

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071819\
 Data File : VX010964.D
 Acq On : 18 Jul 2019 17:19
 Operator : JC/SP
 Sample : K3884-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 19 01:35:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 17 06:57:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	235029	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	367181	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	350316	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	192873	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	125840	50.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.66%	
35) Dibromofluoromethane	5.50	113	112767	48.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.78%	
50) Toluene-d8	8.71	98	451163	51.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.22%	
62) 4-Bromofluorobenzene	11.13	95	173637	54.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	46	0.564	ug/l #	43
5) Bromomethane	1.67	94	496	0.399	ug/l #	35
6) Chloroethane	1.75	64	488	0.348	ug/l #	41
11) Tert butyl alcohol	3.02	59	3913	6.720	ug/l #	73
13) Acrolein	2.40	56	26883	79.905	ug/l #	79
14) Allyl chloride	2.85	41	87722	28.848	ug/l #	62
15) Acrylonitrile	3.17	53	26380	22.419	ug/l #	38
16) Acetone	2.40	43	72078	63.827	ug/l #	50
18) Methyl Acetate	2.85	43	209911	81.633	ug/l #	48
20) Methylene Chloride	2.85	84	539	0.225	ug/l #	1
25) 2-Butanone	4.56	43	8572	5.288	ug/l #	46
26) 2,2-Dichloropropane	4.40	77	15039	4.918	ug/l #	50
29) Tetrahydrofuran	5.12	42	228	0.222	ug/l #	29
30) Chloroform	5.28	83	2148	0.534	ug/l #	12
31) Cyclohexane	5.59	56	1743341	513.518	ug/l	99
36) 1,1-Dichloropropene	5.66	75	15909	5.275	ug/l #	49
38) Carbon Tetrachloride	5.67	117	21676	6.897	ug/l #	17
39) Methylcyclohexane	7.46	83	1613381	412.498	ug/l	98
41) Methacrylonitrile	5.07	41	664	0.379	ug/l #	19
43) Isopropyl Acetate	6.46	43	15675	3.087	ug/l #	63
45) 1,2-Dichloropropane	7.46	63	15485	6.585	ug/l #	1
47) Bromodichloromethane	7.85	83	1834	0.613	ug/l #	21
48) Methyl methacrylate	7.73	41	49328	19.940	ug/l #	52
49) 1,4-Dioxane	7.76	88	40	0.578	ug/l #	28
51) 4-Methyl-2-Pentanone	8.66	43	10922	3.318	ug/l #	41
52) Toluene	8.78	92	223549	36.833	ug/l	100
53) t-1,3-Dichloropropene	8.78	75	2768	0.861	ug/l #	1
55) 1,1,2-Trichloroethane	9.16	97	74810	29.936	ug/l #	18
56) Ethyl methacrylate	9.16	69	15025	4.110	ug/l #	1
67) Ethyl Benzene	10.25	91	1974042	161.184	ug/l	100
68) m/p-Xylenes	10.36	106	3123201	664.810	ug/l	99
69) o-Xylene	10.69	106	727589	158.692	ug/l	98
70) Styrene	10.69	104	37119	4.857	ug/l #	1
73) Isopropylbenzene	11.02	105	684022	52.486	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071819\
 Data File : VX010964.D
 Acq On : 18 Jul 2019 17:19
 Operator : JC/SP
 Sample : K3884-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 19 01:35:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 17 06:57:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

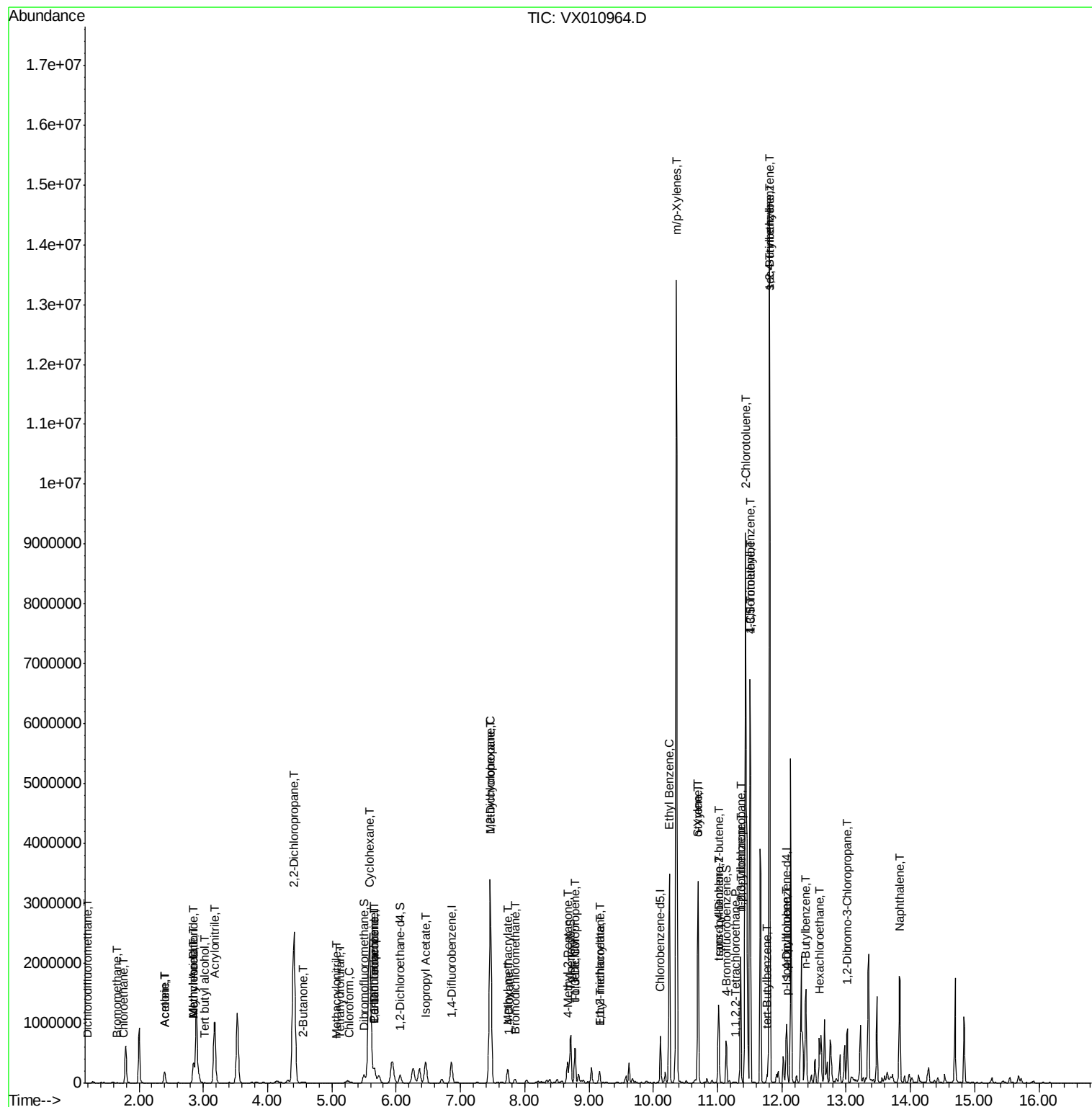
75) 1,1,2,2-Tetrachloroethane	11.28	83	1019	0.239	ug/l #	26
76) 1,2,3-Trichloropropane	11.36	75	8494	2.440	ug/l #	1
78) n-propylbenzene	11.36	91	1285088	89.244	ug/l	99
79) 2-Chlorotoluene	11.43	91	804153	92.963	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.51	105	2815550	258.547	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.02	75	7928	9.291	ug/l #	65
82) 4-Chlorotoluene	11.51	91	307082	30.501	ug/l #	43
83) tert-Butylbenzene	11.77	119	57365	5.363	ug/l	90
84) 1,2,4-Trimethylbenzene	11.81	105	6513379	593.425	ug/l	98
85) sec-Butylbenzene	11.81	105	6513379	519.673	ug/l #	55
86) p-Isopropyltoluene	12.06	119	108399	9.355	ug/l	99
89) n-Butylbenzene	12.38	91	243123	24.525	ug/l #	30
90) Hexachloroethane	12.58	117	33019	18.067	ug/l #	6
92) 1,2-Dibromo-3-Chloropropan	13.02	75	2967	3.328	ug/l #	1
95) Naphthalene	13.83	128	1137965	91.970	ug/l	100

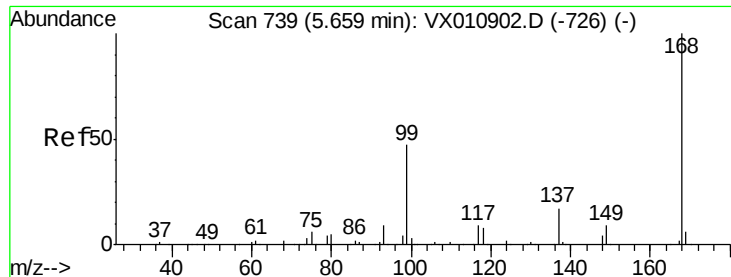
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX071819\
Data File : VX010964.D
Acq On : 18 Jul 2019 17:19
Operator : JC/SP
Sample : K3884-04
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Jul 19 01:35:16 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
Quant Title : SW846 8260
QLast Update : Wed Jul 17 06:57:45 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX010964.D

Acq: 18 Jul 2019 17:19

Instrument :

MSVOA_X

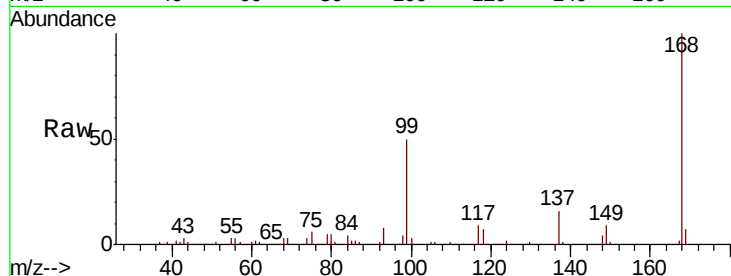
ClientSampled :

Tot Ion:168 Resp: 235029

Ion Ratio Lower Upper

168 100

99 50.2 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

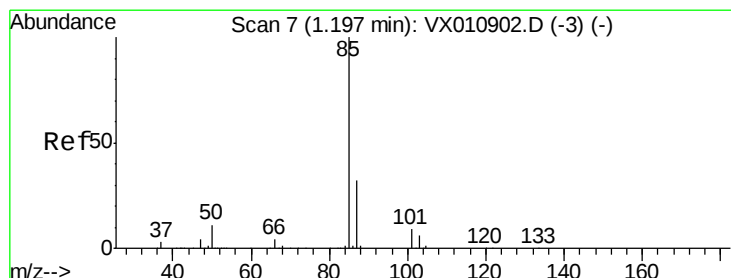
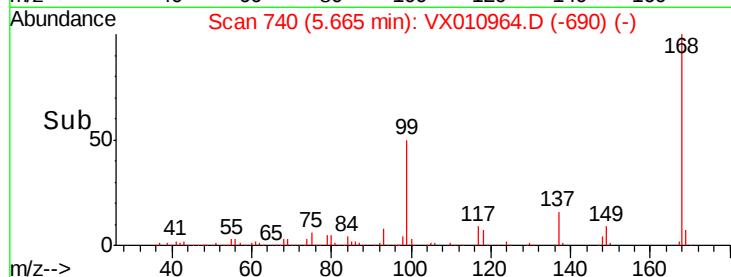
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 0.564 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX010964.D

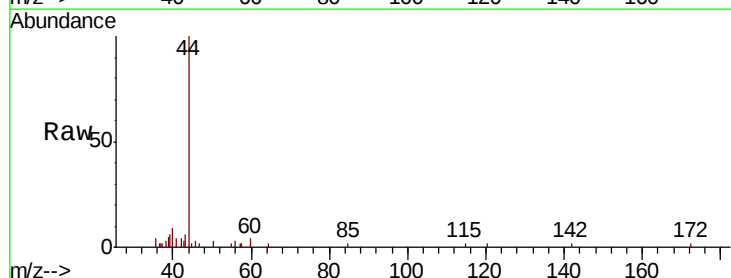
Acq: 18 Jul 2019 17:19

Tgt Ion: 85 Resp: 46

Ion Ratio Lower Upper

85 100

87 0.0 15.9 47.7#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

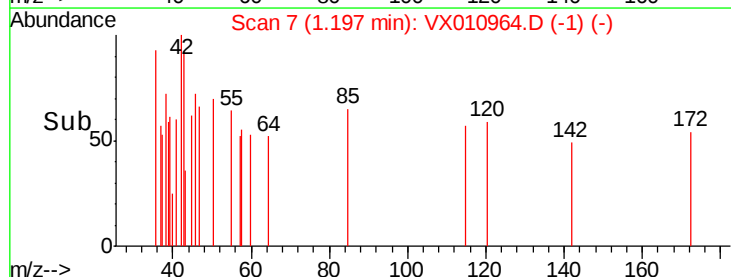
60

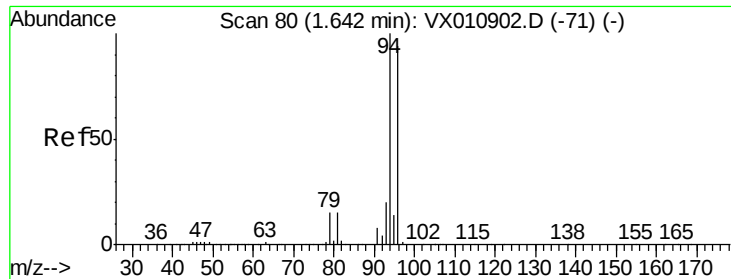
40

20

0

Time--> 1.18 1.20 1.22





#5

Bromomethane

Concen: 0.399 ug/l

RT: 1.67 min Scan# 84

Delta R.T. 0.02 min

Lab File: VX010964.D

Acq: 18 Jul 2019 17:19

Instrument :

MSVOA_X

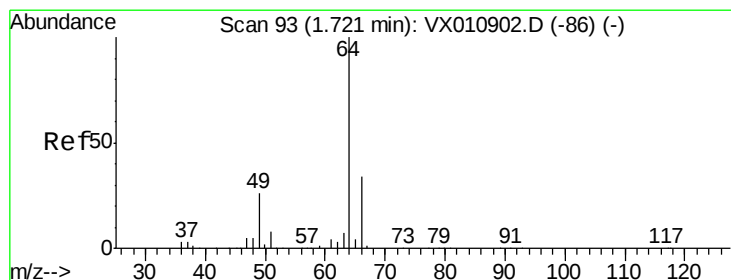
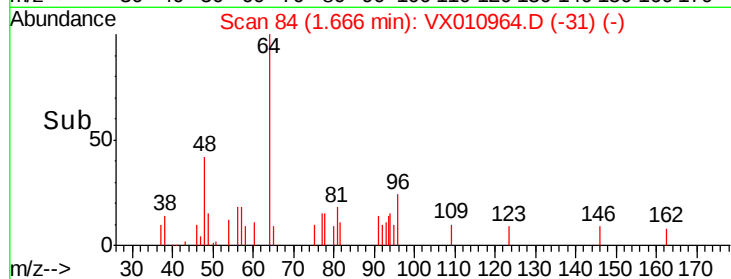
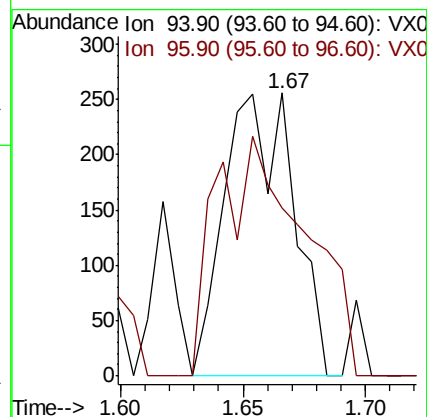
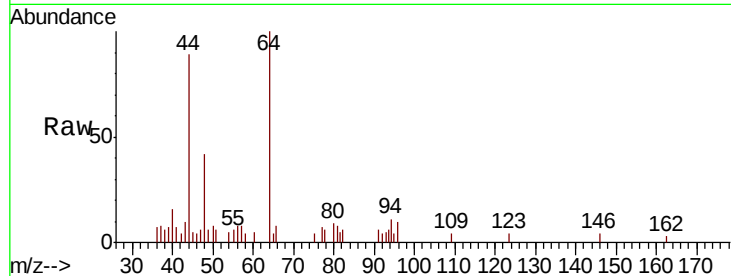
ClientSampled :

Tot Ion: 94 Resp: 496

Ion Ratio Lower Upper

94 100

96 32.0 75.6 113.4#



#6

Chloroethane

Concen: 0.348 ug/l

RT: 1.75 min Scan# 97

Delta R.T. 0.02 min

Lab File: VX010964.D

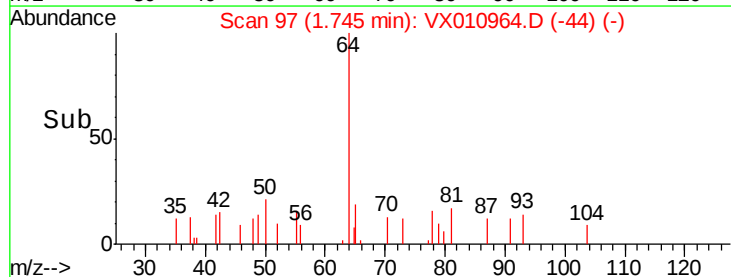
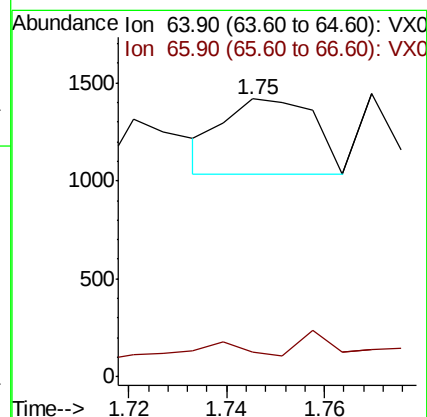
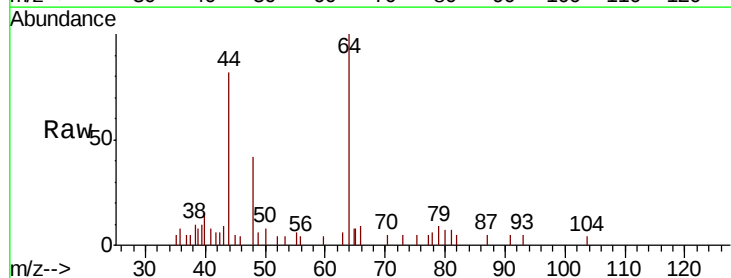
Acq: 18 Jul 2019 17:19

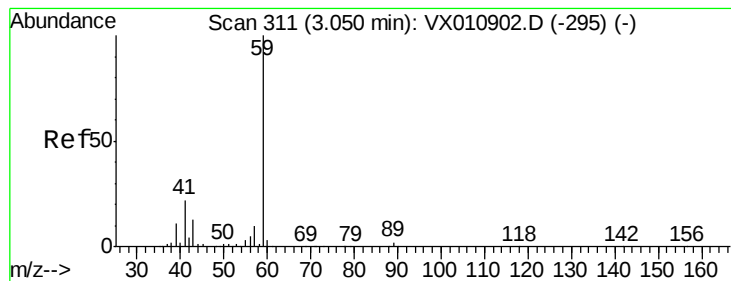
Tgt Ion: 64 Resp: 488

Ion Ratio Lower Upper

64 100

66 0.0 27.0 40.6#



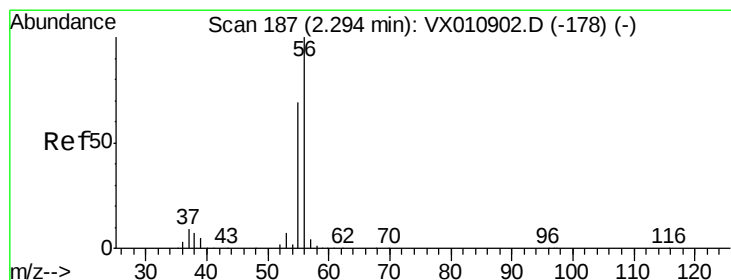
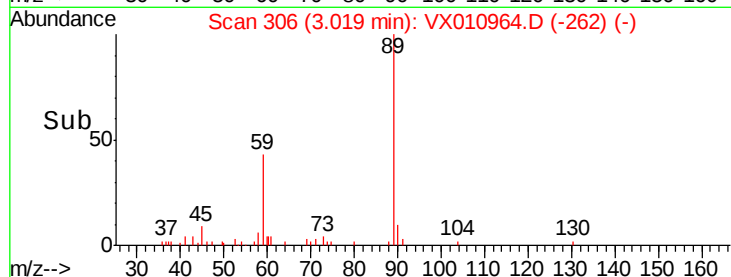
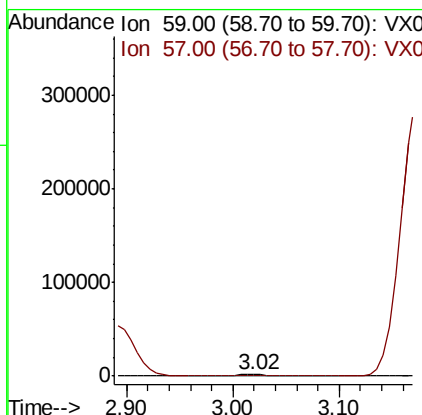
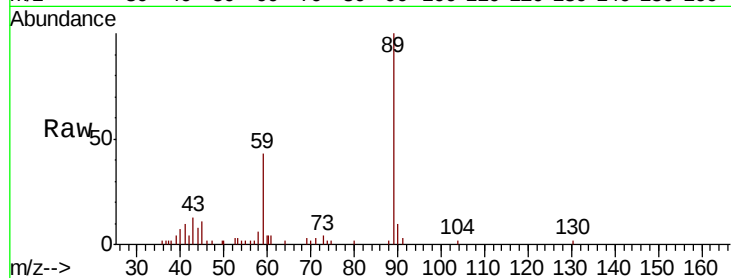


