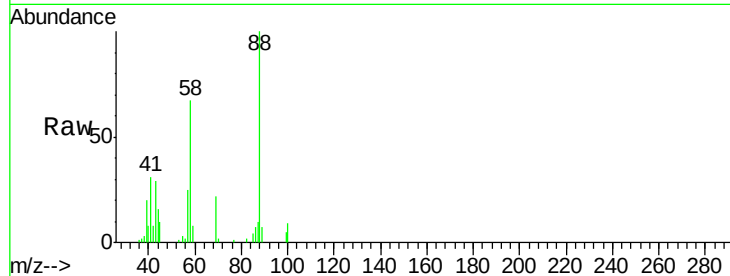
Tot Ion: 88 Resp: 8555

Ion Ratio Lower Upper

88 100

43 37.2 25.0 37.6

58 73.5 56.9 85.3



#46

Methyl methacrylate

Concen: 3.87 ug/l

RT: 7.79 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VX001815.D

Acq: 18 May 2018 08:40

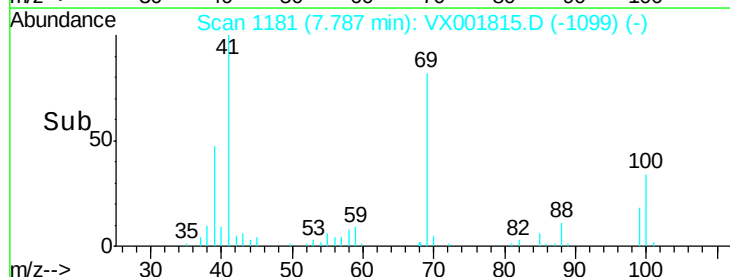
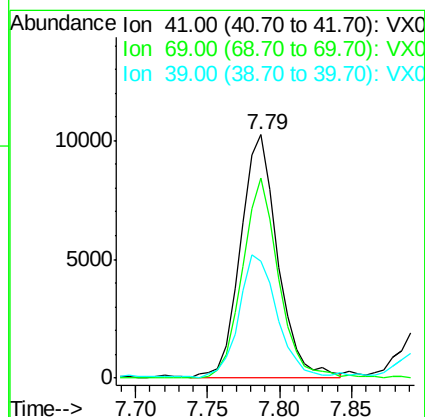
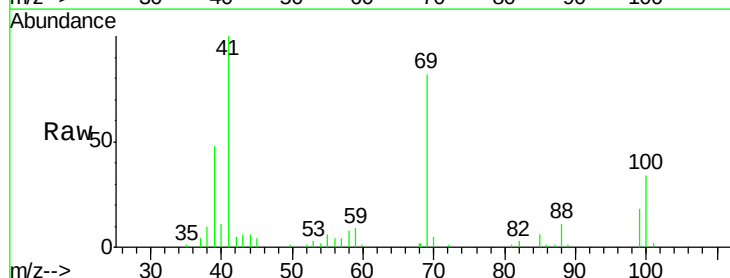
Tgt Ion: 41 Resp: 18434

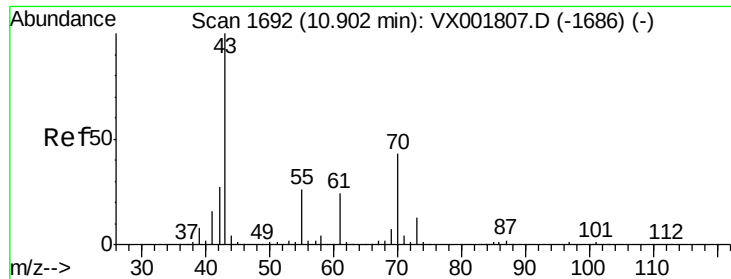
Ion Ratio Lower Upper

41 100

69 82.3 40.9 122.7

39 47.4 25.3 75.9





#47

n-amvl Acetate

Concen: 3.80 ug/l

RT: 10.91 min Scan# 1693

Delta R.T. 0.01 min

Lab File: VX001815.D

Acq: 18 May 2018 08:40

Instrument :

MSVOA_X

ClientSampleId :

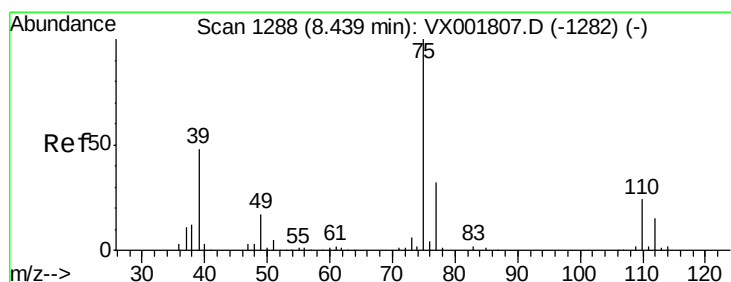
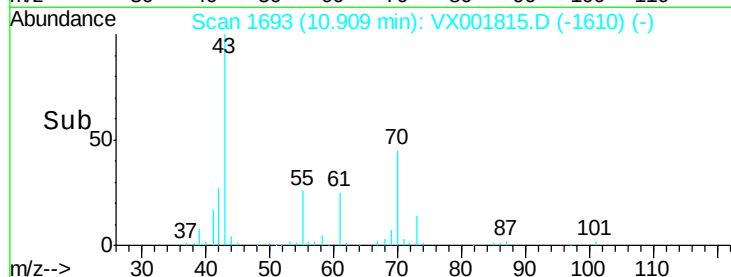
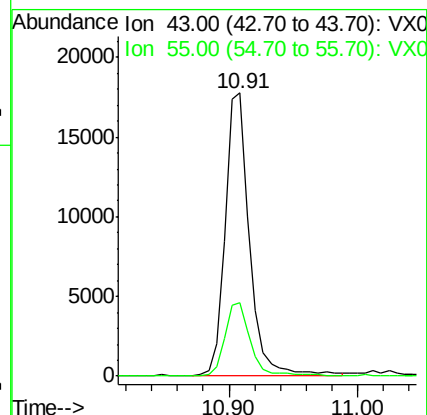
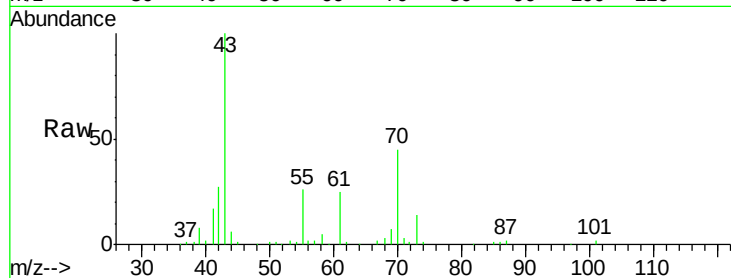
LOQ-NPW-Precision-Bias-4

Tot Ion: 43 Resp: 23756

Ion Ratio Lower Upper

43 100

55 26.1 21.0 31.4



#48

t-1,3-Dichloropropene

Concen: 3.83 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VX001815.D

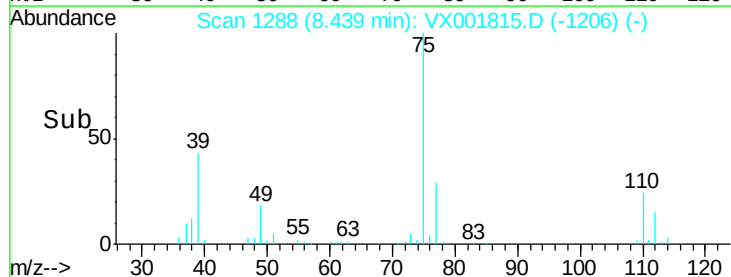
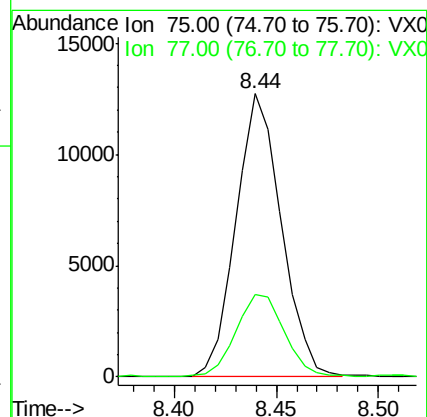
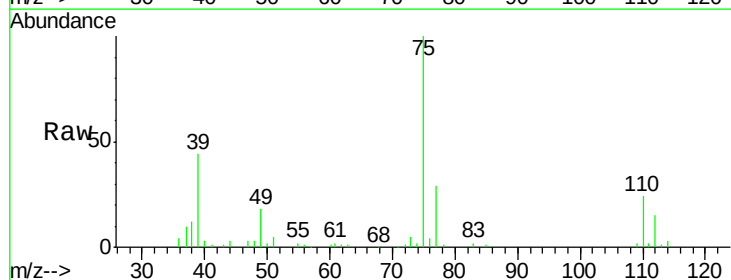
Acq: 18 May 2018 08:40

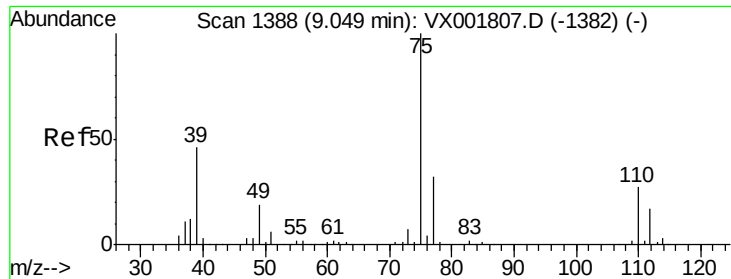
Tgt Ion: 75 Resp: 19642

Ion Ratio Lower Upper

75 100

77 28.6 25.6 38.4





#49

cis-1,3-Dichloropropene

Concen: 3.67 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. 0.00 min

Lab File: VX001815.D

Acq: 18 May 2018 08:40

Instrument :

MSVOA_X

ClientSampleId :

LOQ-NPW-Precision-Bias-4

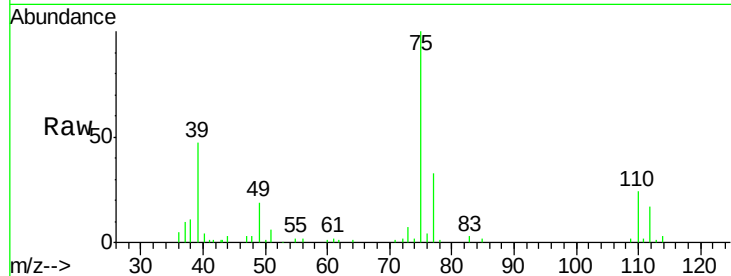
Tot Ion: 75 Resp: 16481

Ion Ratio Lower Upper

75 100

77 32.2 25.5 38.3

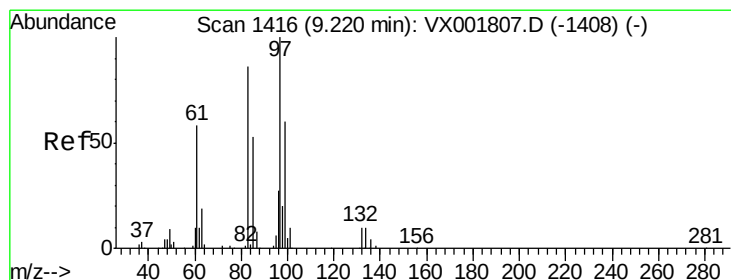
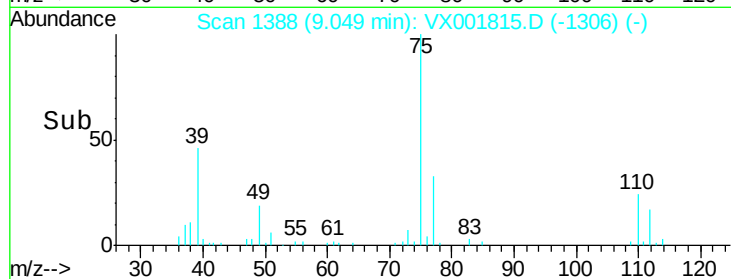
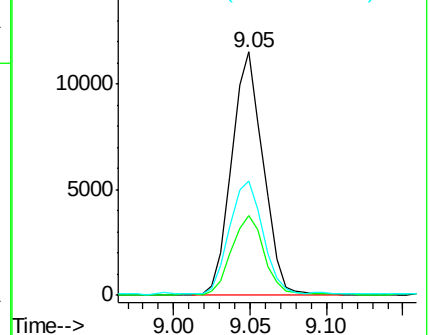
39 46.3 37.0 55.4



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#50

1,1,2-Trichloroethane

Concen: 4.32 ug/l

RT: 9.22 min Scan# 1416

Delta R.T. 0.00 min

Lab File: VX001815.D

Acq: 18 May 2018 08:40

Tgt Ion: 97 Resp: 16418

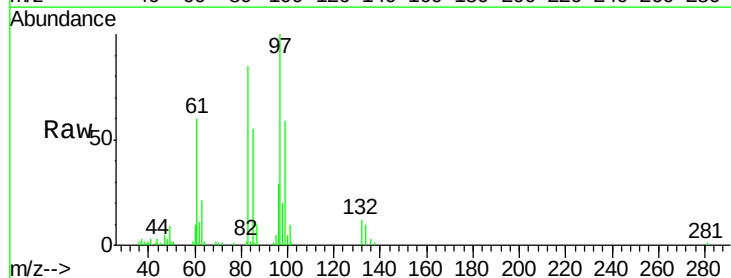
Ion Ratio Lower Upper

97 100

83 85.3 68.6 103.0

85 54.6 42.5 63.7

99 58.6 50.4 75.6

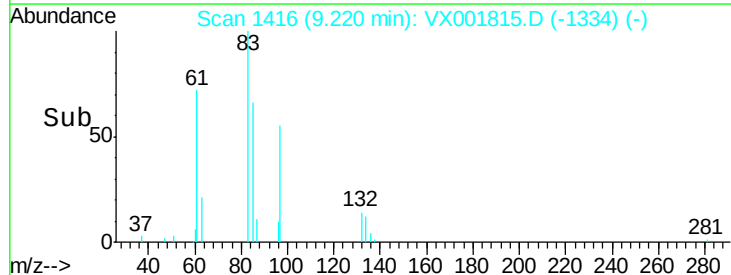
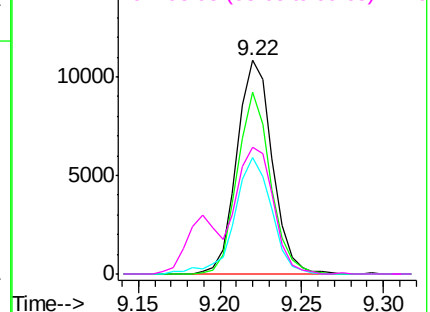


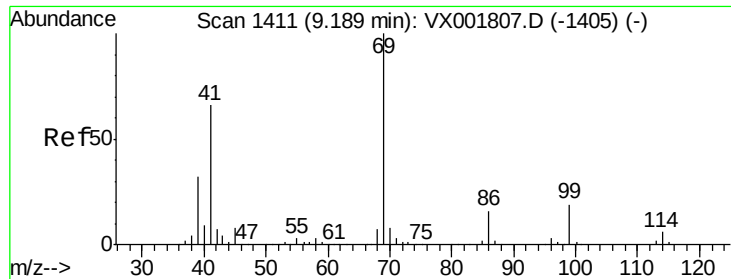
Abundance Ion 97.00 (96.70 to 97.70): VX0

Ion 82.95 (82.65 to 83.65): VX0

Ion 84.95 (84.65 to 85.65): VX0

Ion 98.95 (98.65 to 99.65): VX0





#51

Ethyl methacrylate

Concen: 4.24 ug/l

RT: 9.19 min Scan# 1411

Delta R.T. 0.00 min

Lab File: VX001815.D

Acq: 18 May 2018 08:40

Instrument :

MSVOA_X

ClientSampleId :

