

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071819\
 Data File : VX010963.D
 Acq On : 18 Jul 2019 16:56
 Operator : JC/SP
 Sample : K3884-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 19 01:34:44 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	5.66	168	228622	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	355449	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	332776	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	177097	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	123253	50.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.36%	
35) Dibromofluoromethane	5.50	113	109419	48.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.00%	
50) Toluene-d8	8.71	98	427968	50.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.16%	
62) 4-Bromofluorobenzene	11.13	95	164926	53.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.06%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.27	85	42	0.563	ug/l # 43
5) Bromomethane	1.65	94	483	0.400	ug/l # 69
6) Chloroethane	1.67	64	445	0.327	ug/l # 82
11) Tert butyl alcohol	3.02	59	2418	4.269	ug/l # 73
13) Acrolein	2.27	56	406	1.241	ug/l # 1
14) Allyl chloride	2.85	41	22707	7.677	ug/l # 65
15) Acrylonitrile	3.18	53	7950	6.946	ug/l # 38
16) Acetone	2.40	43	22241	20.247	ug/l # 47
18) Methyl Acetate	2.85	43	55494	22.186	ug/l # 48
25) 2-Butanone	4.56	43	3550	2.251	ug/l # 46
31) Cyclohexane	5.58	56	407391	123.364	ug/l 99
36) 1,1-Dichloropropene	5.66	75	15252	5.224	ug/l # 48
38) Carbon Tetrachloride	5.66	117	21333	7.012	ug/l # 17
39) Methylcyclohexane	7.46	83	585928	154.751	ug/l 98
41) Methacrylonitrile	4.93	41	432	0.255	ug/l # 33
43) Isopropyl Acetate	6.46	43	7659	1.558	ug/l # 63
45) 1,2-Dichloropropane	7.46	63	6044	2.655	ug/l # 1
47) Bromodichloromethane	7.85	83	1474	0.509	ug/l # 1
48) Methyl methacrylate	7.74	41	26770	11.178	ug/l # 50
49) 1,4-Dioxane	7.71	88	18	0.269	ug/l # 1
51) 4-Methyl-2-Pentanone	8.66	43	6153	1.931	ug/l # 35
55) 1,1,2-Trichloroethane	9.16	97	37348	15.439	ug/l # 18
56) Ethyl methacrylate	9.16	69	8266	2.336	ug/l # 1
59) 2-Hexanone	9.44	43	4471	1.809	ug/l # 30
60) Dibromochloromethane	9.35	129	25	2.536	ug/l # 11
67) Ethyl Benzene	10.25	91	2027621	174.285	ug/l 100
68) m/p-Xylenes	10.36	106	1779982	398.861	ug/l 100
69) o-Xylene	10.70	106	830618	190.713	ug/l 99
70) Styrene	10.70	104	41038	5.652	ug/l # 1
73) Isopropylbenzene	11.02	105	276998	23.148	ug/l 99
74) N-amyl acetate	10.91	43	1374	0.301	ug/l # 1
75) 1,1,1,2,2-Tetrachloroethane	11.28	83	850	0.217	ug/l # 54
76) 1,2,3-Trichloropropane	11.36	75	3026	0.947	ug/l # 1
78) n-propylbenzene	11.36	91	431465	32.633	ug/l 98

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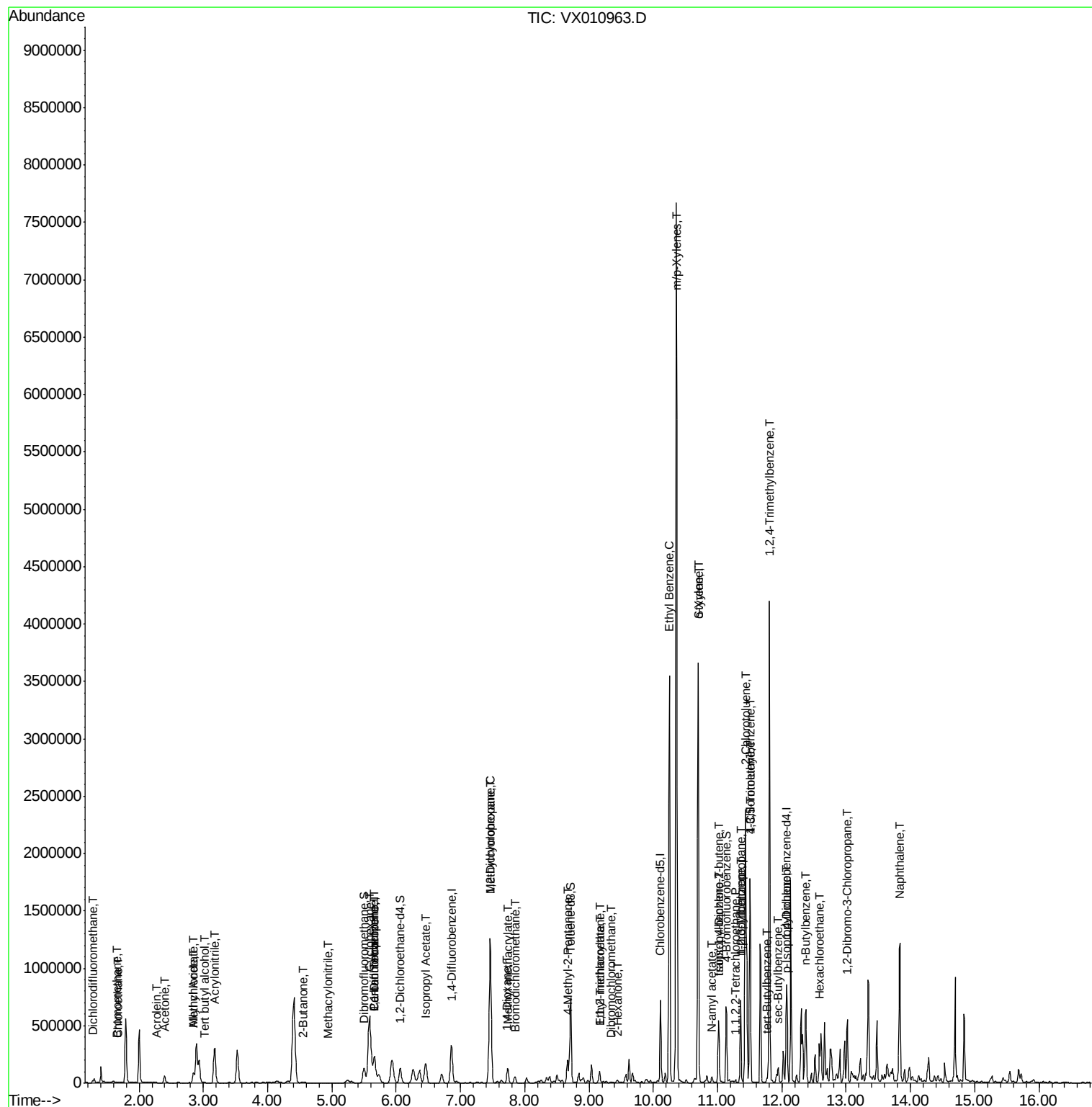
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
79) 2-Chlorotoluene	11.43	91	205505	25.873	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.51	105	744154	74.422	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.02	75	3334	6.412	ug/l #	67
82) 4-Chlorotoluene	11.51	91	80191	8.674	ug/l #	43
83) tert-Butylbenzene	11.77	119	12555	1.278	ug/l	86
84) 1,2,4-Trimethylbenzene	11.80	105	1834217	181.999	ug/l	100
85) sec-Butylbenzene	11.94	105	66944	5.817	ug/l	99
86) p-Isopropyltoluene	12.06	119	68182	6.408	ug/l	98
89) n-Butylbenzene	12.38	91	88623	9.736	ug/l #	21
90) Hexachloroethane	12.58	117	14883	8.869	ug/l #	6
92) 1,2-Dibromo-3-Chloropropan	13.01	75	1931	2.359	ug/l #	1
95) Naphthalene	13.83	128	760415	66.931	ug/l	99

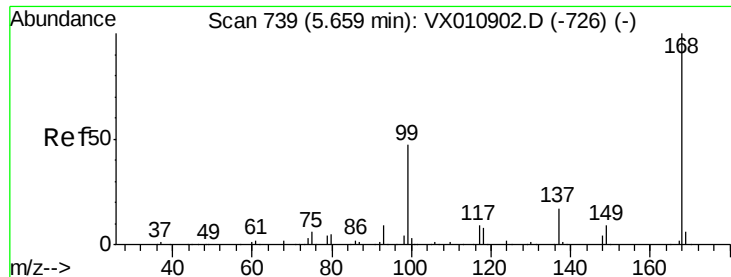
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX010963.D

Acq: 18 Jul 2019 16:56

Instrument :

MSVOA_X

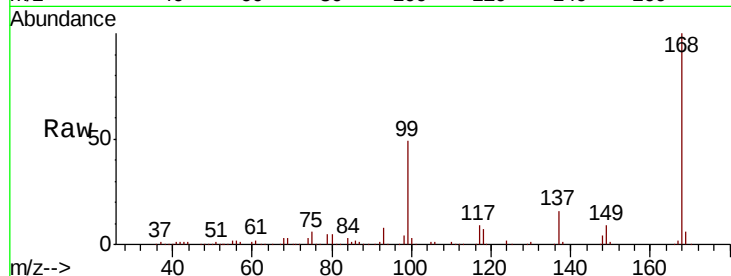
ClientSampled :

Tot Ion:168 Resp: 228622

Ion Ratio Lower Upper

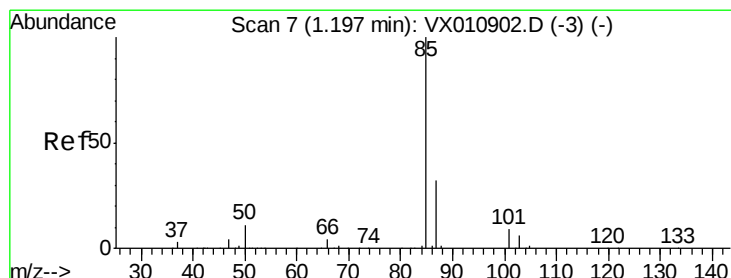
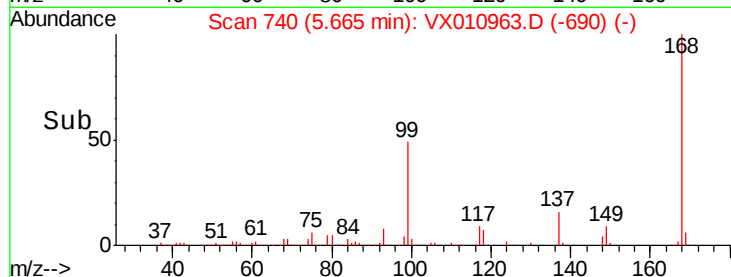
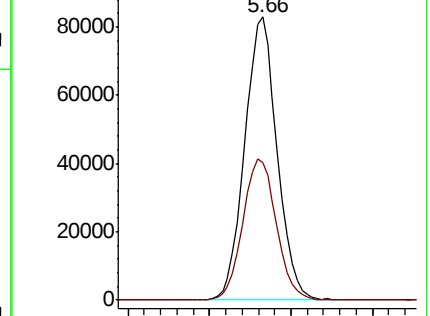
168 100

99 48.7 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 0.563 ug/l

RT: 1.27 min Scan# 19

Delta R.T. 0.07 min

Lab File: VX010963.D

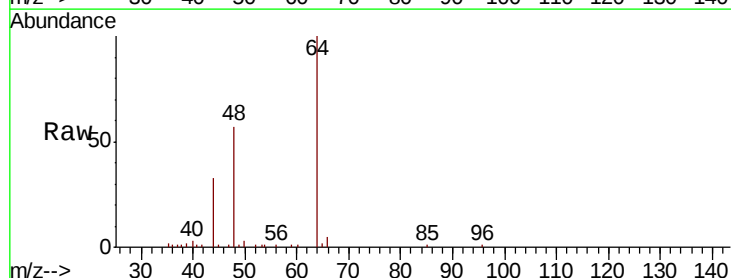
Acq: 18 Jul 2019 16:56

Tgt Ion: 85 Resp: 42

Ion Ratio Lower Upper

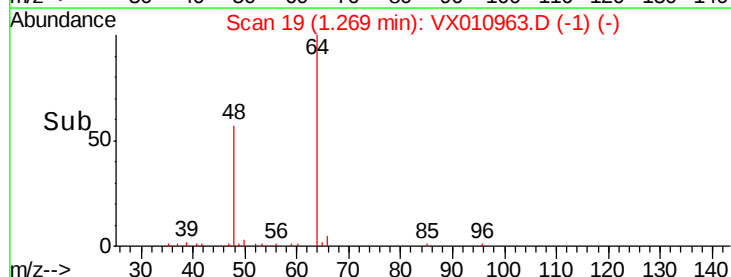
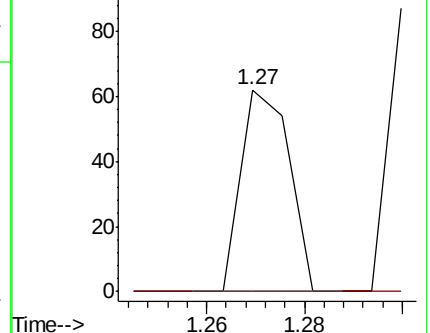
85 100

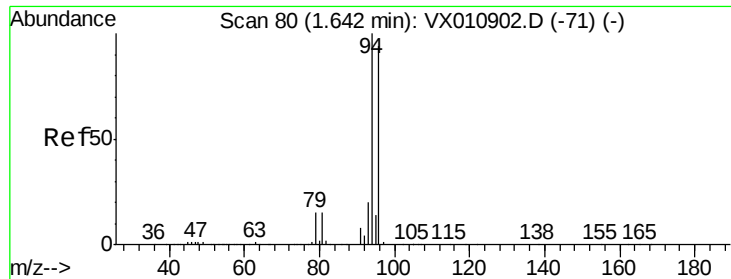
87 0.0 15.9 47.7#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#5

Bromomethane

Concen: 0.400 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.01 min

Lab File: VX010963.D

Acq: 18 Jul 2019 16:56

Instrument :

MSVOA_X

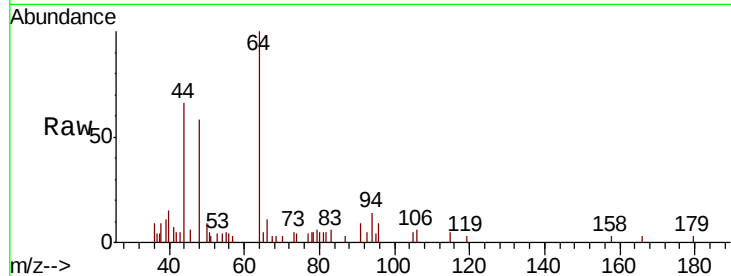
ClientSampleId :

Tot Ion: 94 Resp: 483

Ion Ratio Lower Upper

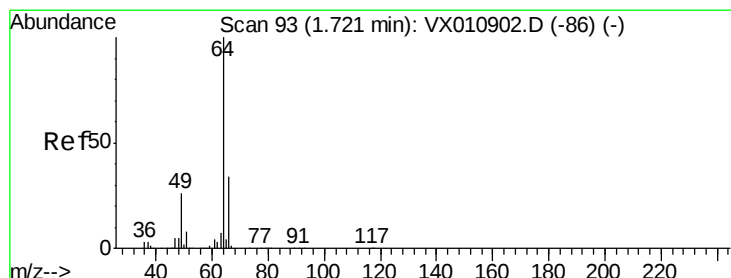
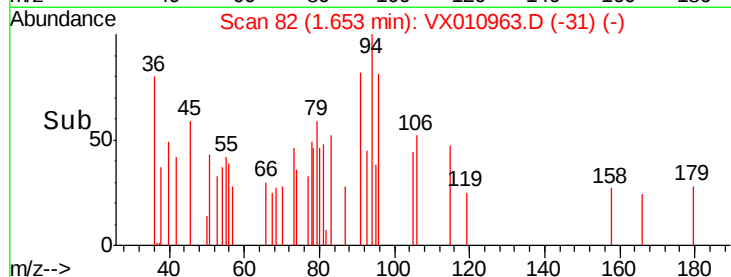
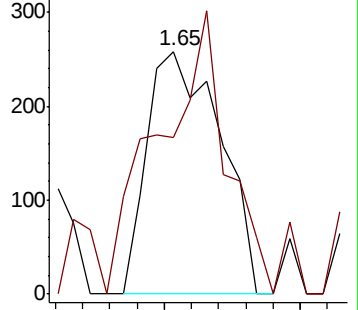
94 100

96 64.5 75.6 113.4#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 0.327 ug/l

RT: 1.67 min Scan# 84

Delta R.T. -0.06 min

Lab File: VX010963.D

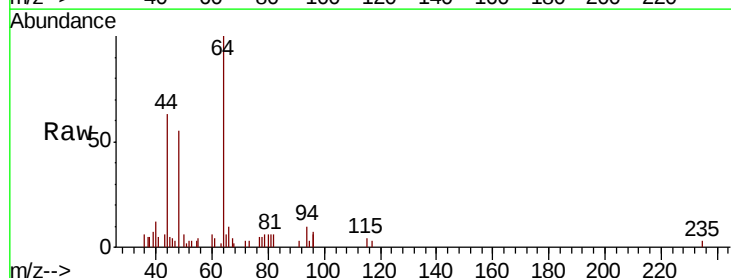
Acq: 18 Jul 2019 16:56

Tgt Ion: 64 Resp: 445

Ion Ratio Lower Upper

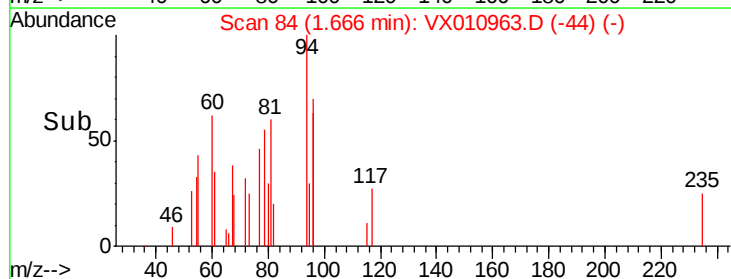
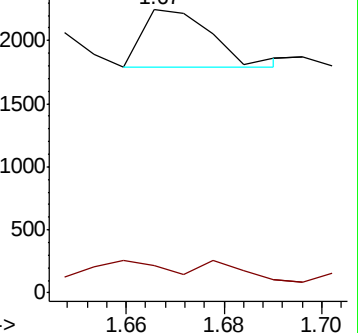
64 100