#11

Tert butyl alcohol
 Concen: 6.720 ug/l
 RT: 3.02 min Scan# 306
 Delta R.T. -0.03 min
 Lab File: VX010964.D
 Acq: 18 Jul 2019 17:19

Instrument :
 MSVOA_X
 ClientSampleId :

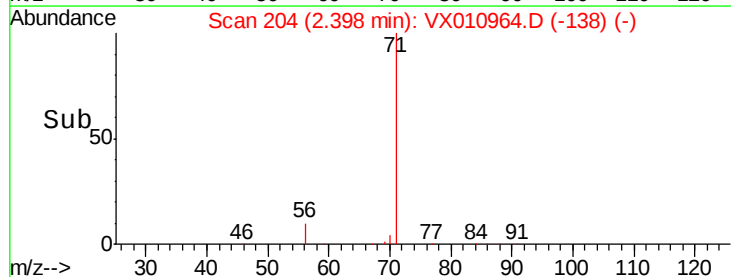
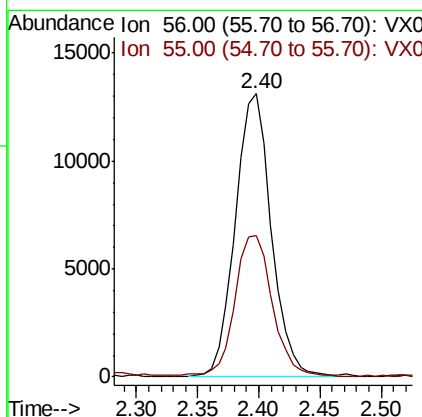
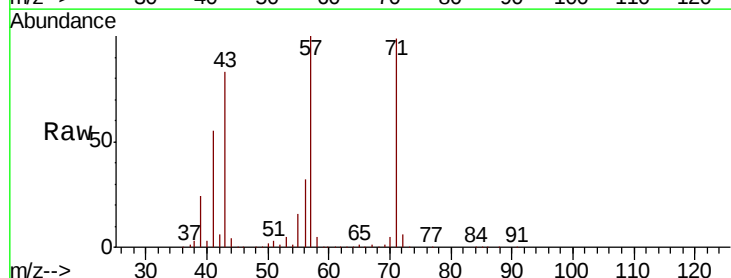
Tot Ion: 59 Resp: 3913
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.9 11.9#

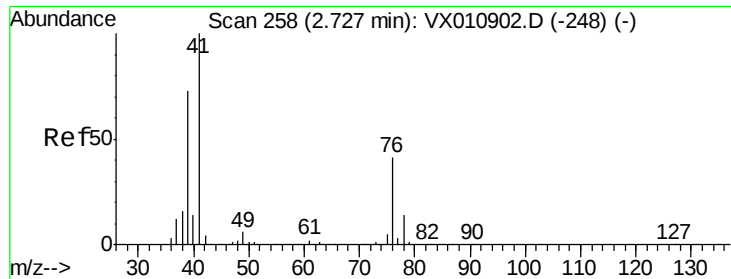


#13

Acrolein
 Concen: 79.905 ug/l
 RT: 2.40 min Scan# 204
 Delta R.T. 0.10 min
 Lab File: VX010964.D
 Acq: 18 Jul 2019 17:19

Tgt Ion: 56 Resp: 26883
 Ion Ratio Lower Upper
 56 100
 55 52.3 55.9 83.9#

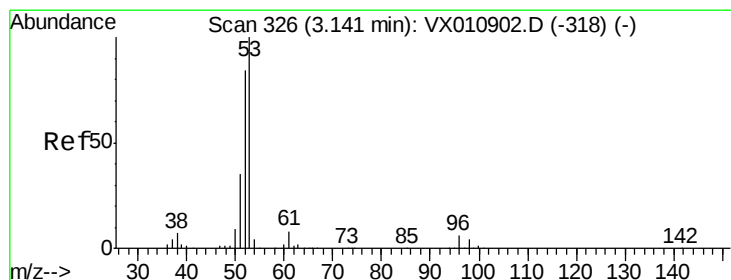
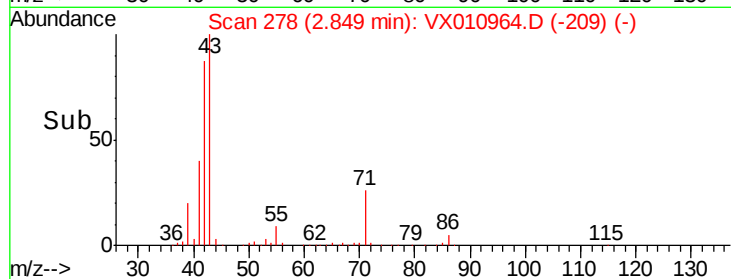
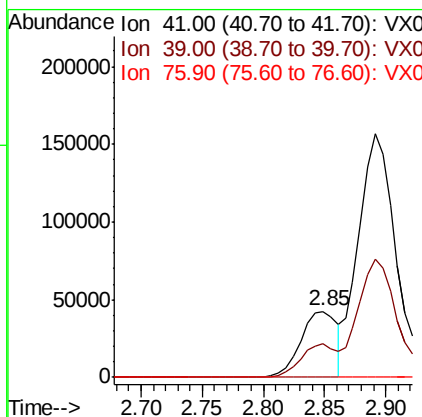
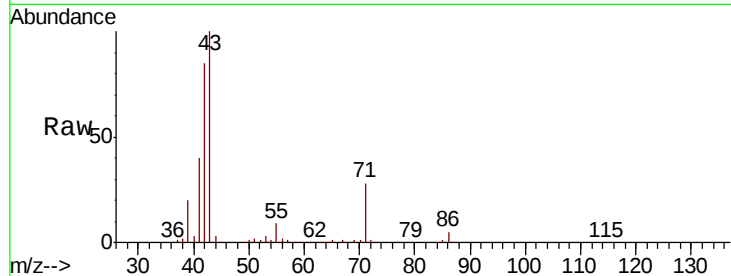




#14
 Allvl chloride
 Concen: 28.848 ug/l
 RT: 2.85 min Scan# 278
 Delta R.T. 0.12 min
 Lab File: VX010964.D
 Acq: 18 Jul 2019 17:19

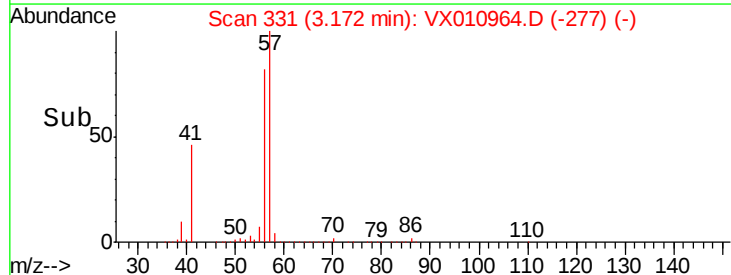
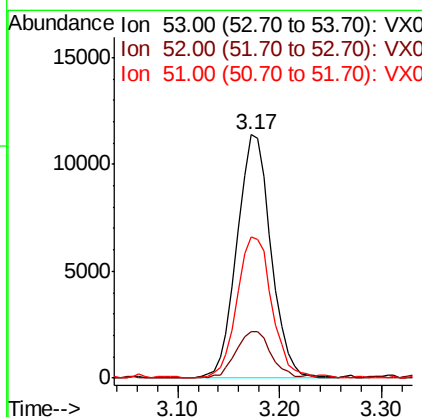
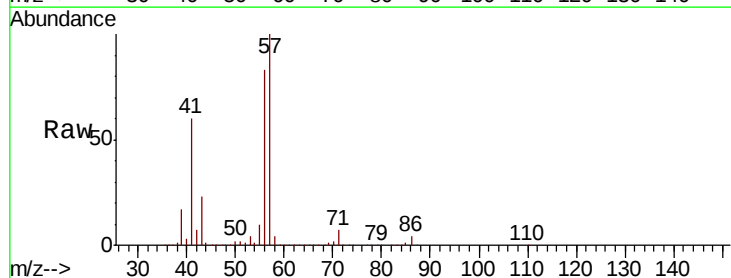
Instrument :
 MSVOA_X
 ClientSampleId :

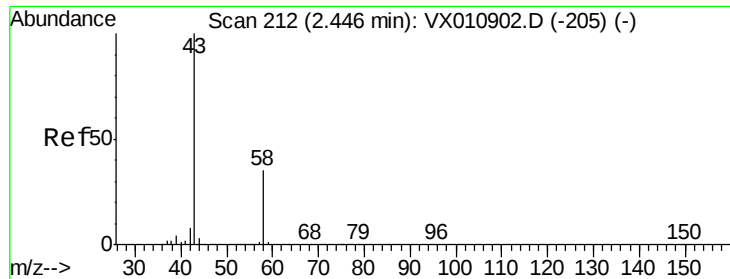
Tot Ion: 41 Resp: 87722
 Ion Ratio Lower Upper
 41 100
 39 47.9 53.6 80.4#
 76 0.0 29.7 44.5#



#15
 Acrylonitrile
 Concen: 22.419 ug/l
 RT: 3.17 min Scan# 331
 Delta R.T. 0.03 min
 Lab File: VX010964.D
 Acq: 18 Jul 2019 17:19

Tgt Ion: 53 Resp: 26380
 Ion Ratio Lower Upper
 53 100
 52 20.3 66.5 99.7#
 51 60.0 28.2 42.4#





#16

Acetone

Concen: 63.827 ug/l

RT: 2.40 min Scan# 204

Delta R.T. -0.05 min

Lab File: VX010964.D

Acq: 18 Jul 2019 17:19

Instrument :

MSVOA_X

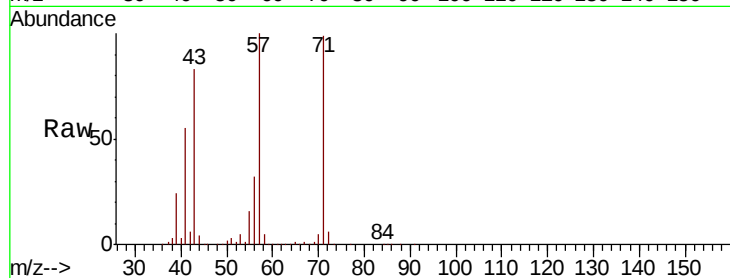
ClientSampleId :

Tot Ion: 43 Resp: 72078

Ion Ratio Lower Upper

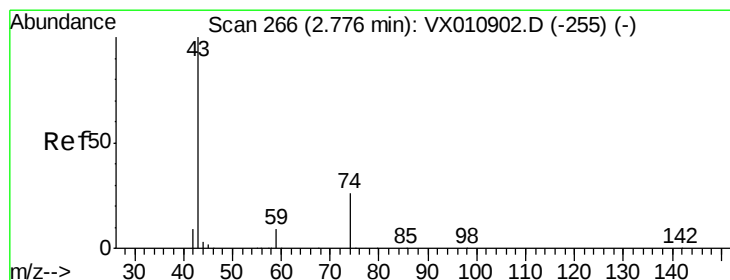
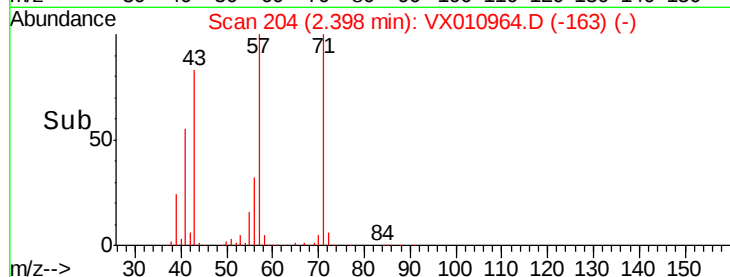
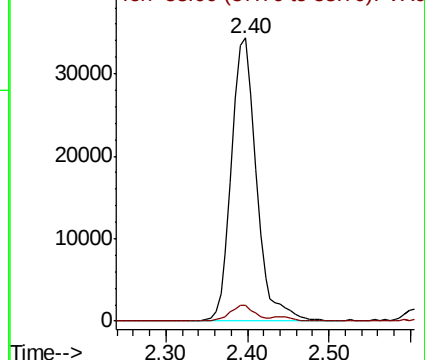
43 100

58 5.6 27.7 41.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#18

Methyl Acetate

Concen: 81.633 ug/l

RT: 2.85 min Scan# 278

Delta R.T. 0.07 min

Lab File: VX010964.D

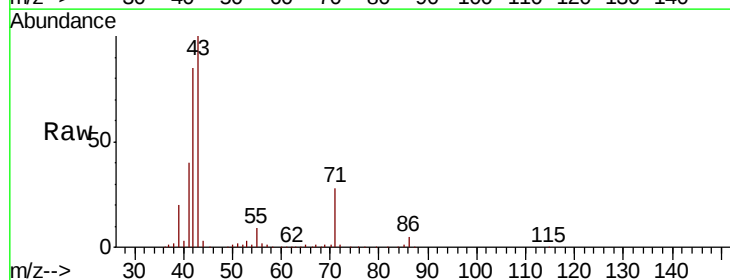
Acq: 18 Jul 2019 17:19

Tgt Ion: 43 Resp: 209911

Ion Ratio Lower Upper

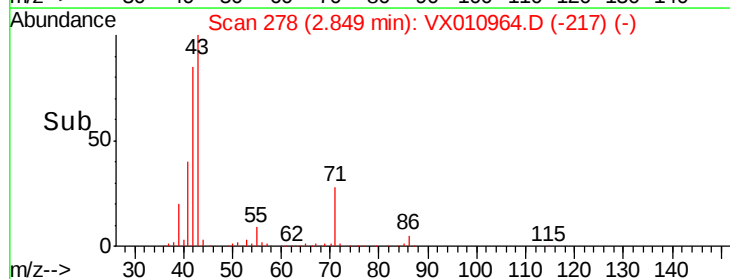
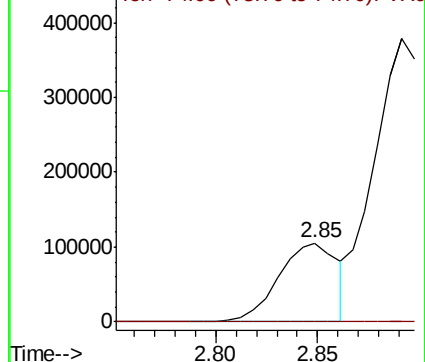
43 100

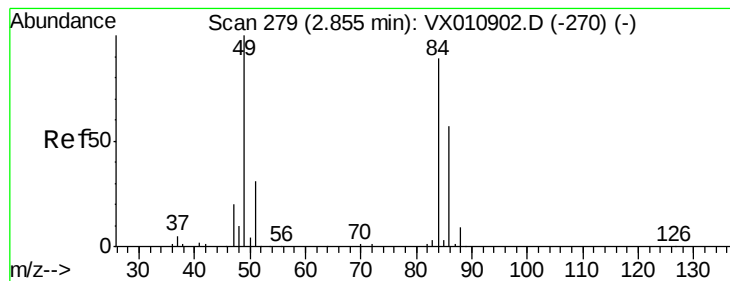
74 0.0 21.5 32.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#20

Methvlene Chloride

Concen: 0.225 ug/l

RT: 2.85 min Scan# 278

Delta R.T. -0.01 min

Lab File: VX010964.D

Acq: 18 Jul 2019 17:19

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 84 Resp: 539

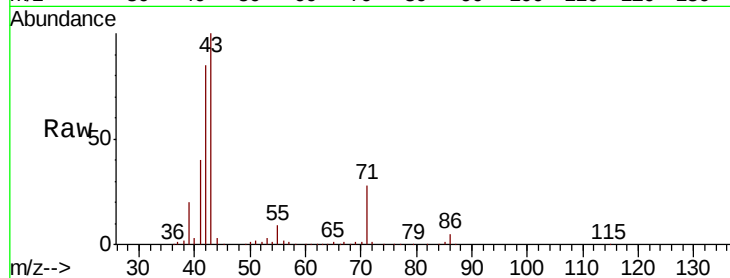
Ion Ratio Lower Upper

84 100

49 56.4 89.9 134.9#

51 685.2 27.8 41.6#

86 1838.1 51.8 77.6#

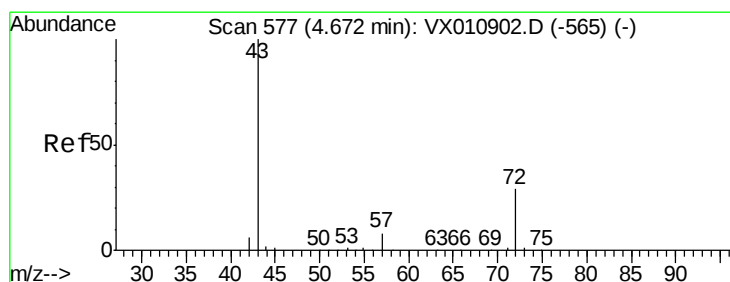
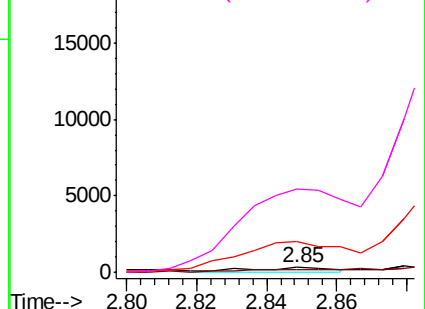
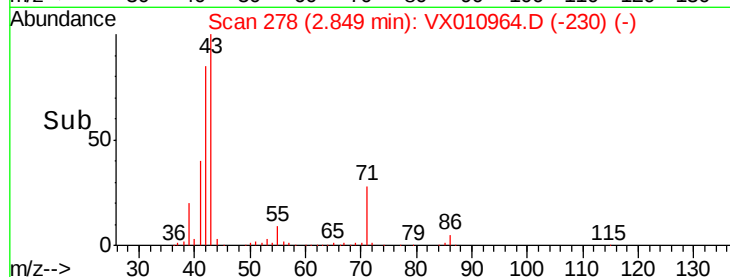


Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#25

2-Butanone

Concen: 5.288 ug/l

RT: 4.56 min Scan# 559

Delta R.T. -0.11 min

Lab File: VX010964.D

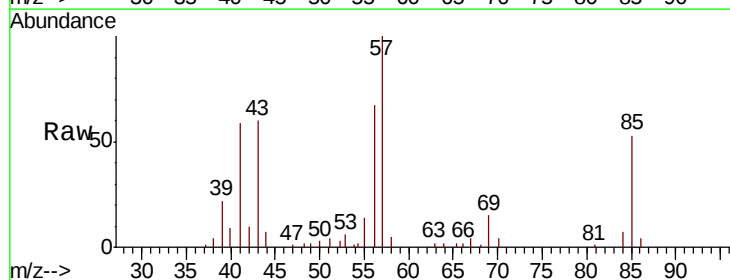
Acq: 18 Jul 2019 17:19

Tgt Ion: 43 Resp: 8572

Ion Ratio Lower Upper

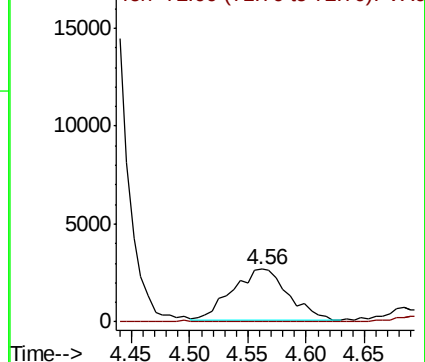
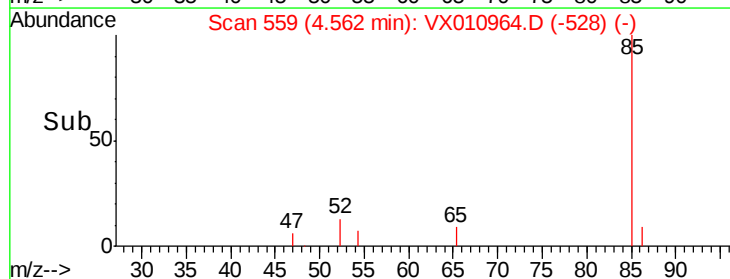
43 100