LOQ-NPW-Precision-Bias-4

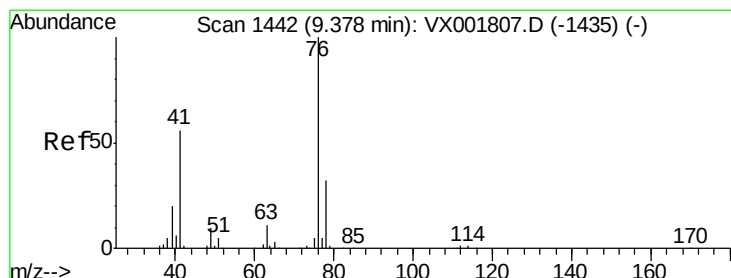
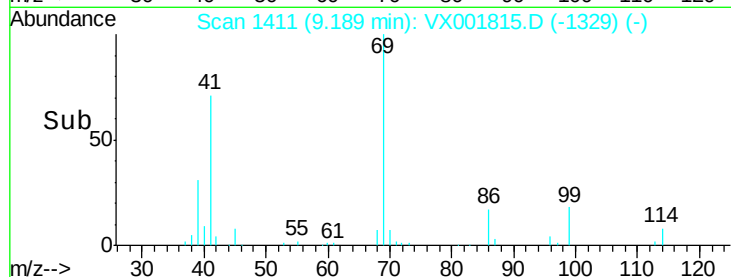
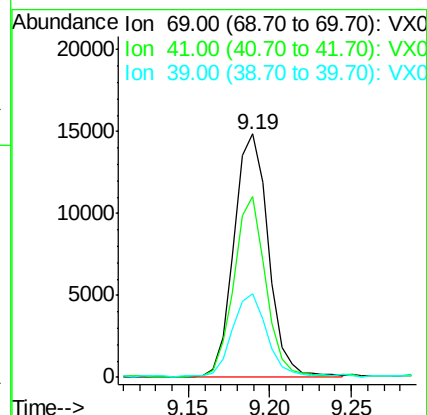
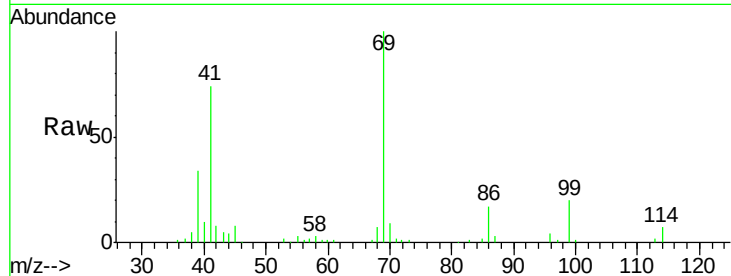
Tot Ion: 69 Resp: 21929

Ion Ratio Lower Upper

69 100

41 73.5 32.9 98.7

39 33.8 16.1 48.2



#52

1,3-Dichloropropane

Concen: 4.26 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VX001815.D

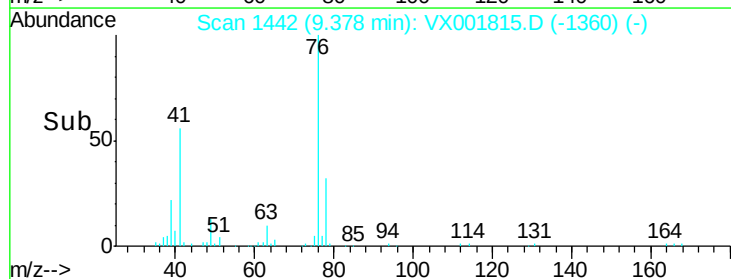
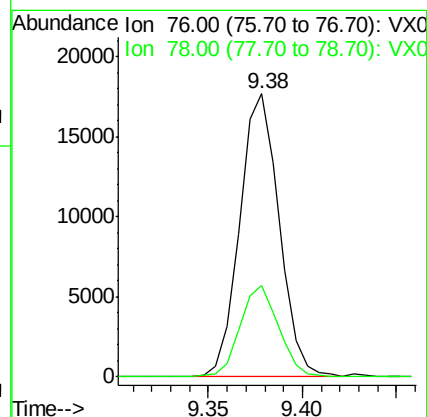
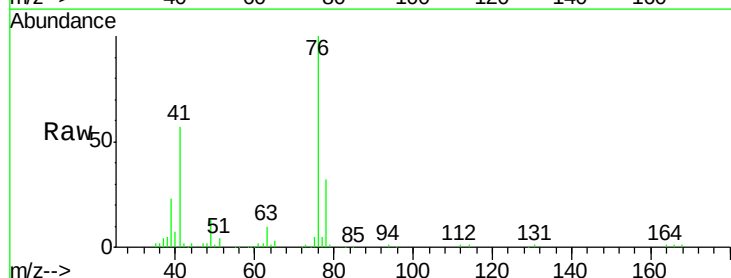
Acq: 18 May 2018 08:40

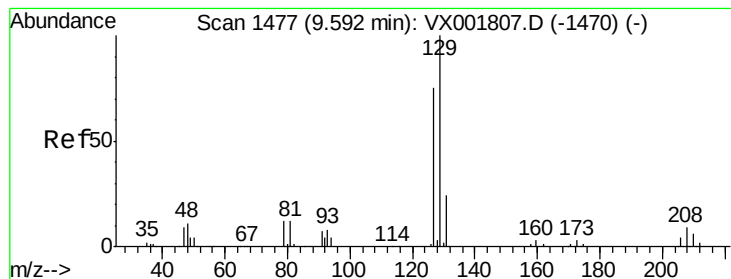
Tgt Ion: 76 Resp: 25707

Ion Ratio Lower Upper

76 100

78 31.4 0.0 63.6





#53

Dibromochloromethane

Concen: 3.78 ug/l

RT: 9.59 min Scan# 1476

Delta R.T. -0.01 min

Lab File: VX001815.D

Acq: 18 May 2018 08:40

Instrument :

MSVOA_X

ClientSampleId :

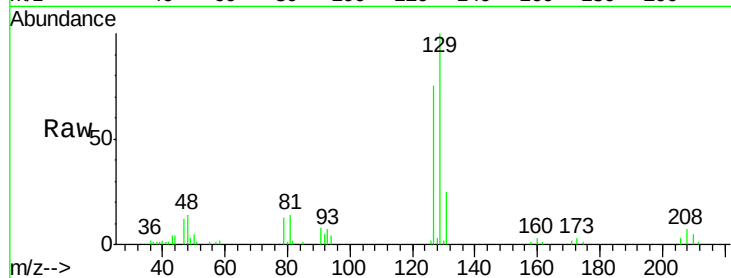
LOQ-NPW-Precision-Bias-4

Tot Ion:129 Resp: 13961

Ion Ratio Lower Upper

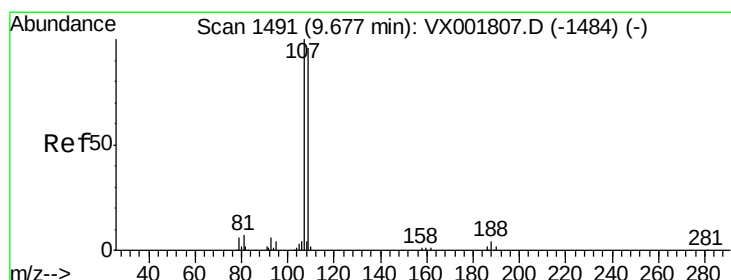
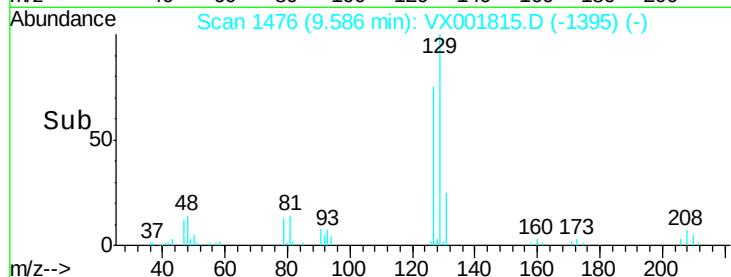
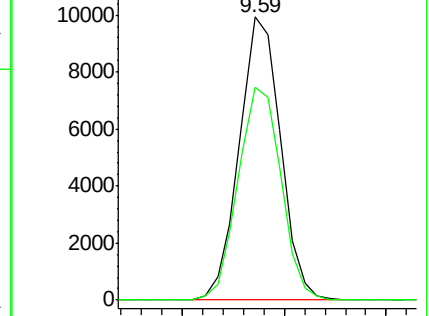
129 100

127 78.0 38.7 116.1



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 4.11 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX001815.D

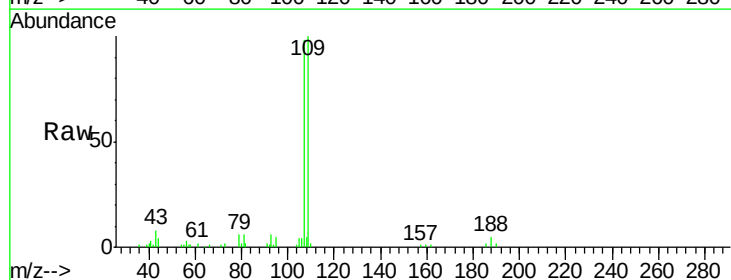
Acq: 18 May 2018 08:40

Tgt Ion:107 Resp: 15825

Ion Ratio Lower Upper

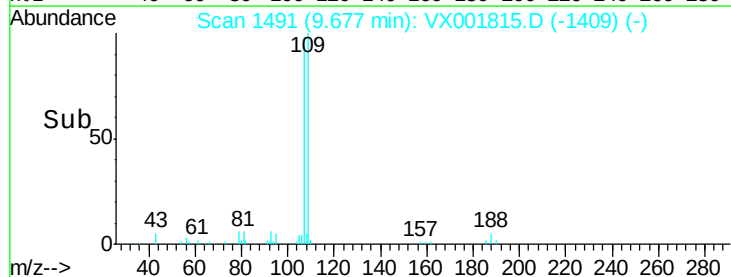
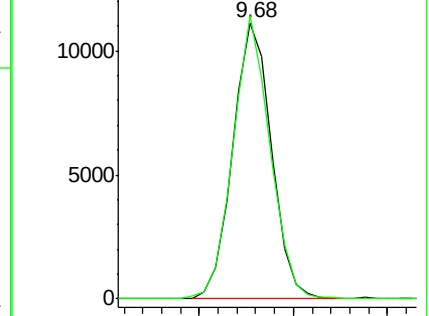
107 100

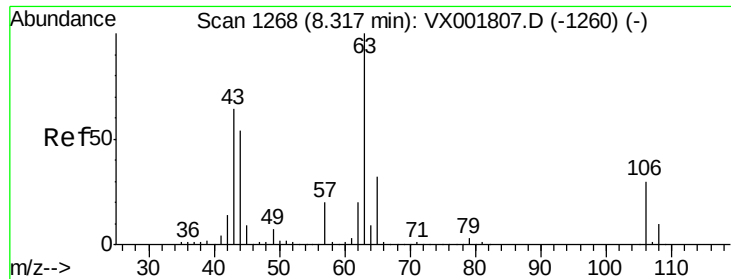
109 98.2 76.3 114.5



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

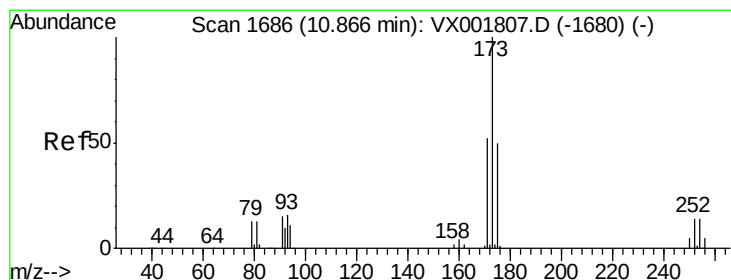
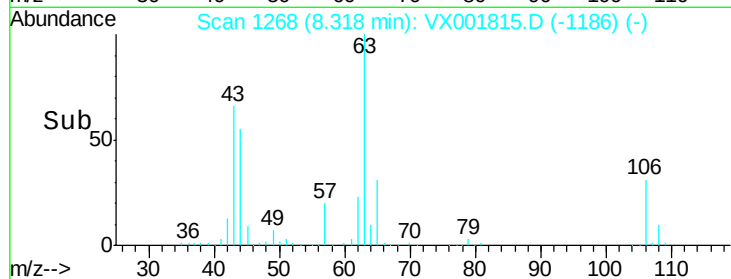
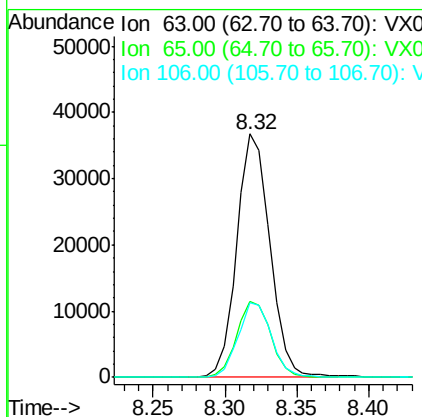
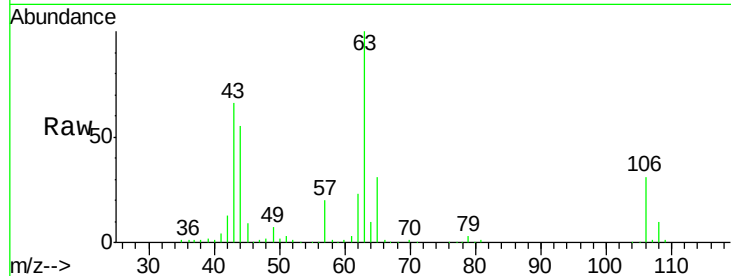




#55
2-Chloroethyl vinyl ether
Concen: 19.48 ug/l
RT: 8.32 min Scan# 1268
Delta R.T. 0.00 min
Lab File: VX001815.D
Acq: 18 May 2018 08:40

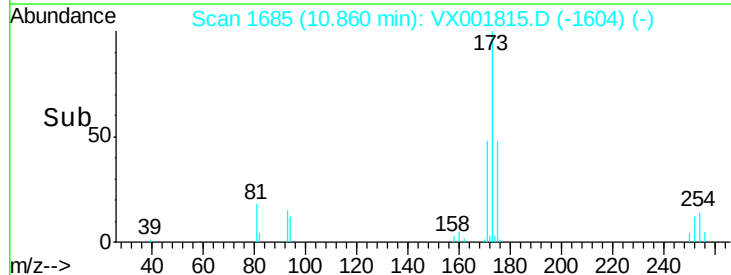
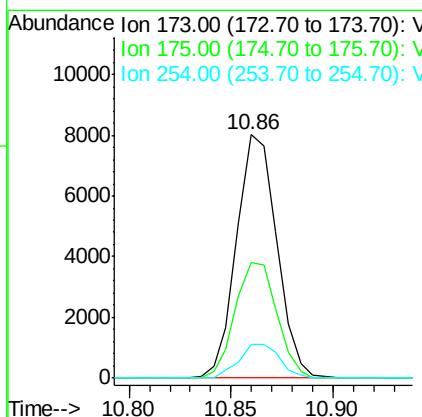
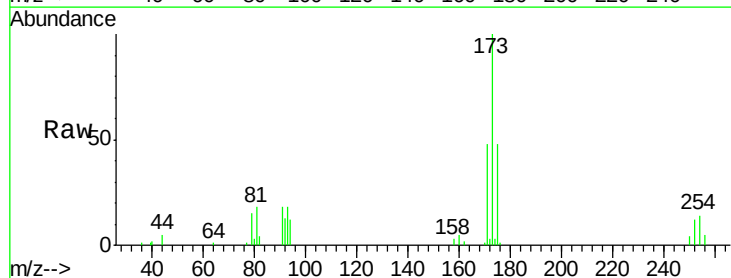
Instrument :
MSVOA_X
ClientSampleId :
LOQ-NPW-Precision-Bias-4

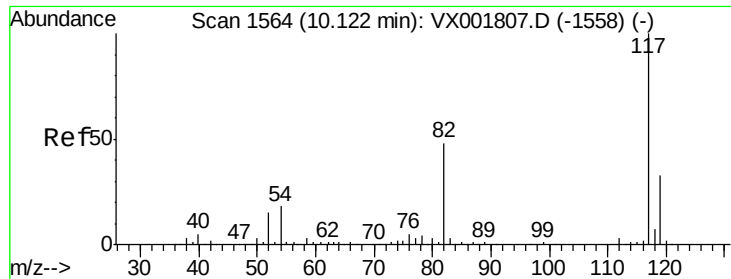
Tot Ion: 63 Resp: 58798
Ion Ratio Lower Upper
63 100
65 31.8 25.4 38.2
106 31.0 24.9 37.3



#56
Bromoform
Concen: 3.65 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VX001815.D
Acq: 18 May 2018 08:40

Tgt Ion: 173 Resp: 11028
Ion Ratio Lower Upper
173 100
175 49.1 38.8 58.2
254 14.0 10.7 16.1