66 23.2 27.0 40.6#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



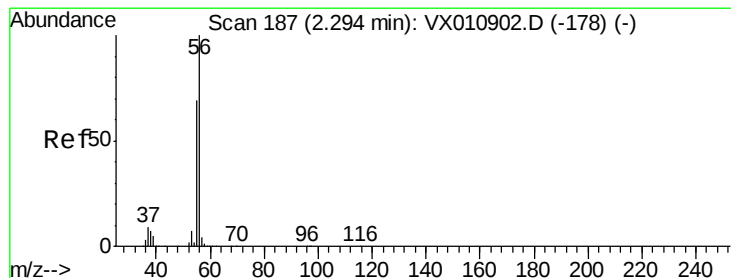
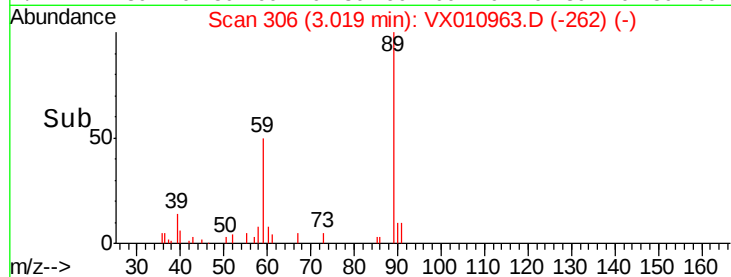
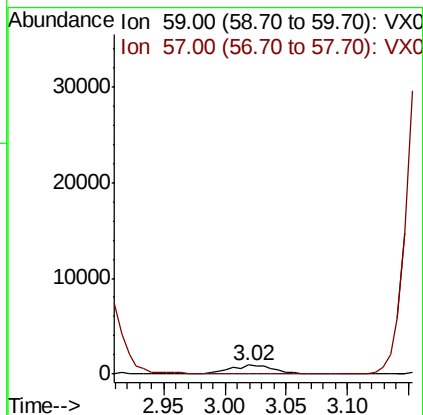
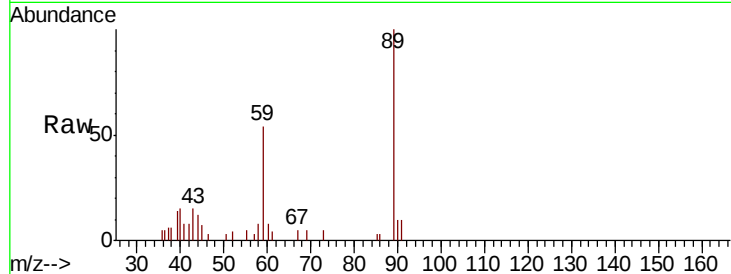


#11

Tert butyl alcohol
 Concen: 4.269 ug/l
 RT: 3.02 min Scan# 306
 Delta R.T. -0.03 min
 Lab File: VX010963.D
 Acq: 18 Jul 2019 16:56

Instrument :
 MSVOA_X
 ClientSampleId :

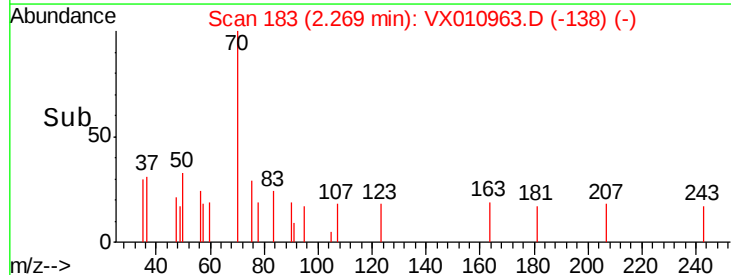
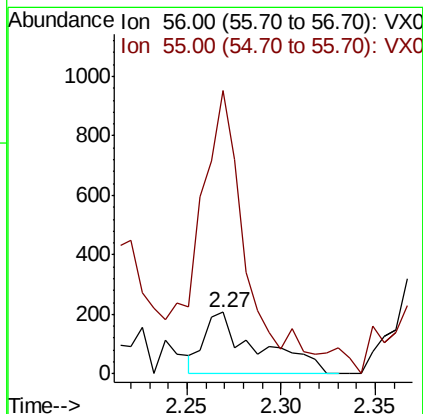
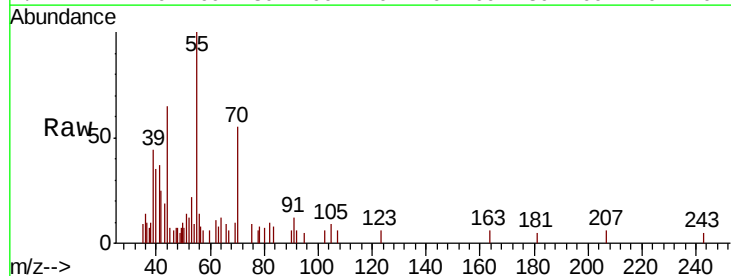
Tot Ion: 59 Resp: 2418
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.9 11.9#

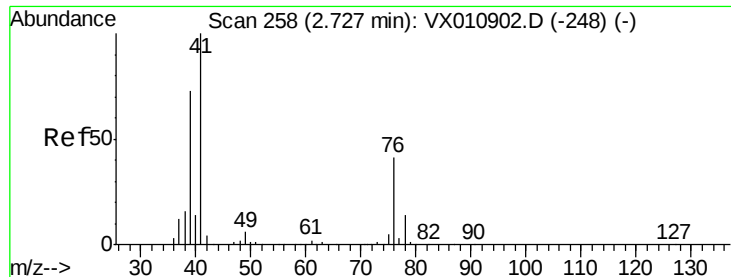


#13

Acrolein
 Concen: 1.241 ug/l
 RT: 2.27 min Scan# 183
 Delta R.T. -0.02 min
 Lab File: VX010963.D
 Acq: 18 Jul 2019 16:56

Tgt Ion: 56 Resp: 406
 Ion Ratio Lower Upper
 56 100
 55 371.7 55.9 83.9#





#14

Allvl chloride

Concen: 7.677 ug/l

RT: 2.85 min Scan# 278

Delta R.T. 0.12 min

Lab File: VX010963.D

Acq: 18 Jul 2019 16:56

Instrument :

MSVOA_X

ClientSampled :

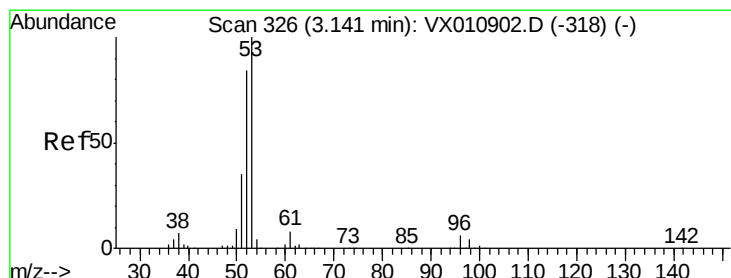
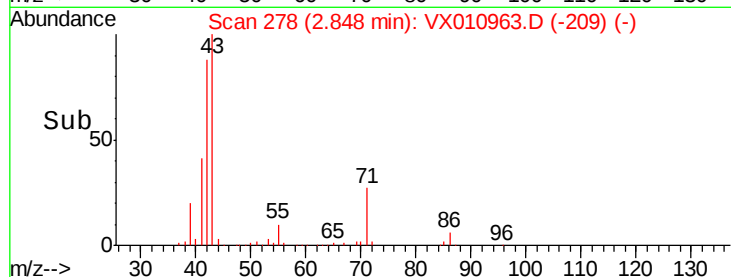
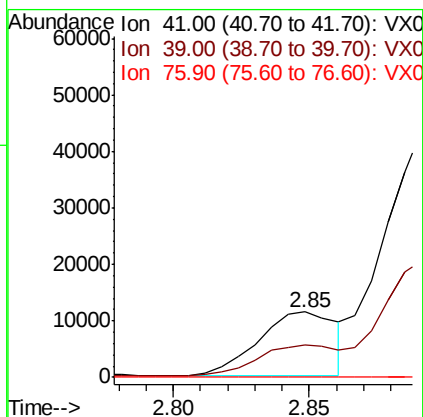
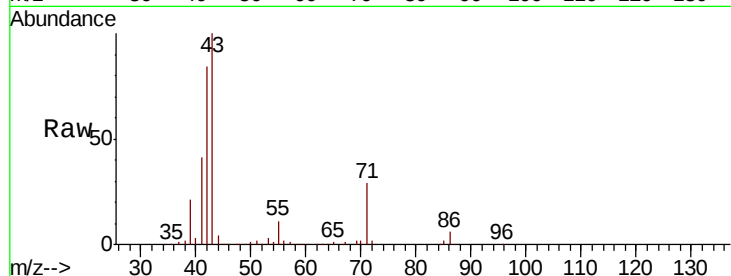
Tot Ion: 41 Resp: 22707

Ion Ratio Lower Upper

41 100

39 50.3 53.6 80.4#

76 0.3 29.7 44.5#



#15

Acrylonitrile

Concen: 6.946 ug/l

RT: 3.18 min Scan# 332

Delta R.T. 0.04 min

Lab File: VX010963.D

Acq: 18 Jul 2019 16:56

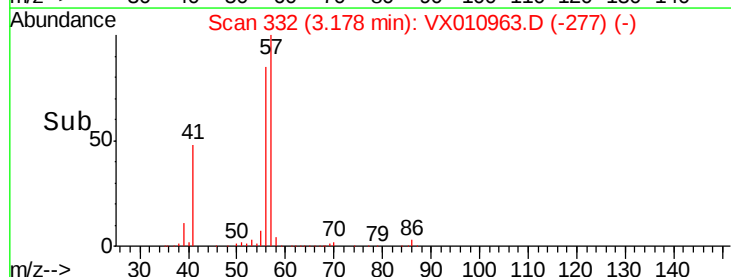
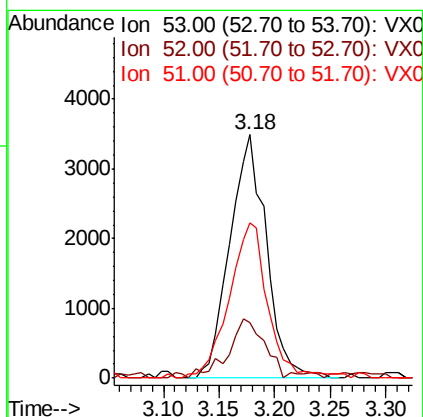
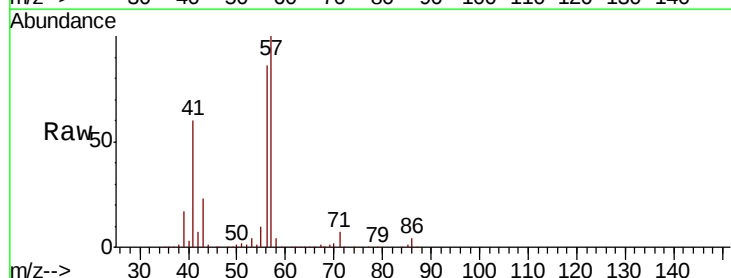
Tgt Ion: 53 Resp: 7950

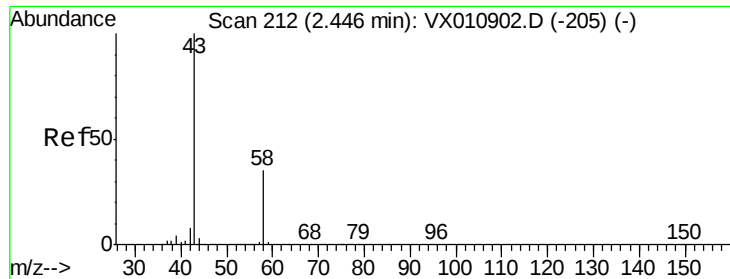
Ion Ratio Lower Upper

53 100

52 25.2 66.5 99.7#

51 67.6 28.2 42.4#





#16

Acetone

Concen: 20.247 ug/l

RT: 2.40 min Scan# 204

Delta R.T. -0.05 min

Lab File: VX010963.D

Acq: 18 Jul 2019 16:56

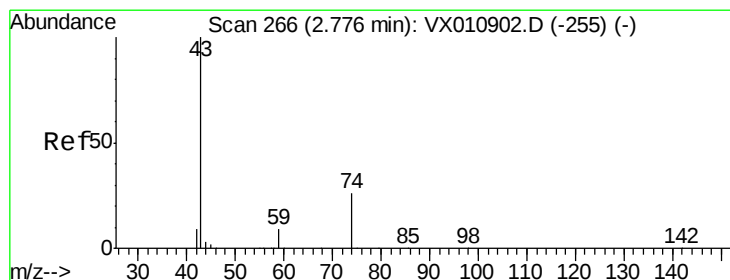
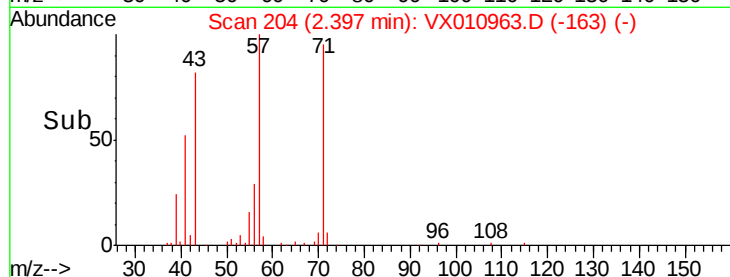
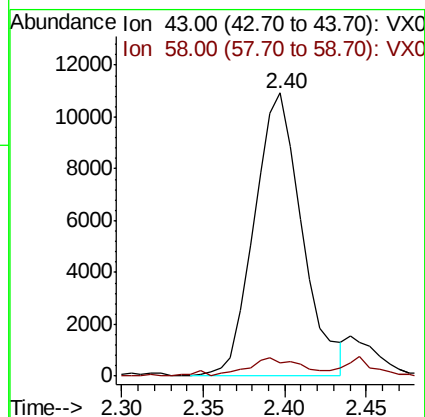
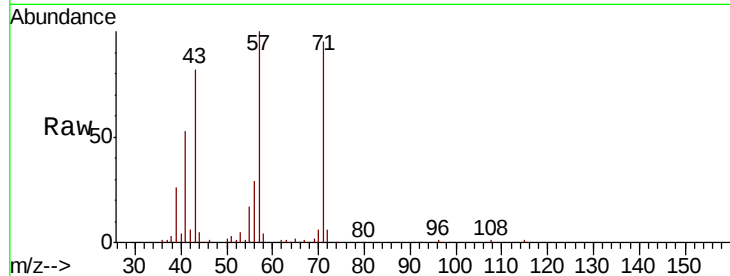
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43 Resp: 22241

Ion Ratio Lower Upper

43 100

58 4.1 27.7 41.5#



#18

Methyl Acetate

Concen: 22.186 ug/l

RT: 2.85 min Scan# 278

Delta R.T. 0.07 min

Lab File: VX010963.D

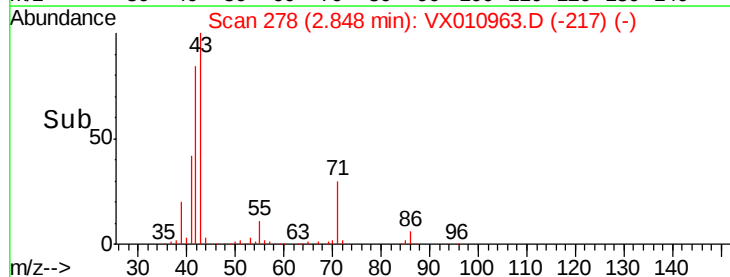
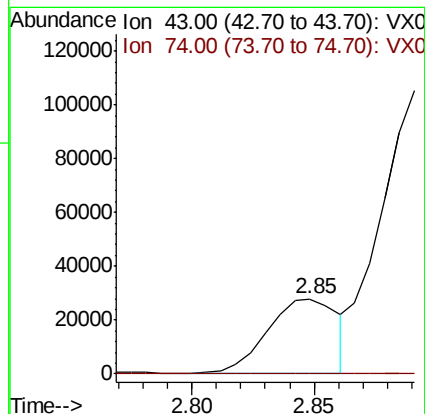
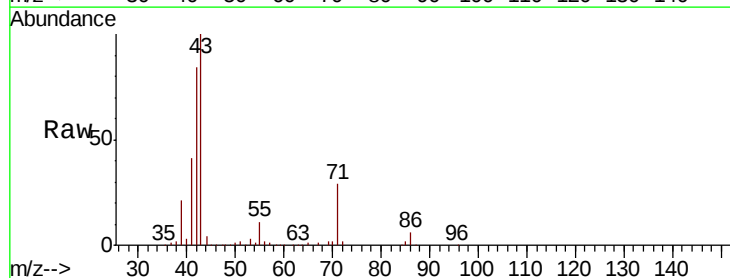
Acq: 18 Jul 2019 16:56