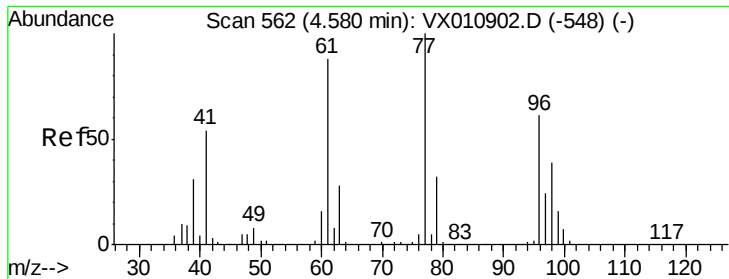
72 0.0 23.0 34.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#26

2,2-Dichloropropane

Concen: 4.918 ug/l

RT: 4.40 min Scan# 533

Delta R.T. -0.18 min

Lab File: VX010964.D

Acq: 18 Jul 2019 17:19

Instrument :

MSVOA_X

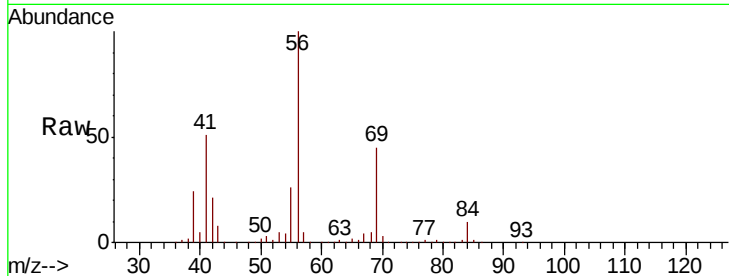
ClientSampled :

Tot Ion: 77 Resp: 15039

Ion Ratio Lower Upper

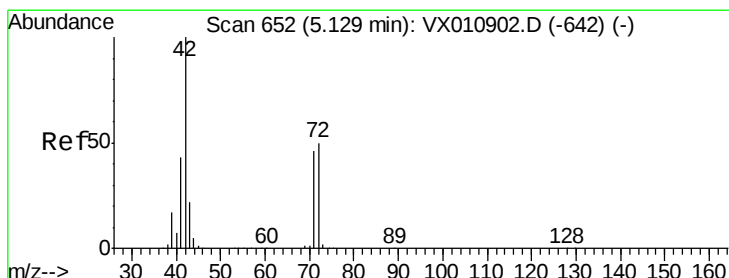
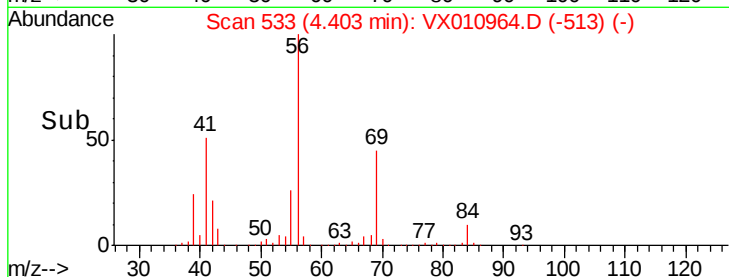
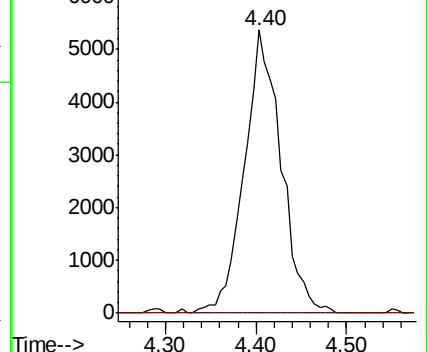
77 100

97 0.0 12.6 37.6#



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



#29

Tetrahydrofuran

Concen: 0.222 ug/l

RT: 5.12 min Scan# 651

Delta R.T. -0.01 min

Lab File: VX010964.D

Acq: 18 Jul 2019 17:19

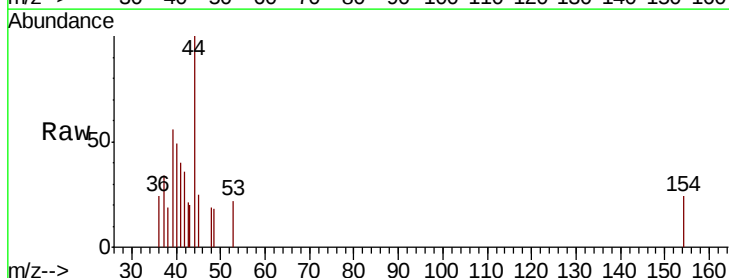
Tgt Ion: 42 Resp: 228

Ion Ratio Lower Upper

42 100

72 0.0 39.8 59.8#

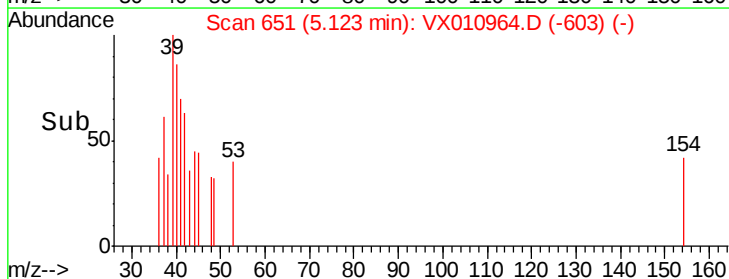
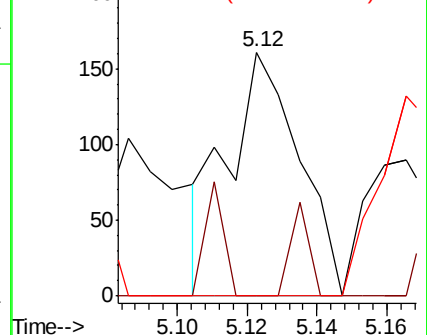
71 0.0 37.0 55.4#

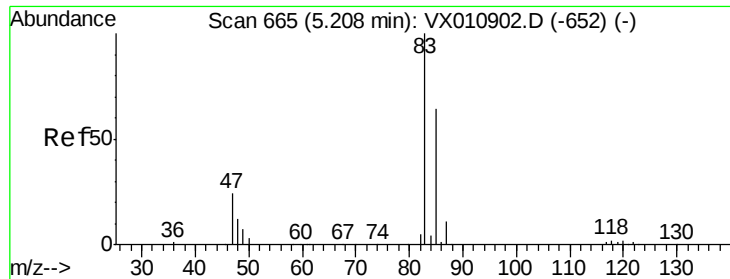


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

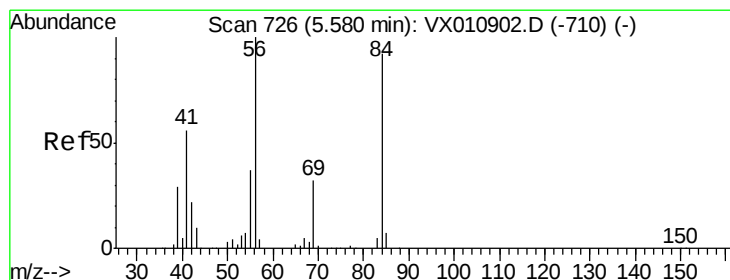
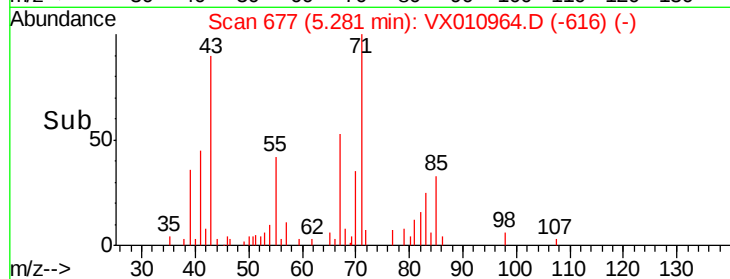
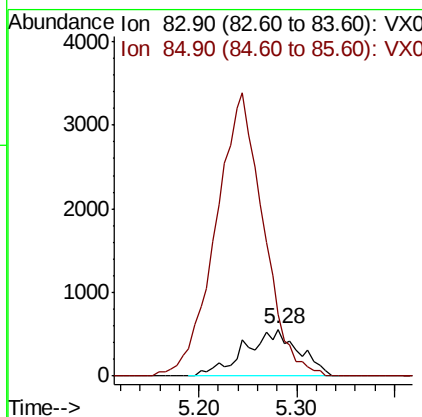
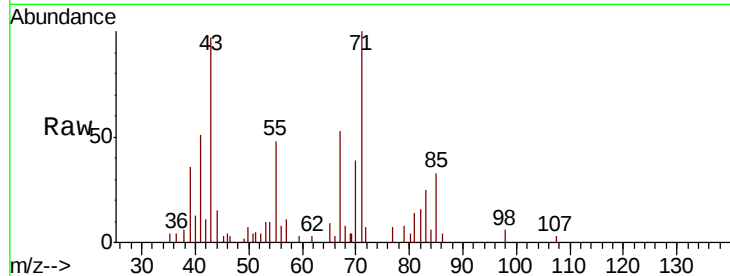




#30
Chloroform
Concen: 0.534 ug/l
RT: 5.28 min Scan# 677
Delta R.T. 0.07 min
Lab File: VX010964.D
Acq: 18 Jul 2019 17:19

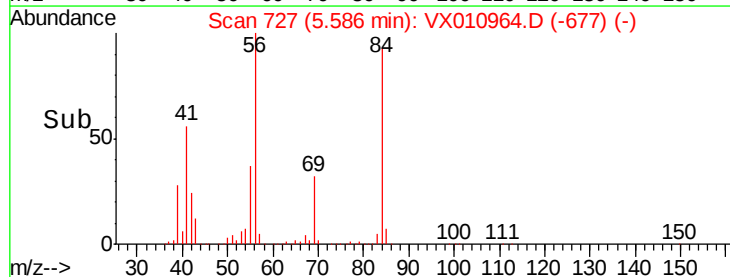
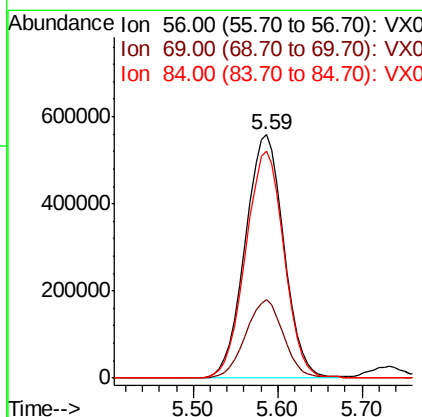
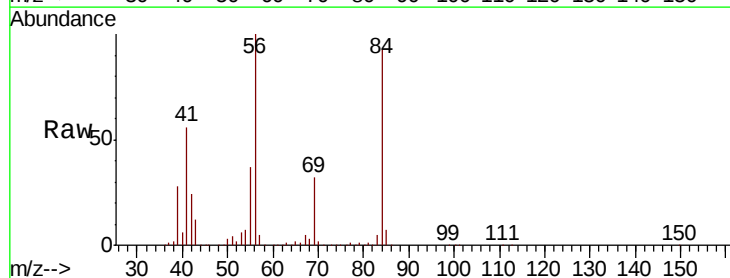
Instrument :
MSVOA_X
ClientSampled :

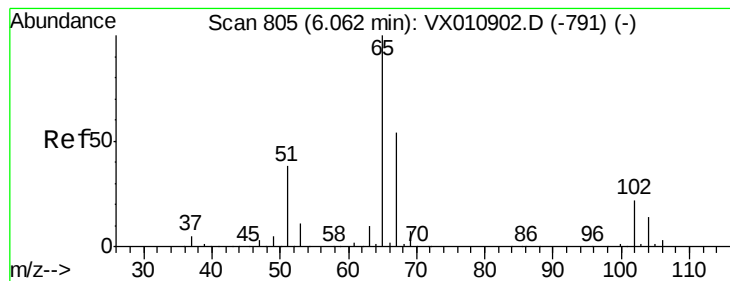
Tot Ion: 83 Resp: 2148
Ion Ratio Lower Upper
83 100
85 133.0 51.4 77.0#



#31
Cyclohexane
Concen: 513.518 ug/l
RT: 5.59 min Scan# 727
Delta R.T. 0.01 min
Lab File: VX010964.D
Acq: 18 Jul 2019 17:19

Tgt Ion: 56 Resp: 1743341
Ion Ratio Lower Upper
56 100
69 32.0 25.8 38.8
84 93.5 73.8 110.6





#33

1,2-Dichloroethane-d4

Concen: 50.329 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010964.D

Acq: 18 Jul 2019 17:19

Instrument :

MSVOA_X

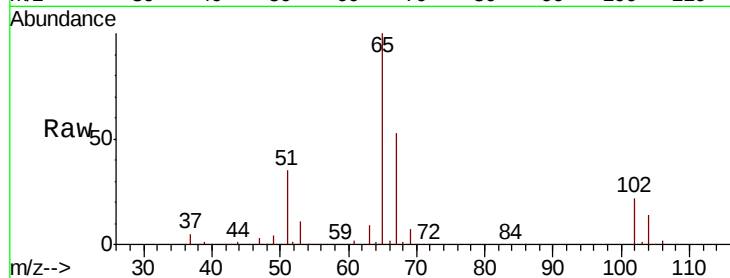
ClientSampled :

Tot Ion: 65 Resp: 125840

Ion Ratio Lower Upper

65 100

67 52.8 0.0 107.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

50000

40000

30000

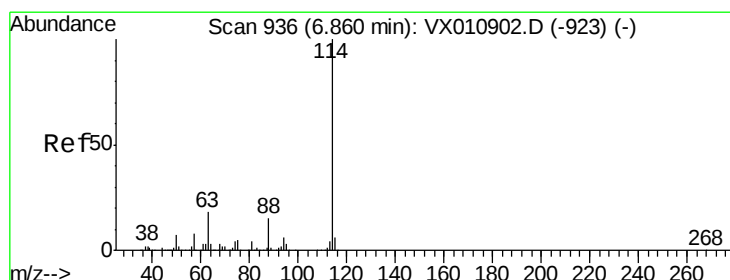
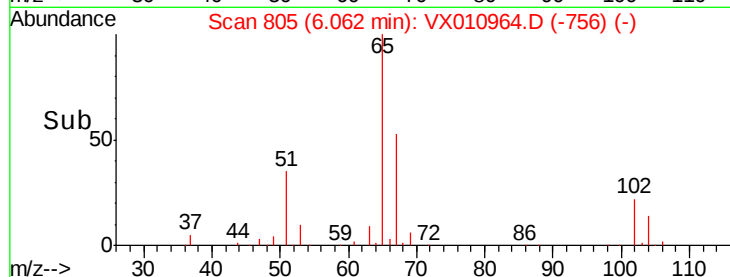
20000

10000

0

6.00 6.10 6.20

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX010964.D

Acq: 18 Jul 2019 17:19

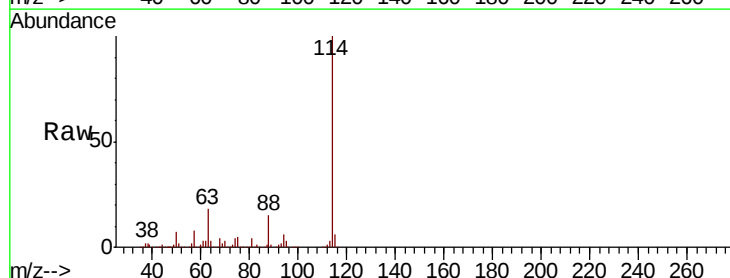
Tgt Ion: 114 Resp: 367181

Ion Ratio Lower Upper

114 100

63 18.3 0.0 35.6

88 14.7 0.0 29.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

200000

150000

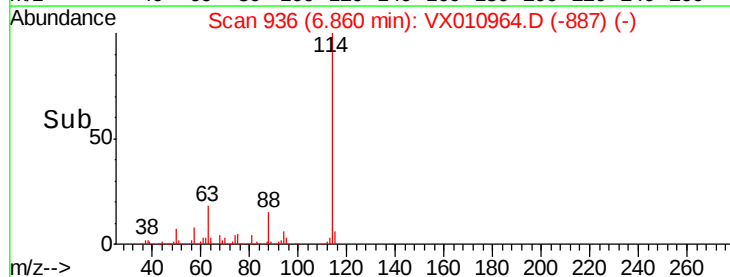
100000

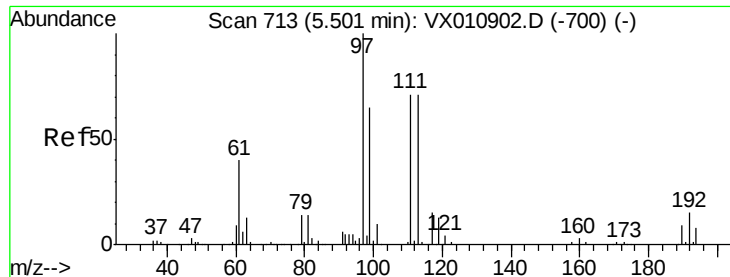
50000

0

6.70 6.80 6.90 7.00

Time-->





#35

Dibromofluoromethane

Concen: 48.386 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010964.D

Acq: 18 Jul 2019 17:19

Instrument :
MSVOA_X
ClientSampled :

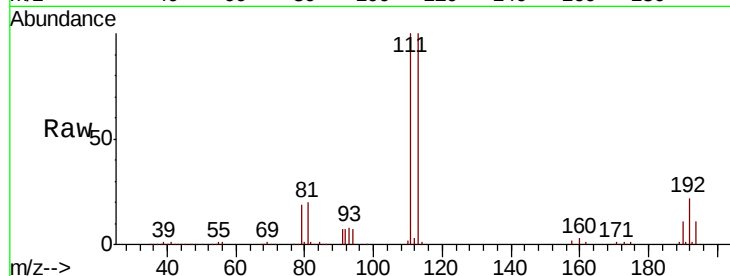
Tot Ion:113 Resp: 112767

Ion Ratio Lower Upper

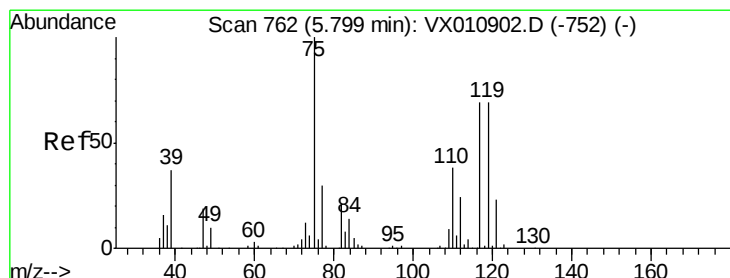
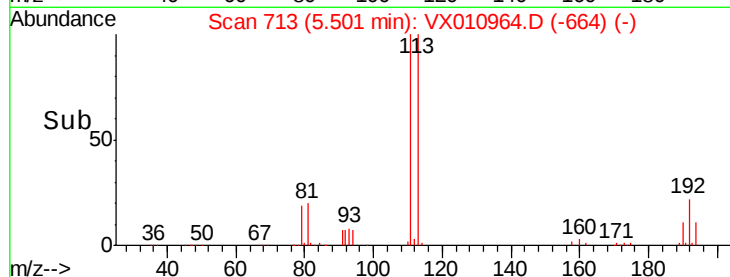
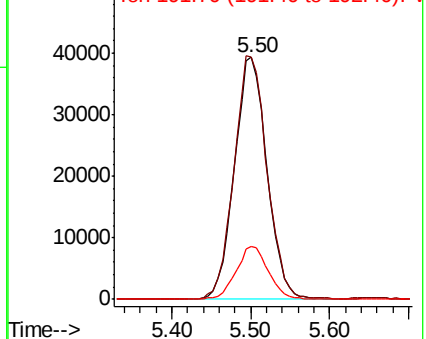
113 100