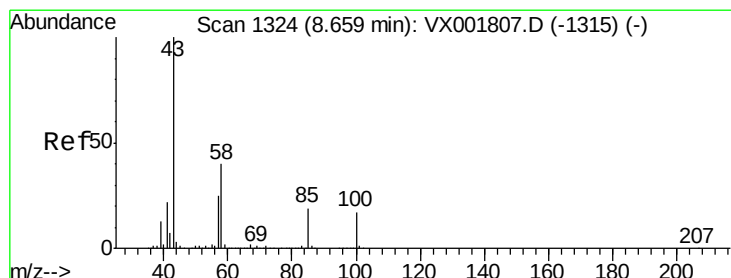
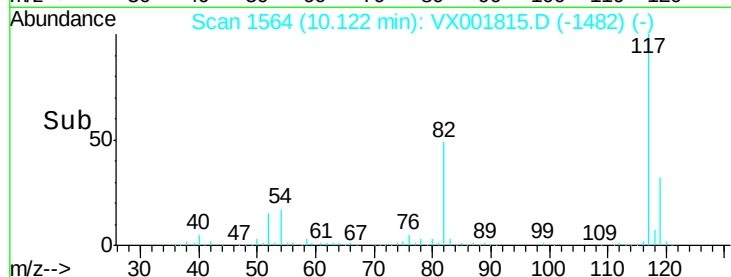
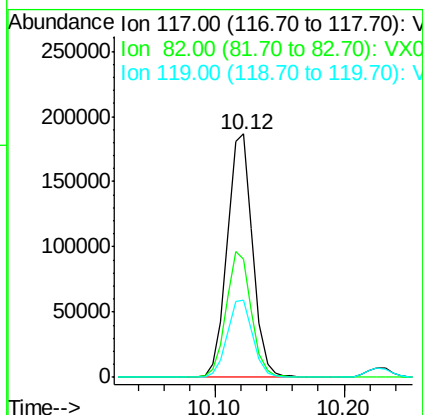
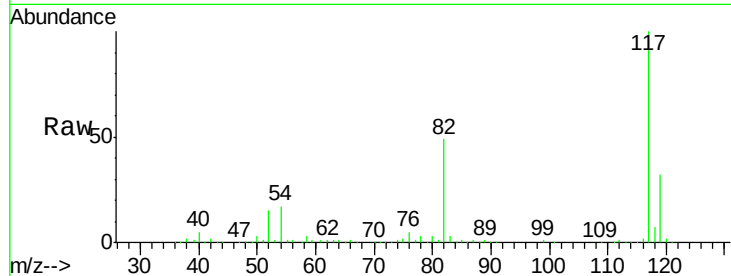




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX001815.D
Acq: 18 May 2018 08:40

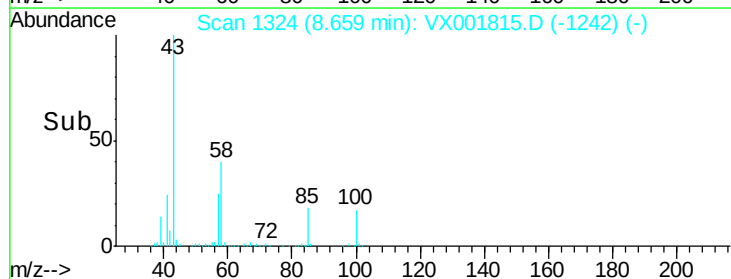
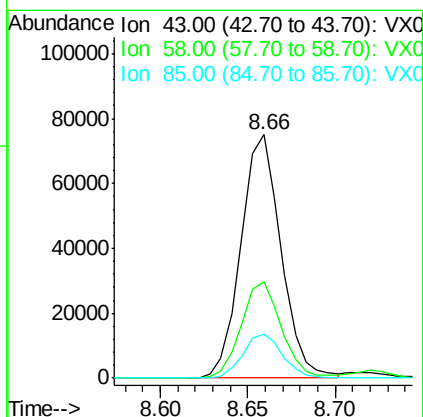
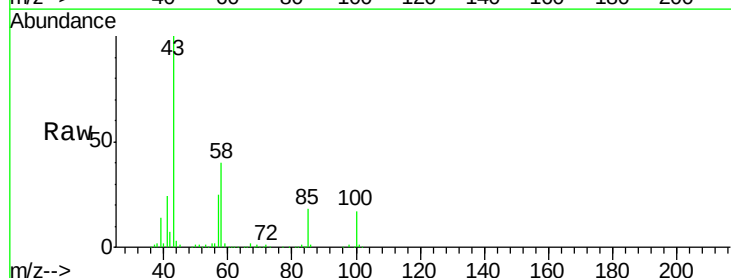
Instrument :
MSVOA_X
ClientSampleId :
LOQ-NPW-Precision-Bias-4

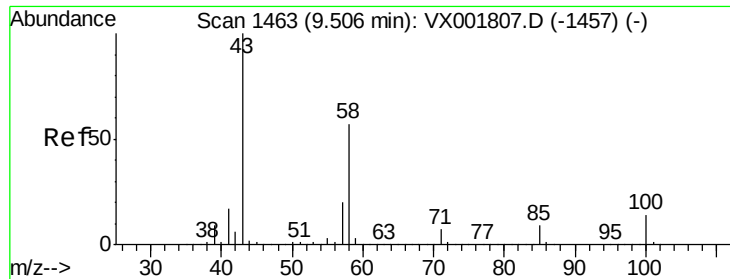
Tot Ion:117 Resp: 258983
Ion Ratio Lower Upper
117 100
82 51.0 40.1 60.1
119 31.8 26.0 39.0



#58
4-Methyl-2-Pentanone
Concen: 18.44 ug/l
RT: 8.66 min Scan# 1324
Delta R.T. 0.00 min
Lab File: VX001815.D
Acq: 18 May 2018 08:40

Tgt Ion: 43 Resp: 119400
Ion Ratio Lower Upper
43 100
58 39.6 31.3 46.9
85 18.5 14.5 21.7

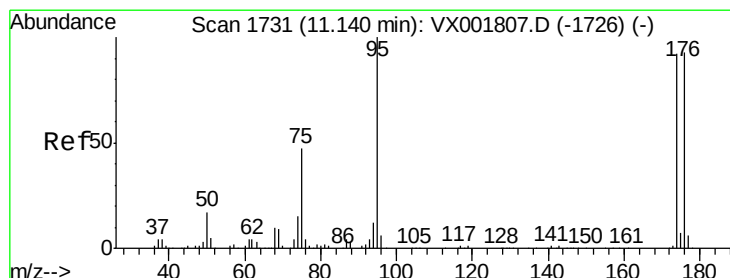
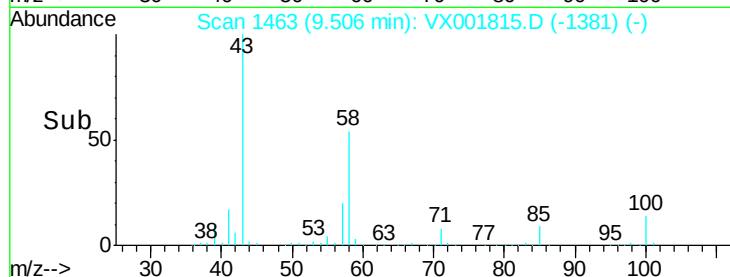
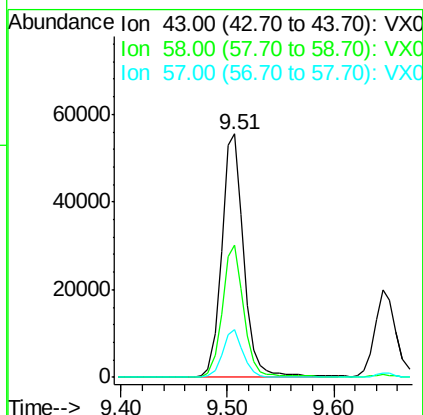
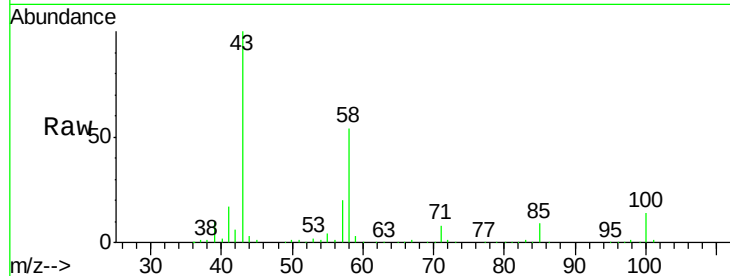




#59
2-Hexanone
Concen: 18.87 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. 0.00 min
Lab File: VX001815.D
Acq: 18 May 2018 08:40

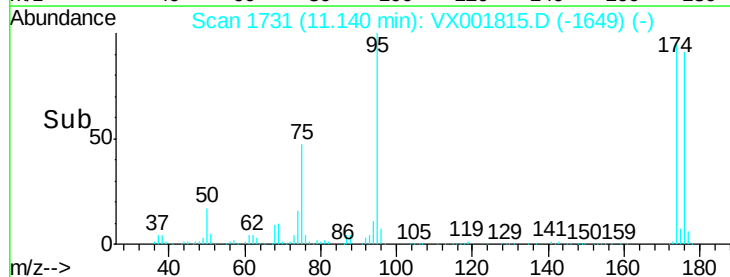
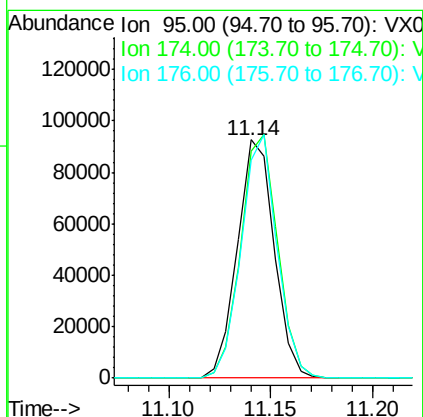
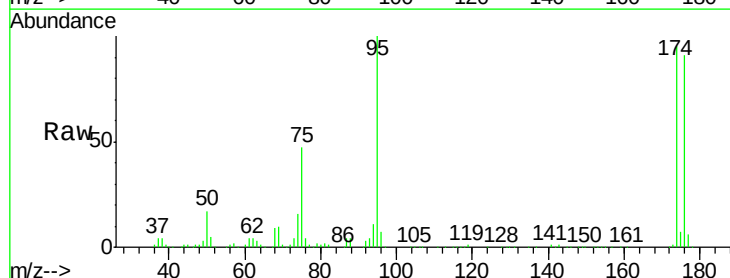
Instrument :
MSVOA_X
ClientSampleId :
LOQ-NPW-Precision-Bias-4

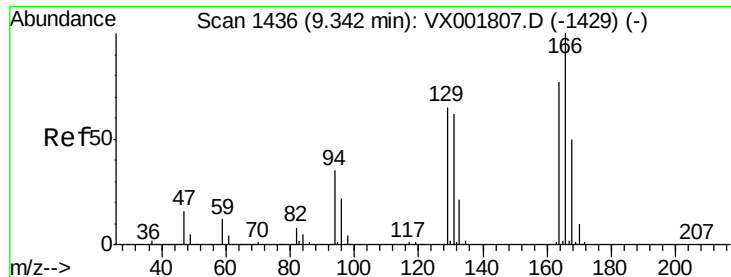
Tot Ion: 43 Resp: 80142
Ion Ratio Lower Upper
43 100
58 52.4 44.6 66.8
57 18.1 15.5 23.3



#60
4-Bromofluorobenzene
Concen: 30.15 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX001815.D
Acq: 18 May 2018 08:40

Tgt Ion: 95 Resp: 116089
Ion Ratio Lower Upper
95 100
174 102.9 82.0 123.0
176 99.6 80.6 120.8





#61

Tetrachloroethene

Concen: 5.37 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. 0.00 min

Lab File: VX001815.D

Acq: 18 May 2018 08:40

Instrument :

MSVOA_X

ClientSampleId :

LOQ-NPW-Precision-Bias-4

Tot Ion:164 Resp: 20467

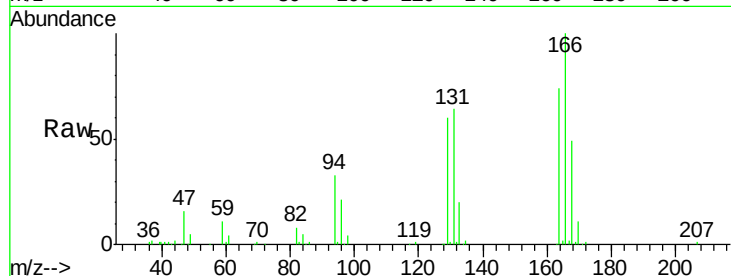
Ion Ratio Lower Upper

164 100

166 135.9 104.1 156.1

129 81.7 67.8 101.8

131 87.0 64.6 97.0

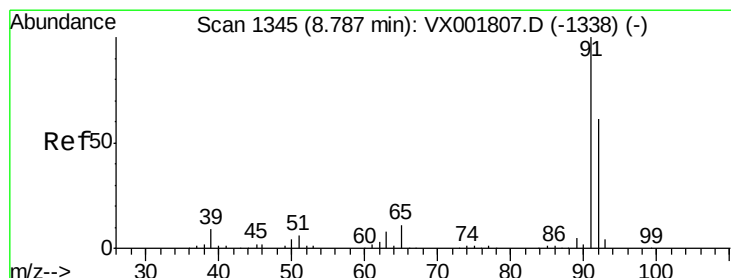
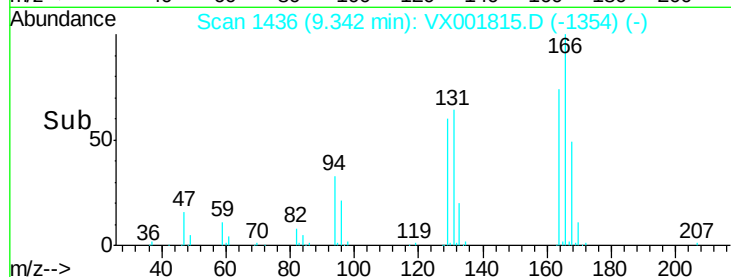
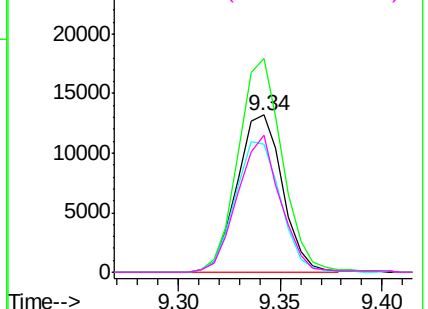


Abundance Ion 163.85 (163.55 to 164.55): V

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: 4.85 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX001815.D

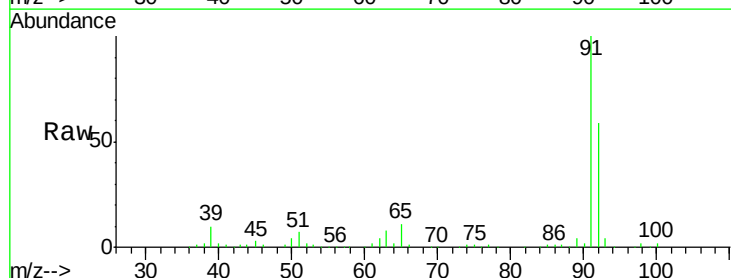
Acq: 18 May 2018 08:40

Tgt Ion: 91 Resp: 72587

Ion Ratio Lower Upper

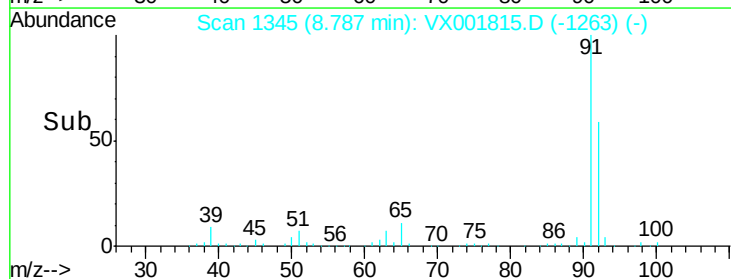
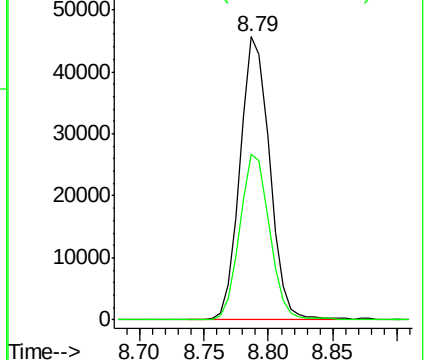
91 100