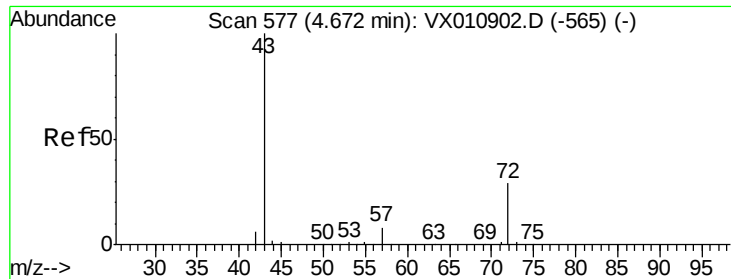
Tgt Ion: 43 Resp: 55494

Ion Ratio Lower Upper

43 100

74 0.1 21.5 32.3#

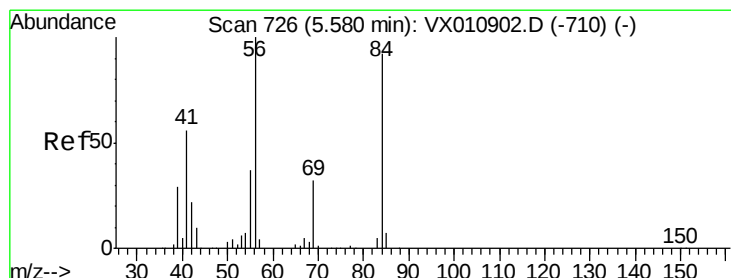
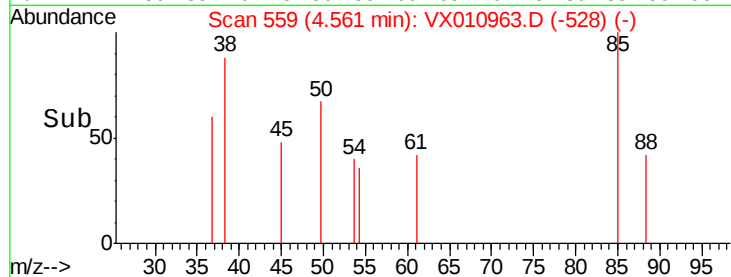
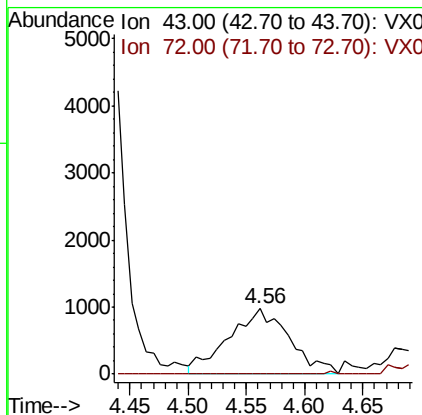
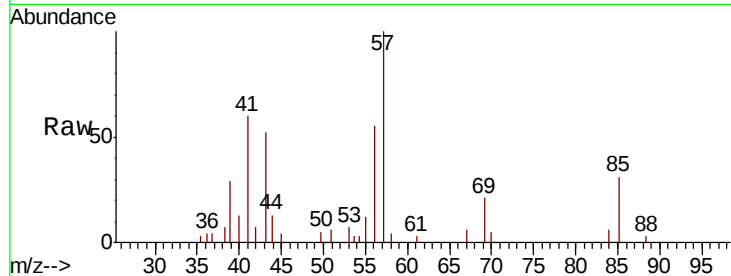




#25
2-Butanone
Concen: 2.251 ug/l
RT: 4.56 min Scan# 559
Delta R.T. -0.11 min
Lab File: VX010963.D
Acq: 18 Jul 2019 16:56

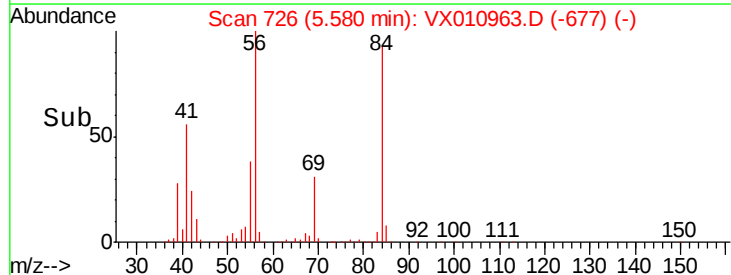
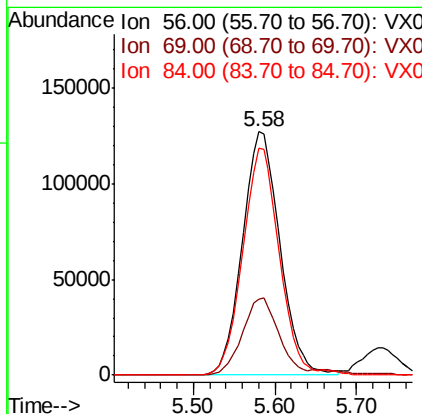
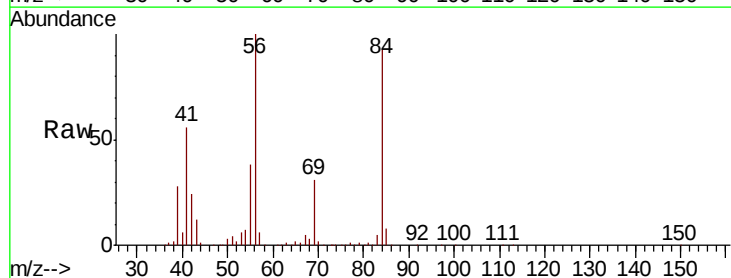
Instrument :
MSVOA_X
ClientSampled :

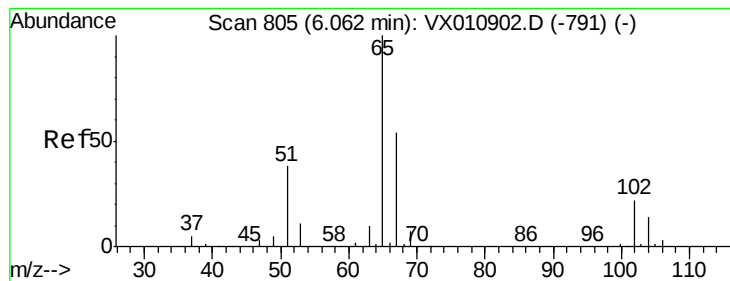
Tot Ion: 43 Resp: 3550
Ion Ratio Lower Upper
43 100
72 0.0 23.0 34.6#



#31
Cyclohexane
Concen: 123.364 ug/l
RT: 5.58 min Scan# 726
Delta R.T. -0.00 min
Lab File: VX010963.D
Acq: 18 Jul 2019 16:56

Tgt Ion: 56 Resp: 407391
Ion Ratio Lower Upper
56 100
69 30.8 25.8 38.8
84 93.1 73.8 110.6





#33

1,2-Dichloroethane-d4

Concen: 50.676 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX010963.D

Acq: 18 Jul 2019 16:56

Instrument :

MSVOA_X

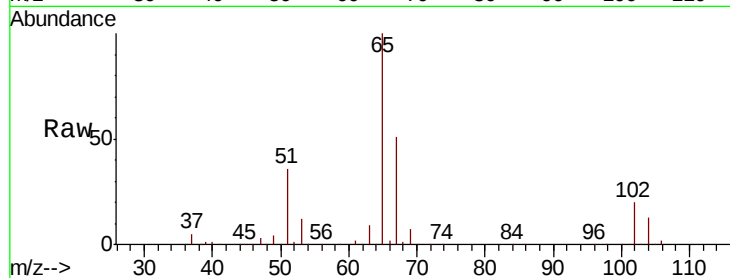
ClientSampled :

Tot Ion: 65 Resp: 123253

Ion Ratio Lower Upper

65 100

67 52.5 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

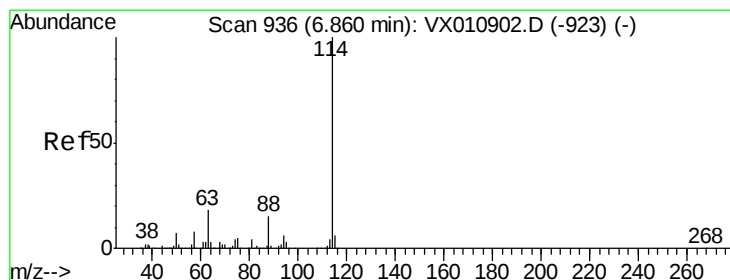
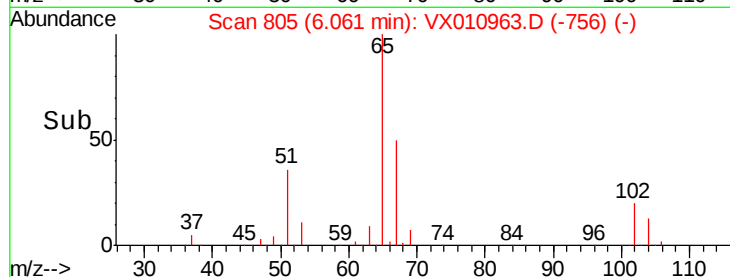
20000

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: VX010963.D

Acq: 18 Jul 2019 16:56

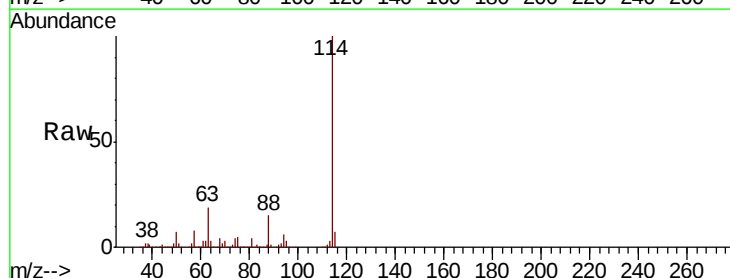
Tgt Ion: 114 Resp: 355449

Ion Ratio Lower Upper

114 100

63 18.6 0.0 35.6

88 15.4 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

6.86

200000

150000

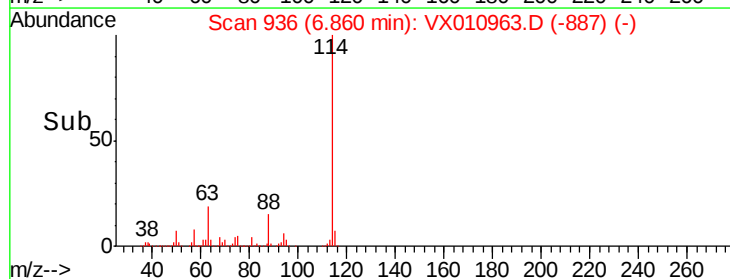
100000

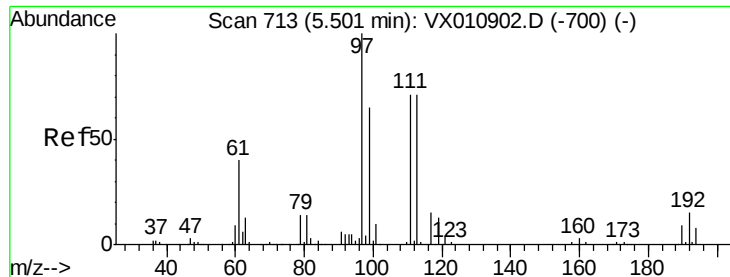
50000

0

6.70 6.80 6.90 7.00 7.10

Time-->





#35

Dibromofluoromethane

Concen: 48.499 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX010963.D

Acq: 18 Jul 2019 16:56

Instrument :
MSVOA_X
ClientSampleId :

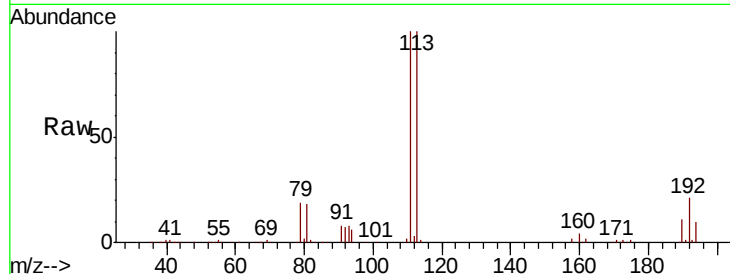
Tot Ion:113 Resp: 109419

Ion Ratio Lower Upper

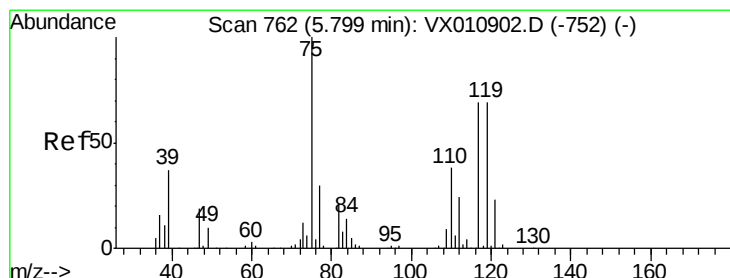
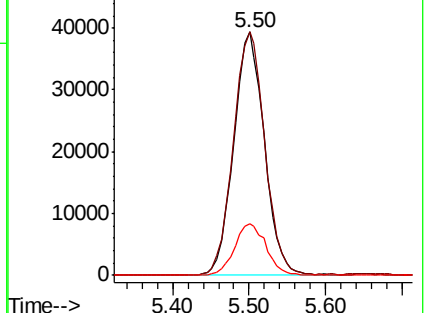
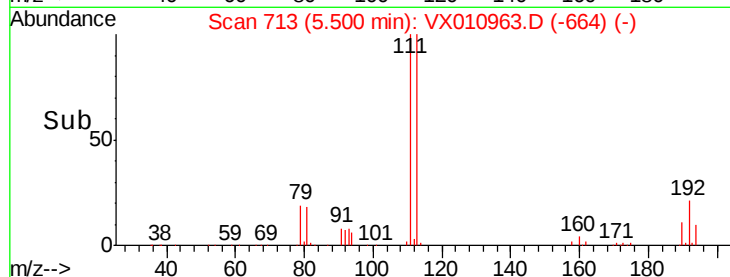
113 100

111 102.1 82.3 123.5

192 21.6 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: 5.224 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX010963.D

Acq: 18 Jul 2019 16:56

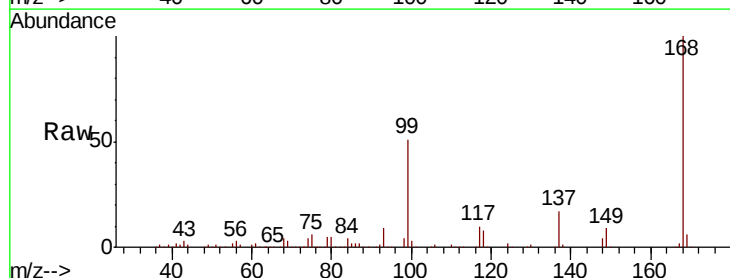
Tgt Ion: 75 Resp: 15252

Ion Ratio Lower Upper

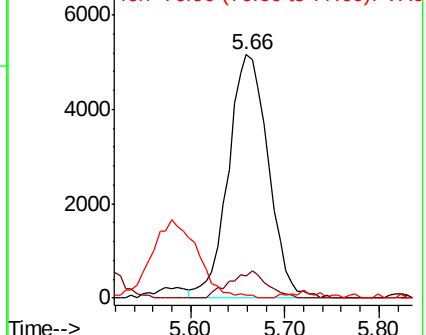
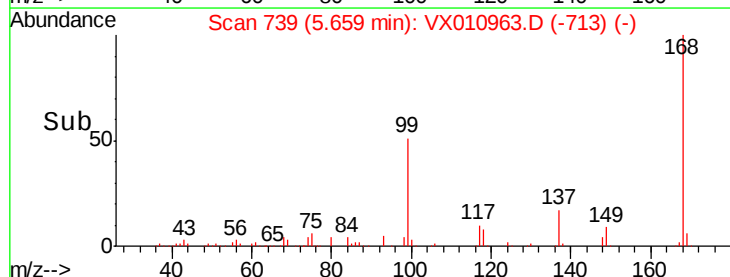
75 100

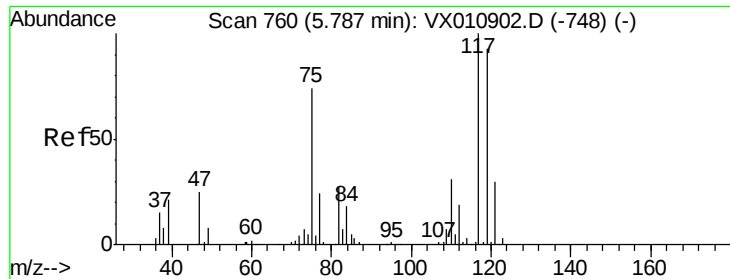
110 10.4 19.9 59.7#

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

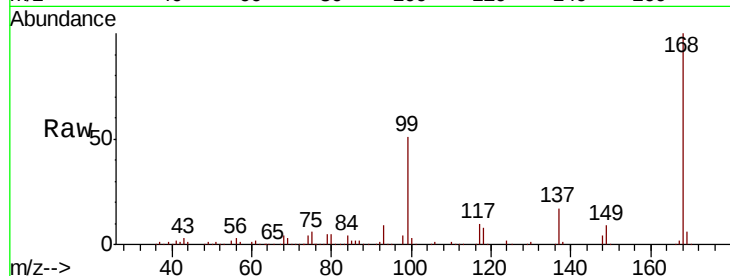




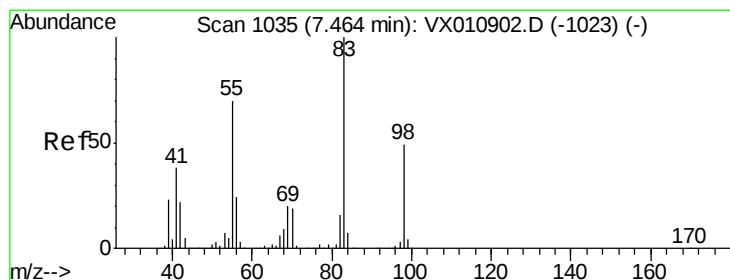
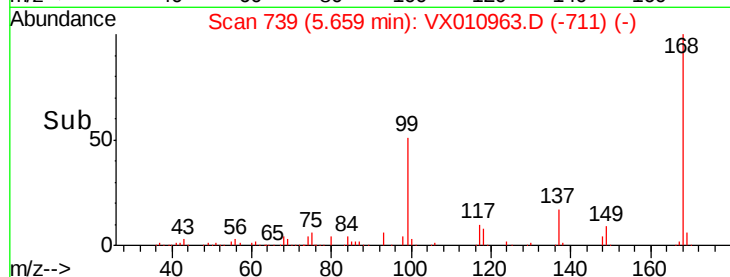
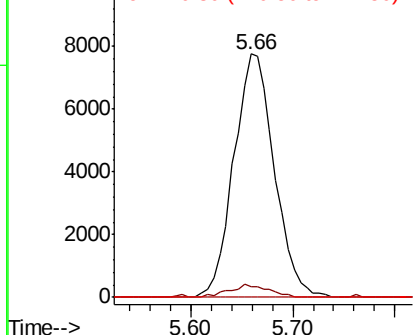
#38
Carbon Tetrachloride
Concen: 7.012 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.13 min
Lab File: VX010963.D
Acq: 18 Jul 2019 16:56