111 101.9 82.3 123.5

192 21.5 17.4 26.2



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



#36

1,1-Dichloropropene

Concen: 5.275 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX010964.D

Acq: 18 Jul 2019 17:19

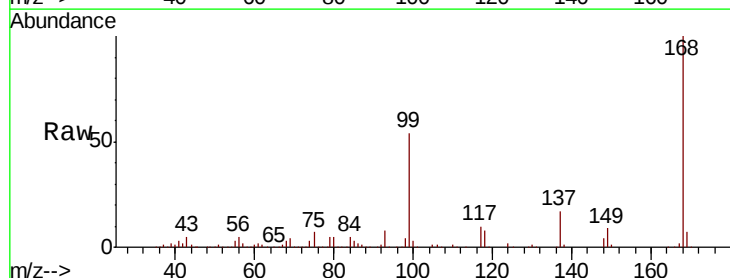
Tgt Ion: 75 Resp: 15909

Ion Ratio Lower Upper

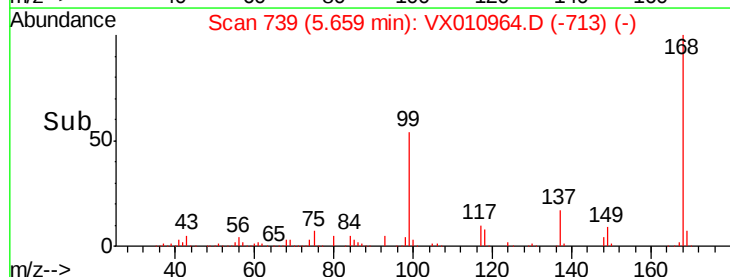
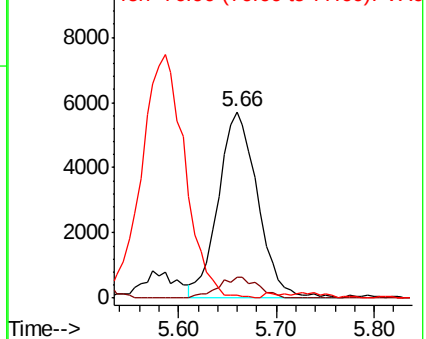
75 100

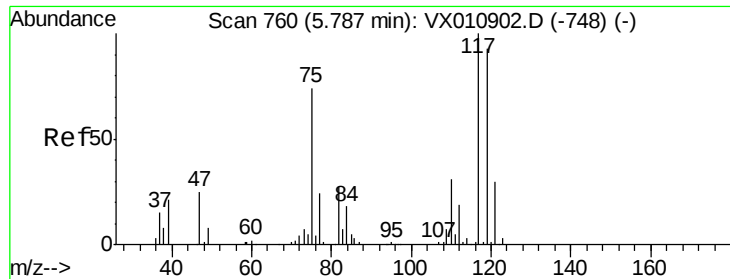
110 11.3 19.9 59.7#

77 0.0 25.0 37.4#



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VX0

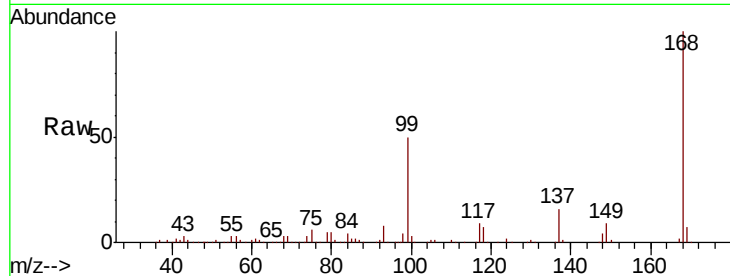




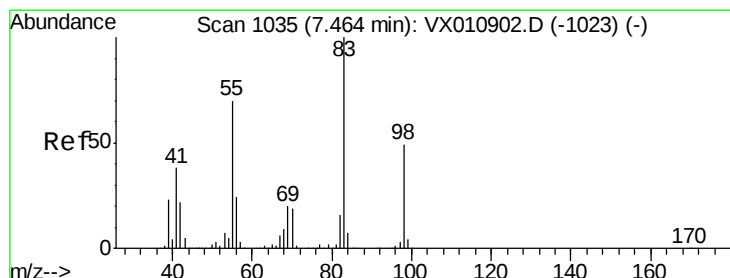
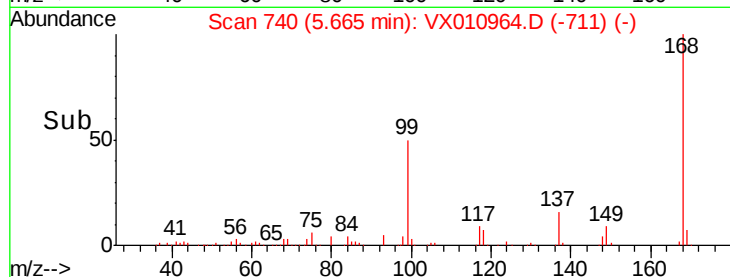
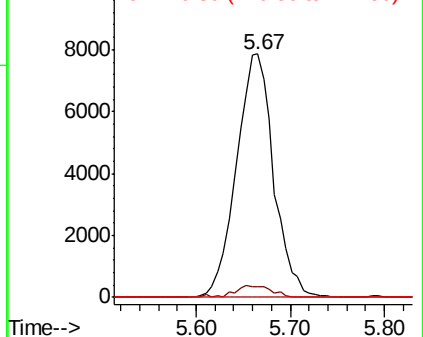
#38
Carbon Tetrachloride
Concen: 6.897 ug/l
RT: 5.67 min Scan# 740
Delta R.T. -0.12 min
Lab File: VX010964.D
Acq: 18 Jul 2019 17:19

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:117 Resp: 21676
Ion Ratio Lower Upper
117 100
119 4.4 74.2 111.2#
121 0.0 24.2 36.2#

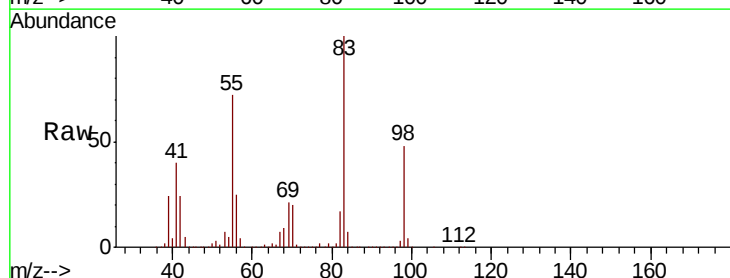


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

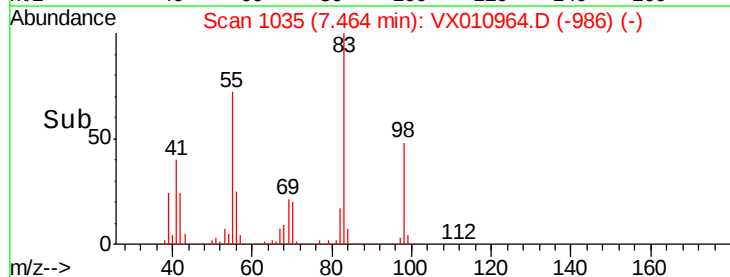
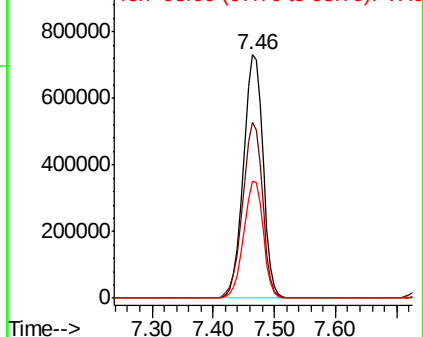


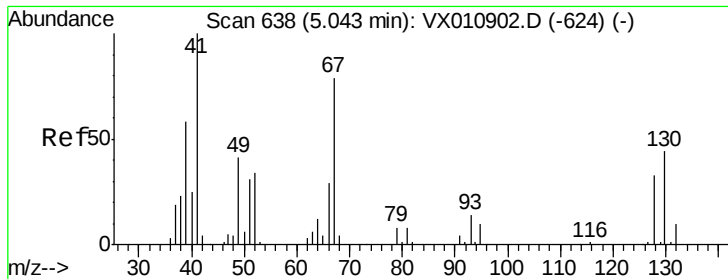
#39
Methylcyclohexane
Concen: 412.498 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX010964.D
Acq: 18 Jul 2019 17:19

Tgt Ion: 83 Resp: 1613381
Ion Ratio Lower Upper
83 100
55 72.4 56.2 84.4
98 47.9 39.0 58.4



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





#41

Methacrylonitrile

Concen: 0.379 ug/l

RT: 5.07 min Scan# 643

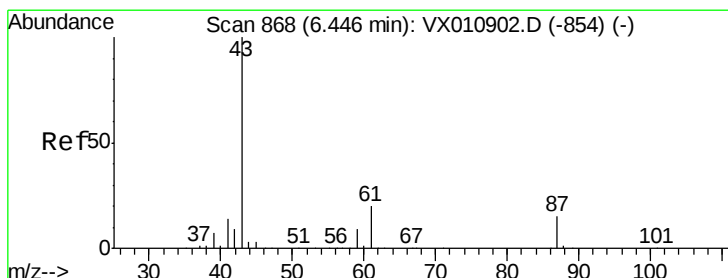
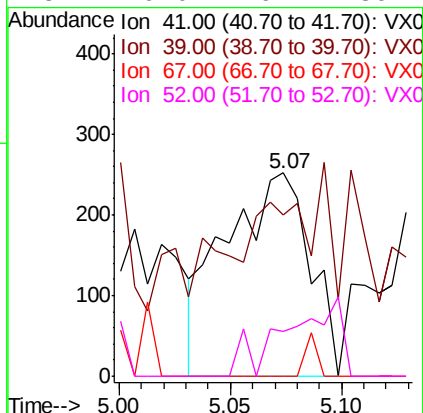
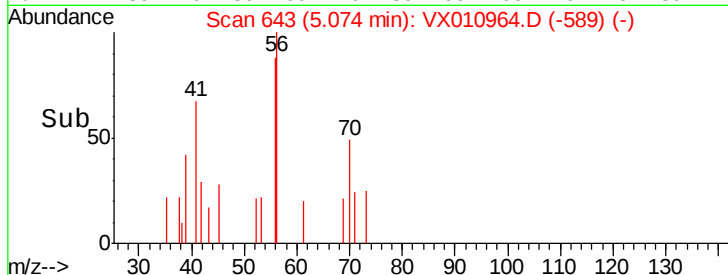
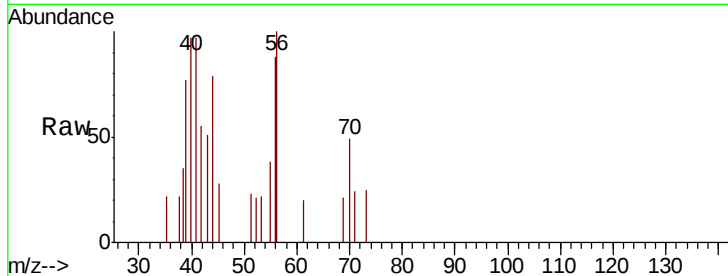
Delta R.T. 0.03 min

Lab File: VX010964.D

Acq: 18 Jul 2019 17:19

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:	41	Resp:	664
Ion	Ratio	Lower	Upper
41	100		
39	0.0	45.4	68.2#
67	0.0	65.9	98.9#
52	0.0	26.2	39.2#



#43

Isopropyl Acetate

Concen: 3.087 ug/l

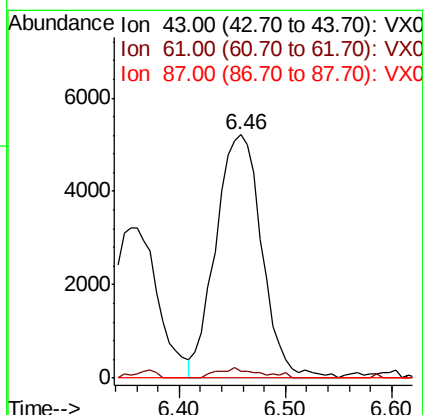
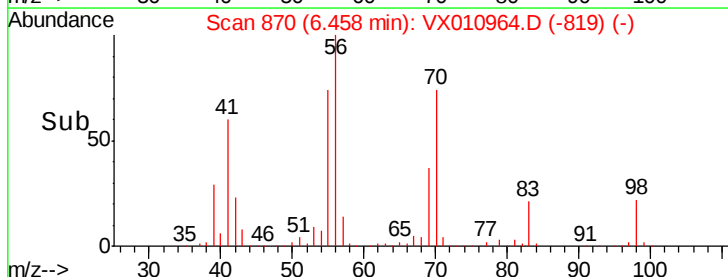
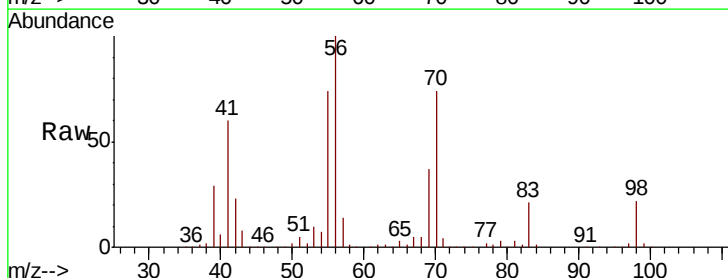
RT: 6.46 min Scan# 870

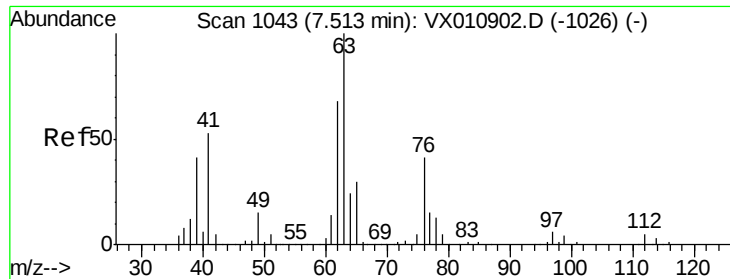
Delta R.T. 0.01 min

Lab File: VX010964.D

Acq: 18 Jul 2019 17:19

Tgt Ion:	43	Resp:	15675
Ion	Ratio	Lower	Upper
43	100		
61	3.8	17.1	25.7#
87	0.0	12.0	18.0#





#45

1,2-Dichloropropane

Concen: 6.585 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. -0.05 min

Lab File: VX010964.D

Acq: 18 Jul 2019 17:19

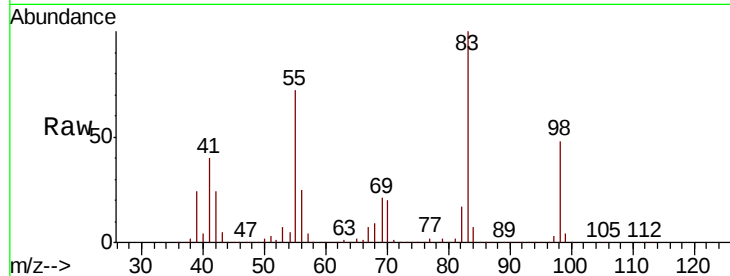
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 63 Resp: 15485

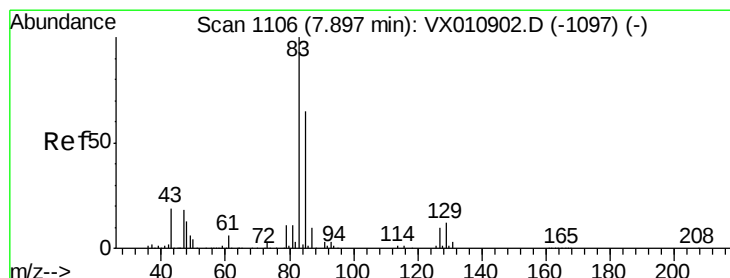
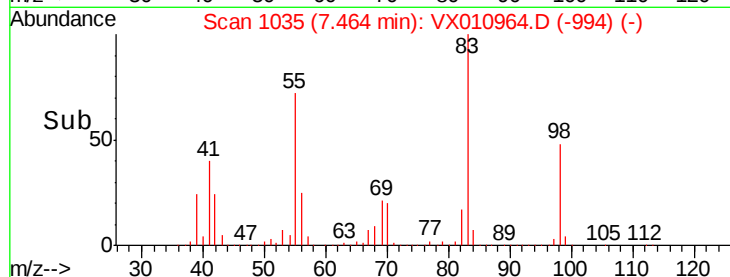
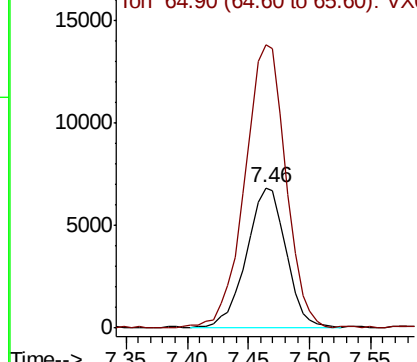
Ion Ratio Lower Upper

63 100

65 200.0 24.4 36.6#



Abundance Ion 62.90 (62.60 to 63.60): VX0
Ion 64.90 (64.60 to 65.60): VX0



#47

Bromodichloromethane

Concen: 0.613 ug/l

RT: 7.85 min Scan# 1098

Delta R.T. -0.05 min

Lab File: VX010964.D

Acq: 18 Jul 2019 17:19

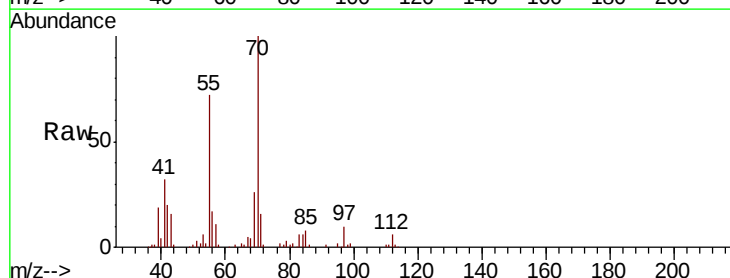
Tgt Ion: 83 Resp: 1834

Ion Ratio Lower Upper

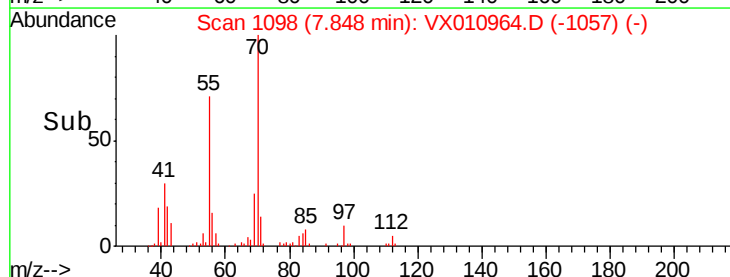
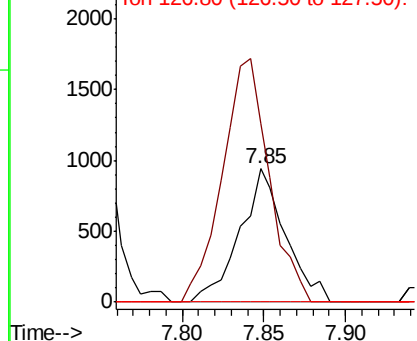
83 100

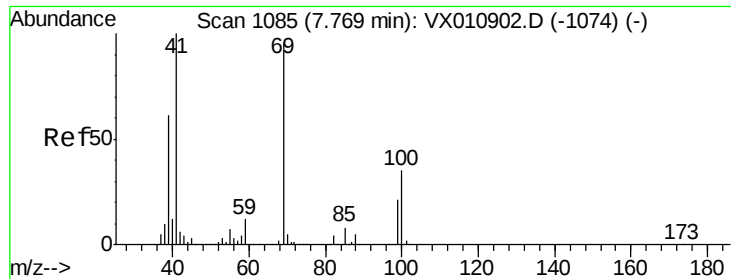
85 134.0 52.5 78.7#

127 0.0 7.8 11.8#



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 126.80 (126.50 to 127.50): V