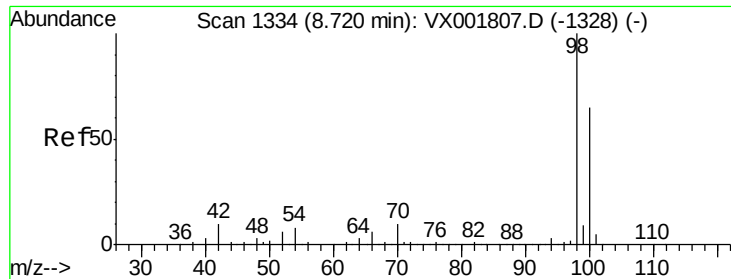
92 58.6 47.8 71.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

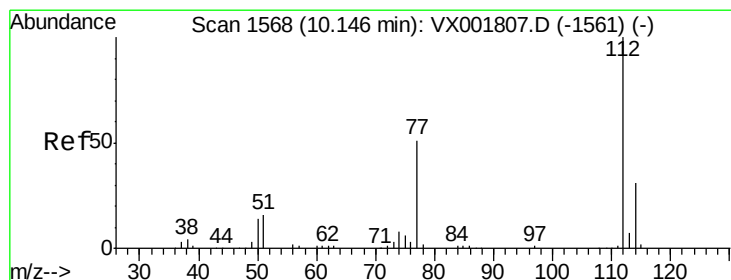
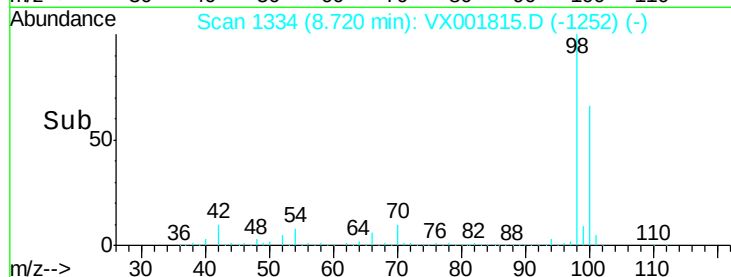
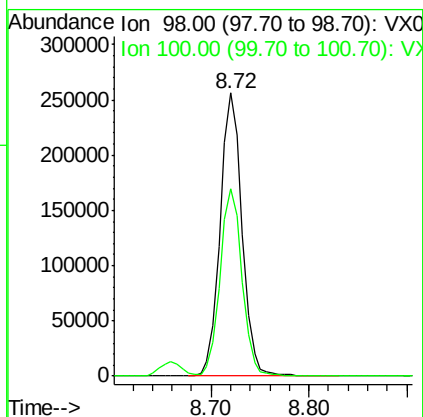
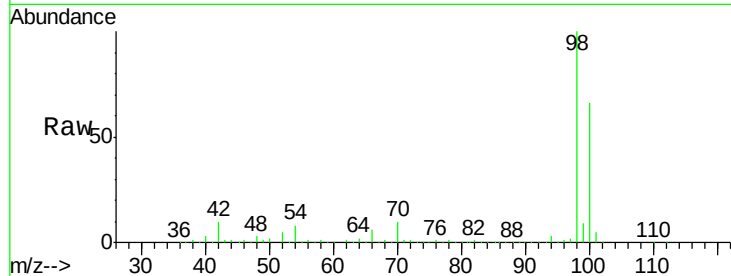




#63
Toluene-d8
Concen: 30.35 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX001815.D
Acq: 18 May 2018 08:40

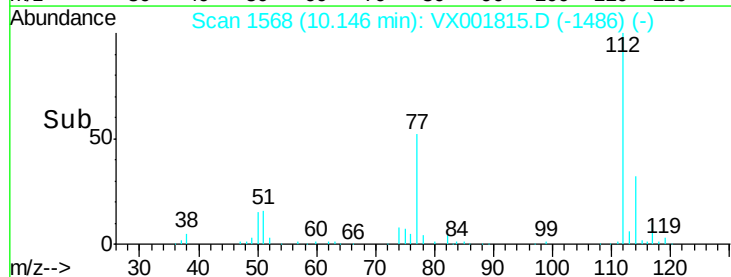
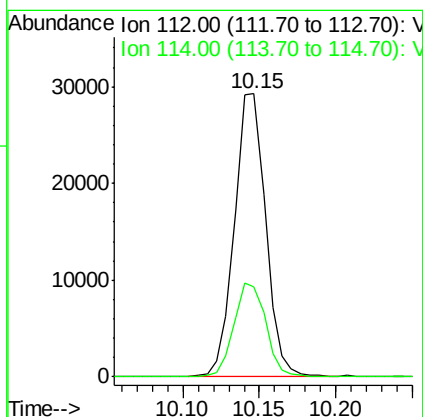
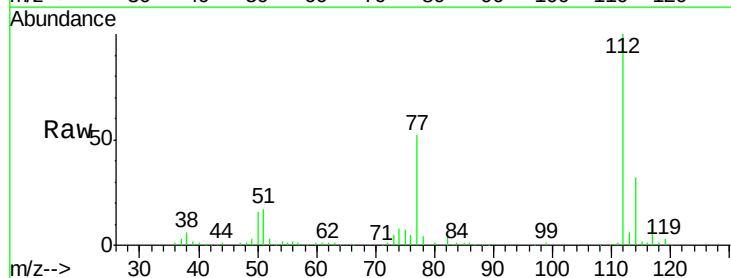
Instrument :
MSVOA_X
ClientSampleId :
LOQ-NPW-Precision-Bias-4

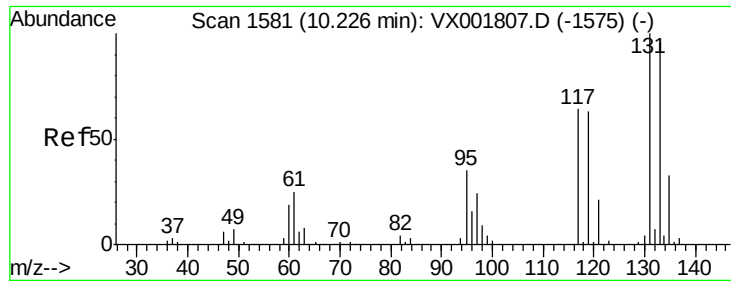
Tot Ion: 98 Resp: 397286
Ion Ratio Lower Upper
98 100
100 65.8 53.1 79.7



#64
Chlorobenzene
Concen: 4.75 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX001815.D
Acq: 18 May 2018 08:40

Tgt Ion: 112 Resp: 41593
Ion Ratio Lower Upper
112 100
114 31.7 25.1 37.7





#65

1,1,1,2-Tetrachloroethane

Concen: 4.23 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VX001815.D

Acq: 18 May 2018 08:40

Instrument :

MSVOA_X

ClientSampleId :

LOQ-NPW-Precision-Bias-4

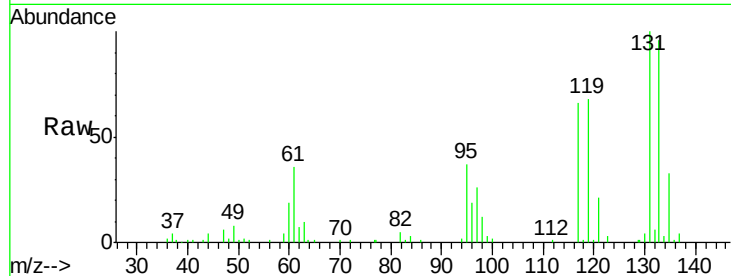
Tot Ion:131 Resp: 14959

Ion Ratio Lower Upper

131 100

133 96.4 0.0 192.2

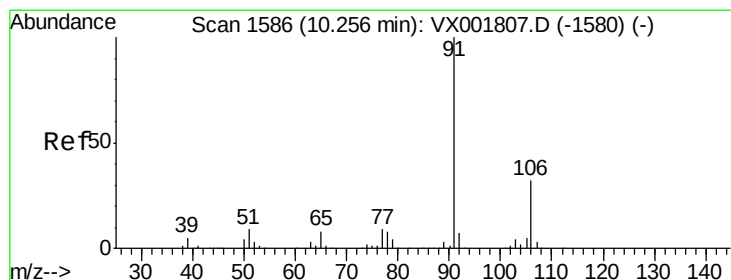
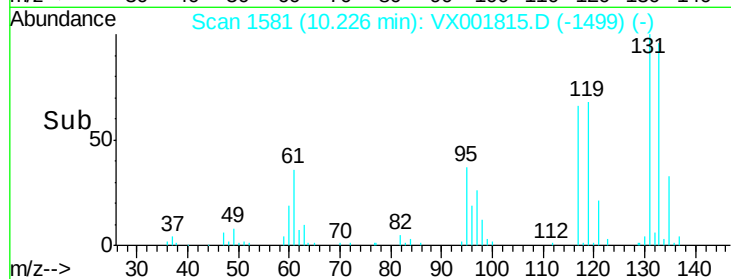
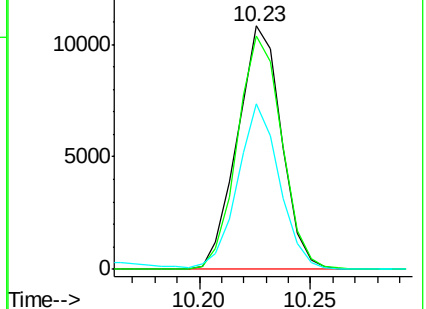
119 64.6 0.0 125.4



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: 5.20 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX001815.D

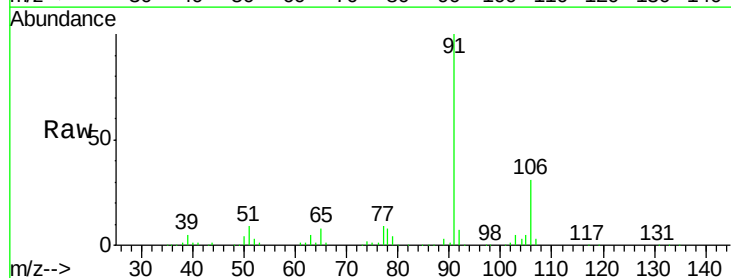
Acq: 18 May 2018 08:40

Tgt Ion: 91 Resp: 64685

Ion Ratio Lower Upper

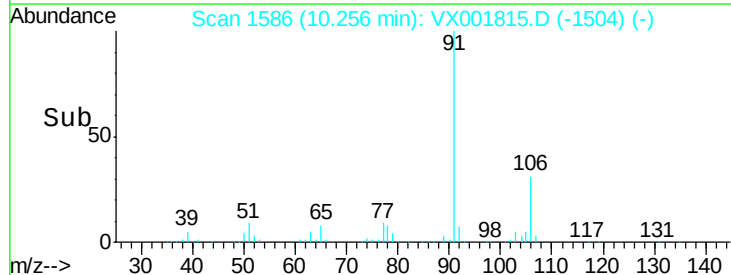
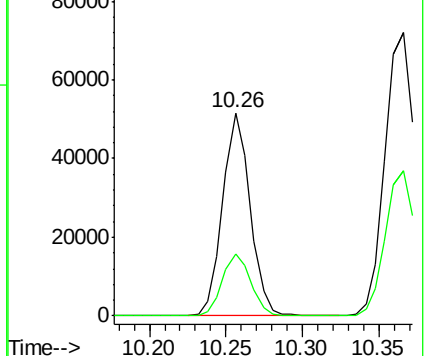
91 100

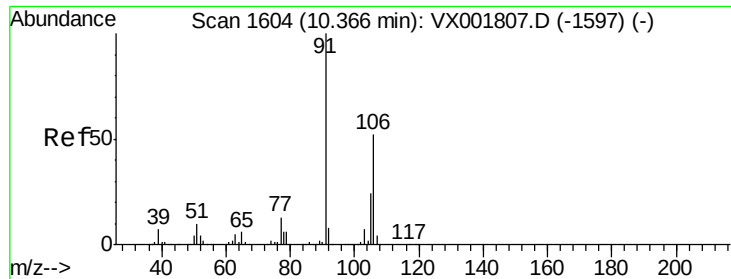
106 30.7 25.8 38.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V

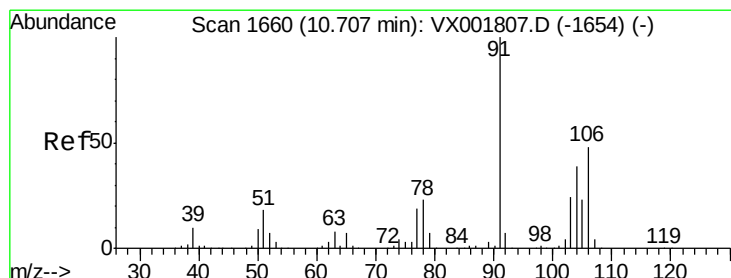
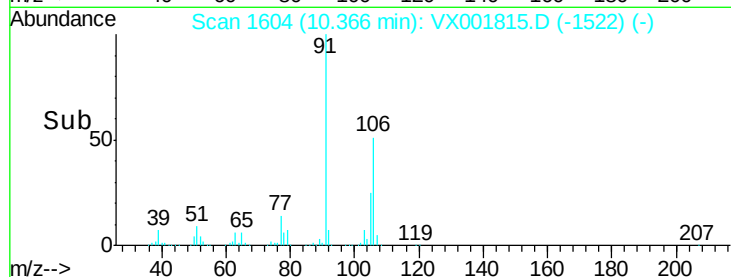
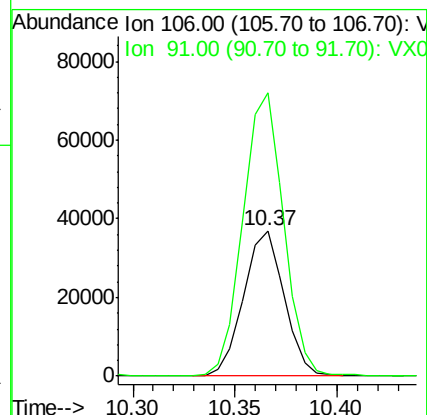
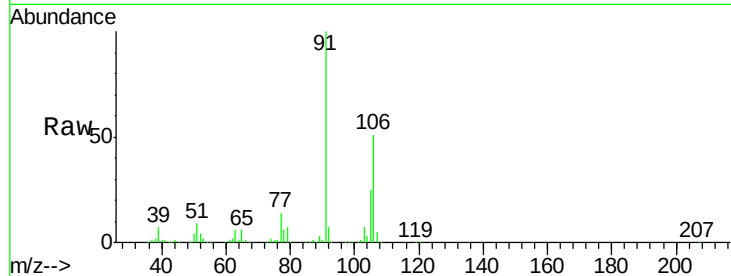




#67
m/p-Xylenes
Concen: 10.28 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VX001815.D
Acq: 18 May 2018 08:40

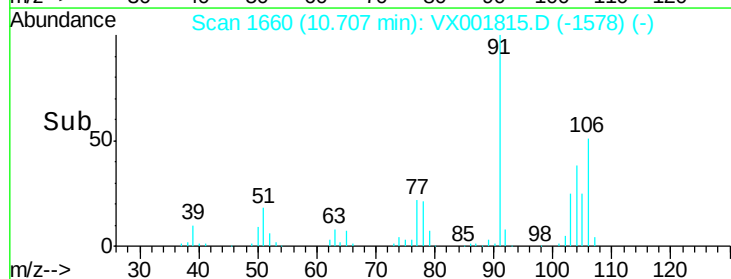
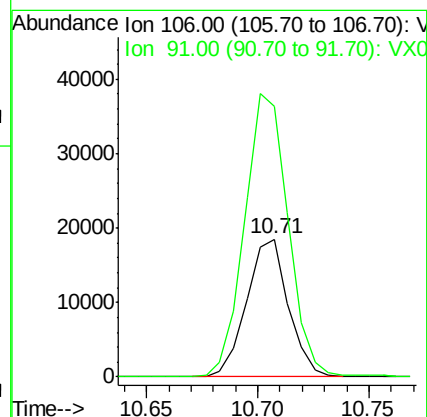
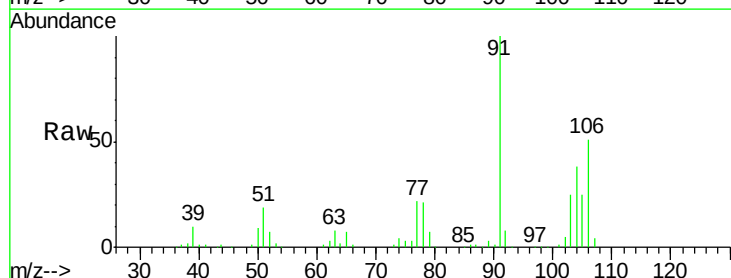
Instrument :
MSVOA_X
ClientSampleId :
LOQ-NPW-Precision-Bias-4