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:117 Resp: 21333
Ion Ratio Lower Upper
117 100
119 4.2 74.2 111.2#
121 0.0 24.2 36.2#

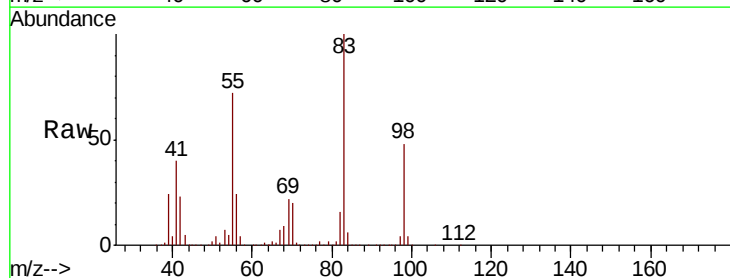


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

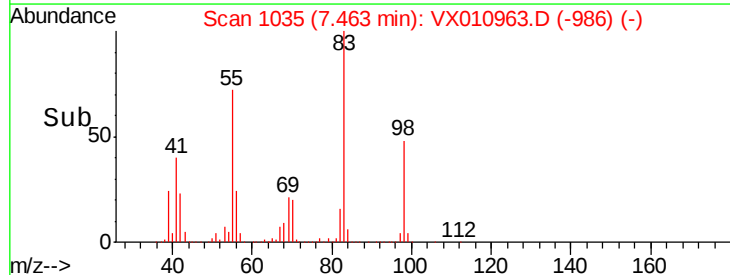
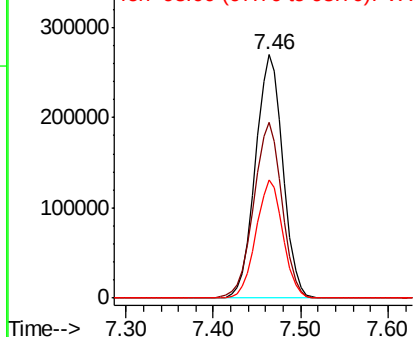


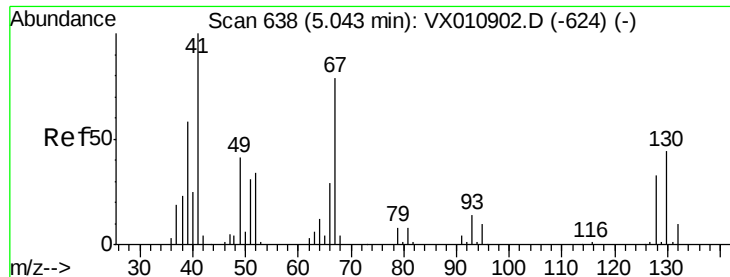
#39
Methylcyclohexane
Concen: 154.751 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX010963.D
Acq: 18 Jul 2019 16:56

Tgt Ion: 83 Resp: 585928
Ion Ratio Lower Upper
83 100
55 72.4 56.2 84.4
98 48.3 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: 0.255 ug/l

RT: 4.93 min Scan# 619

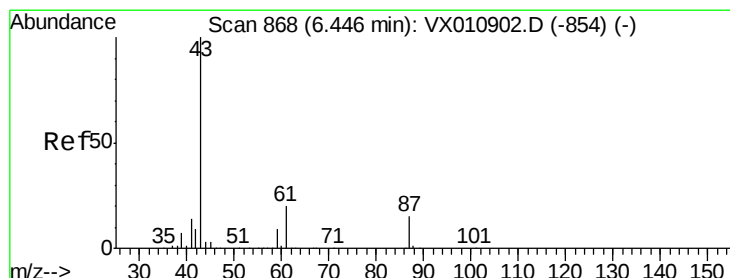
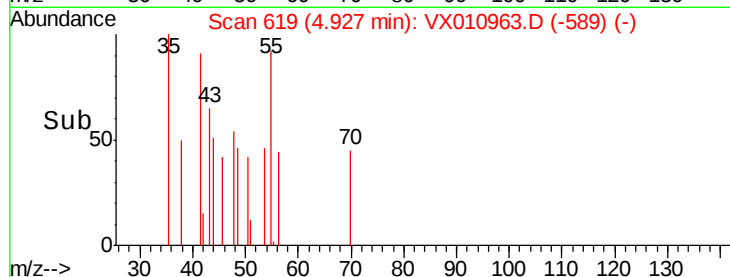
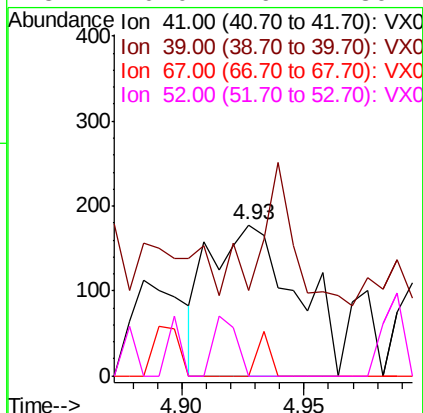
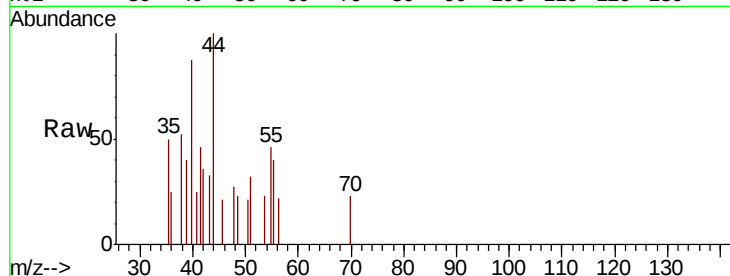
Delta R.T. -0.12 min

Lab File: VX010963.D

Acq: 18 Jul 2019 16:56

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:	41	Resp:	432
Ion	Ratio	Lower	Upper
41	100		
39	30.8	45.4	68.2#
67	0.0	65.9	98.9#
52	0.0	26.2	39.2#



#43

Isopropyl Acetate

Concen: 1.558 ug/l

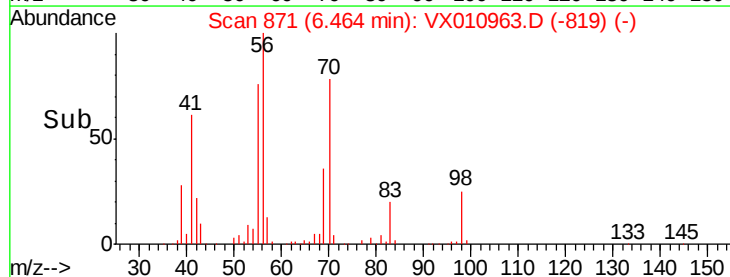
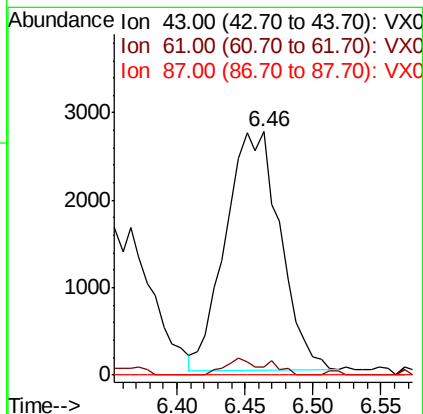
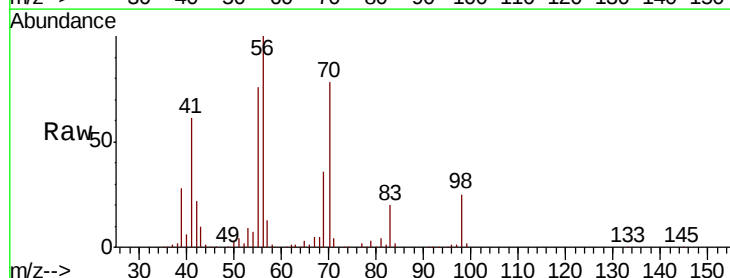
RT: 6.46 min Scan# 871

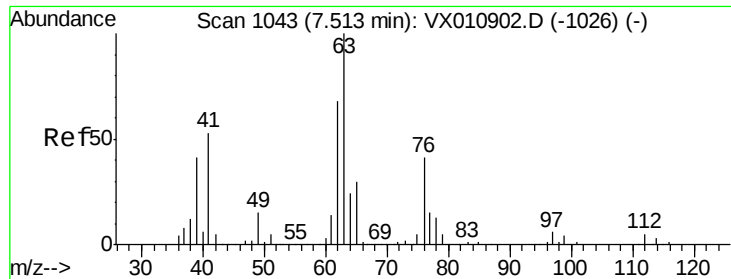
Delta R.T. 0.02 min

Lab File: VX010963.D

Acq: 18 Jul 2019 16:56

Tgt Ion:	43	Resp:	7659
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: 2.655 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. -0.05 min

Lab File: VX010963.D

Acq: 18 Jul 2019 16:56

Instrument :

MSVOA_X

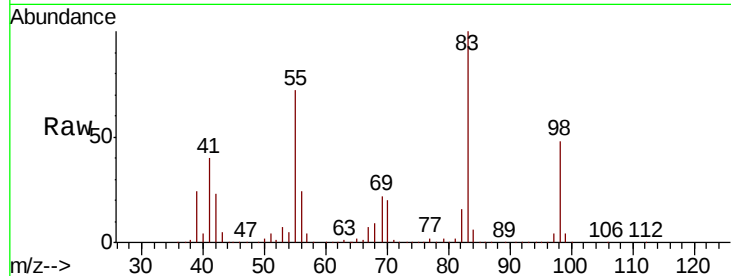
ClientSampleId :

Tot Ion: 63 Resp: 6044

Ion Ratio Lower Upper

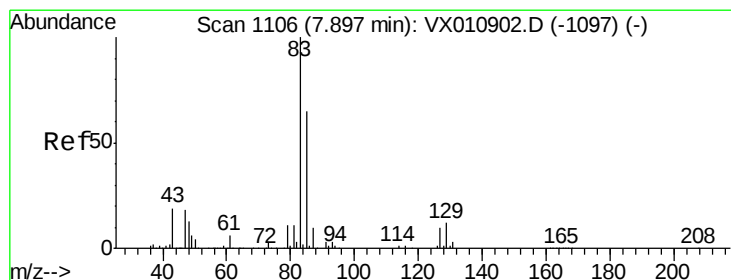
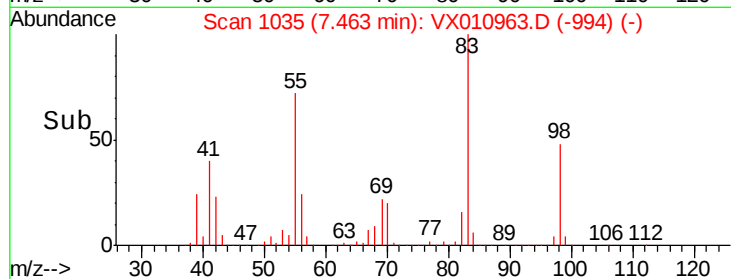
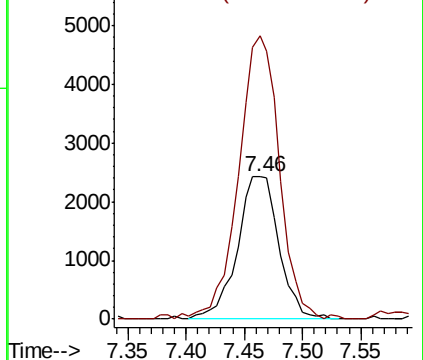
63 100

65 196.3 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: 0.509 ug/l

RT: 7.85 min Scan# 1098

Delta R.T. -0.05 min

Lab File: VX010963.D

Acq: 18 Jul 2019 16:56

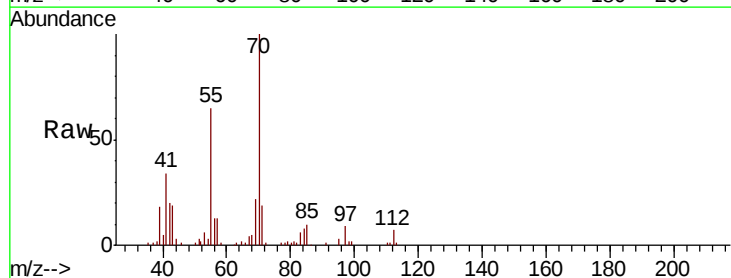
Tgt Ion: 83 Resp: 1474

Ion Ratio Lower Upper

83 100

85 179.0 52.5 78.7#

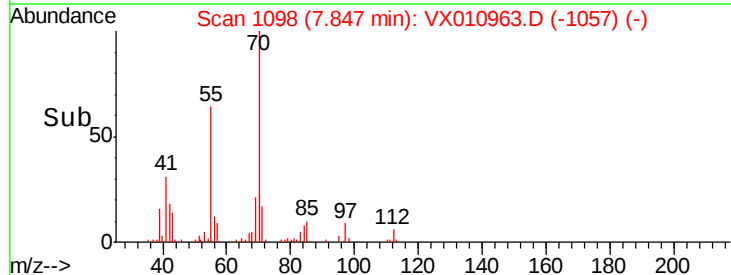
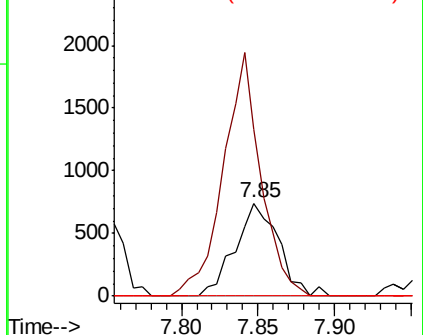
127 0.0 7.8 11.8#

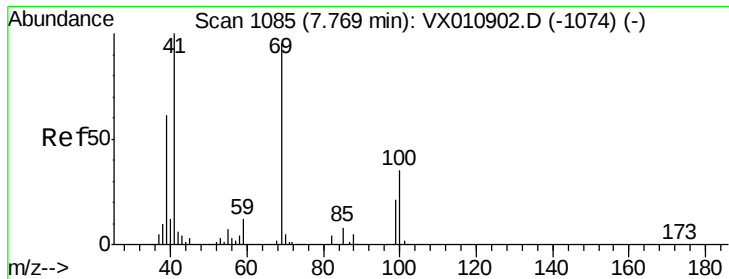


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V

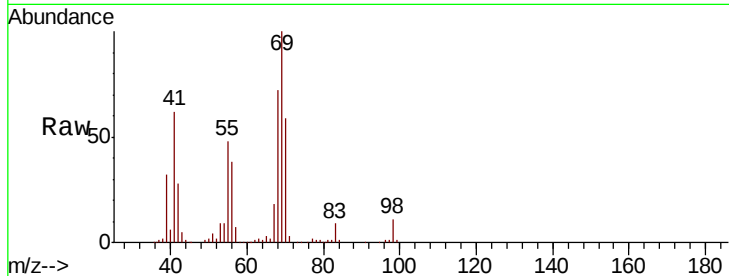




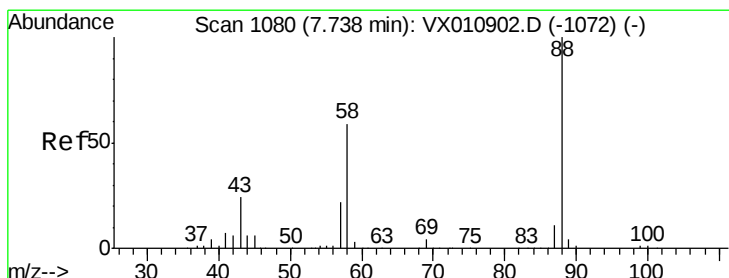
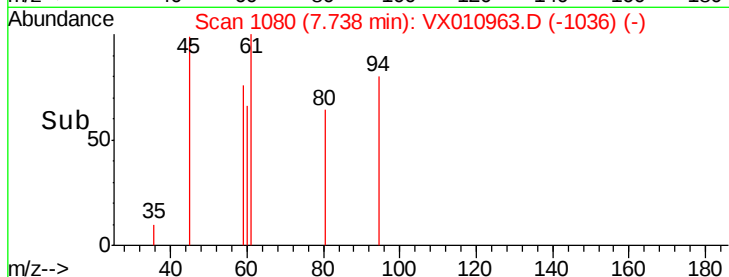
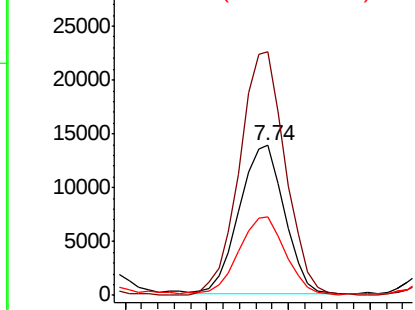
#48
Methvl methacrylate
Concen: 11.178 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.03 min
Lab File: VX010963.D
Acq: 18 Jul 2019 16:56