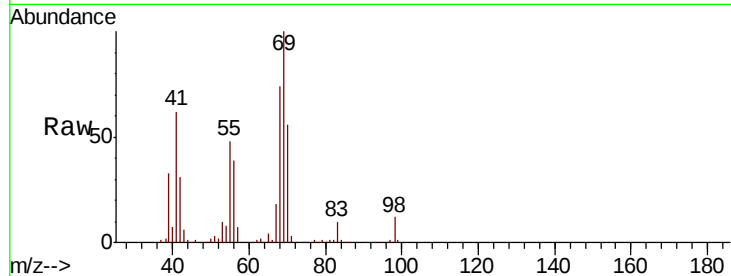




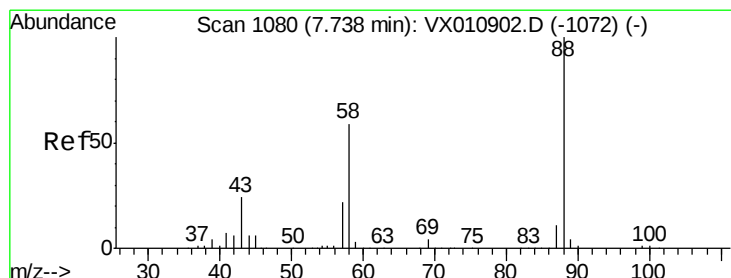
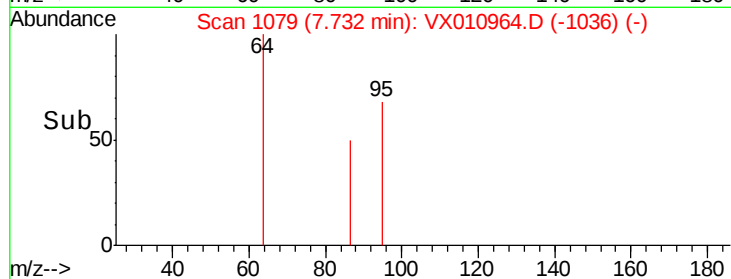
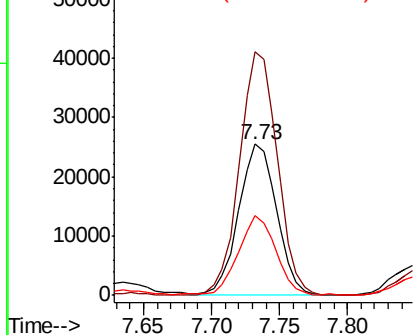
#48
Methvl methacrylate
Concen: 19.940 ug/l
RT: 7.73 min Scan# 1079
Delta R.T. -0.04 min
Lab File: VX010964.D
Acq: 18 Jul 2019 17:19

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 41 Resp: 49328
Ion Ratio Lower Upper
41 100
69 161.3 74.4 111.6#
39 51.1 48.9 73.3

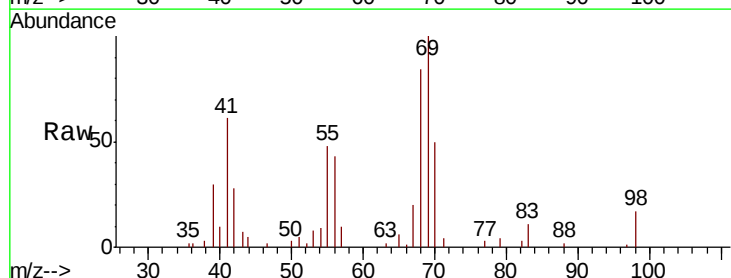


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0

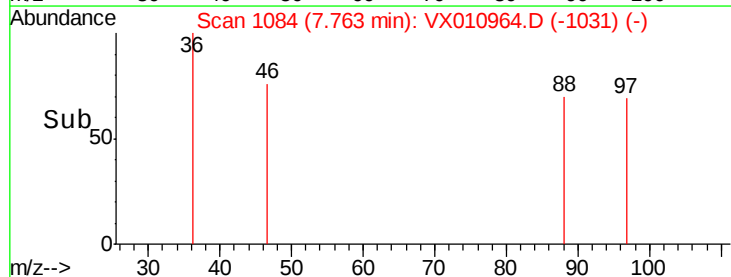
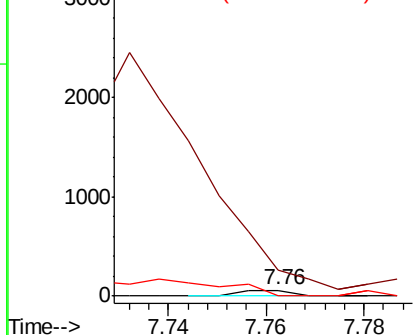


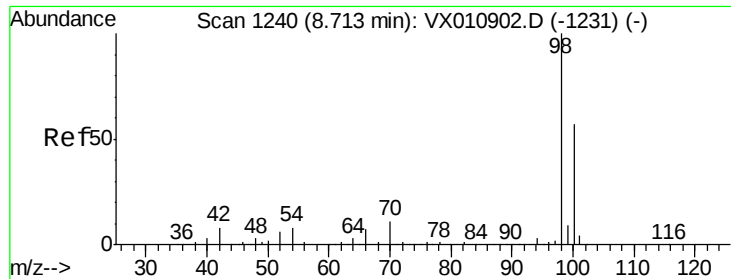
#49
1,4-Dioxane
Concen: 0.578 ug/l
RT: 7.76 min Scan# 1084
Delta R.T. 0.02 min
Lab File: VX010964.D
Acq: 18 Jul 2019 17:19

Tgt Ion: 88 Resp: 40
Ion Ratio Lower Upper
88 100
43 0.0 22.9 34.3#
58 0.0 49.8 74.8#



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





#50

Toluene-d8

Concen: 51.614 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010964.D

Acq: 18 Jul 2019 17:19

Instrument :

MSVOA_X

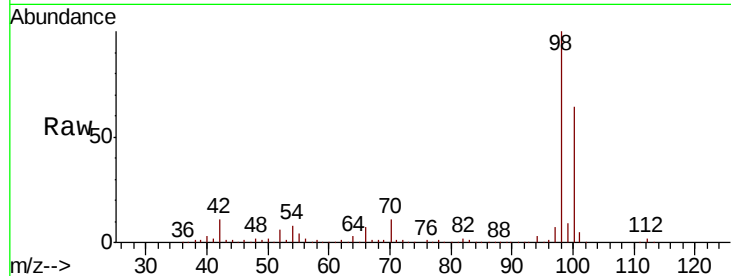
ClientSampleId :

Tot Ion: 98 Resp: 451163

Ion Ratio Lower Upper

98 100

100 63.7 50.6 75.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

8.71

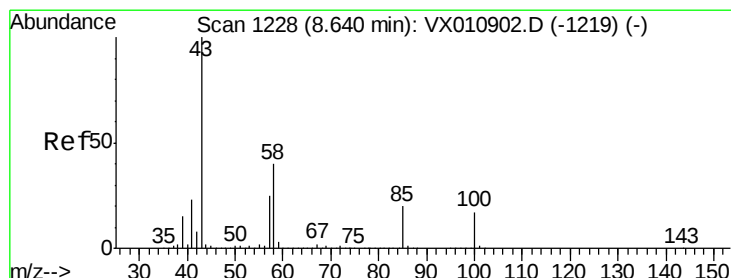
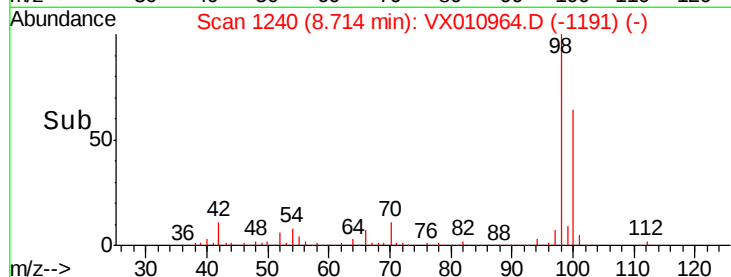
300000

200000

100000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 3.318 ug/l

RT: 8.66 min Scan# 1232

Delta R.T. 0.02 min

Lab File: VX010964.D

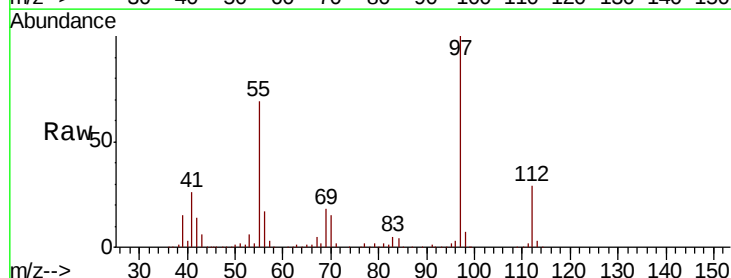
Acq: 18 Jul 2019 17:19

Tgt Ion: 43 Resp: 10922

Ion Ratio Lower Upper

43 100

58 4.0 32.2 48.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.66

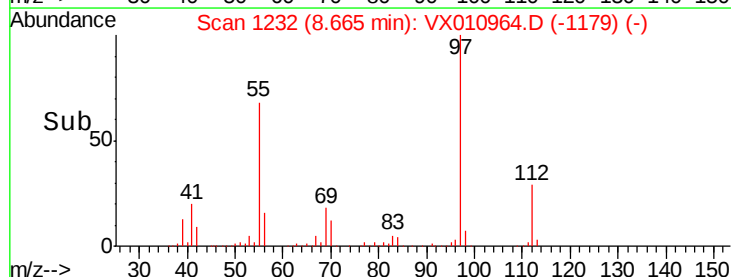
6000

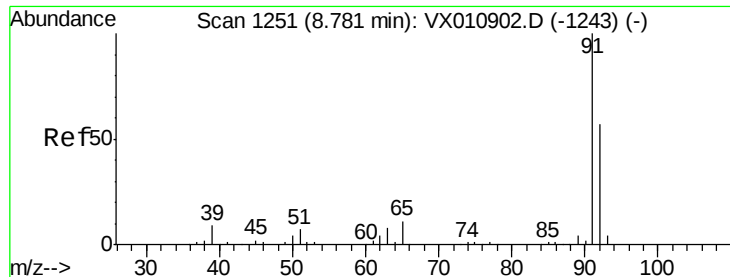
4000

2000

0

Time-->





#52

Toluene

Concen: 36.833 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VX010964.D

Acq: 18 Jul 2019 17:19

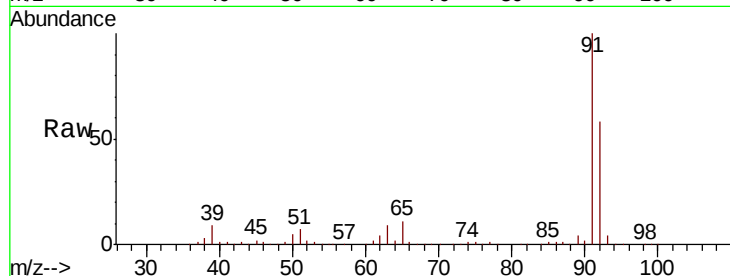
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 92 Resp: 223549

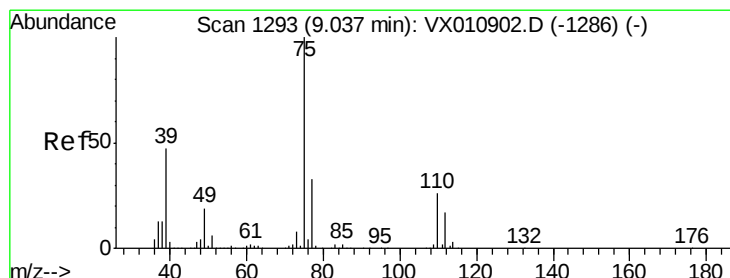
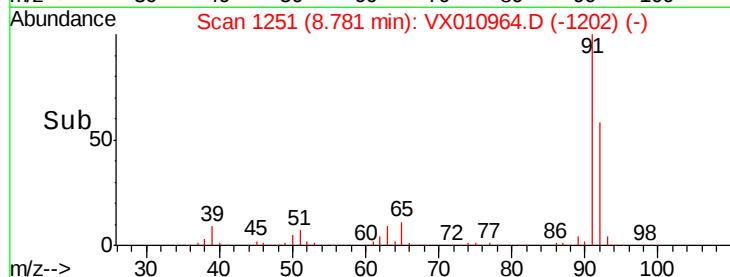
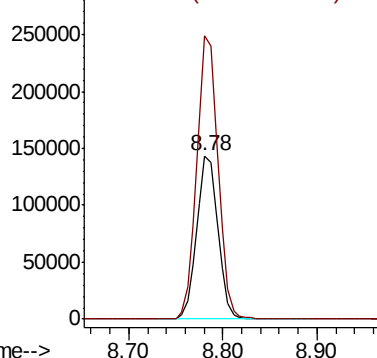
Ion Ratio Lower Upper

92 100

91 174.9 139.4 209.0



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



#53

t-1,3-Dichloropropene

Concen: 0.861 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.26 min

Lab File: VX010964.D

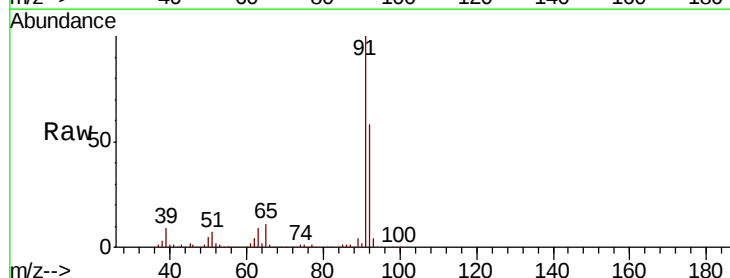
Acq: 18 Jul 2019 17:19

Tgt Ion: 75 Resp: 2768

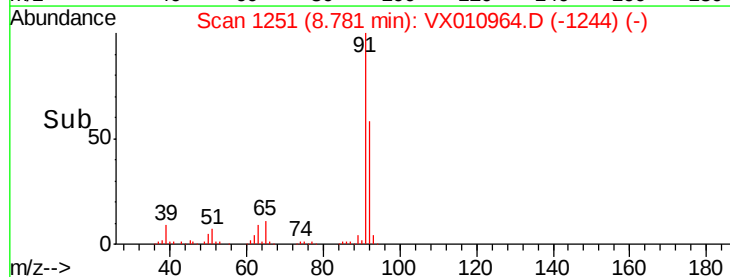
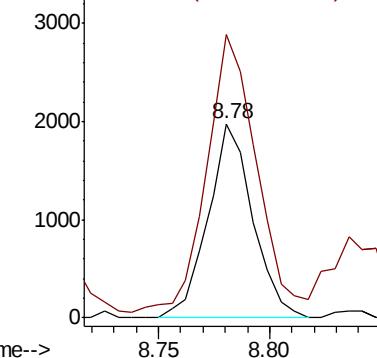
Ion Ratio Lower Upper

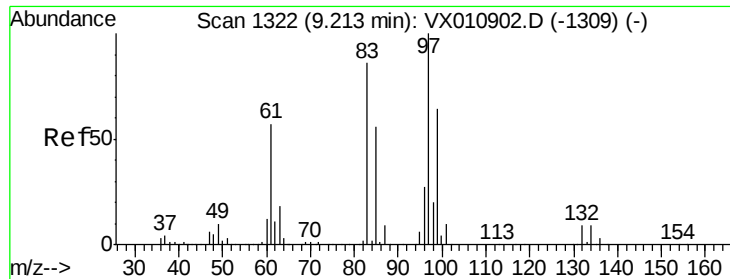
75 100

77 139.1 26.2 39.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 76.90 (76.60 to 77.60): VX0





#55

1,1,2-Trichloroethane

Concen: 29.936 ug/l

RT: 9.16 min Scan# 1314

Delta R.T. -0.05 min

Lab File: VX010964.D

Acq: 18 Jul 2019 17:19

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 97 Resp: 74810

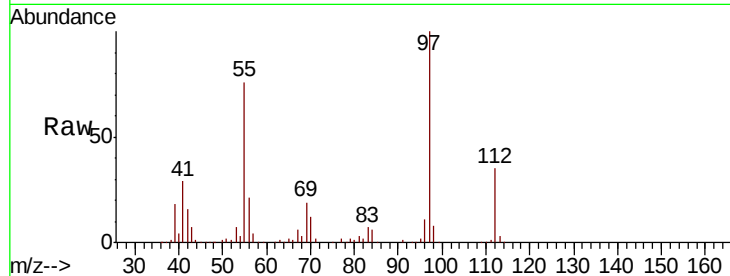
Ion Ratio Lower Upper

97 100

83 7.4 69.2 103.8#

85 0.3 44.6 66.8#

99 0.4 51.2 76.8#

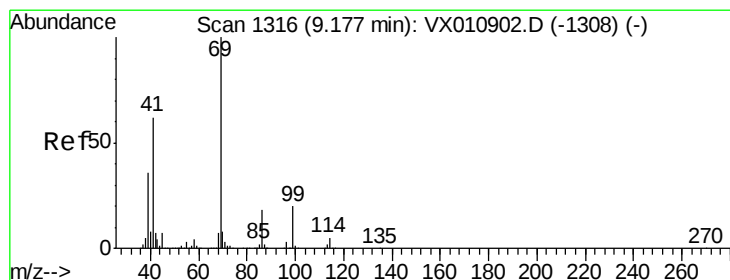
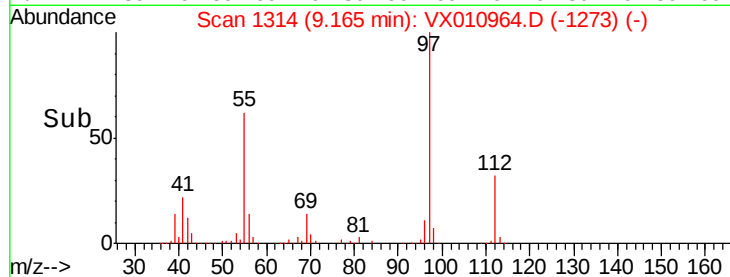
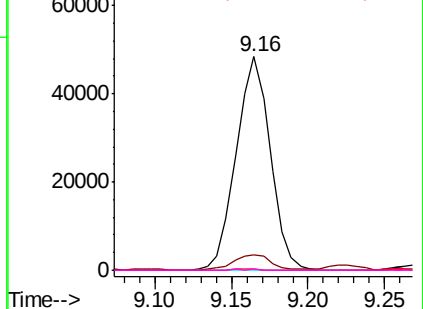


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 4.110 ug/l

RT: 9.16 min Scan# 1314

Delta R.T. -0.01 min

Lab File: VX010964.D

Acq: 18 Jul 2019 17:19

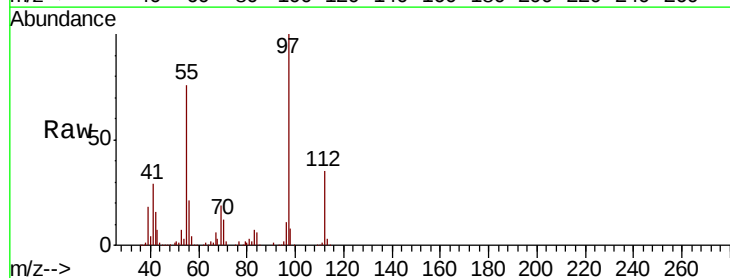
Tgt Ion: 69 Resp: 15025

Ion Ratio Lower Upper

69 100

41 159.0 49.7 74.5#

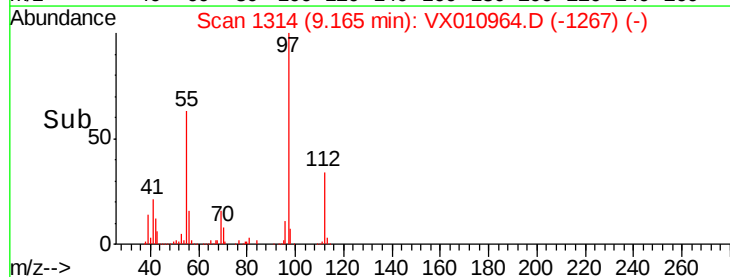
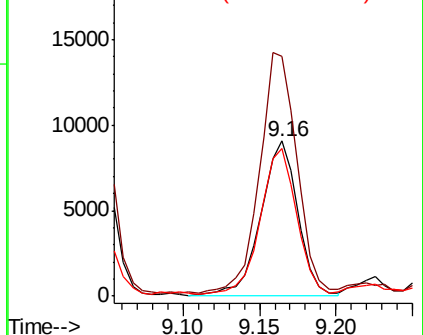
39 92.8 29.6 44.4#

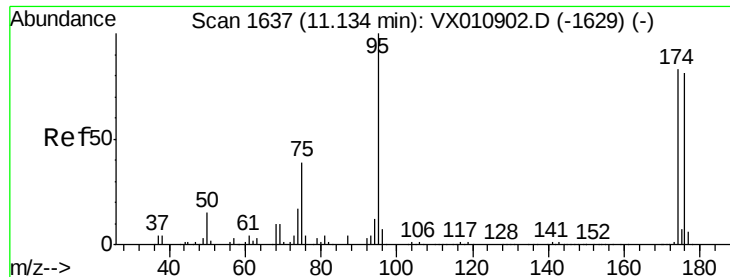


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#62

4-Bromofluorobenzene

Concen: 54.042 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010964.D

Acq: 18 Jul 2019 17:19

Instrument :

MSVOA_X

ClientSampleId :