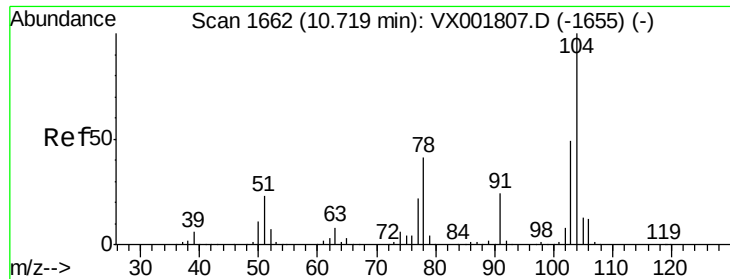
Tot Ion:106 Resp: 51092
Ion Ratio Lower Upper
106 100
91 195.5 154.7 232.1



#68
o-Xylene
Concen: 4.76 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. 0.00 min
Lab File: VX001815.D
Acq: 18 May 2018 08:40

Tgt Ion:106 Resp: 24342
Ion Ratio Lower Upper
106 100
91 214.8 104.3 312.8





#69

Stvrene

Concen: 4.56 ug/l

RT: 10.72 min Scan# 1662

Delta R.T. 0.00 min

Lab File: VX001815.D

Acq: 18 May 2018 08:40

Instrument :

MSVOA_X

ClientSampleId :

LOQ-NPW-Precision-Bias-4

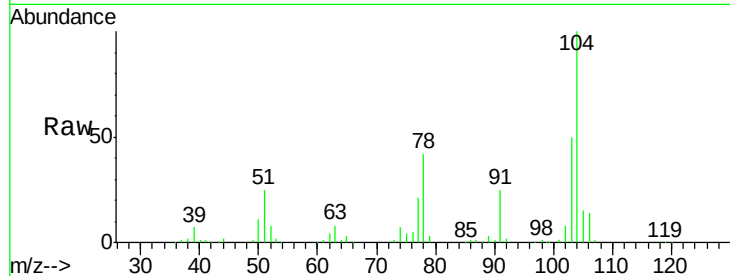
Tot Ion:104 Resp: 38861

Ion Ratio Lower Upper

104 100

78 47.1 37.0 55.6

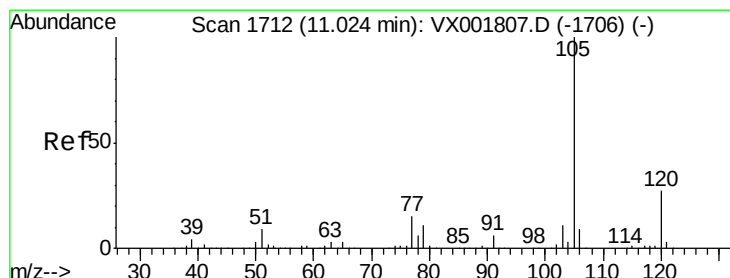
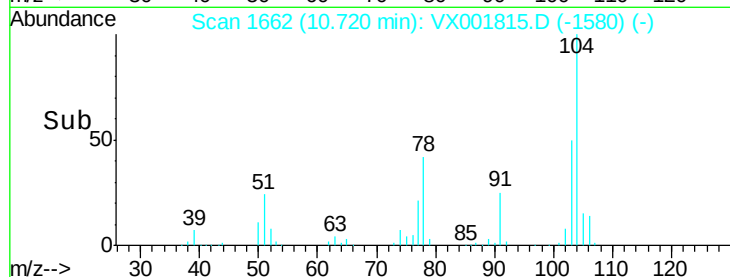
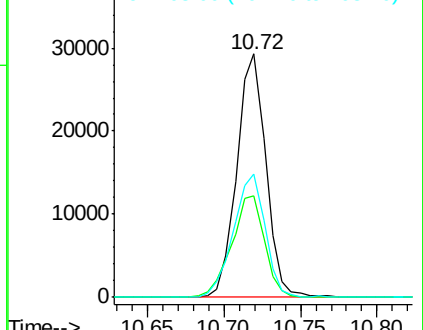
103 54.9 43.5 65.3



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VX0

Ion 103.00 (102.70 to 103.70): V



#70

Isopropylbenzene

Concen: 5.51 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX001815.D

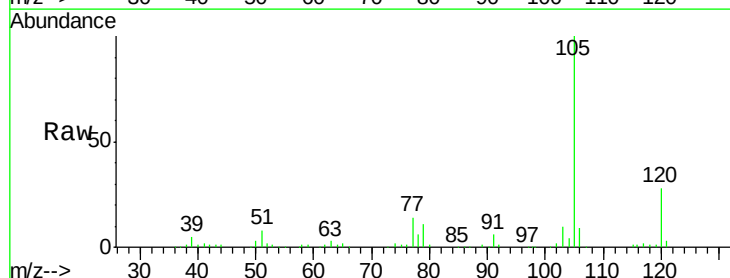
Acq: 18 May 2018 08:40

Tgt Ion:105 Resp: 66137

Ion Ratio Lower Upper

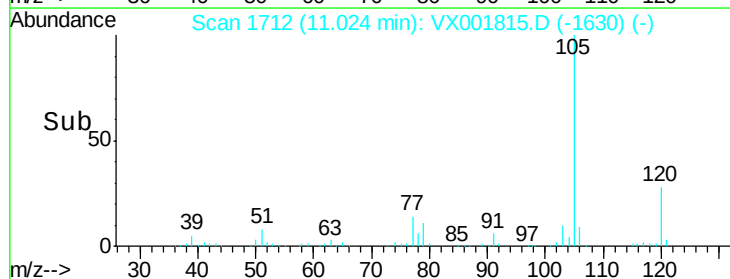
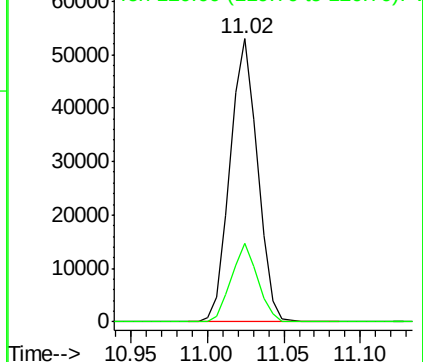
105 100

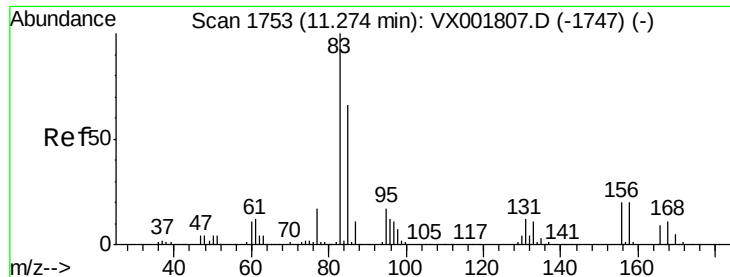
120 26.8 19.3 35.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

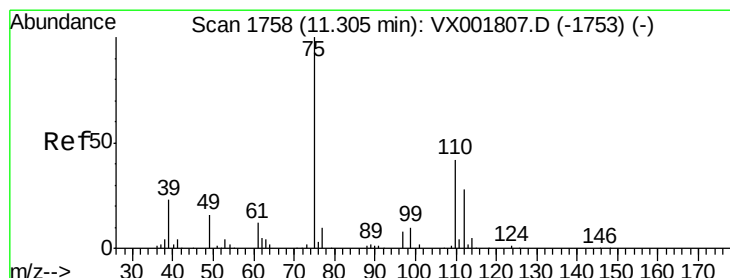
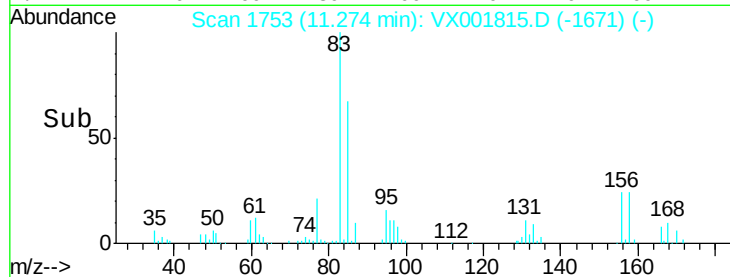
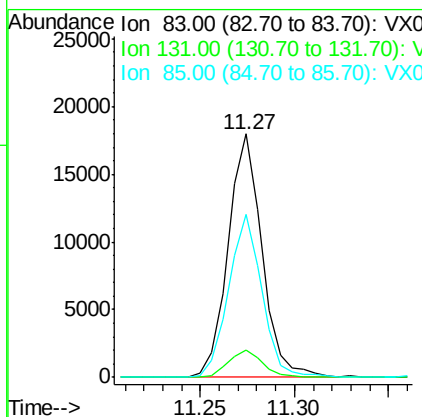
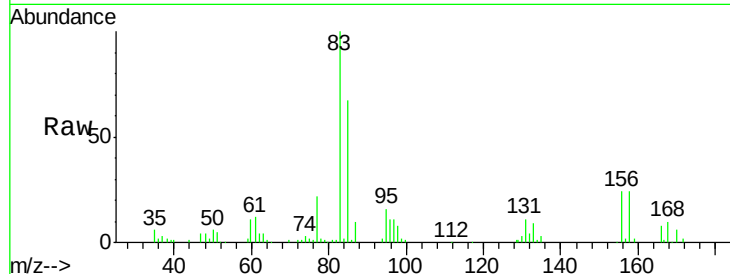




#71
 1,1,2,2-Tetrachloroethane
 Concen: 4.11 ug/l
 RT: 11.27 min Scan# 1753
 Delta R.T. 0.00 min
 Lab File: VX001815.D
 Acq: 18 May 2018 08:40

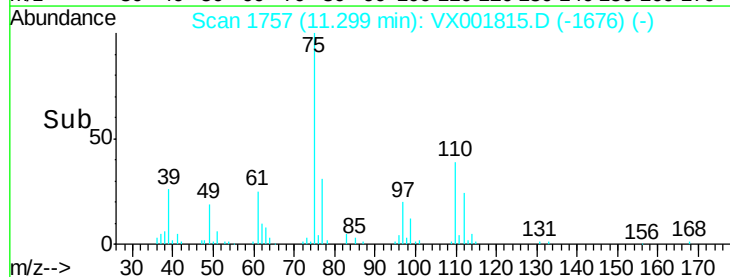
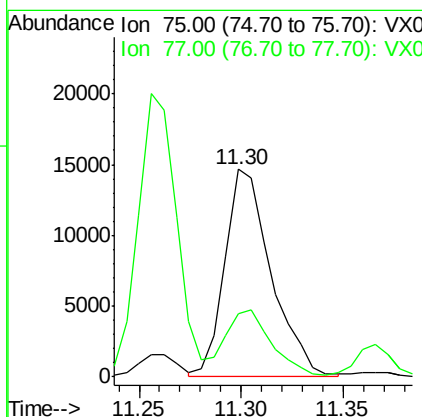
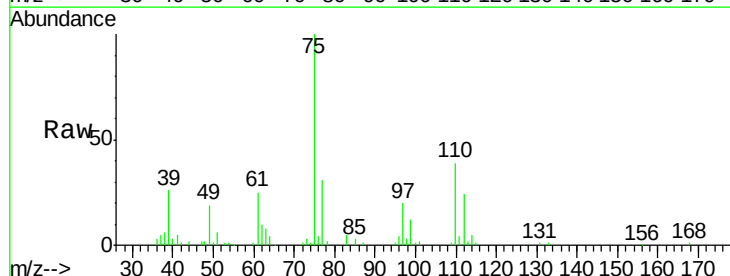
Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-NPW-Precision-Bias-4

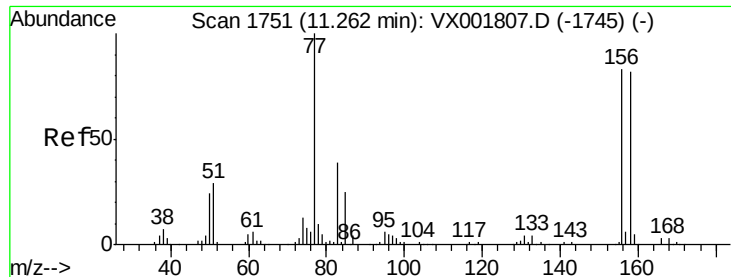
Tot Ion: 83 Resp: 22417
 Ion Ratio Lower Upper
 83 100
 131 11.1 5.8 17.3
 85 66.0 32.3 96.9



#72
 1,2,3-Trichloropropane
 Concen: 4.45 ug/l
 RT: 11.30 min Scan# 1757
 Delta R.T. -0.01 min
 Lab File: VX001815.D
 Acq: 18 May 2018 08:40

Tgt Ion: 75 Resp: 23092
 Ion Ratio Lower Upper
 75 100
 77 33.2 0.0 74.6





#73

Bromobenzene

Concen: 4.91 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VX001815.D

Acq: 18 May 2018 08:40

Instrument :

MSVOA_X

ClientSampleId :

LOQ-NPW-Precision-Bias-4

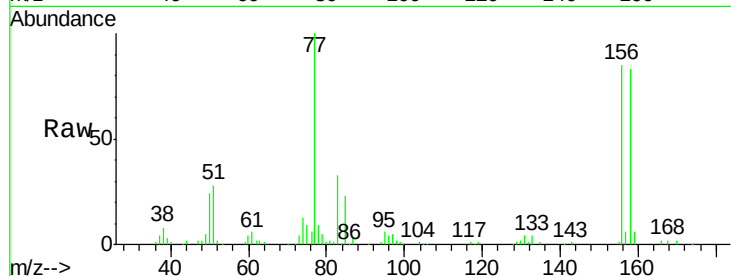
Tot Ion:156 Resp: 20893

Ion Ratio Lower Upper

156 100

77 125.0 0.0 261.8

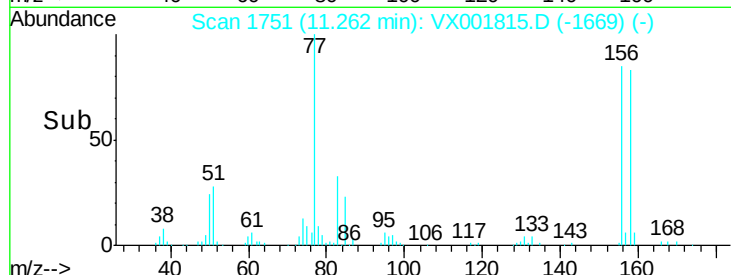
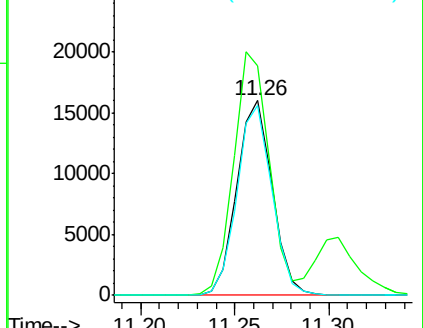
158 96.2 0.0 198.2



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 5.55 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX001815.D

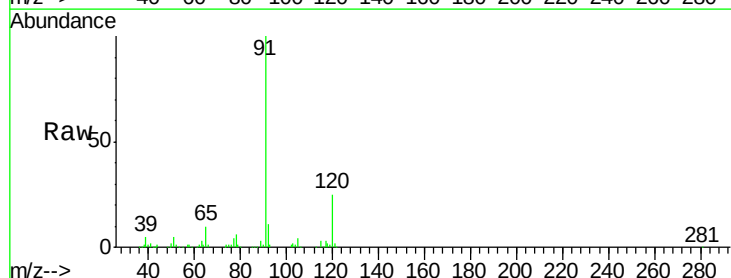
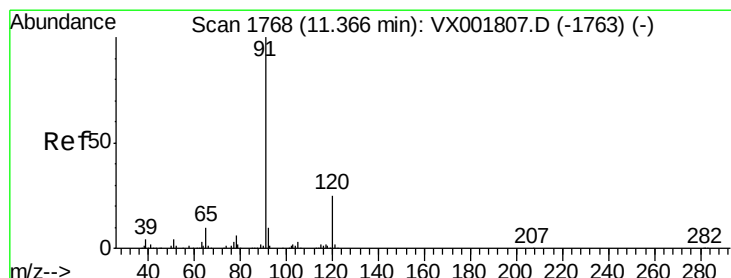
Acq: 18 May 2018 08:40