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 41 Resp: 26770
Ion Ratio Lower Upper
41 100
69 165.7 74.4 111.6#
39 53.2 48.9 73.3

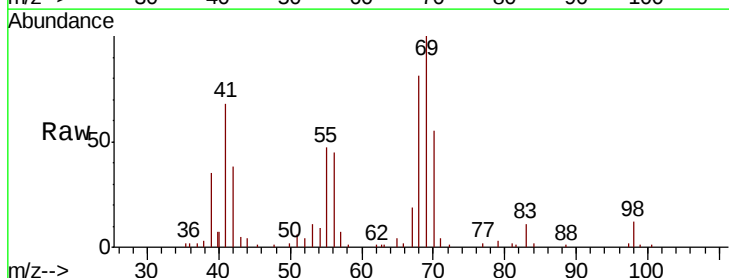


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0

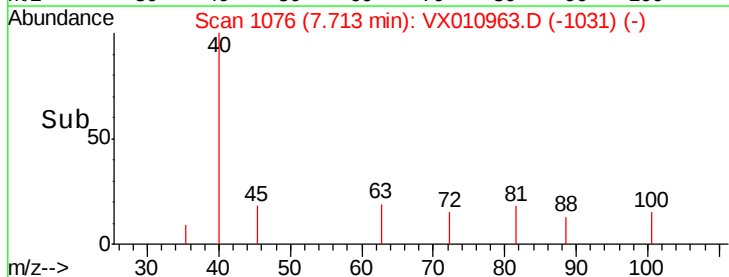
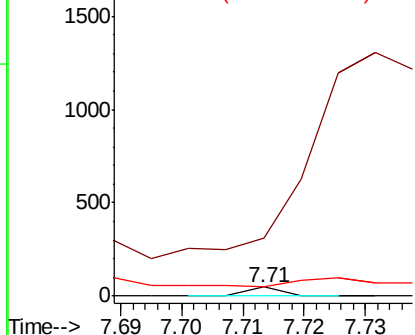


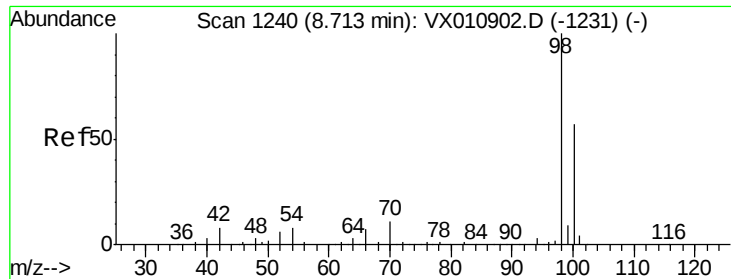
#49
1,4-Dioxane
Concen: 0.269 ug/l
RT: 7.71 min Scan# 1076
Delta R.T. -0.02 min
Lab File: VX010963.D
Acq: 18 Jul 2019 16:56

Tgt Ion: 88 Resp: 18
Ion Ratio Lower Upper
88 100
43 13366.7 22.9 34.3#
58 261.1 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: 50.576 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX010963.D

Acq: 18 Jul 2019 16:56

Instrument :

MSVOA_X

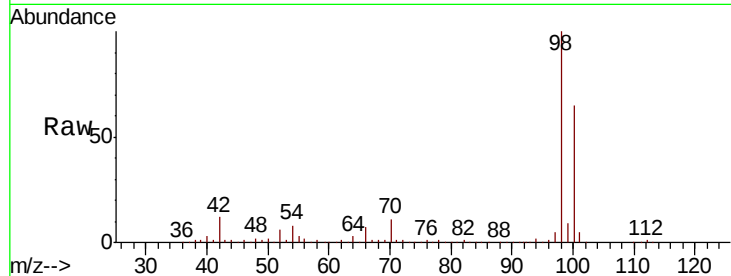
ClientSampleId :

Tot Ion: 98 Resp: 427968

Ion Ratio Lower Upper

98 100

100 64.1 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

250000

200000

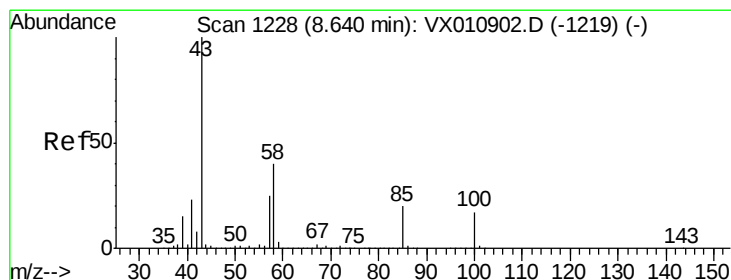
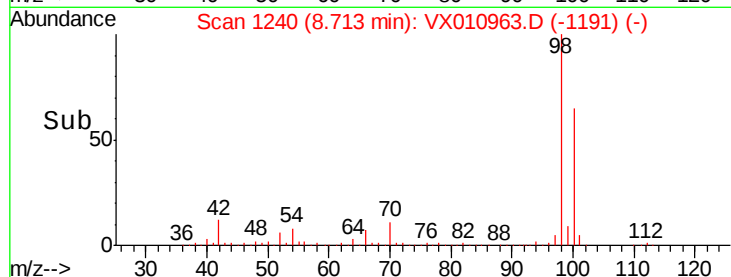
150000

100000

50000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.931 ug/l

RT: 8.66 min Scan# 1232

Delta R.T. 0.02 min

Lab File: VX010963.D

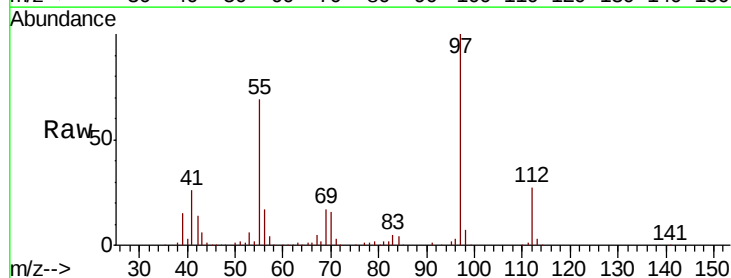
Acq: 18 Jul 2019 16:56

Tgt Ion: 43 Resp: 6153

Ion Ratio Lower Upper

43 100

58 0.0 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

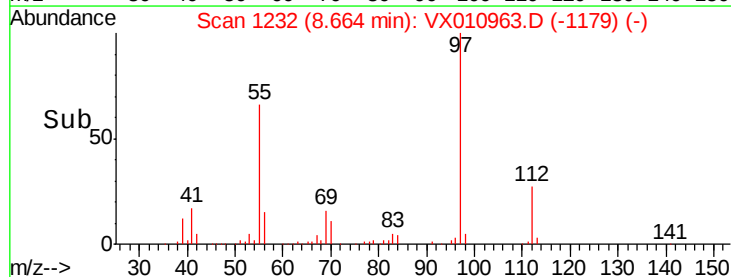
3000

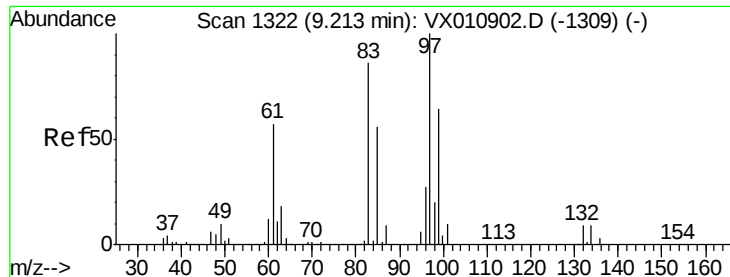
2000

1000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 15.439 ug/l

RT: 9.16 min Scan# 1314

Delta R.T. -0.05 min

Lab File: VX010963.D

Acq: 18 Jul 2019 16:56

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 97 Resp: 37348

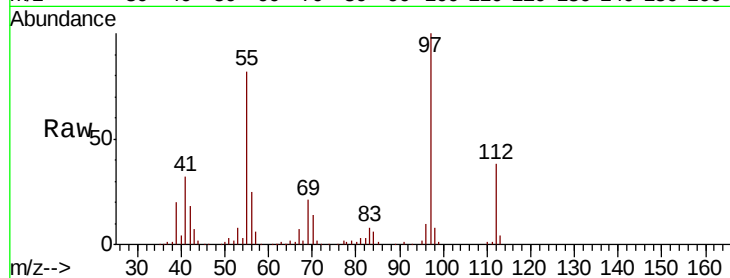
Ion Ratio Lower Upper

97 100

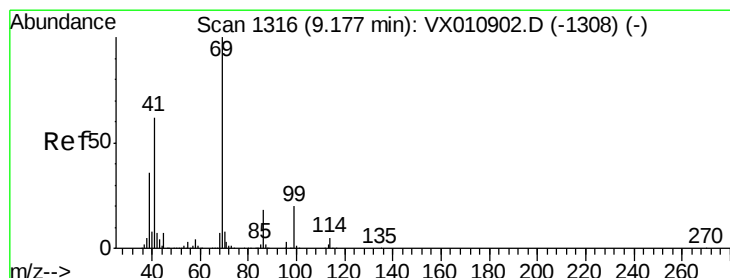
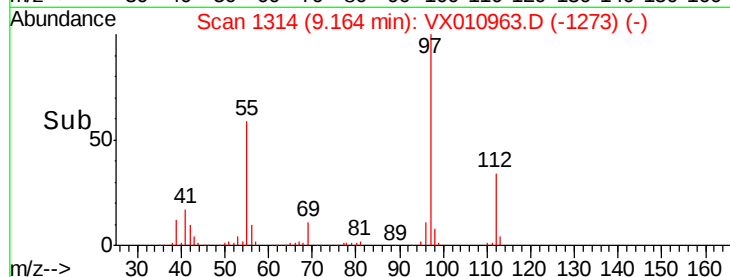
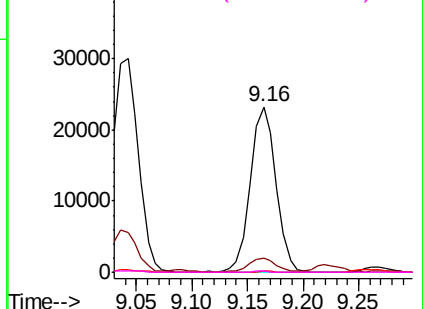
83 7.1 69.2 103.8#

85 0.6 44.6 66.8#

99 0.5 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: 2.336 ug/l

RT: 9.16 min Scan# 1314

Delta R.T. -0.01 min

Lab File: VX010963.D

Acq: 18 Jul 2019 16:56

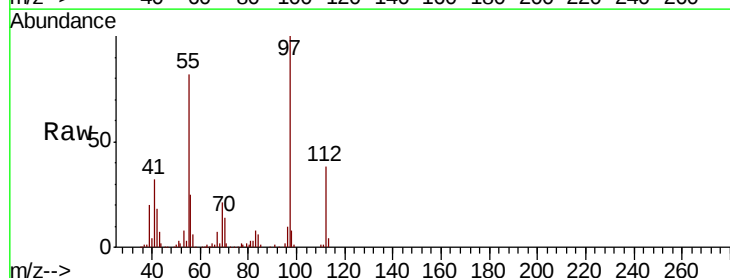
Tgt Ion: 69 Resp: 8266

Ion Ratio Lower Upper

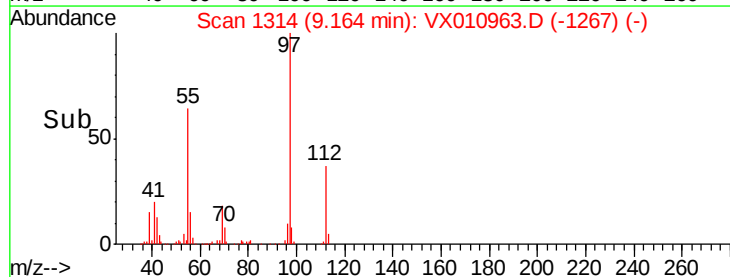
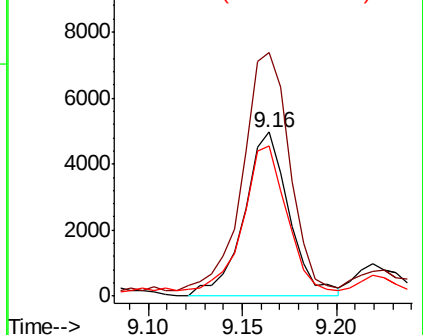
69 100

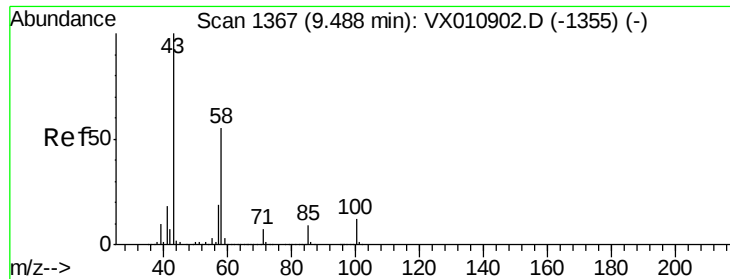
41 150.3 49.7 74.5#

39 83.1 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

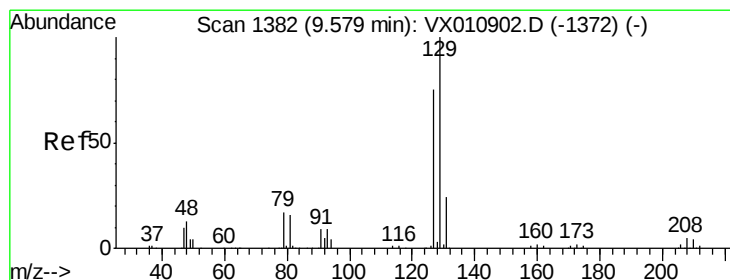
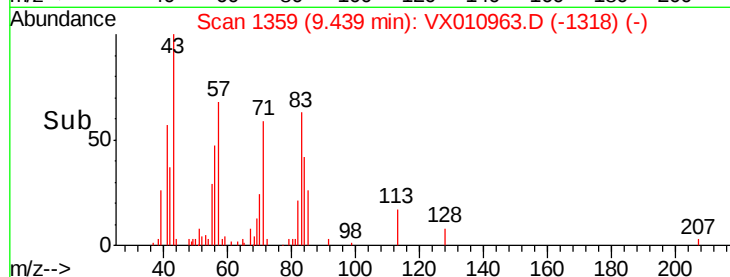
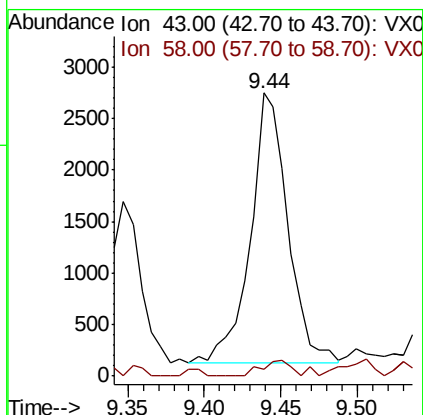
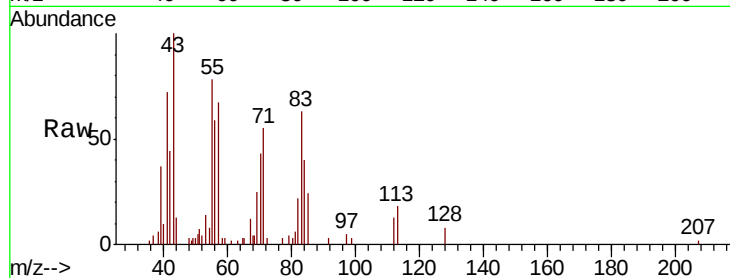




#59
2-Hexanone
Concen: 1.809 ug/l
RT: 9.44 min Scan# 1359
Delta R.T. -0.05 min
Lab File: VX010963.D
Acq: 18 Jul 2019 16:56

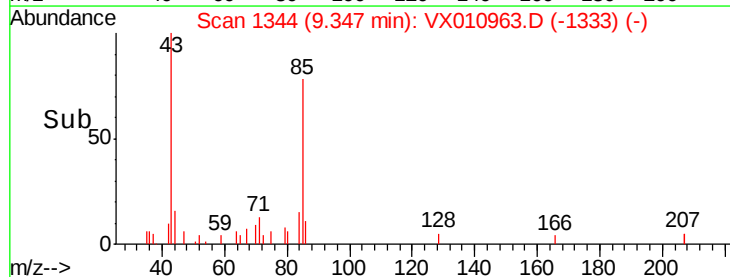
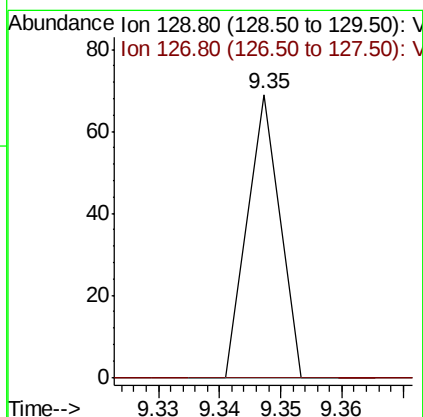
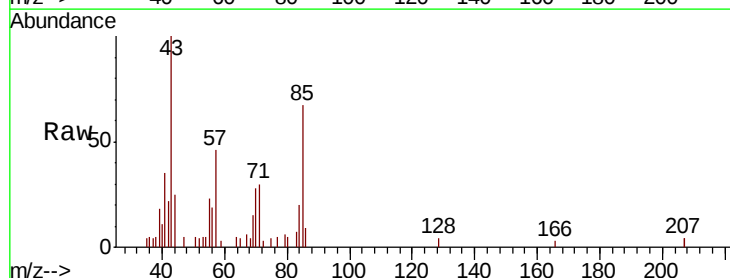
Instrument :
MSVOA_X
ClientSampled :