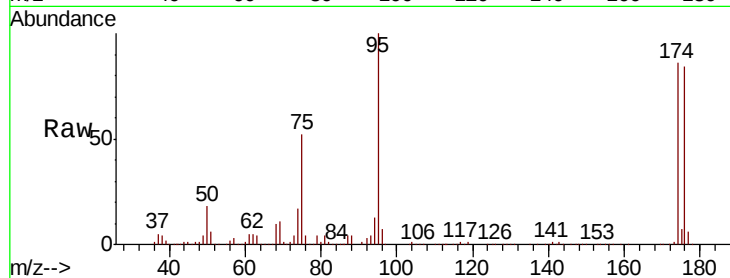
Tot Ion: 95 Resp: 173637

Ion Ratio Lower Upper

95 100

174 89.6 0.0 180.6

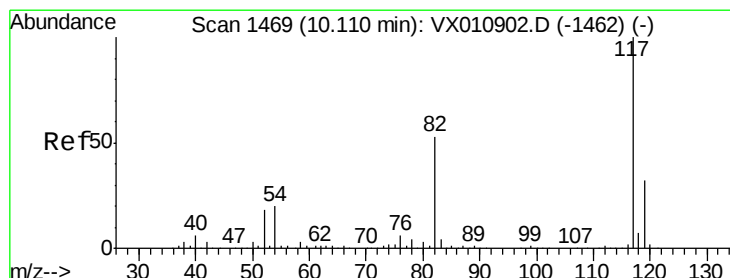
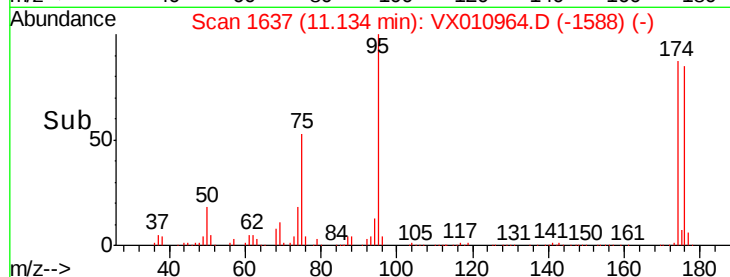
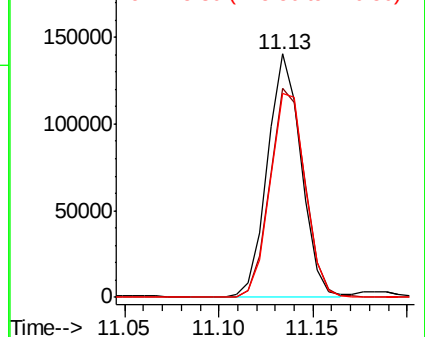
176 88.3 0.0 173.8



Abundance Ion 94.90 (94.60 to 95.60): VX010902.D (-1629) (-)

Ion 173.80 (173.50 to 174.50): VX010902.D (-1629) (-)

Ion 175.80 (175.50 to 176.50): VX010902.D (-1629) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX010964.D

Acq: 18 Jul 2019 17:19

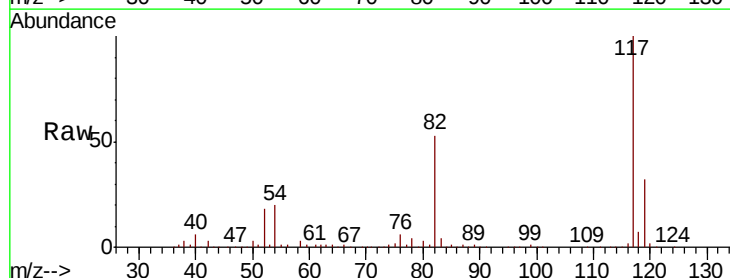
Tgt Ion: 117 Resp: 350316

Ion Ratio Lower Upper

117 100

82 52.8 42.6 63.8

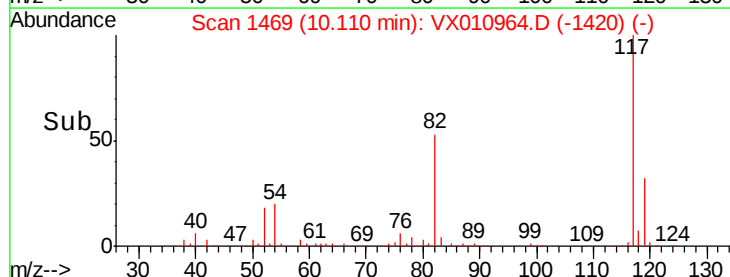
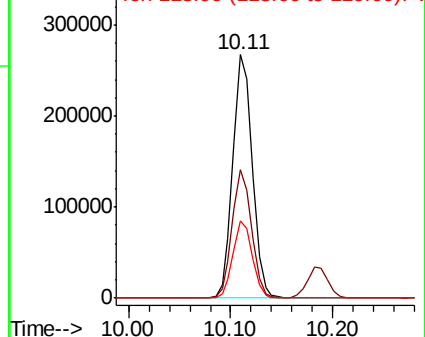
119 31.8 25.9 38.9

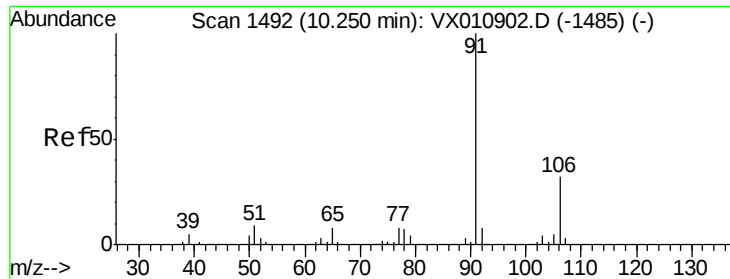


Abundance Ion 116.90 (116.60 to 117.60): VX010902.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX010902.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX010902.D (-1462) (-)

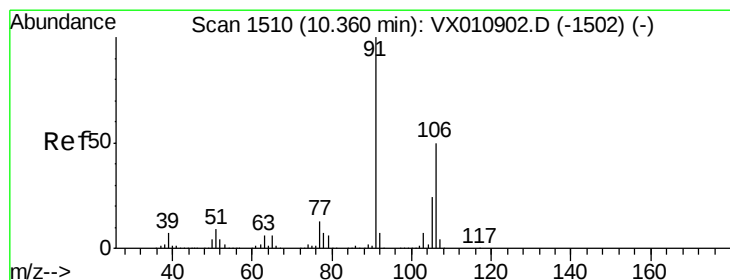
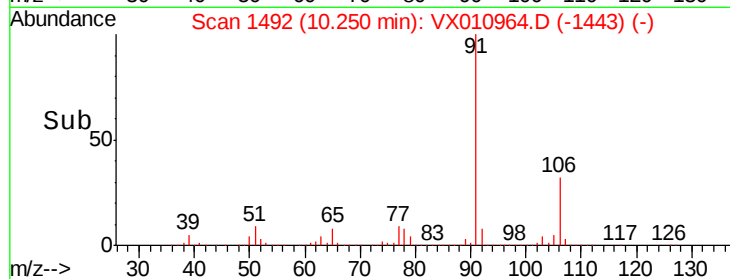
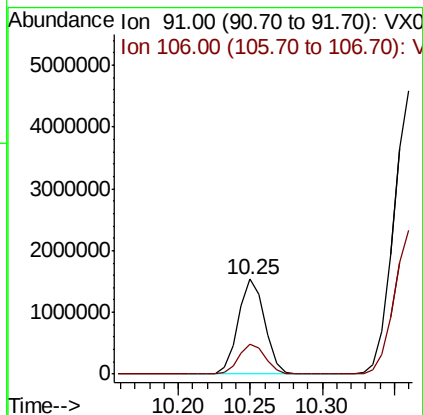
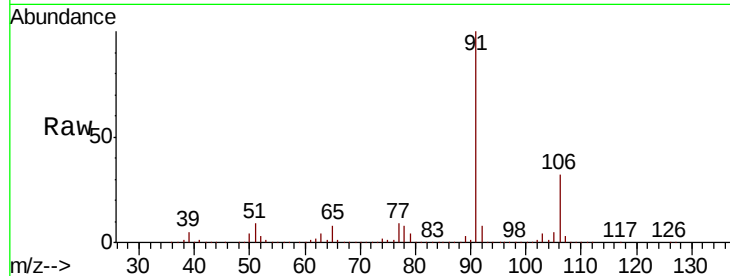




#67
Ethyl Benzene
Concen: 161.184 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX010964.D
Acq: 18 Jul 2019 17:19

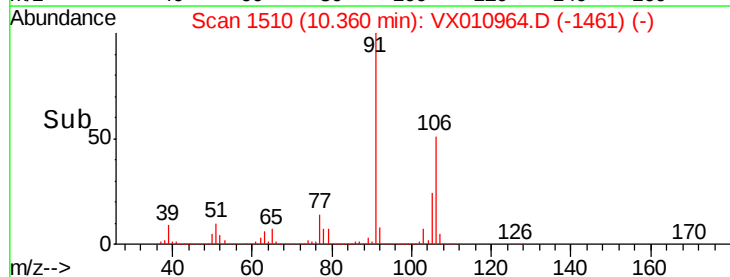
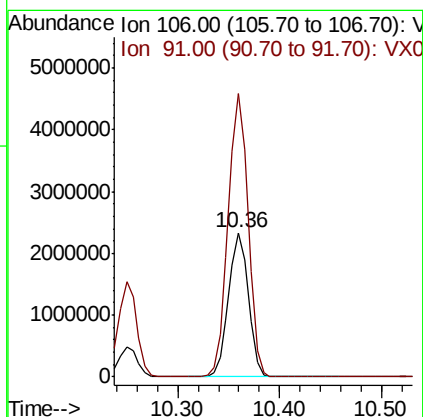
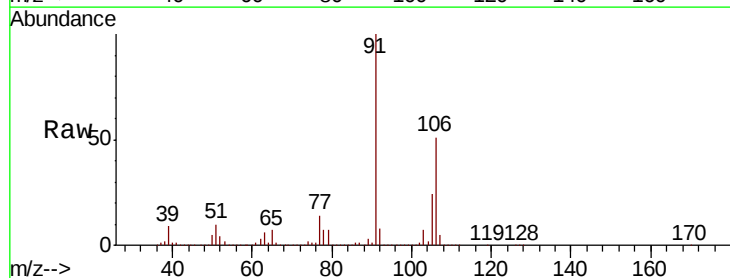
Instrument :
MSVOA_X
ClientSampleId :

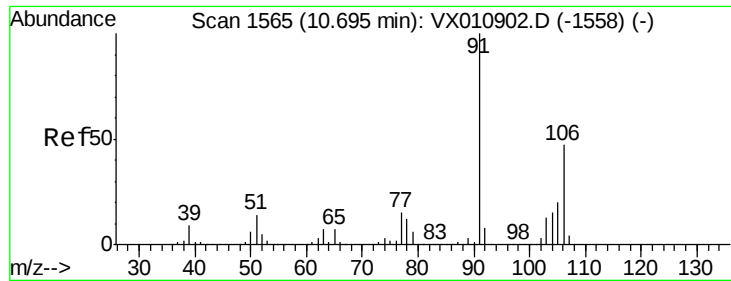
Tot Ion: 91 Resp: 1974042
Ion Ratio Lower Upper
91 100
106 31.9 25.4 38.2



#68
m/p-Xylenes
Concen: 664.810 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX010964.D
Acq: 18 Jul 2019 17:19

Tgt Ion: 106 Resp: 3123201
Ion Ratio Lower Upper
106 100
91 198.4 160.1 240.1

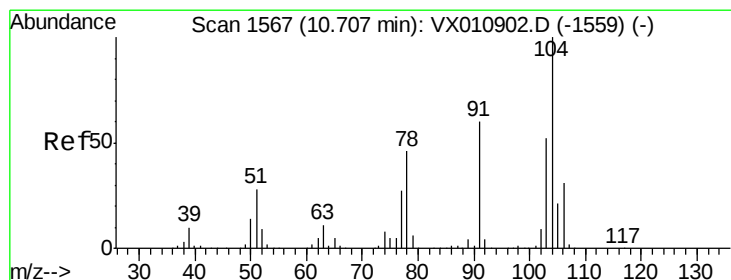
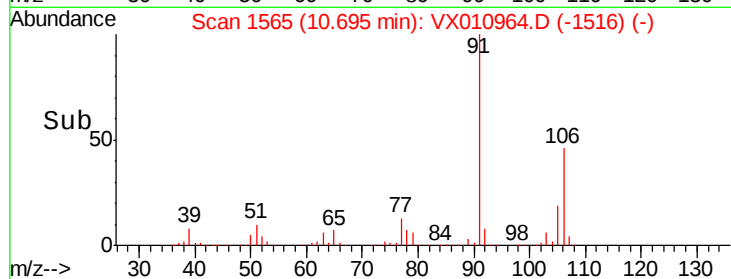
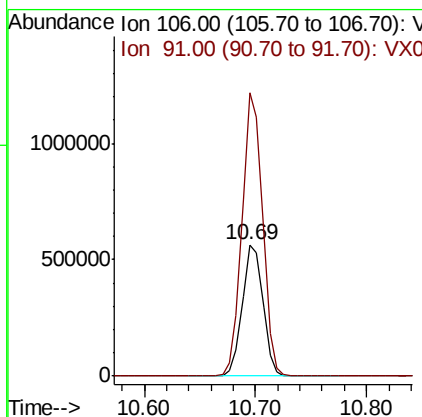
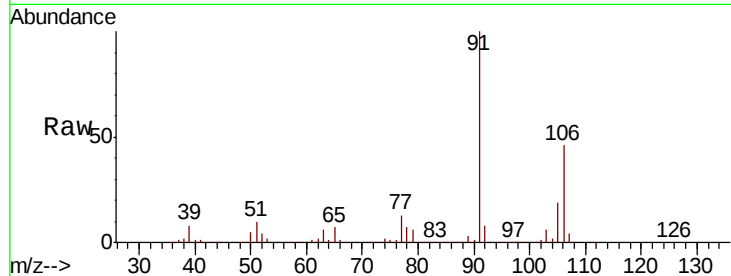




#69
o-Xylene
Concen: 158.692 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX010964.D
Acq: 18 Jul 2019 17:19

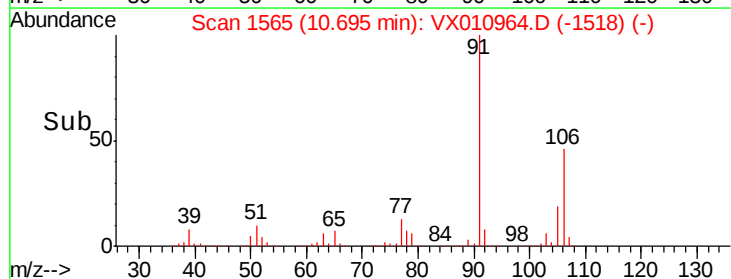
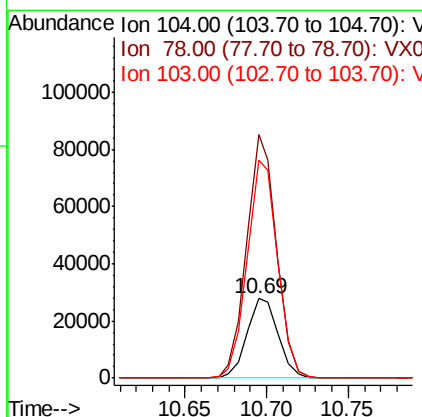
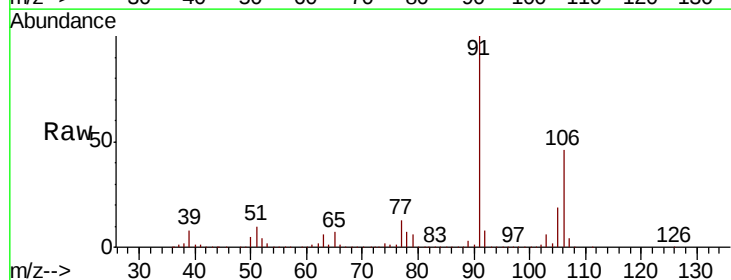
Instrument :
MSVOA_X
ClientSampleId :

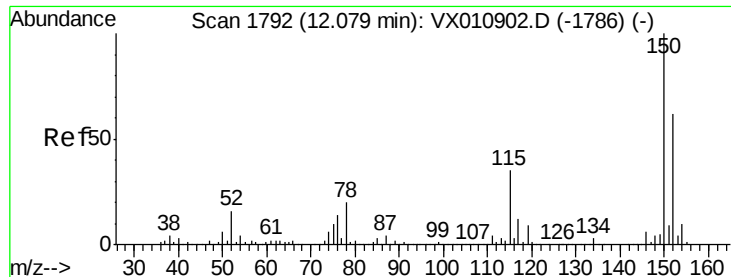
Tot Ion:106 Resp: 727589
Ion Ratio Lower Upper
106 100
91 213.8 105.1 315.3



#70
Styrene
Concen: 4.857 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX010964.D
Acq: 18 Jul 2019 17:19

Tgt Ion:104 Resp: 37119
Ion Ratio Lower Upper
104 100
78 294.8 38.8 58.2#
103 267.8 44.2 66.4#



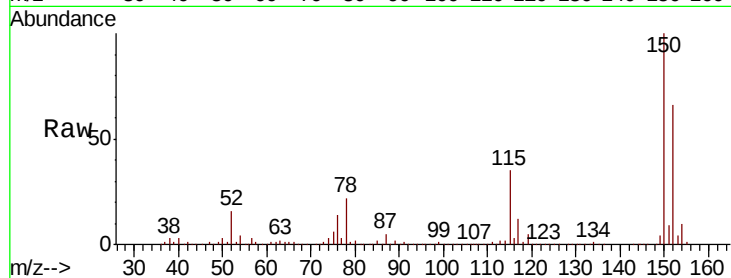


#72

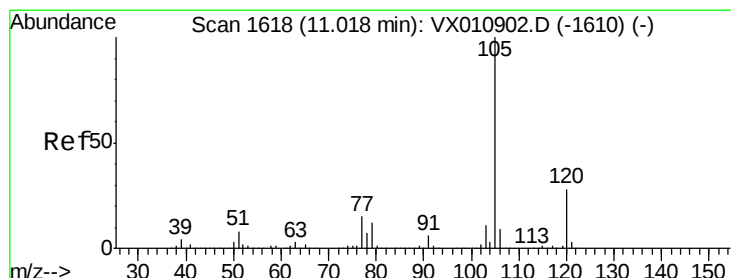
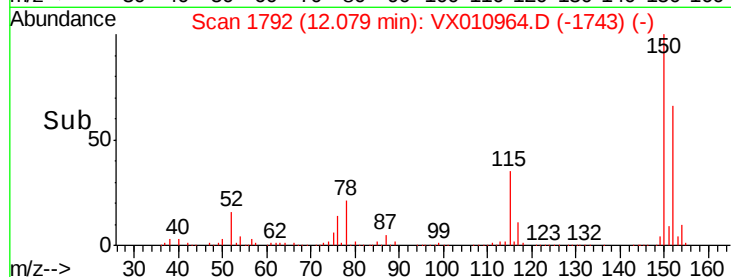
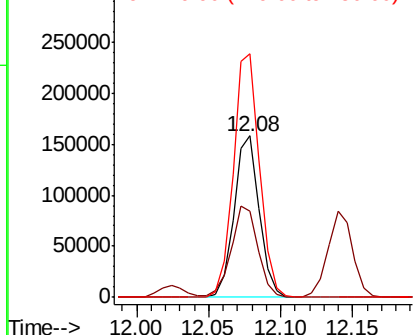
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010964.D
Acq: 18 Jul 2019 17:19

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:152 Resp: 192873
Ion Ratio Lower Upper
152 100
115 60.3 39.7 119.1
150 156.0 0.0 345.6



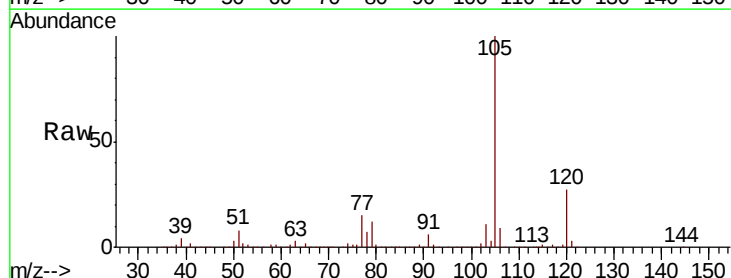
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



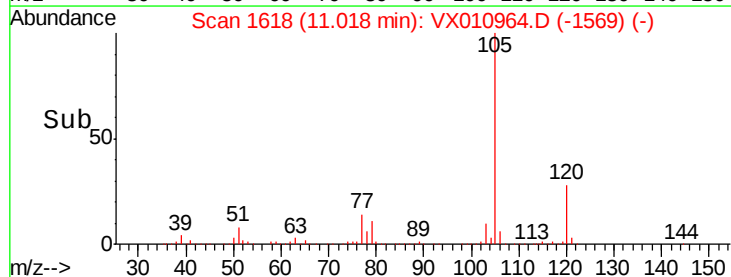
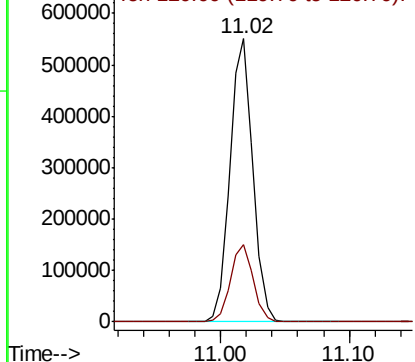
#73