Tgt Ion: 91 Resp: 69305

Ion Ratio Lower Upper

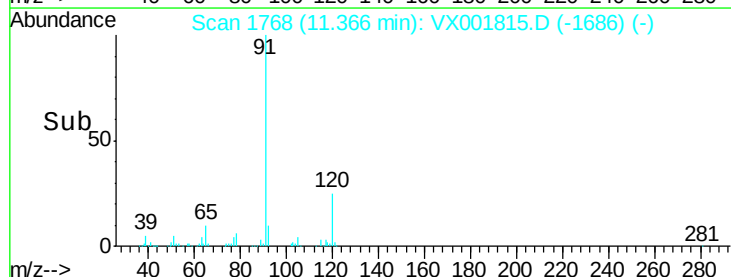
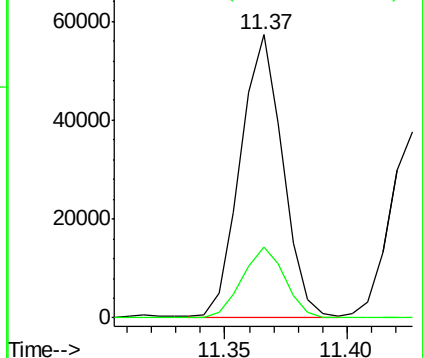
91 100

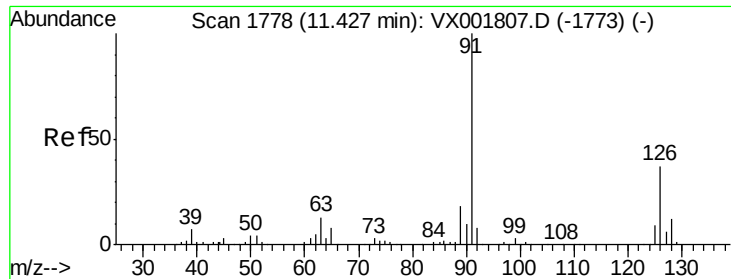
120 25.0 0.0 49.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 5.36 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX001815.D

Acq: 18 May 2018 08:40

Instrument :

MSVOA_X

ClientSampleId :

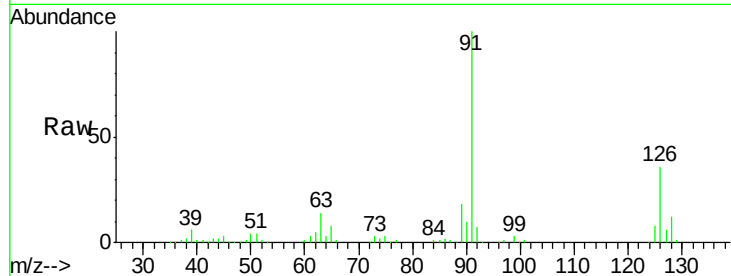
LOQ-NPW-Precision-Bias-4

Tot Ion: 91 Resp: 46070

Ion Ratio Lower Upper

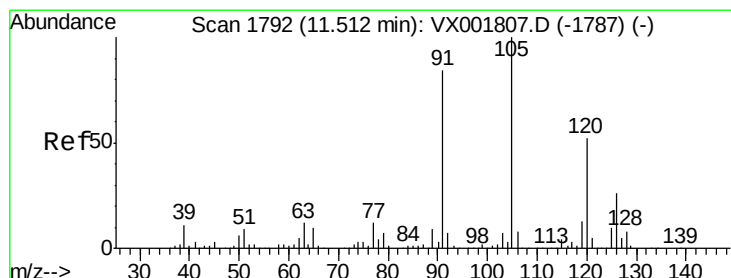
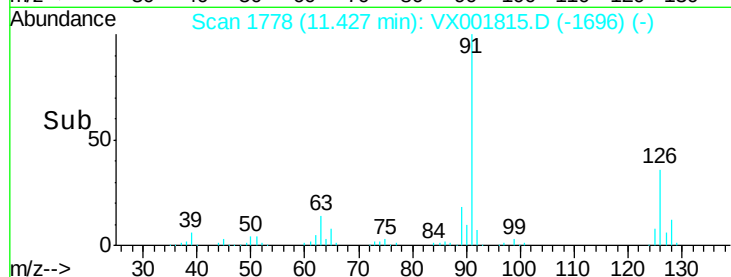
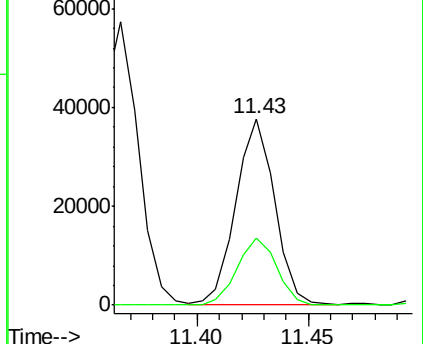
91 100

126 36.9 0.0 72.0



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: 5.30 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX001815.D

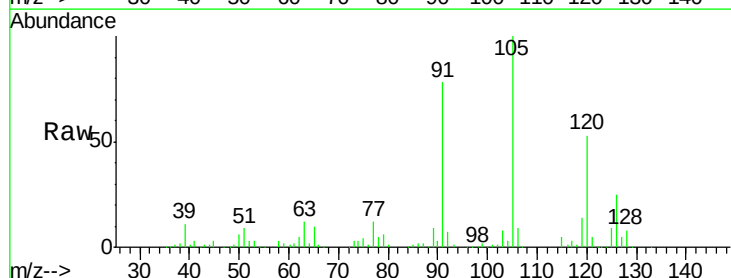
Acq: 18 May 2018 08:40

Tgt Ion:105 Resp: 52905

Ion Ratio Lower Upper

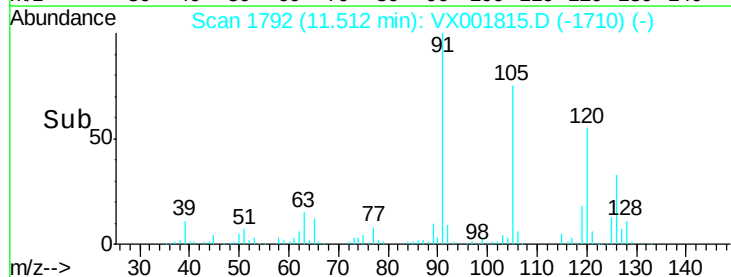
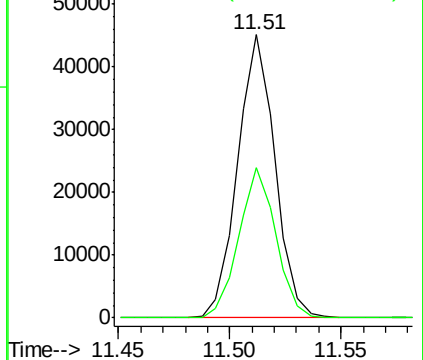
105 100

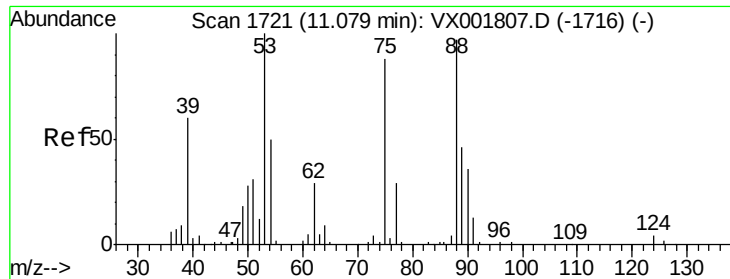
120 52.7 0.0 103.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

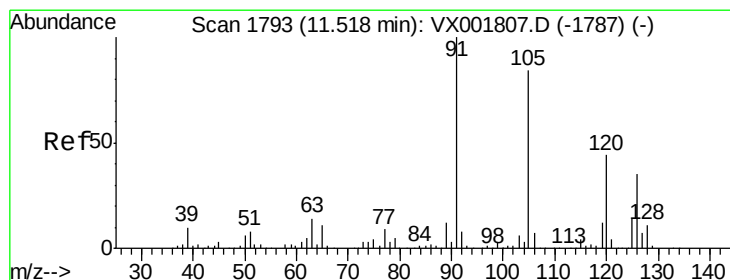
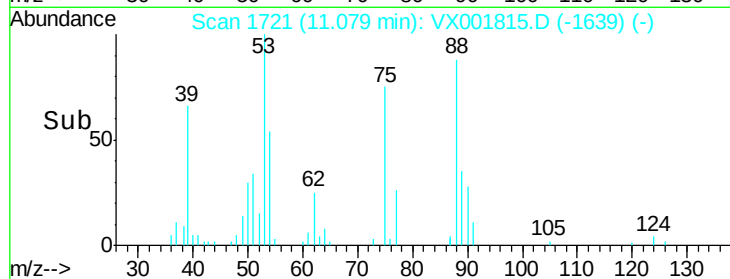
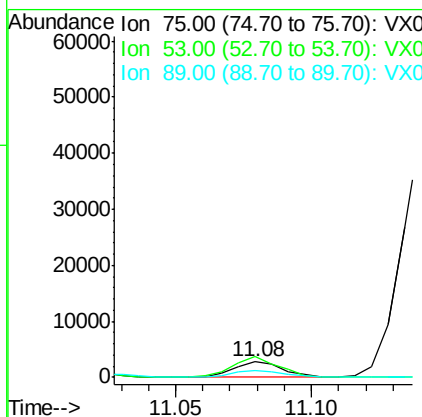
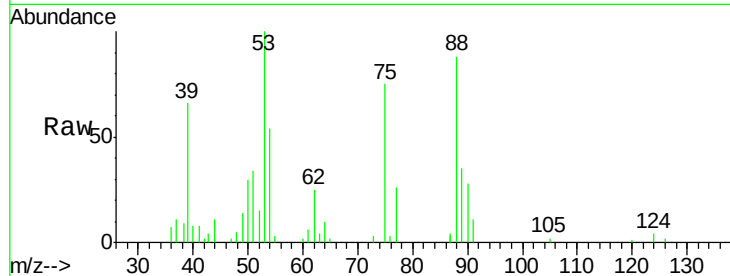




#77
t-1,4-Dichloro-2-butene
Concen: 3.23 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VX001815.D
Acq: 18 May 2018 08:40

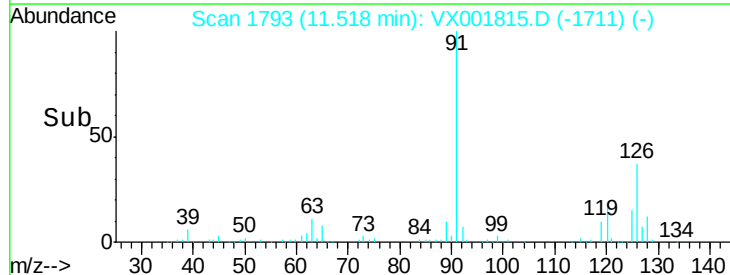
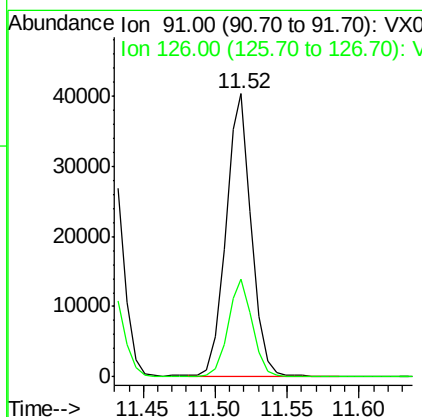
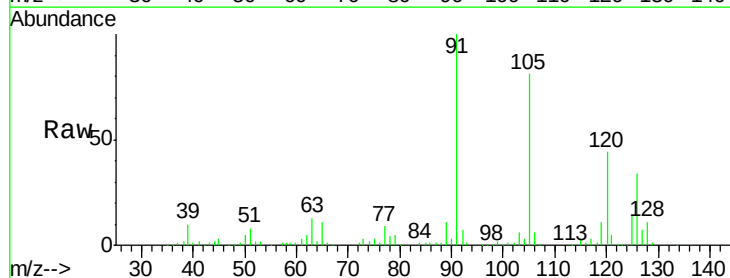
Instrument :
MSVOA_X
ClientSampleId :
LOQ-NPW-Precision-Bias-4

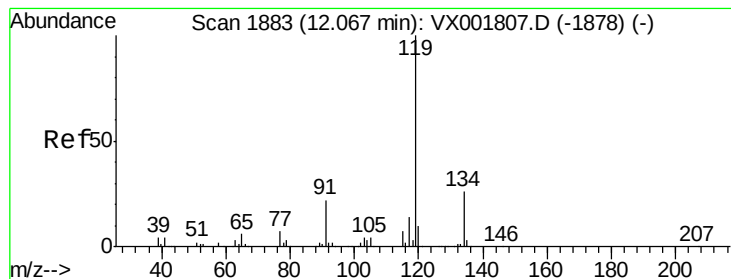
Tot Ion: 75 Resp: 3573
Ion Ratio Lower Upper
75 100
53 133.3 57.0 170.8
89 45.1 26.3 78.9



#78
4-Chlorotoluene
Concen: 5.27 ug/l
RT: 11.52 min Scan# 1793
Delta R.T. 0.00 min
Lab File: VX001815.D
Acq: 18 May 2018 08:40

Tgt Ion: 91 Resp: 50004
Ion Ratio Lower Upper
91 100
126 33.0 0.0 64.8





#79

tert-butylbenzene

Concen: 5.41 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX001815.D

Acq: 18 May 2018 08:40

Instrument :

MSVOA_X

ClientSampleId :

LOQ-NPW-Precision-Bias-4

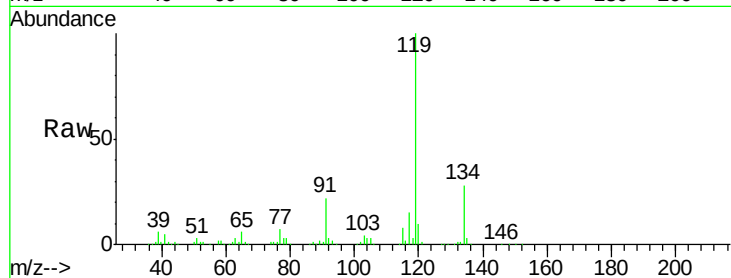
Tot Ion:119 Resp: 53228

Ion Ratio Lower Upper

119 100

91 21.6 0.0 43.2

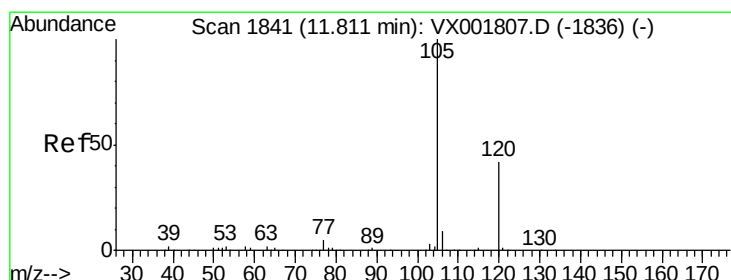
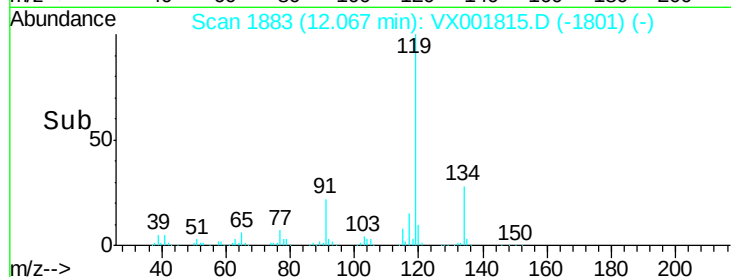
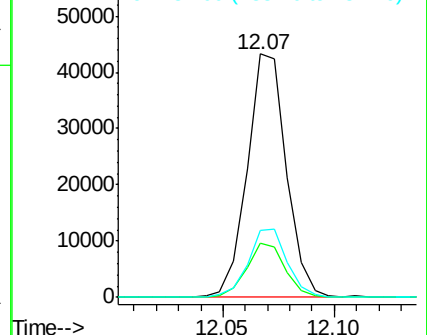
134 28.0 0.0 54.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#80