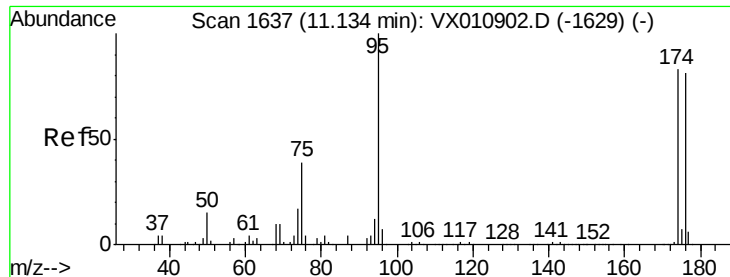
Tot Ion: 43 Resp: 4471
Ion Ratio Lower Upper
43 100
58 4.5 28.0 83.9#



#60
Dibromochloromethane
Concen: 2.536 ug/l
RT: 9.35 min Scan# 1344
Delta R.T. -0.23 min
Lab File: VX010963.D
Acq: 18 Jul 2019 16:56

Tgt Ion:129 Resp: 25
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.8#





#62

4-Bromofluorobenzene

Concen: 53.025 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX010963.D

Acq: 18 Jul 2019 16:56

Instrument :

MSVOA_X

ClientSampleId :

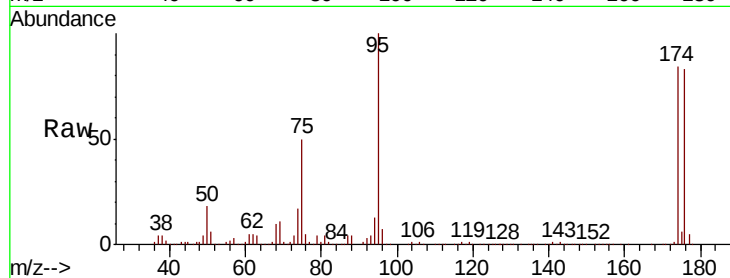
Tot Ion: 95 Resp: 164926

Ion Ratio Lower Upper

95 100

174 88.0 0.0 180.6

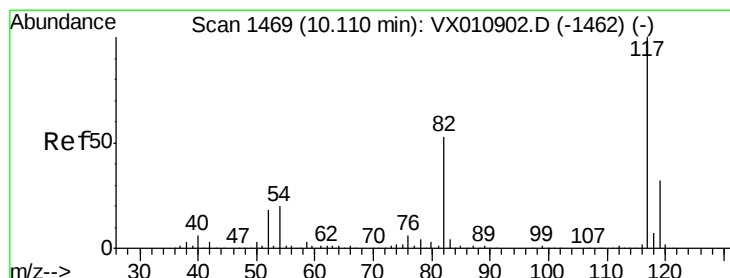
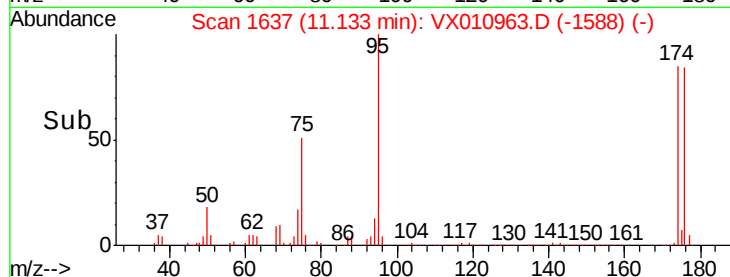
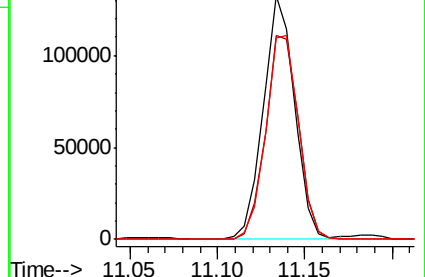
176 87.6 0.0 173.8



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: VX010963.D

Acq: 18 Jul 2019 16:56

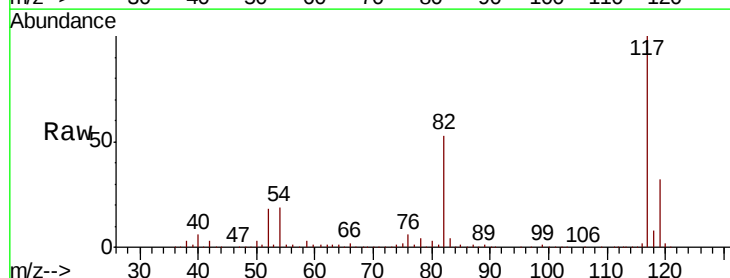
Tgt Ion: 117 Resp: 332776

Ion Ratio Lower Upper

117 100

82 53.1 42.6 63.8

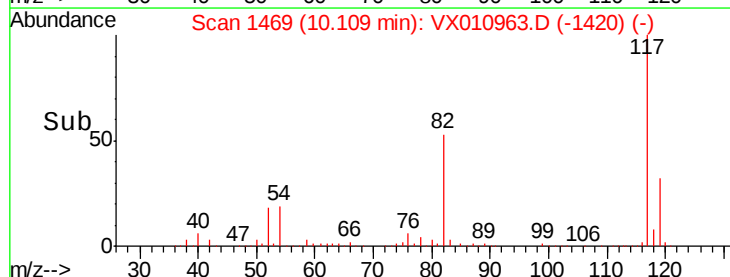
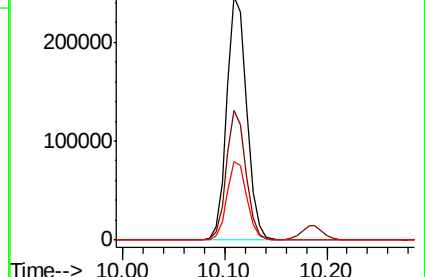
119 32.0 25.9 38.9

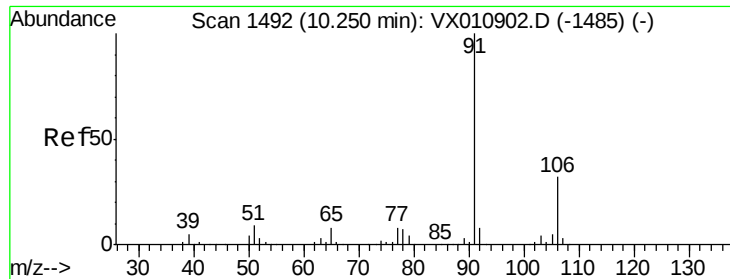


Abundance Ion 116.90 (116.60 to 117.60): VX010902.D (-1462) (-)

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: 174.285 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX010963.D

Acq: 18 Jul 2019 16:56

Instrument :

MSVOA_X

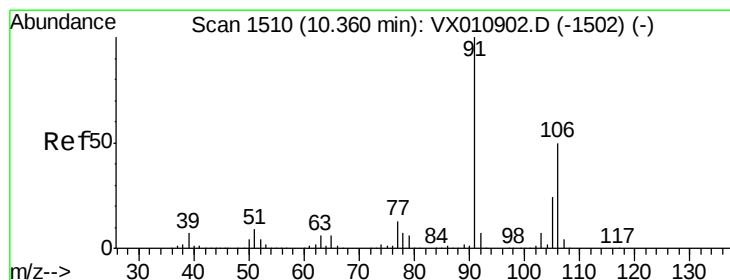
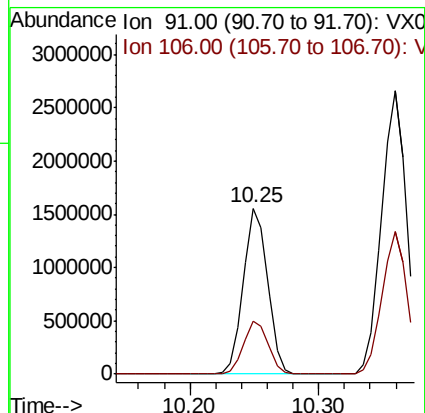
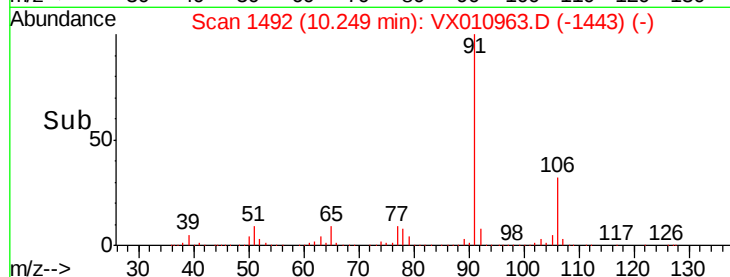
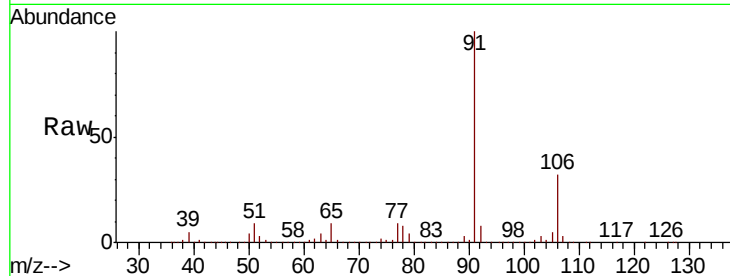
ClientSampled :

Tot Ion: 91 Resp: 2027621

Ion Ratio Lower Upper

91 100

106 31.7 25.4 38.2



#68

m/p-Xylenes

Concen: 398.861 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX010963.D

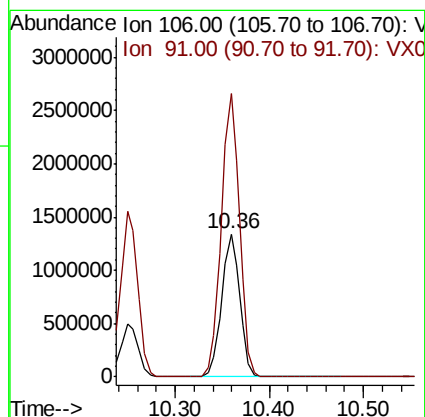
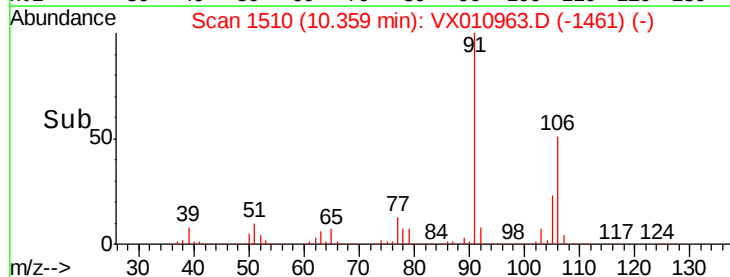
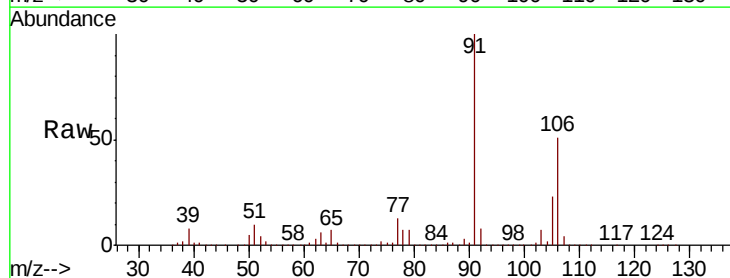
Acq: 18 Jul 2019 16:56

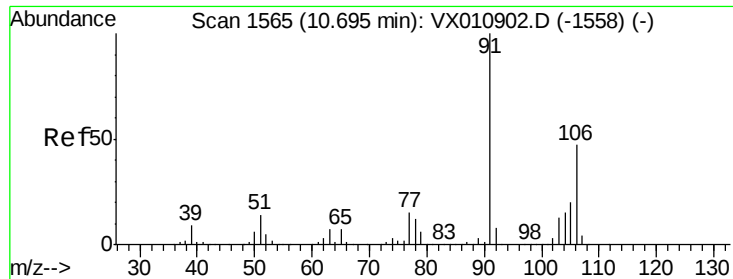
Tgt Ion: 106 Resp: 1779982

Ion Ratio Lower Upper

106 100

91 199.6 160.1 240.1

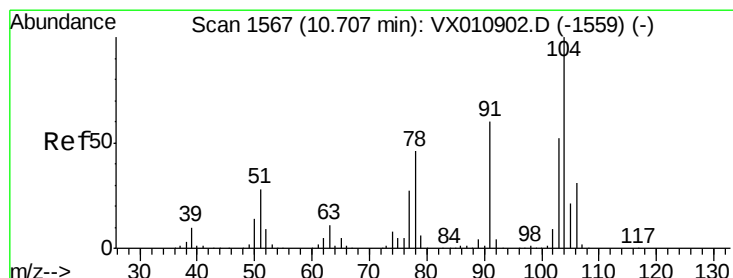
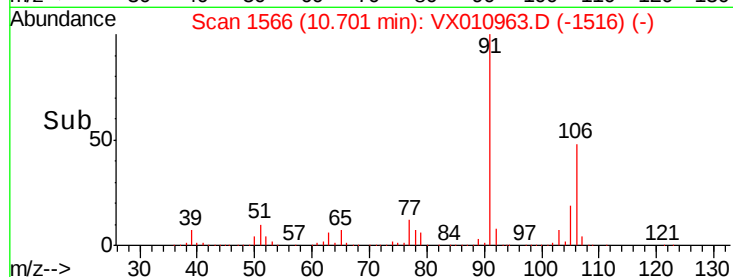
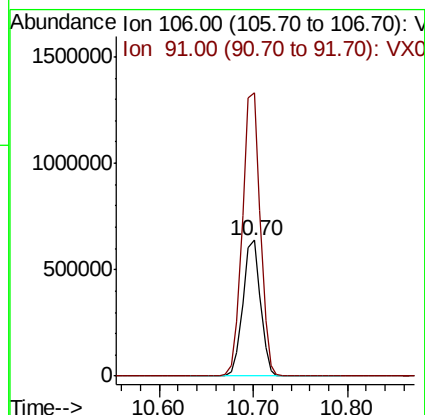
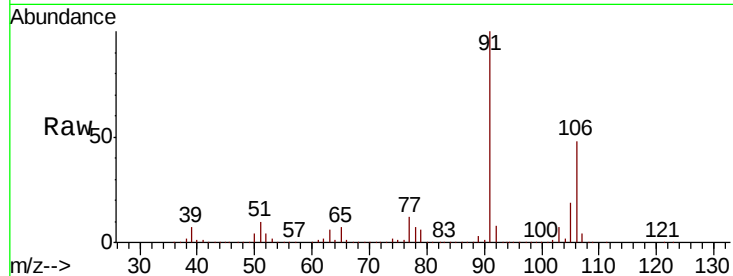




#69
o-Xylene
Concen: 190.713 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX010963.D
Acq: 18 Jul 2019 16:56

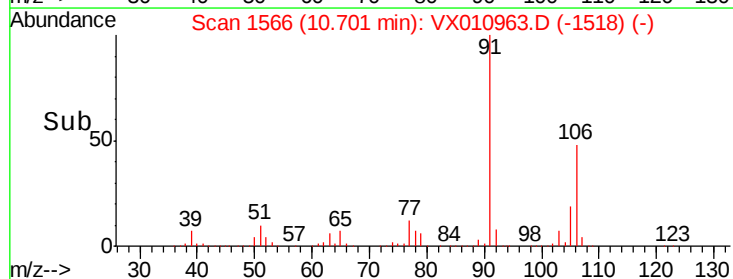
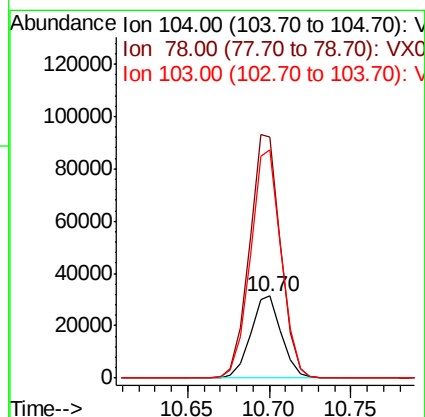
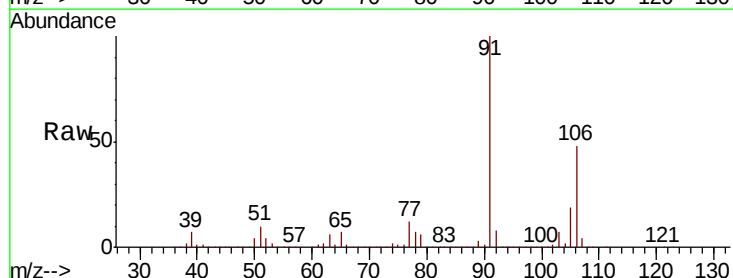
Instrument :
MSVOA_X
ClientSampleId :

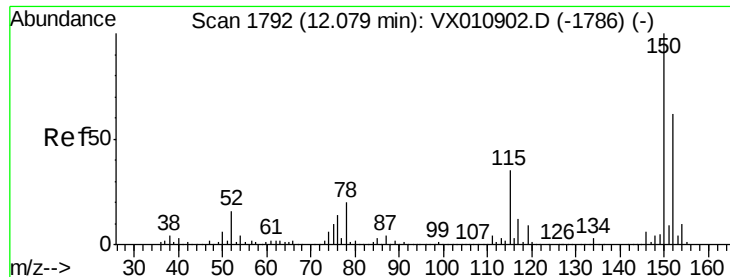
Tot Ion:106 Resp: 830618
Ion Ratio Lower Upper
106 100
91 211.8 105.1 315.3