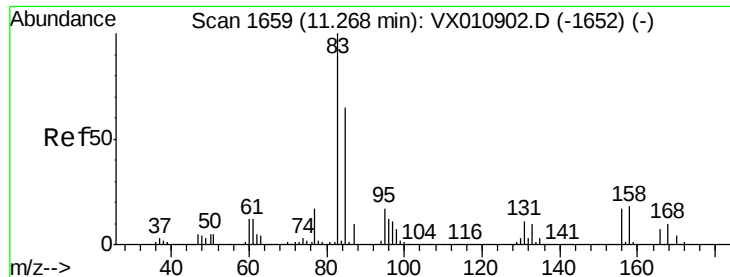
Isopropylbenzene
Concen: 52.486 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX010964.D
Acq: 18 Jul 2019 17:19

Tgt Ion:105 Resp: 684022
Ion Ratio Lower Upper
105 100
120 27.0 13.7 41.1



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





#75

1,1,2,2-Tetrachloroethane

Concen: 0.239 ug/l

RT: 11.28 min Scan# 1661

Delta R.T. 0.01 min

Lab File: VX010964.D

Acq: 18 Jul 2019 17:19

Instrument :

MSVOA_X

ClientSampleId :

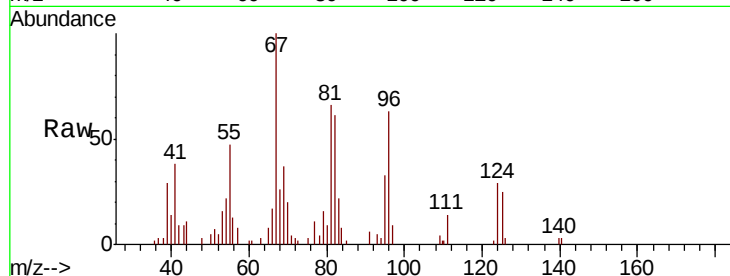
Tot Ion: 83 Resp: 1019

Ion Ratio Lower Upper

83 100

131 0.0 5.5 16.4#

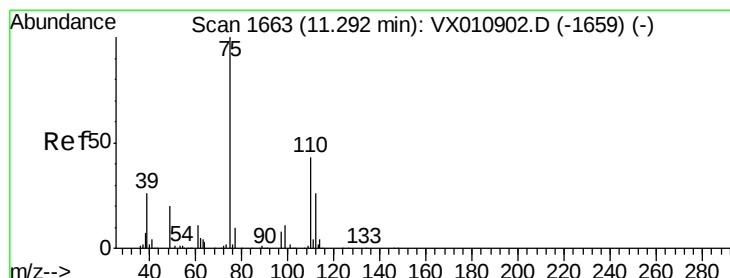
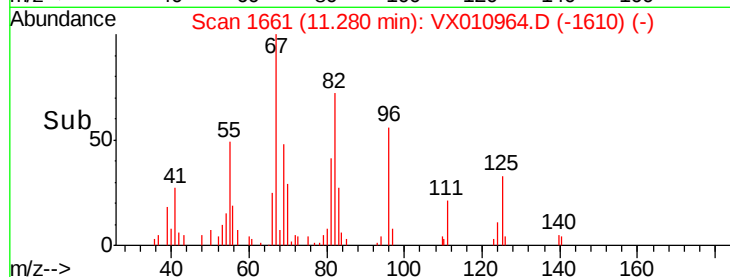
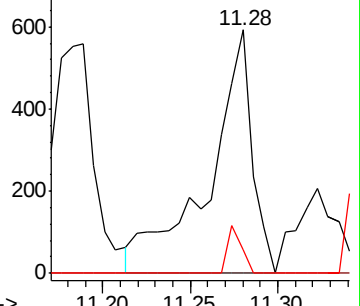
85 0.0 32.3 96.9#



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 2.440 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.07 min

Lab File: VX010964.D

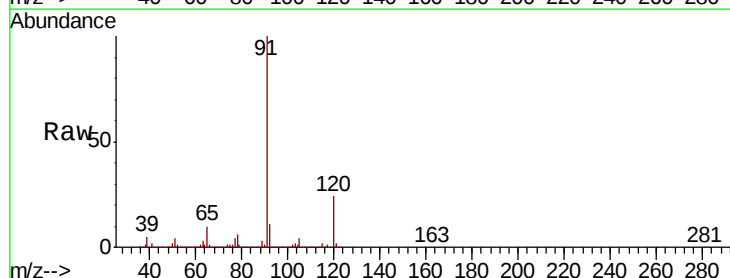
Acq: 18 Jul 2019 17:19

Tgt Ion: 75 Resp: 8494

Ion Ratio Lower Upper

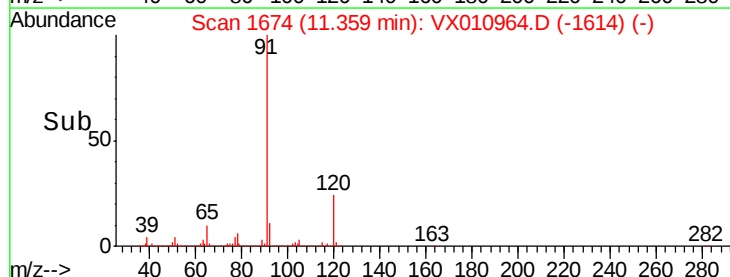
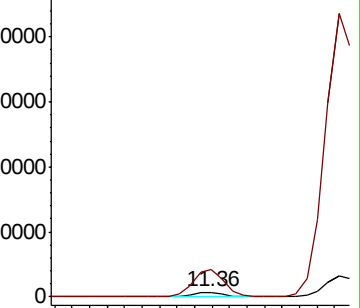
75 100

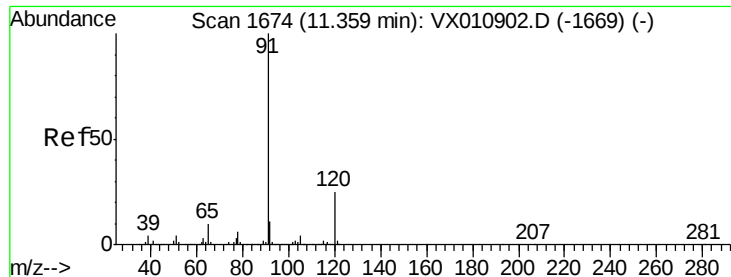
77 606.9 21.3 64.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#78

n-propylbenzene

Concen: 89.244 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX010964.D

Acq: 18 Jul 2019 17:19

Instrument :

MSVOA_X

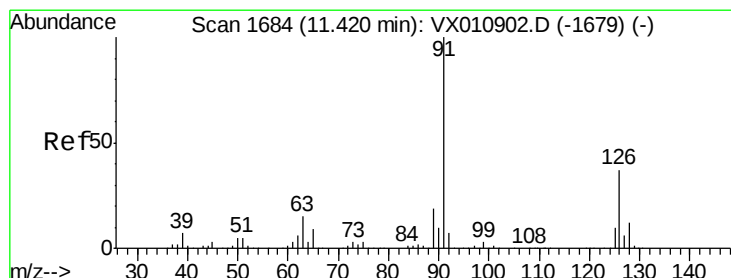
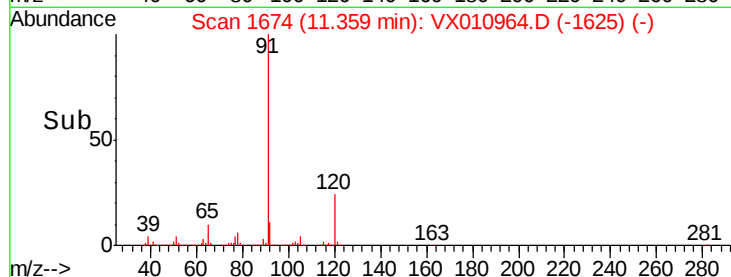
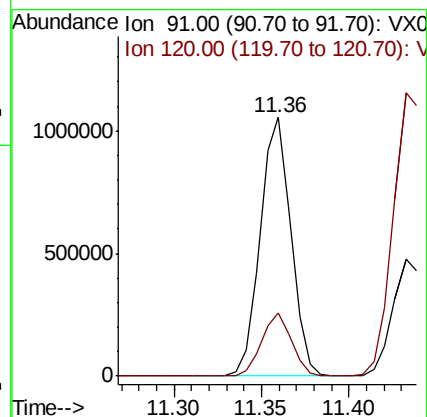
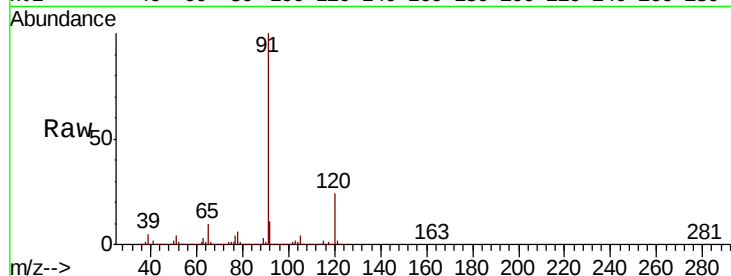
ClientSampled :

Tot Ion: 91 Resp: 1285088

Ion Ratio Lower Upper

91 100

120 23.8 12.3 36.8



#79

2-Chlorotoluene

Concen: 92.963 ug/l

RT: 11.43 min Scan# 1686

Delta R.T. 0.01 min

Lab File: VX010964.D

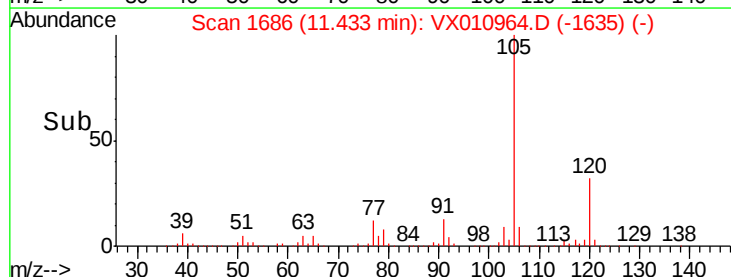
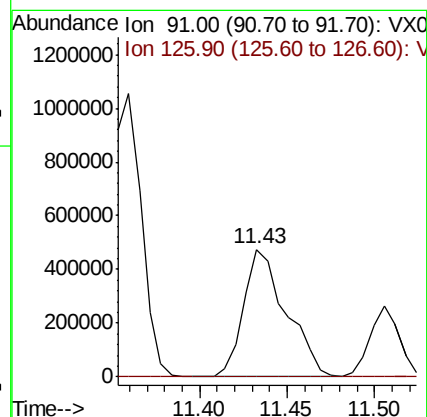
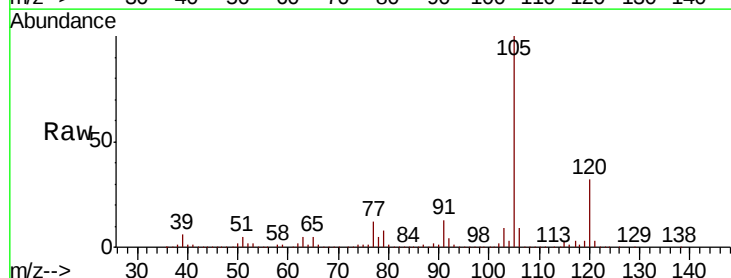
Acq: 18 Jul 2019 17:19

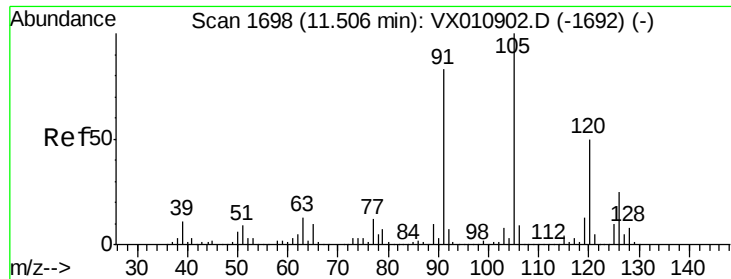
Tgt Ion: 91 Resp: 804153

Ion Ratio Lower Upper

91 100

126 0.1 18.0 54.0#





#80

1,3,5-Trimethylbenzene

Concen: 258.547 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX010964.D

Acq: 18 Jul 2019 17:19

Instrument :

MSVOA_X

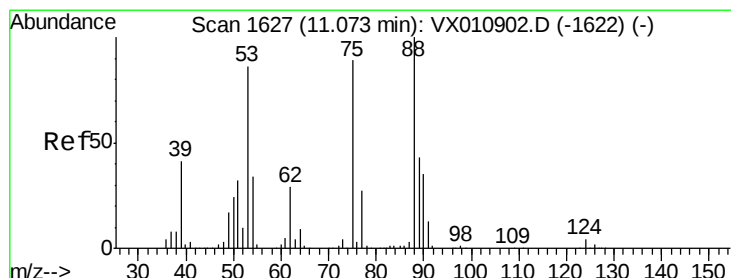
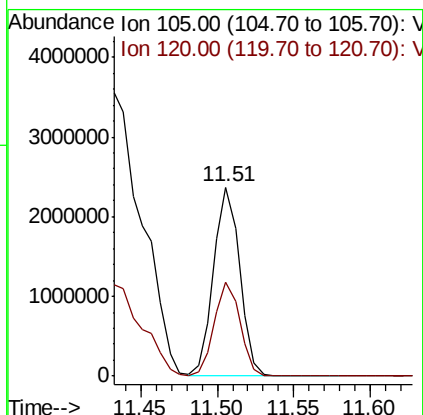
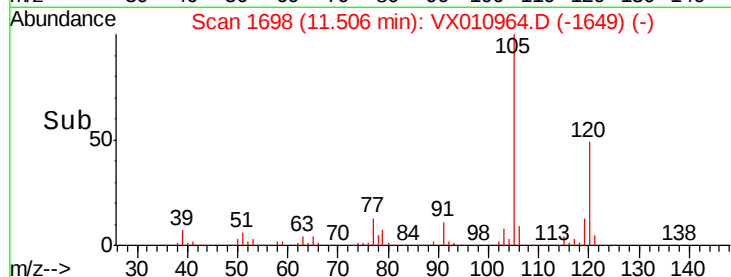
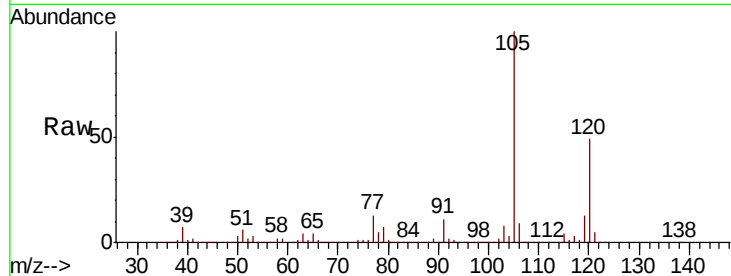
ClientSampled :

Tot Ion:105 Resp: 2815550

Ion Ratio Lower Upper

105 100

120 49.1 24.6 73.8



#81

trans-1,4-Dichloro-2-butene

Concen: 9.291 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.05 min

Lab File: VX010964.D

Acq: 18 Jul 2019 17:19

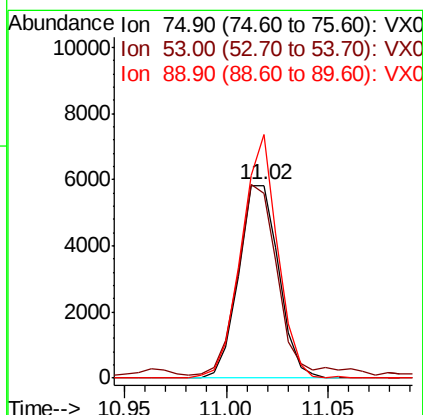
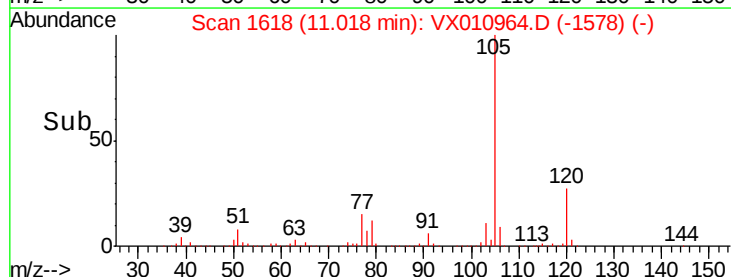
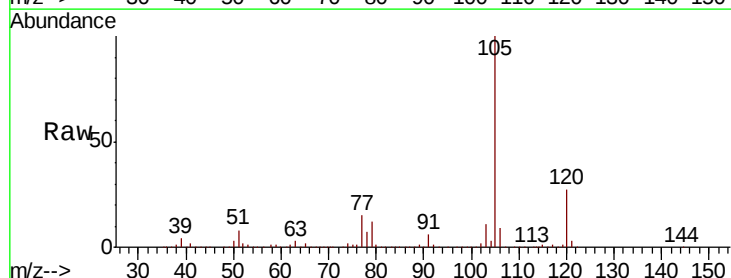
Tgt Ion: 75 Resp: 7928

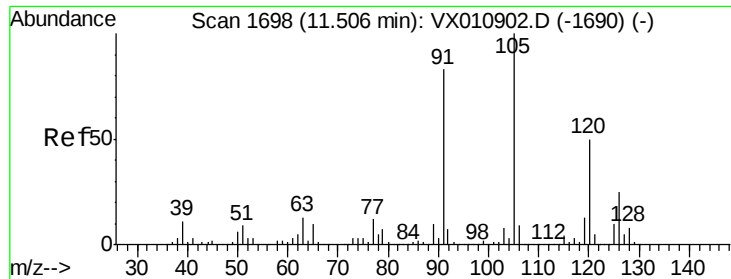
Ion Ratio Lower Upper

75 100

53 99.3 76.7 115.1

89 114.3 38.5 57.7#

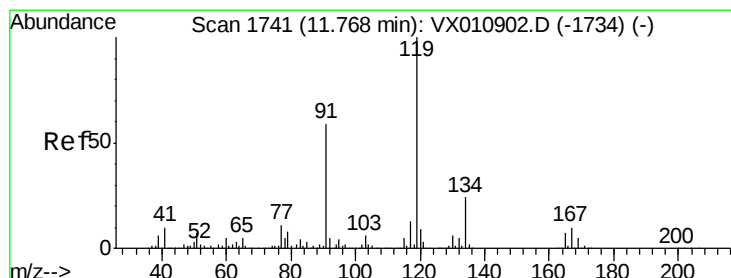
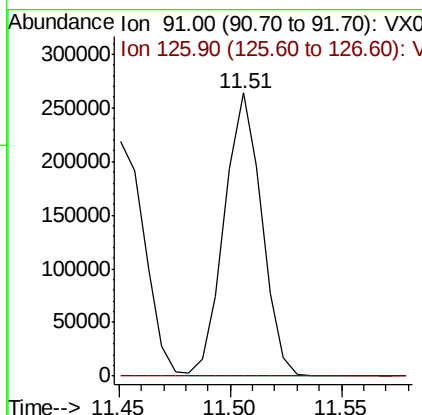
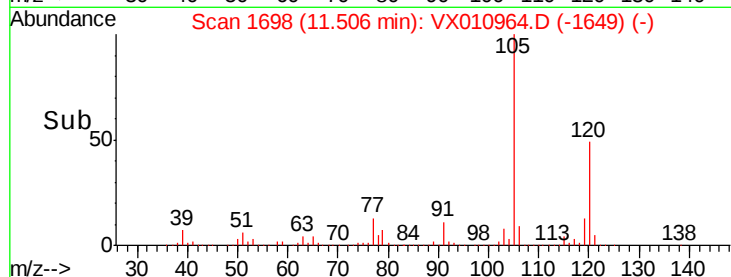
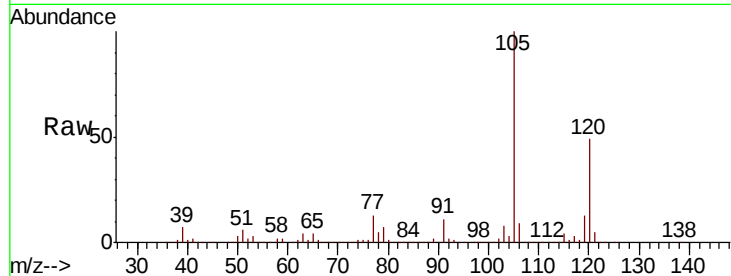




#82
4-Chlorotoluene
Concen: 30.501 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX010964.D
Acq: 18 Jul 2019 17:19