1,2,4-Trimethylbenzene

Concen: 5.17 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VX001815.D

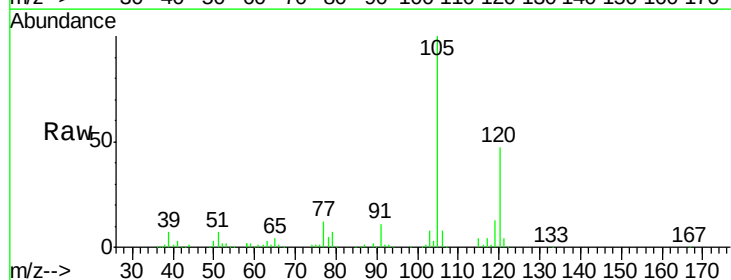
Acq: 18 May 2018 08:40

Tgt Ion:105 Resp: 53325

Ion Ratio Lower Upper

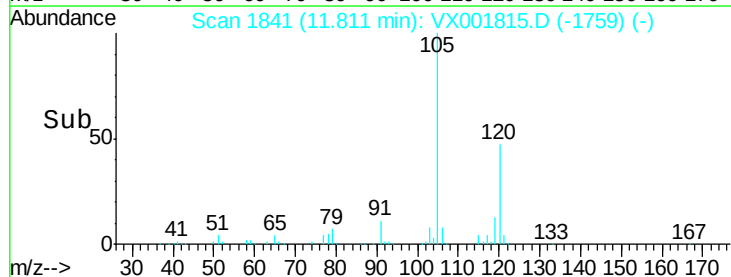
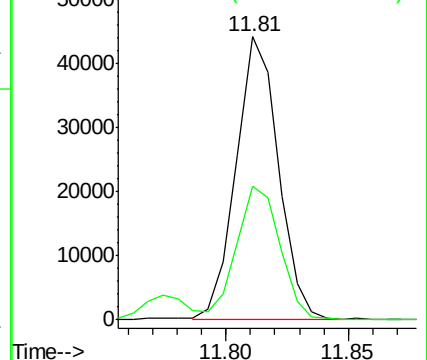
105 100

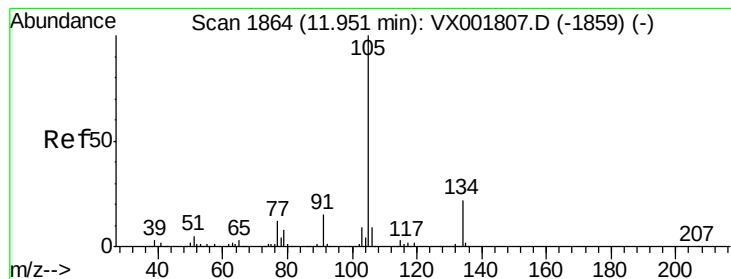
120 48.3 0.0 94.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

sec-Butylbenzene

Concen: 5.82 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX001815.D

Acq: 18 May 2018 08:40

Instrument :

MSVOA_X

ClientSampleId :

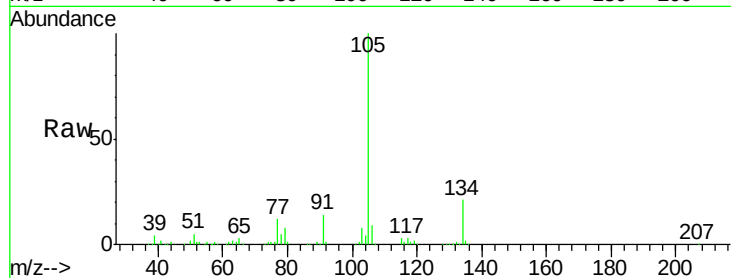
LOQ-NPW-Precision-Bias-4

Tot Ion:105 Resp: 62905

Ion Ratio Lower Upper

105 100

134 21.7 0.0 44.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.95

60000

50000

40000

30000

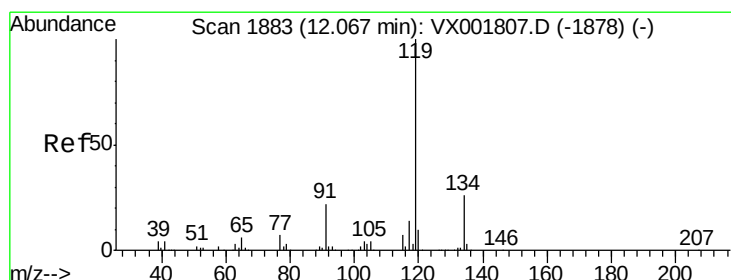
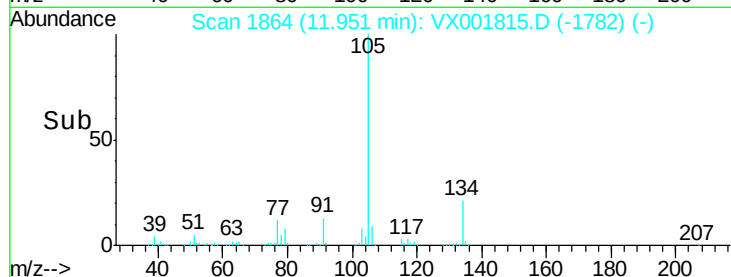
20000

10000

0

Time-->

11.90 11.95 12.00



#82

p-Isopropyltoluene

Concen: 5.41 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX001815.D

Acq: 18 May 2018 08:40

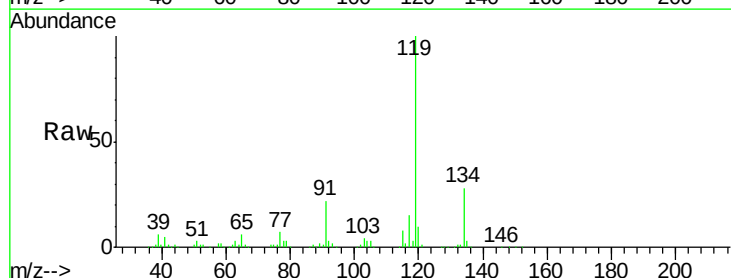
Tgt Ion:119 Resp: 53228

Ion Ratio Lower Upper

119 100

134 28.0 0.0 54.6

91 21.6 0.0 43.2



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): V

12.07

60000

50000

40000

30000

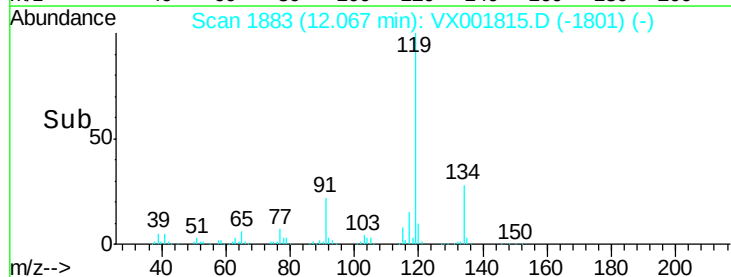
20000

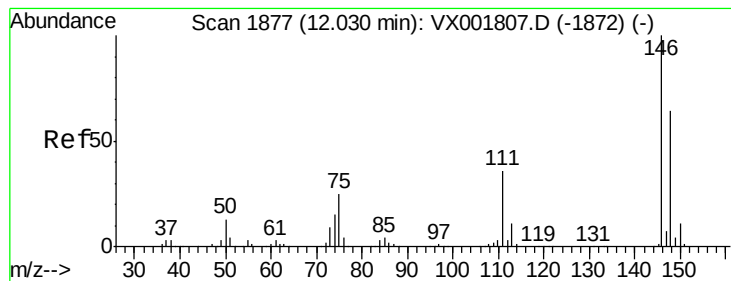
10000

0

Time-->

12.05 12.10





#83

1,3-Dichlorobenzene

Concen: 5.19 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX001815.D

Acq: 18 May 2018 08:40

Instrument :

MSVOA_X

ClientSampleId :

LOQ-NPW-Precision-Bias-4

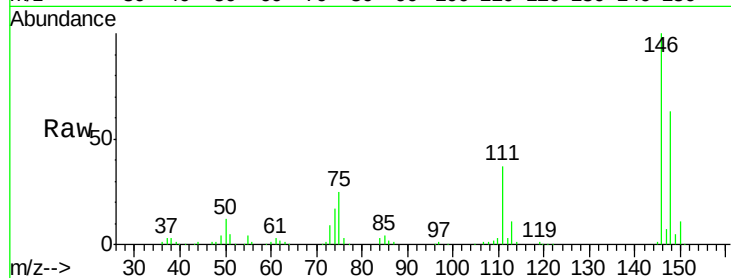
Tot Ion:146 Resp: 34378

Ion Ratio Lower Upper

146 100

111 36.0 18.0 54.0

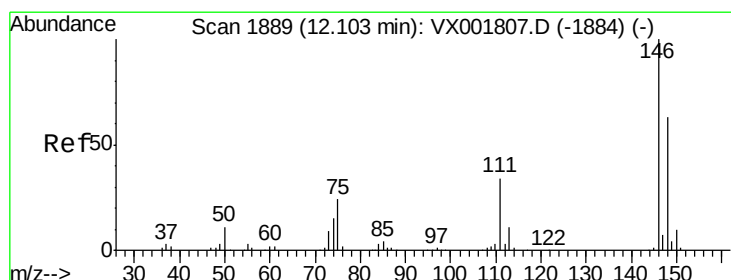
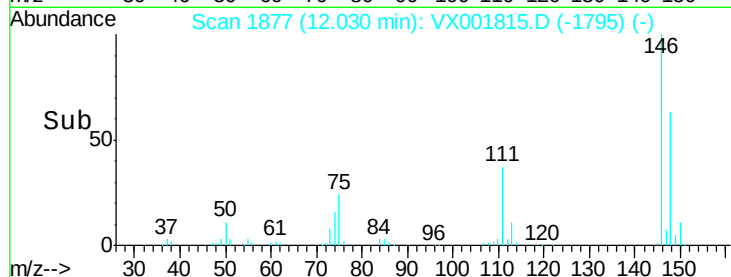
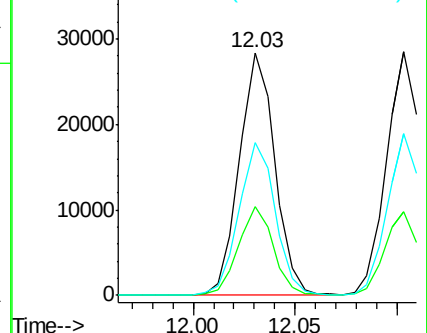
148 64.4 31.9 95.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#84

1,4-Dichlorobenzene

Concen: 5.21 ug/l

RT: 12.10 min Scan# 1889

Delta R.T. 0.00 min

Lab File: VX001815.D

Acq: 18 May 2018 08:40

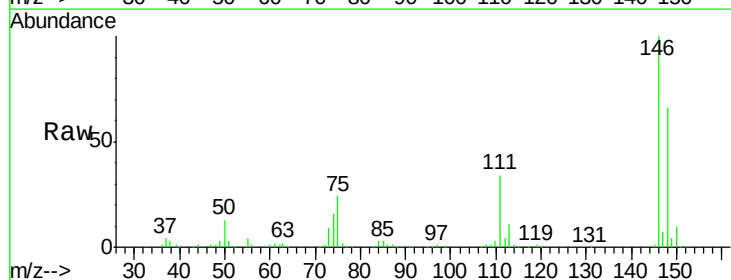
Tgt Ion:146 Resp: 34269

Ion Ratio Lower Upper

146 100

111 34.3 17.1 51.2

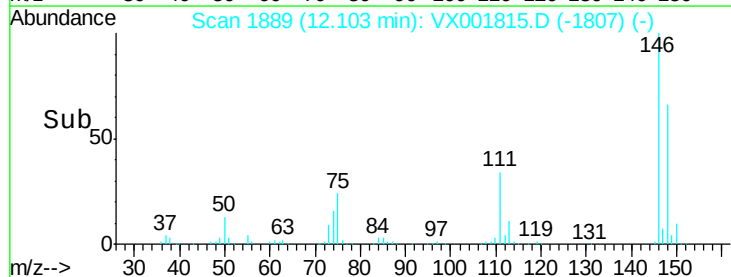
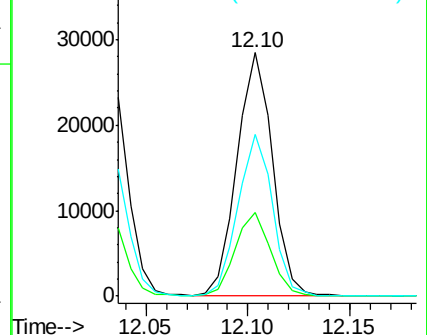
148 64.3 31.8 95.3

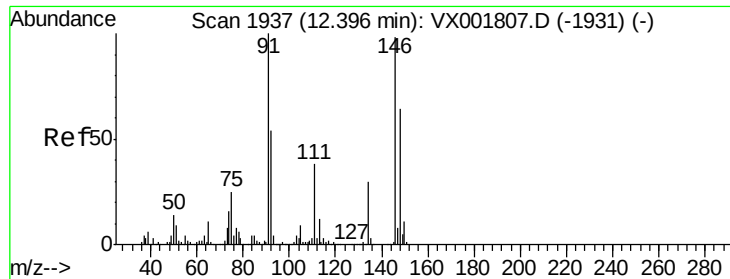


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

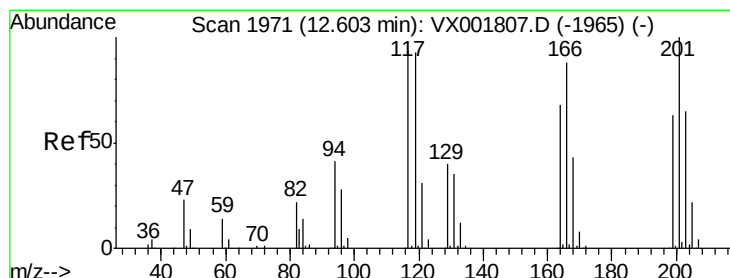
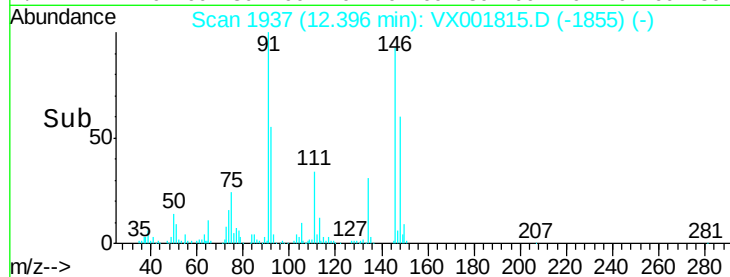
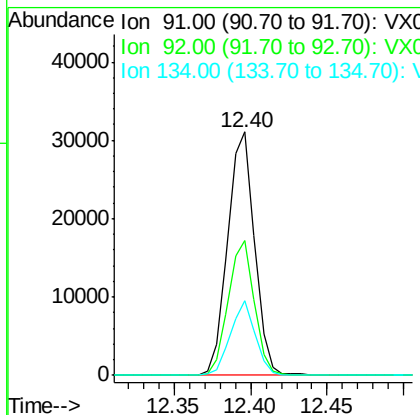
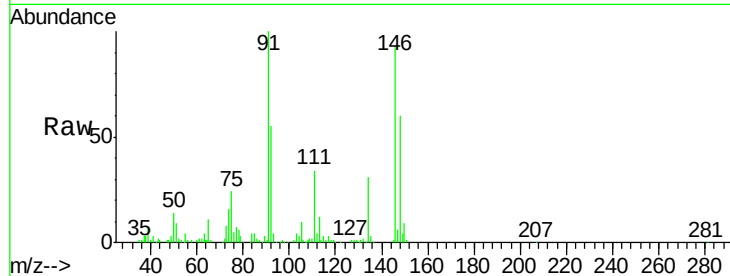




#85
n-Butylbenzene
Concen: 5.32 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VX001815.D
Acq: 18 May 2018 08:40

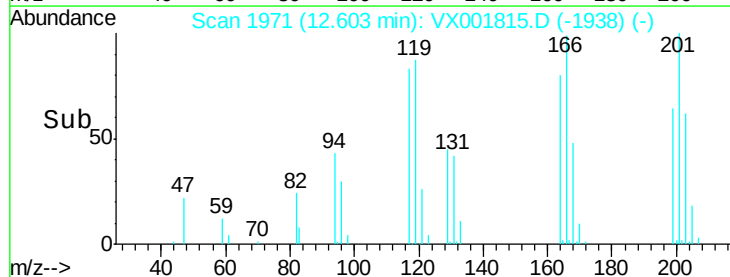
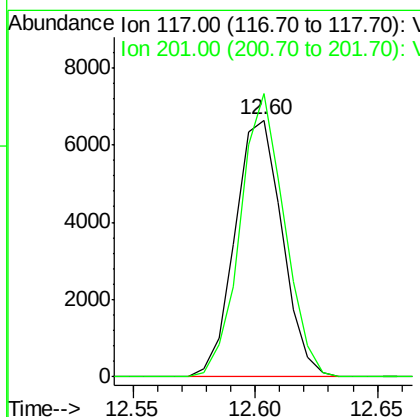
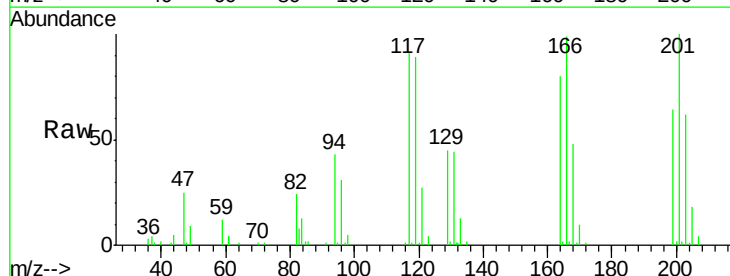
Instrument :
MSVOA_X
ClientSampleId :
LOQ-NPW-Precision-Bias-4