#70
Styrene
Concen: 5.652 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.01 min
Lab File: VX010963.D
Acq: 18 Jul 2019 16:56

Tgt Ion:104 Resp: 41038
Ion Ratio Lower Upper
104 100
78 301.0 38.8 58.2#
103 279.5 44.2 66.4#



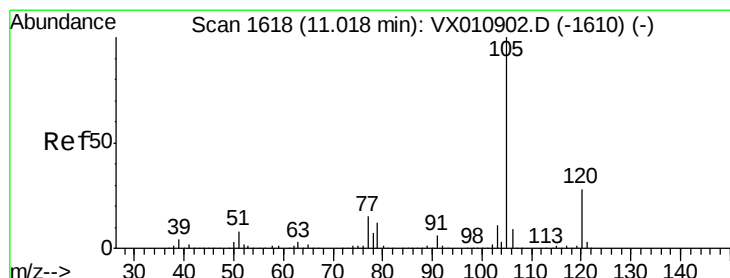
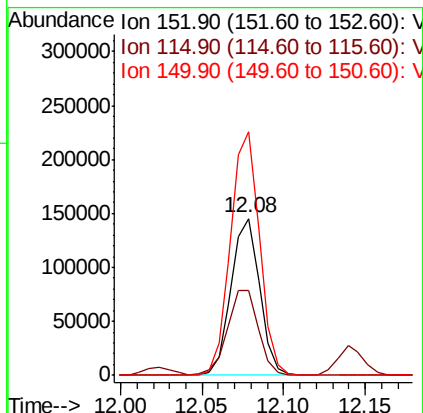
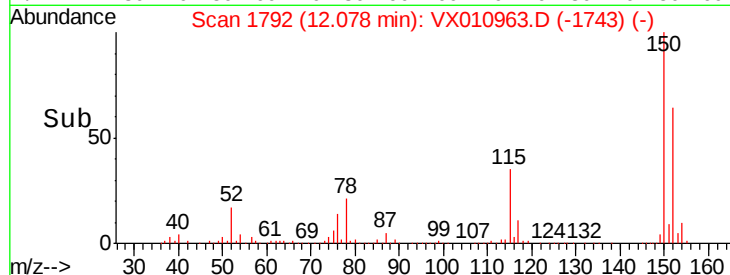
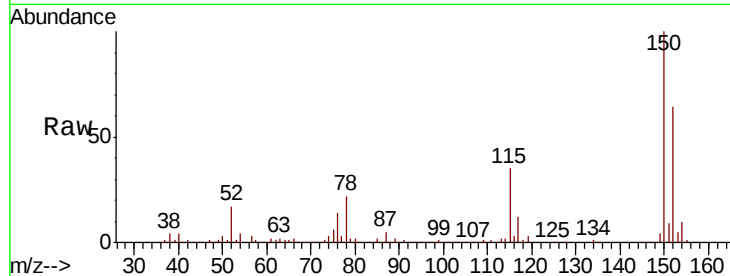


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX010963.D
Acq: 18 Jul 2019 16:56

Instrument :
MSVOA_X
ClientSampleId :

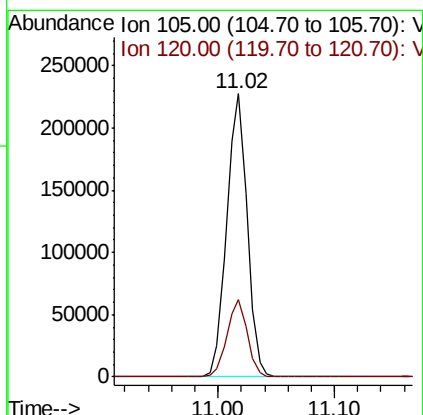
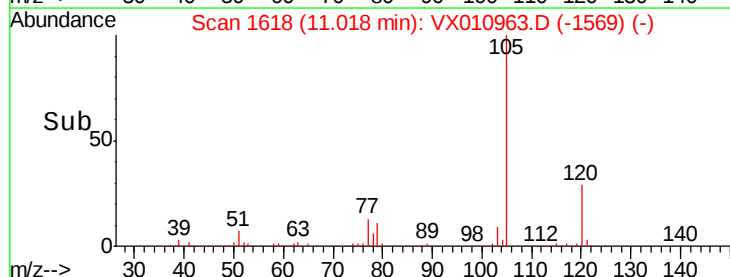
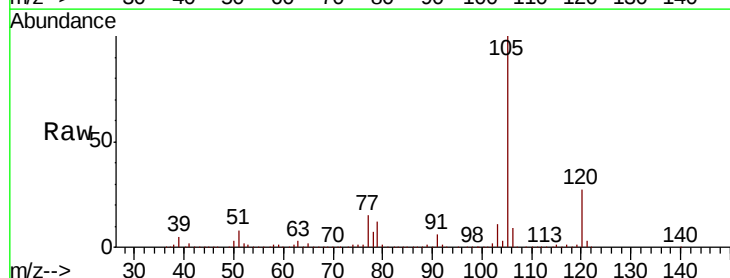
Tot Ion:152 Resp: 177097
Ion Ratio Lower Upper
152 100
115 58.3 39.7 119.1
150 157.3 0.0 345.6

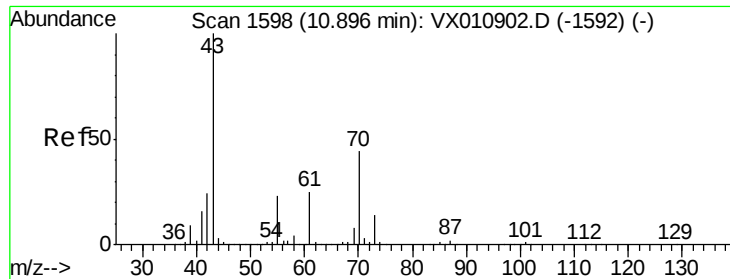


#73

Isopropylbenzene
Concen: 23.148 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX010963.D
Acq: 18 Jul 2019 16:56

Tgt Ion:105 Resp: 276998
Ion Ratio Lower Upper
105 100
120 27.0 13.7 41.1





#74

N-amvl acetate

Concen: 0.301 ug/l

RT: 10.91 min Scan# 1600

Delta R.T. 0.01 min

Lab File: VX010963.D

Acq: 18 Jul 2019 16:56

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 43 Resp: 1374

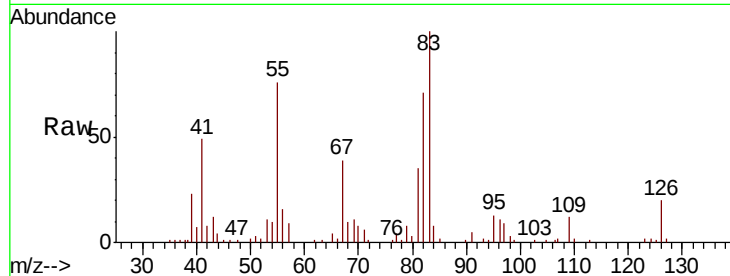
Ion Ratio Lower Upper

43 100

70 114.6 34.7 52.1#

55 702.1 19.1 28.7#

61 0.0 19.9 29.9#

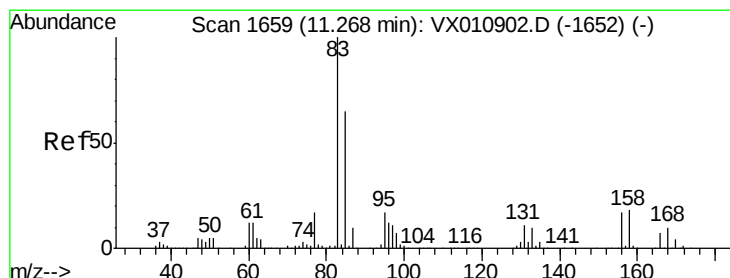
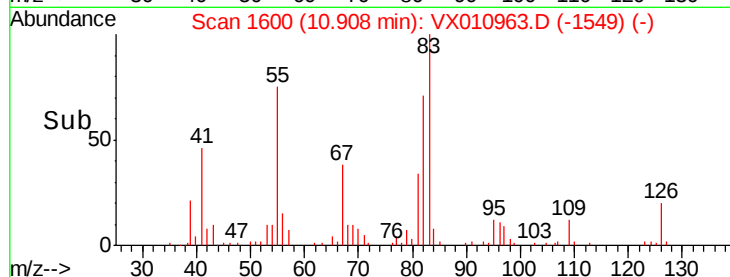
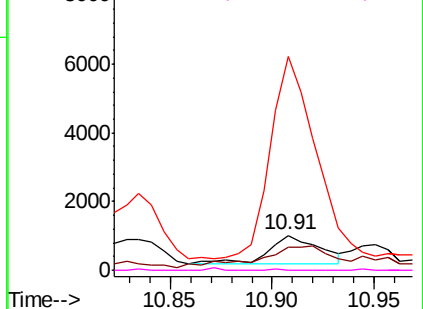


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#75

1,1,2,2-Tetrachloroethane

Concen: 0.217 ug/l

RT: 11.28 min Scan# 1661

Delta R.T. 0.01 min

Lab File: VX010963.D

Acq: 18 Jul 2019 16:56

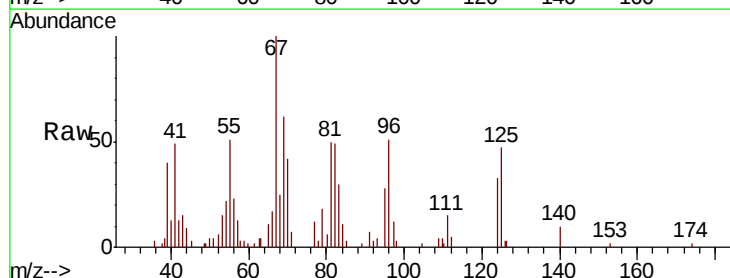
Tgt Ion: 83 Resp: 850

Ion Ratio Lower Upper

83 100

131 0.0 5.5 16.4#

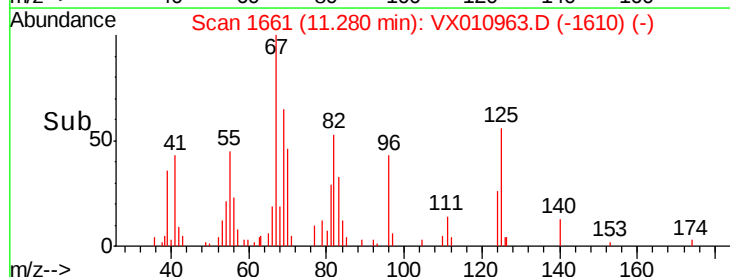
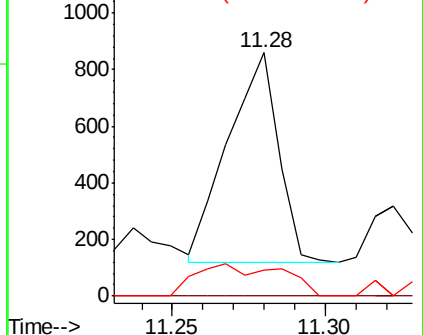
85 25.9 32.3 96.9#

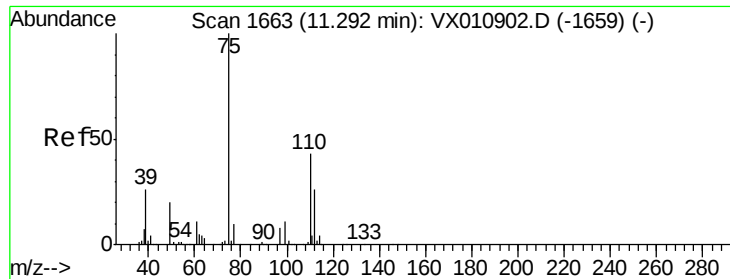


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0





#76

1,2,3-Trichloropropane

Concen: 0.947 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.07 min

Lab File: VX010963.D

Acq: 18 Jul 2019 16:56

Instrument :

MSVOA_X

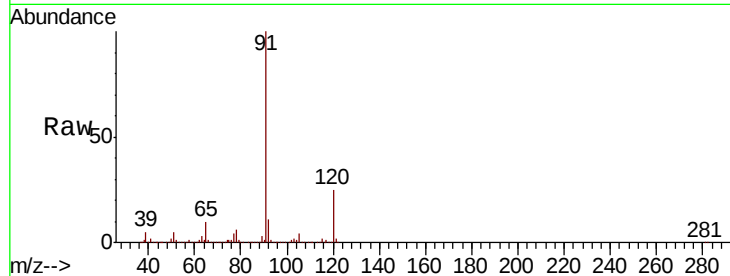
ClientSampleId :

Tot Ion: 75 Resp: 3026

Ion Ratio Lower Upper

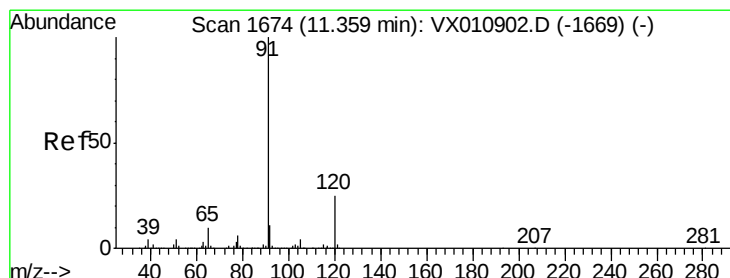
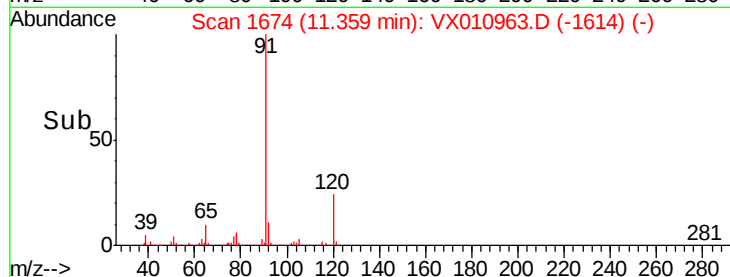
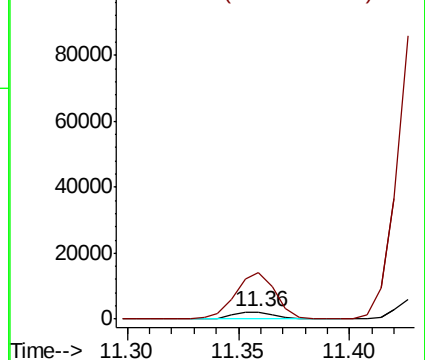
75 100

77 572.3 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: 32.633 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX010963.D

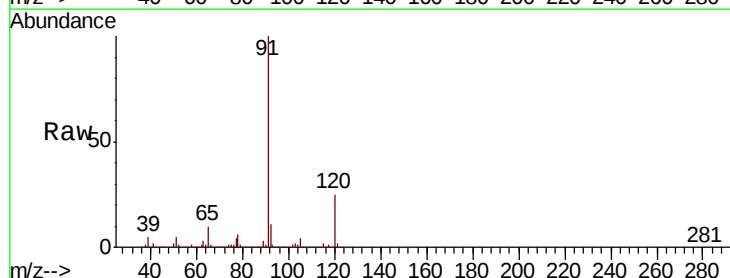
Acq: 18 Jul 2019 16:56

Tgt Ion: 91 Resp: 431465

Ion Ratio Lower Upper

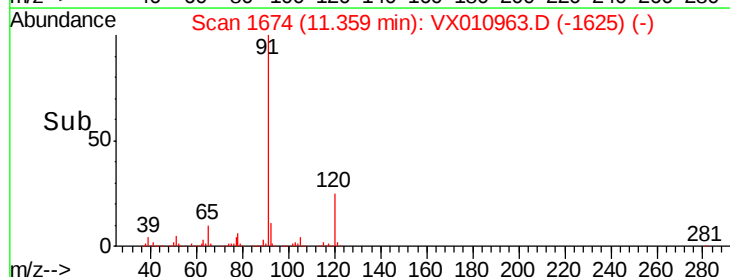
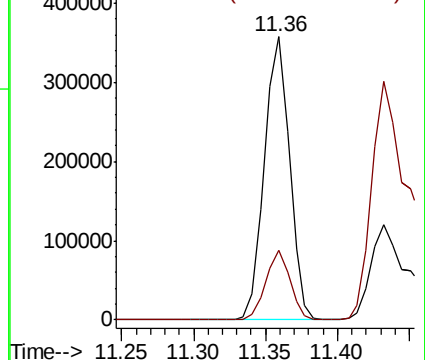
91 100

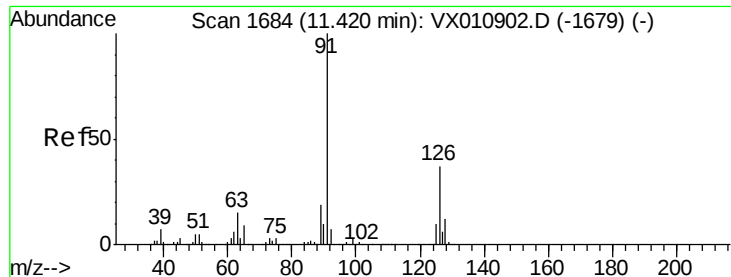
120 23.7 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 25.873 ug/l

RT: 11.43 min Scan# 1686

Delta R.T. 0.01 min

Lab File: VX010963.D

Acq: 18 Jul 2019 16:56

Instrument :

MSVOA_X

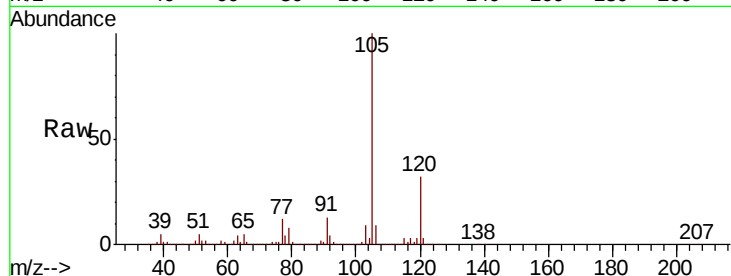
ClientSampled :