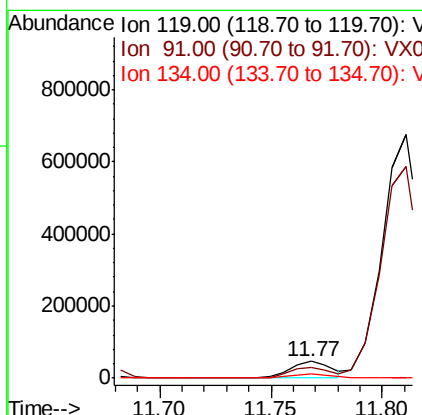
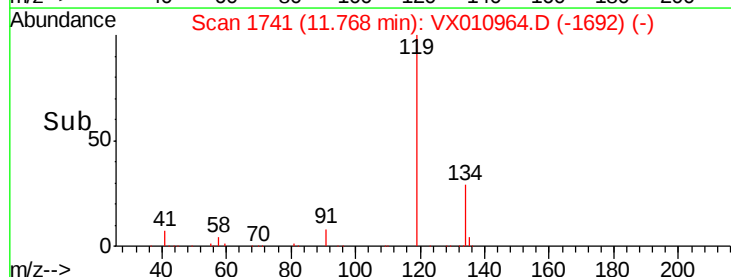
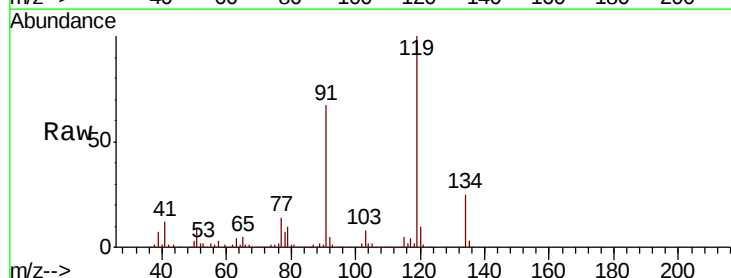
Instrument :
MSVOA_X
ClientSampled :

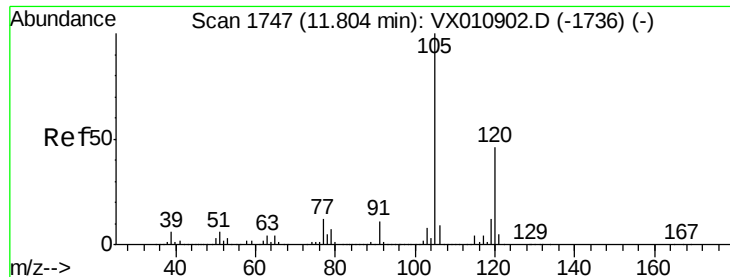
Tot Ion: 91 Resp: 307082
Ion Ratio Lower Upper
91 100
126 0.0 15.9 47.7#



#83
tert-Butylbenzene
Concen: 5.363 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX010964.D
Acq: 18 Jul 2019 17:19

Tgt Ion: 119 Resp: 57365
Ion Ratio Lower Upper
119 100
91 66.4 28.6 85.8
134 25.0 11.6 34.8





#84

1,2,4-Trimethylbenzene

Concen: 593.425 ug/l

RT: 11.81 min Scan# 1748

Delta R.T. 0.01 min

Lab File: VX010964.D

Acq: 18 Jul 2019 17:19

Instrument :

MSVOA_X

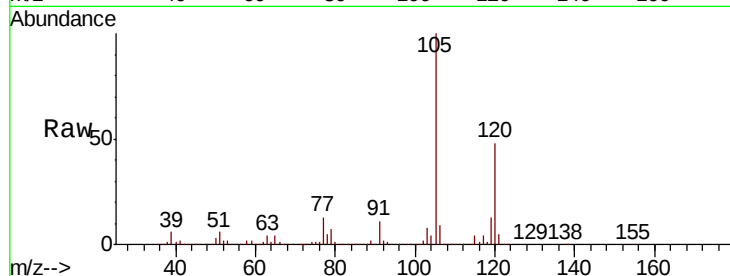
ClientSampleId :

Tot Ion:105 Resp: 6513379

Ion Ratio Lower Upper

105 100

120 47.0 22.9 68.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

6000000

5000000

4000000

3000000

2000000

1000000

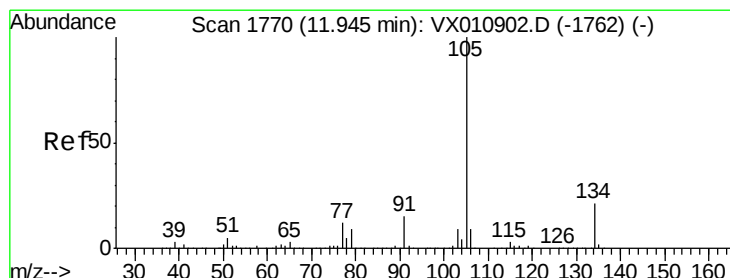
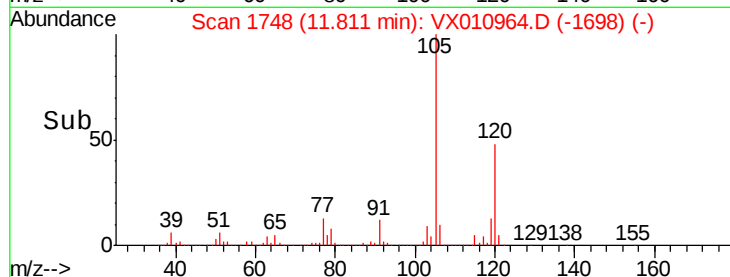
0

11.81

11.80

11.90

Time-->



#85

sec-Butylbenzene

Concen: 519.673 ug/l

RT: 11.81 min Scan# 1748

Delta R.T. -0.13 min

Lab File: VX010964.D

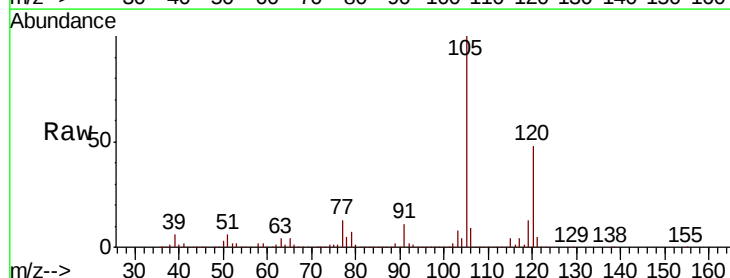
Acq: 18 Jul 2019 17:19

Tgt Ion:105 Resp: 6513379

Ion Ratio Lower Upper

105 100

134 0.0 10.4 31.4#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

6000000

5000000

4000000

3000000

2000000

1000000

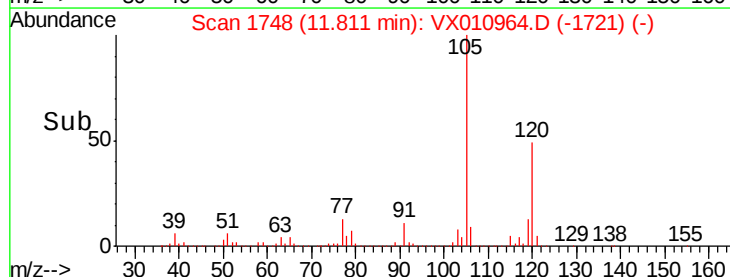
0

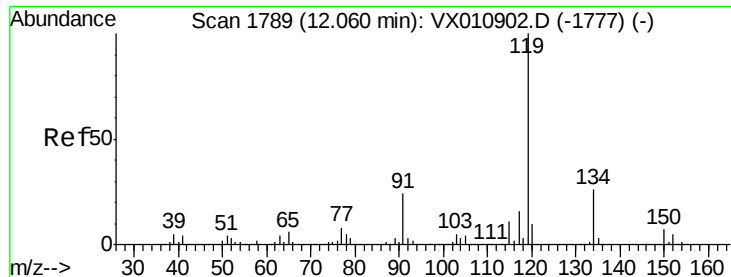
11.81

11.80

11.90

Time-->

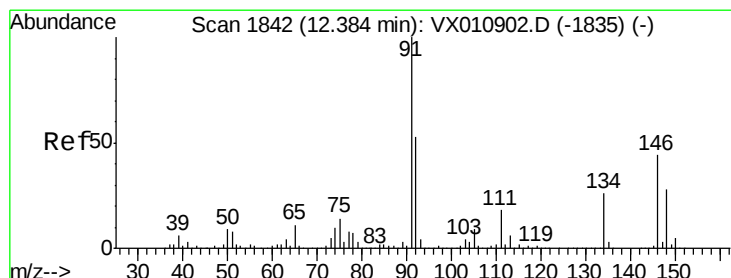
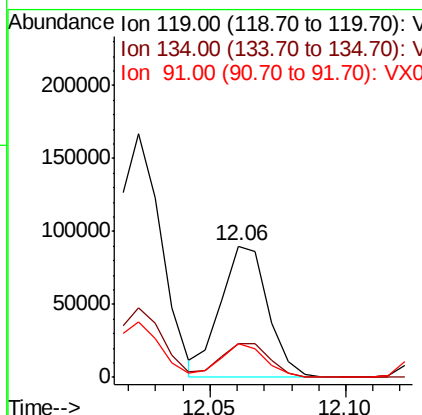
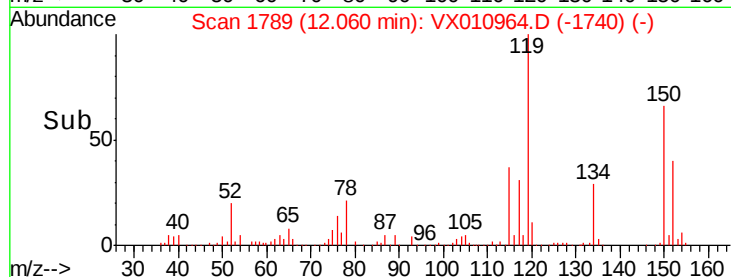
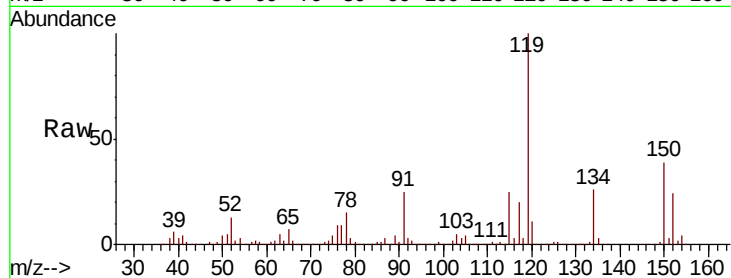




#86
p-Isopropyltoluene
Concen: 9.355 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. 0.00 min
Lab File: VX010964.D
Acq: 18 Jul 2019 17:19

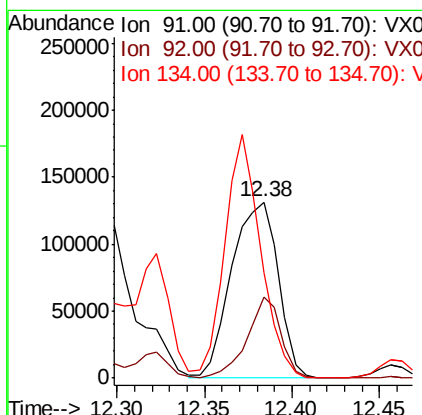
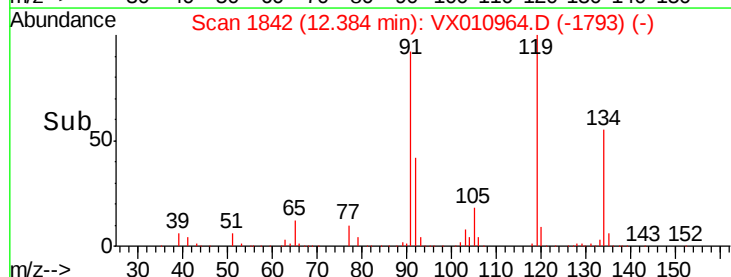
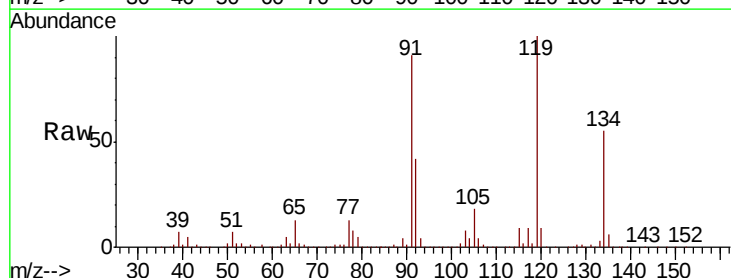
Instrument :
MSVOA_X
ClientSampled :

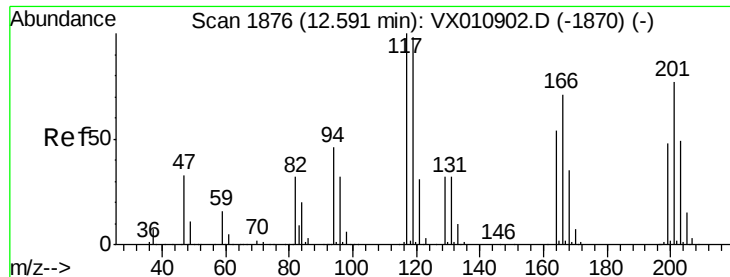
Tot Ion	Ratio	Lower	Upper
119	100		
134	27.3	13.4	40.1
91	24.4	11.8	35.4



#89
n-Butylbenzene
Concen: 24.525 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX010964.D
Acq: 18 Jul 2019 17:19

Tgt Ion	Ratio	Lower	Upper
91	100		
92	33.4	26.2	78.5
134	106.3	13.8	41.3#





#90

Hexachloroethane

Concen: 18.067 ug/l

RT: 12.58 min Scan# 1875

Delta R.T. -0.01 min

Lab File: VX010964.D

Acq: 18 Jul 2019 17:19

Instrument :

MSVOA_X

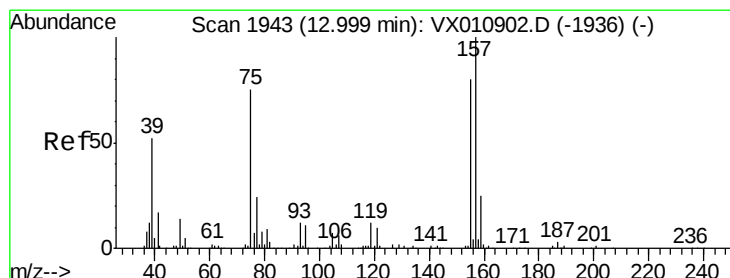
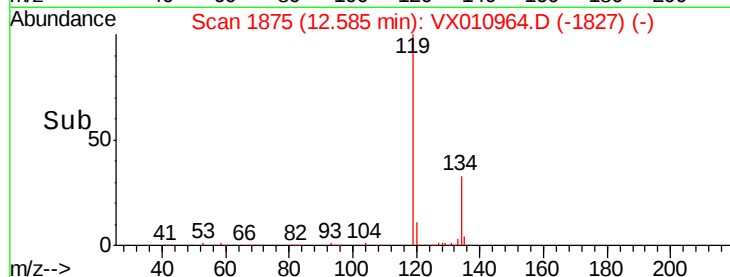
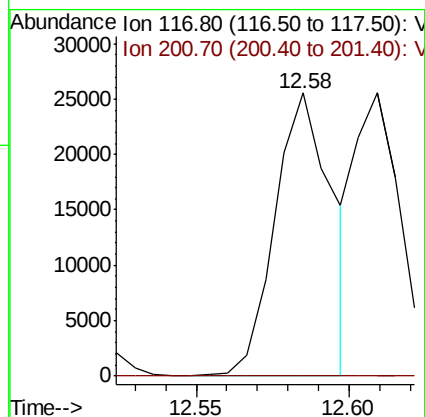
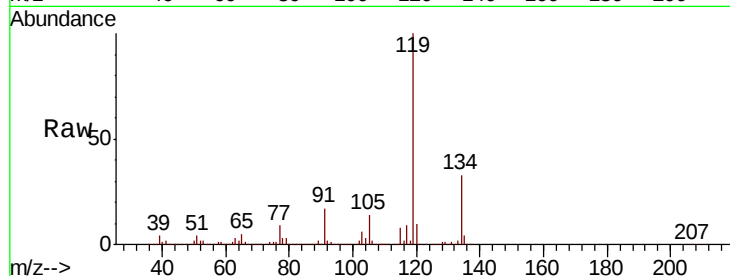
ClientSampleId :

Tot Ion:117 Resp: 33019

Ion Ratio Lower Upper

117 100

201 0.0 43.3 129.8#



#92

1,2-Dibromo-3-Chloropropane

Concen: 3.328 ug/l

RT: 13.02 min Scan# 1946

Delta R.T. 0.02 min

Lab File: VX010964.D

Acq: 18 Jul 2019 17:19

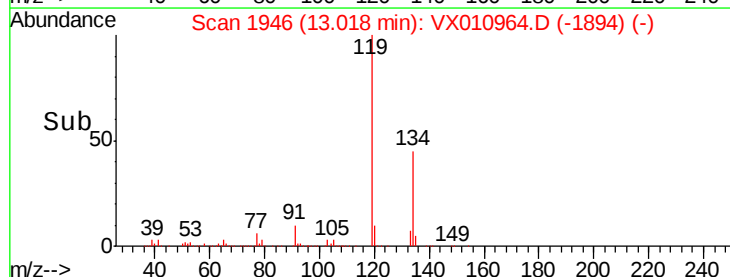
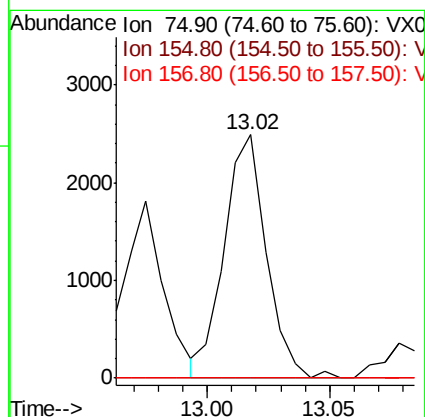
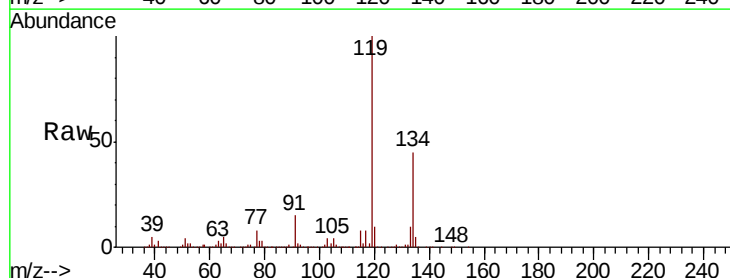
Tgt Ion: 75 Resp: 2967

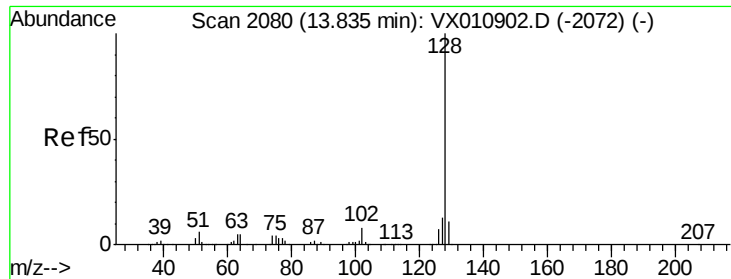
Ion Ratio Lower Upper

75 100

155 0.0 48.7 146.1#

157 0.0 62.5 187.6#

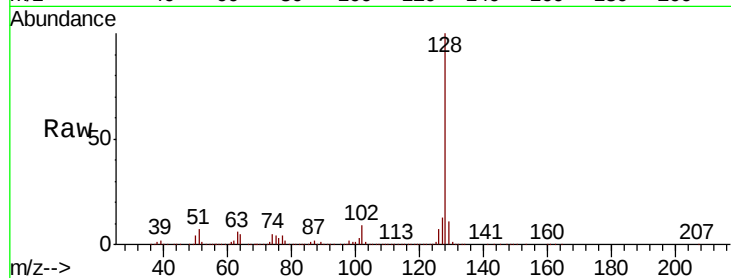




#95
 Naphthalene
 Concen: 91.970 ug/l
 RT: 13.83 min Scan# 2079
 Delta R.T. -0.01 min
 Lab File: VX010964.D
 Acq: 18 Jul 2019 17:19

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:128 Resp: 1137965
 Ion Ratio Lower Upper
 128 100
 127 13.2 10.4 15.6
 129 11.1 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V
 1200000 Ion 127.00 (126.70 to 127.70): V
 1000000 Ion 129.00 (128.70 to 129.70): V