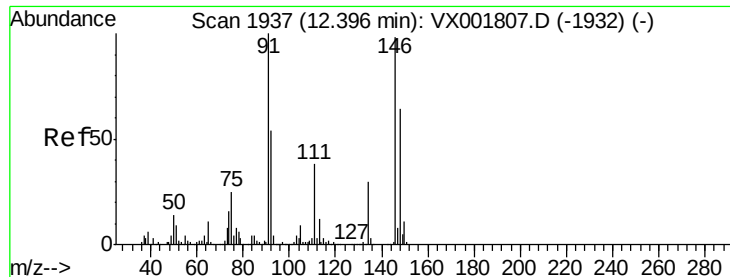
Tot Ion: 91 Resp: 38017
Ion Ratio Lower Upper
91 100
92 53.7 0.0 108.2
134 28.3 0.0 57.8



#86
Hexachloroethane
Concen: 5.46 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VX001815.D
Acq: 18 May 2018 08:40

Tgt Ion: 117 Resp: 8962
Ion Ratio Lower Upper
117 100
201 102.6 53.0 159.0

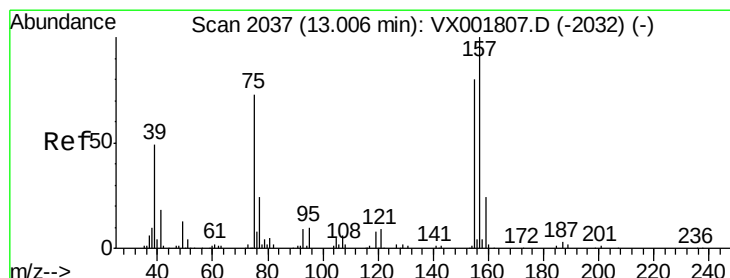
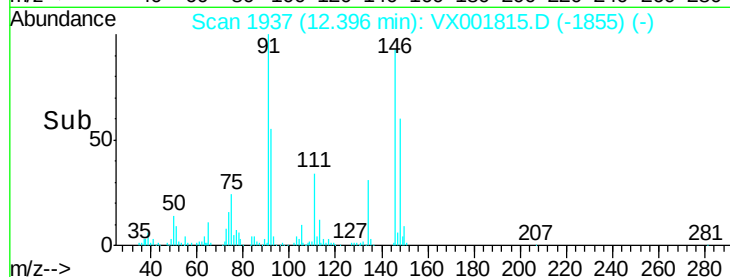
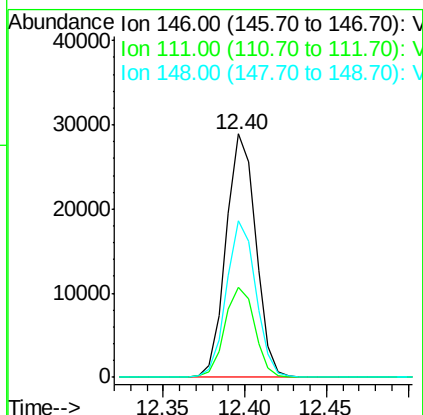
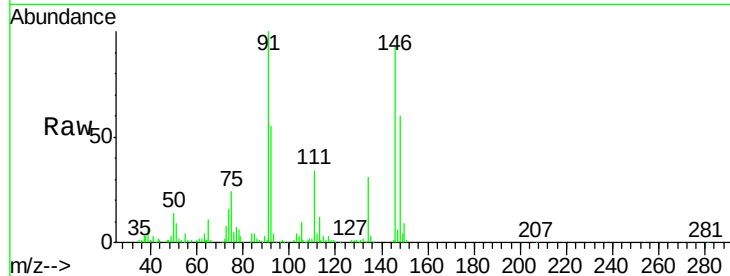




#87
 1,2-Dichlorobenzene
 Concen: 5.10 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX001815.D
 Acq: 18 May 2018 08:40

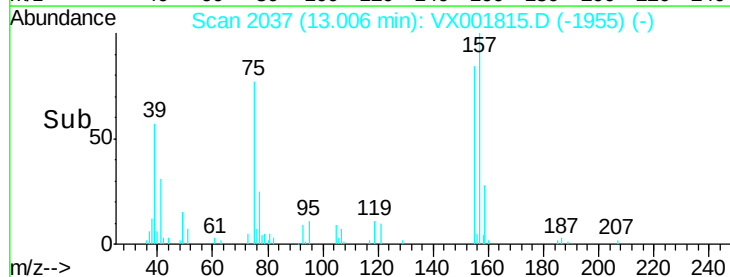
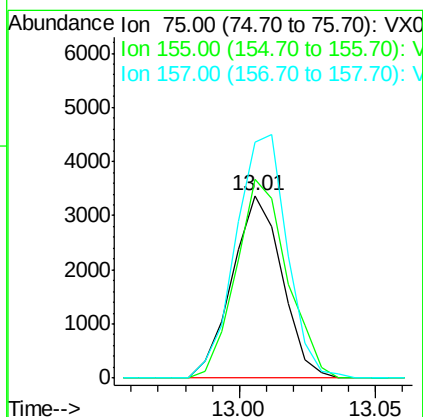
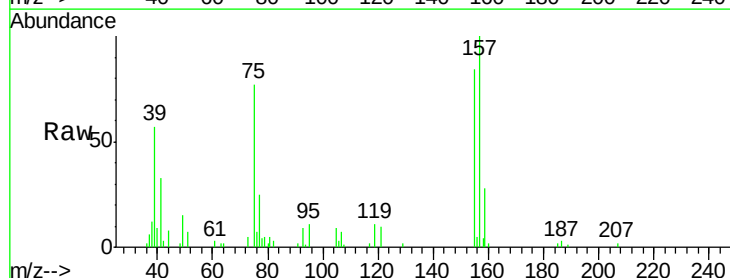
Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-NPW-Precision-Bias-4

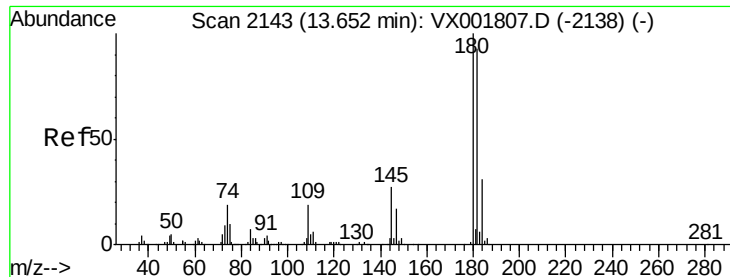
Tot Ion:146 Resp: 36719
 Ion Ratio Lower Upper
 146 100
 111 37.4 18.9 56.5
 148 63.8 32.9 98.7



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 3.71 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX001815.D
 Acq: 18 May 2018 08:40

Tgt Ion: 75 Resp: 4284
 Ion Ratio Lower Upper
 75 100
 155 111.5 88.5 132.7
 157 138.0 111.0 166.4

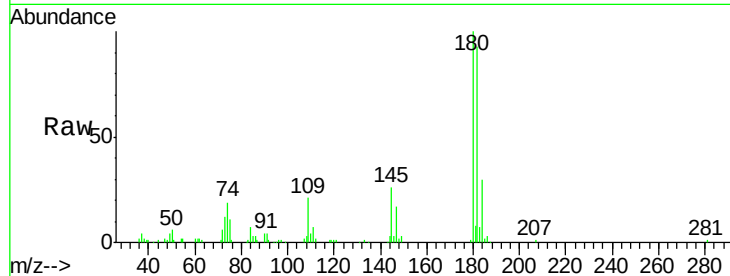




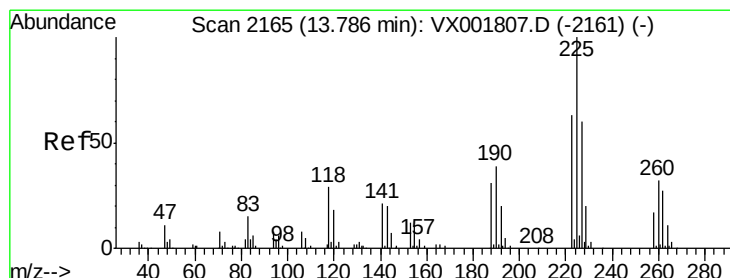
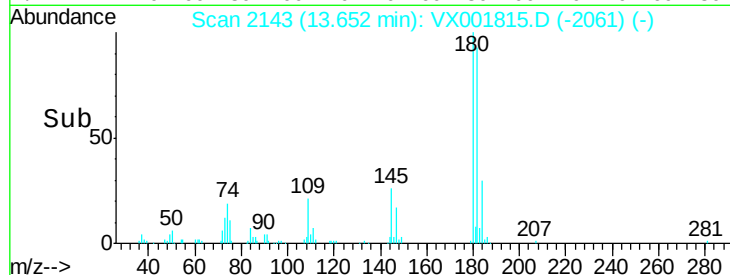
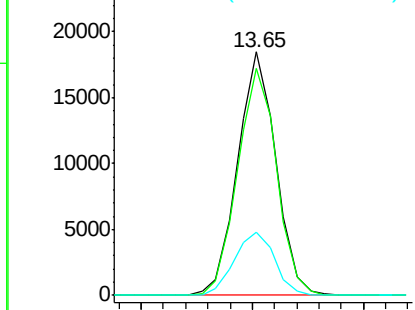
#89
 1,2,4-Trichlorobenzene
 Concen: 4.89 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX001815.D
 Acq: 18 May 2018 08:40

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-NPW-Precision-Bias-4

Tot Ion:180 Resp: 22163
 Ion Ratio Lower Upper
 180 100
 182 95.0 75.6 113.4
 145 27.3 21.6 32.4

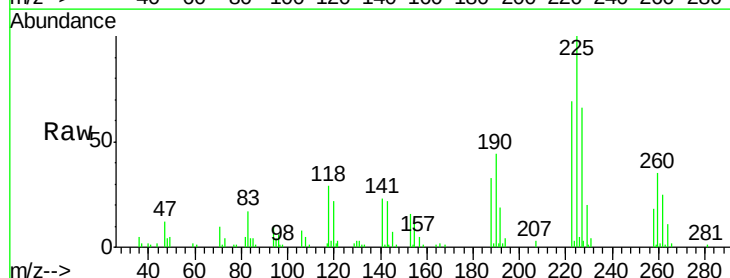


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

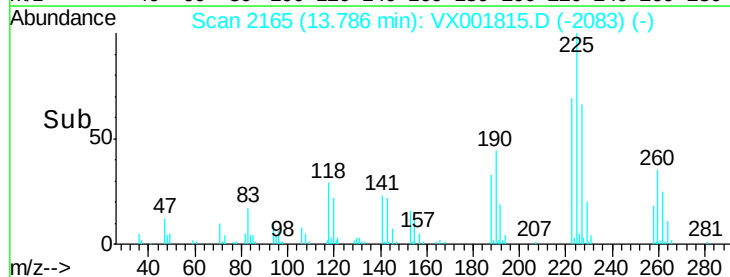
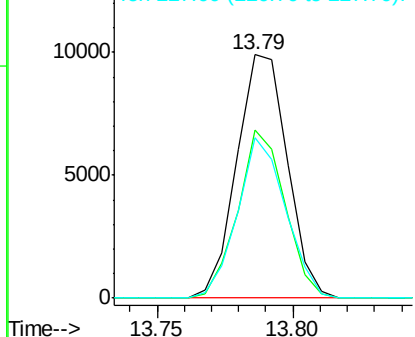


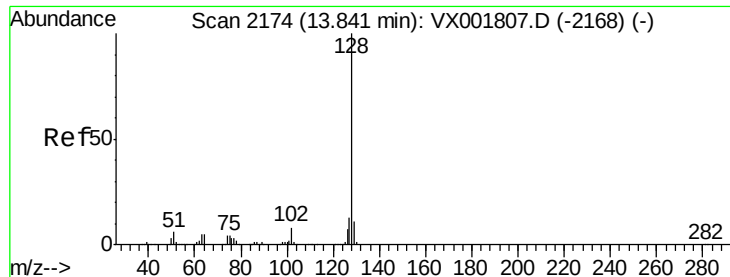
#90
 Hexachlorobutadiene
 Concen: 5.76 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX001815.D
 Acq: 18 May 2018 08:40

Tgt Ion:225 Resp: 12796
 Ion Ratio Lower Upper
 225 100
 223 64.3 0.0 123.6
 227 62.8 0.0 124.0



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

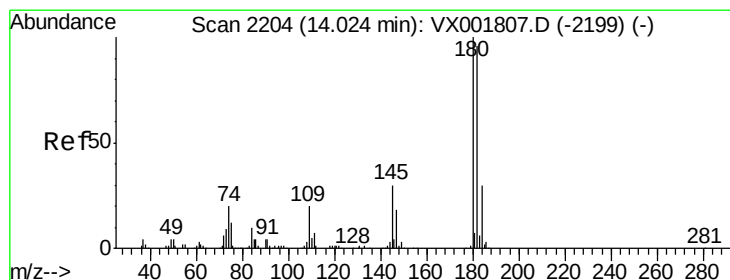
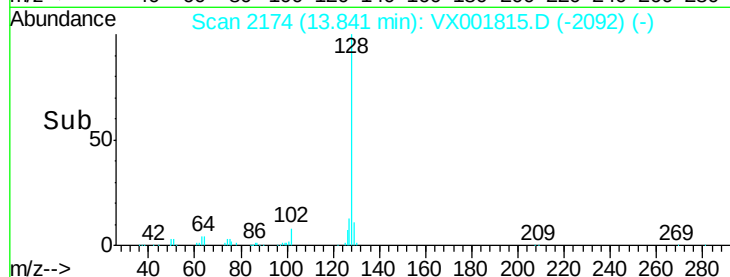
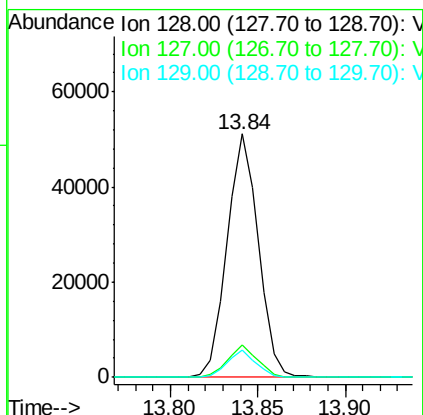
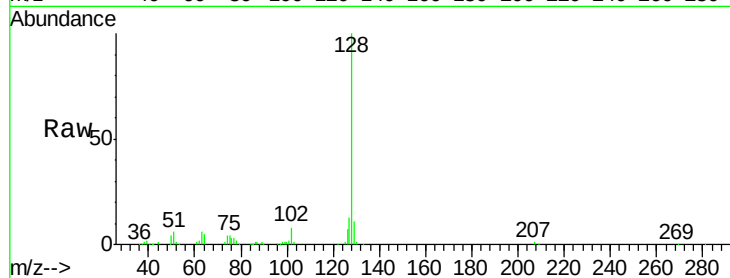




#91
Naphthalene
Concen: 4.02 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.00 min
Lab File: VX001815.D
Acq: 18 May 2018 08:40

Instrument :
MSVOA_X
ClientSampleId :
LOQ-NPW-Precision-Bias-4

Tot Ion:128 Resp: 63570
Ion Ratio Lower Upper
128 100
127 12.7 10.2 15.4
129 10.4 8.7 13.1



#92
1,2,3-Trichlorobenzene
Concen: 4.90 ug/l
RT: 14.03 min Scan# 2205
Delta R.T. 0.01 min
Lab File: VX001815.D
Acq: 18 May 2018 08:40

Tgt Ion:180 Resp: 24967
Ion Ratio Lower Upper
180 100
182 97.3 0.0 188.8
145 28.6 0.0 56.6