Tot Ion: 91 Resp: 205505

Ion Ratio Lower Upper

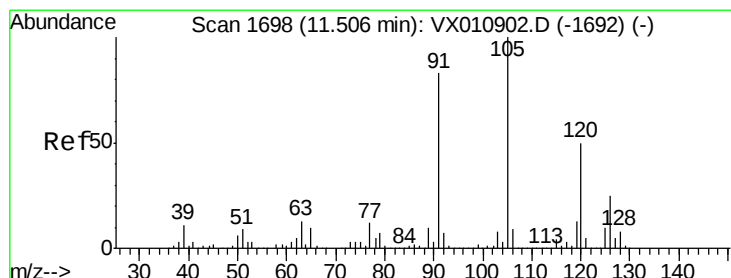
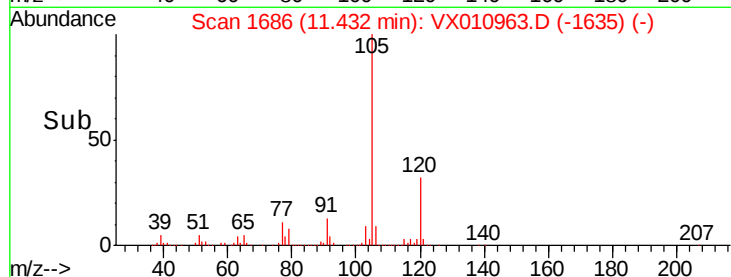
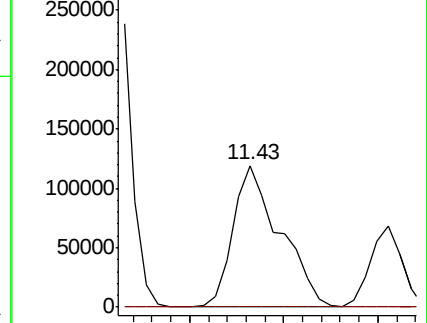
91 100

126 0.1 18.0 54.0#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 74.422 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX010963.D

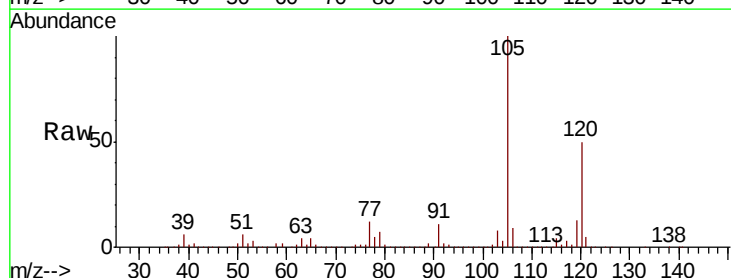
Acq: 18 Jul 2019 16:56

Tgt Ion:105 Resp: 744154

Ion Ratio Lower Upper

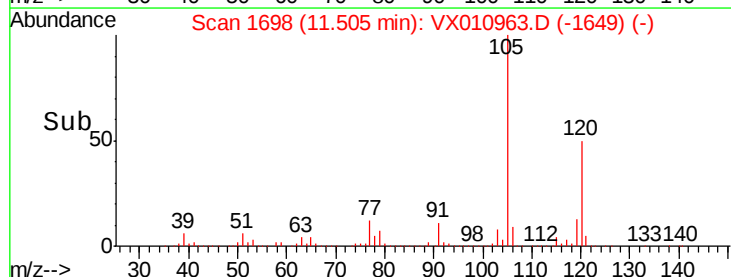
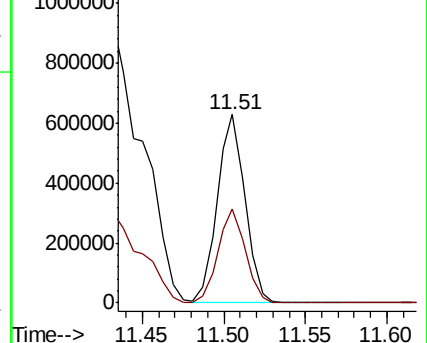
105 100

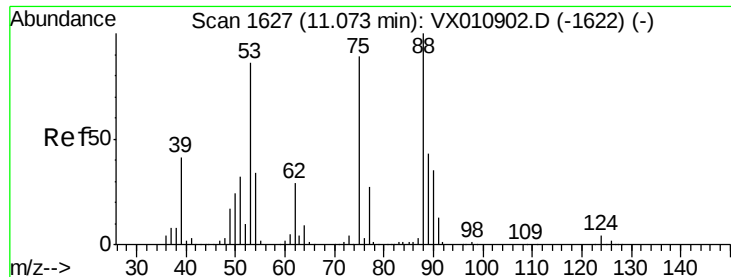
120 49.0 24.6 73.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 6.412 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.05 min

Lab File: VX010963.D

Acq: 18 Jul 2019 16:56

Instrument :

MSVOA_X

ClientSampleId :

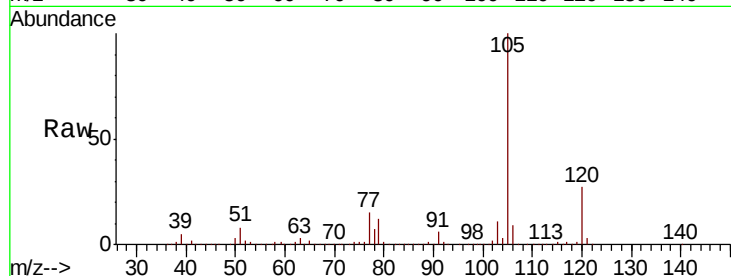
Tot Ion: 75 Resp: 3334

Ion Ratio Lower Upper

75 100

53 94.3 76.7 115.1

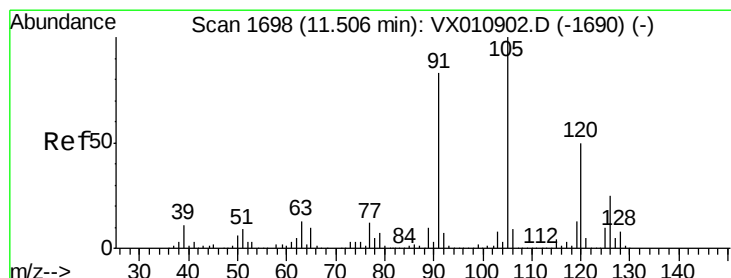
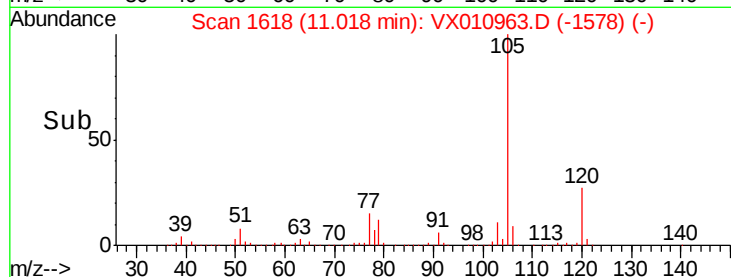
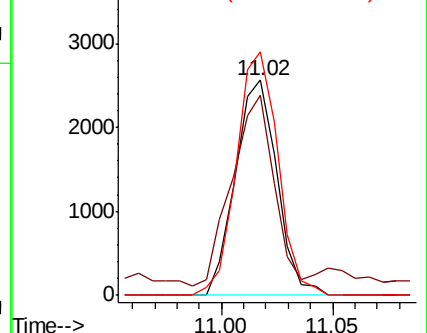
89 112.7 38.5 57.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 8.674 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX010963.D

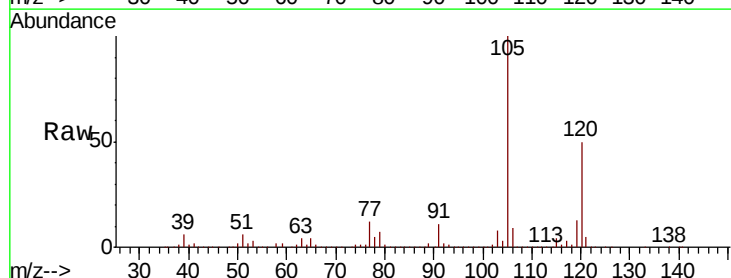
Acq: 18 Jul 2019 16:56

Tgt Ion: 91 Resp: 80191

Ion Ratio Lower Upper

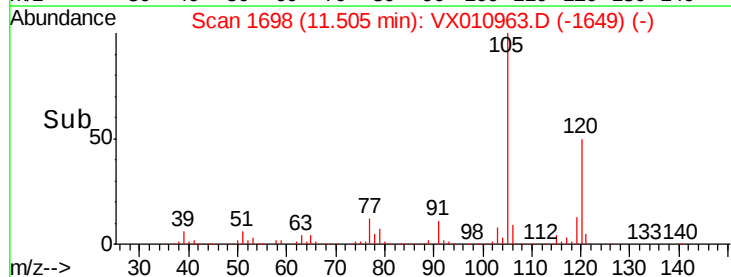
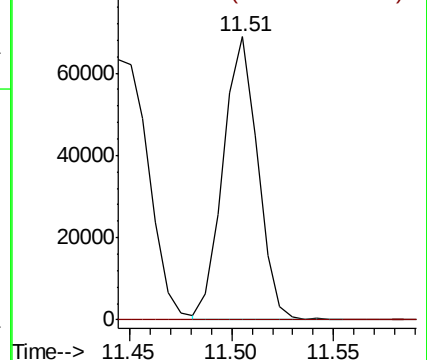
91 100

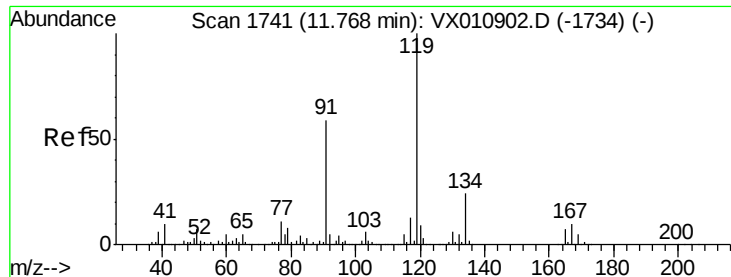
126 0.1 15.9 47.7#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 1.278 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX010963.D

Acq: 18 Jul 2019 16:56

Instrument :

MSVOA_X

ClientSampleId :

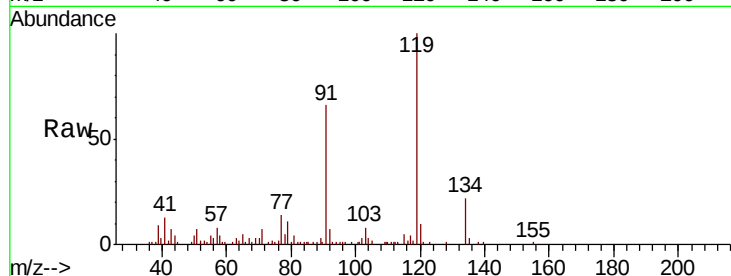
Tot Ion:119 Resp: 12555

Ion Ratio Lower Upper

119 100

91 70.4 28.6 85.8

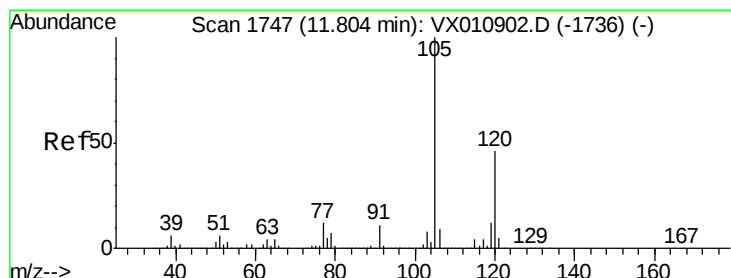
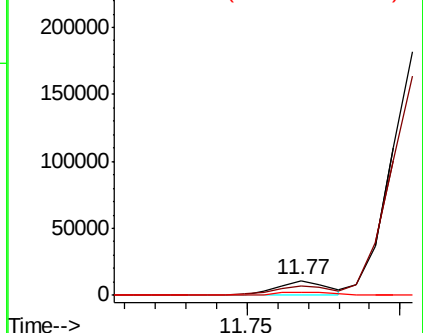
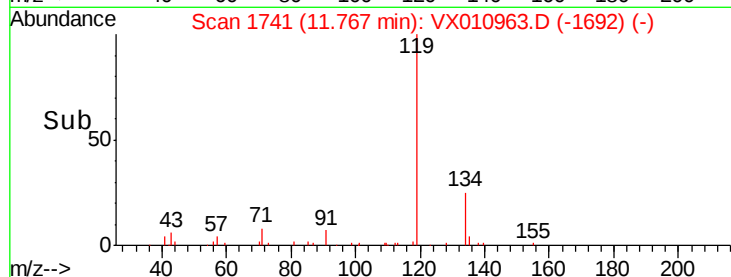
134 25.1 11.6 34.8



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



#84

1,2,4-Trimethylbenzene

Concen: 181.999 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VX010963.D

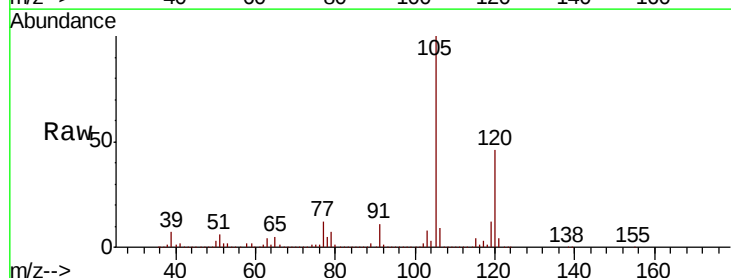
Acq: 18 Jul 2019 16:56

Tgt Ion:105 Resp: 1834217

Ion Ratio Lower Upper

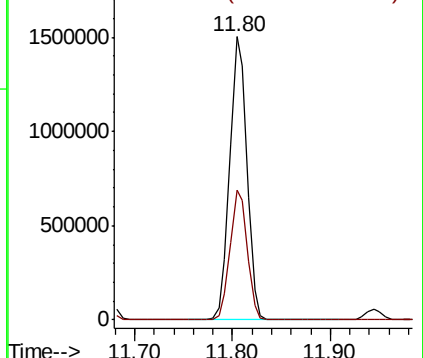
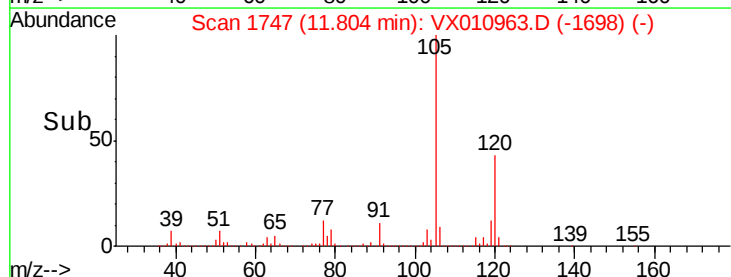
105 100

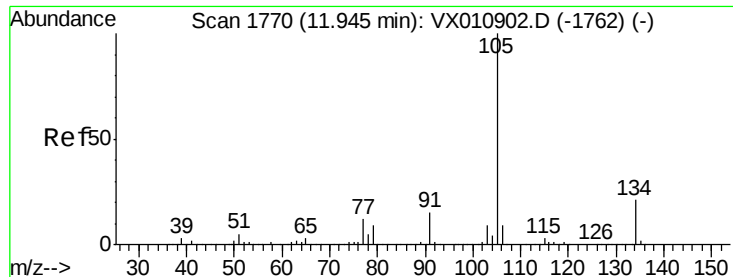
120 45.9 22.9 68.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

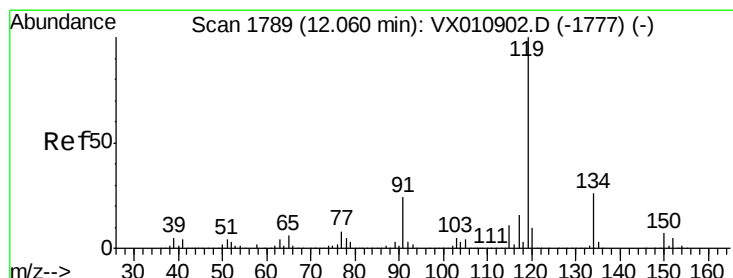
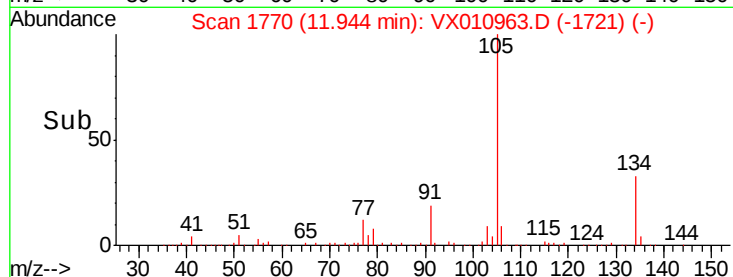
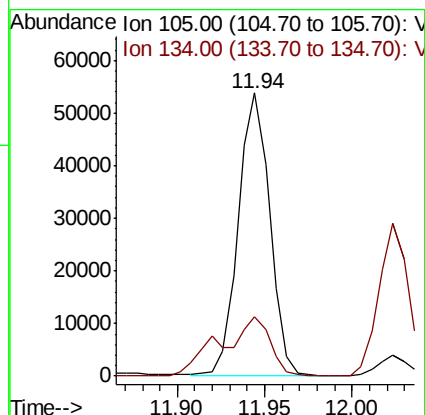
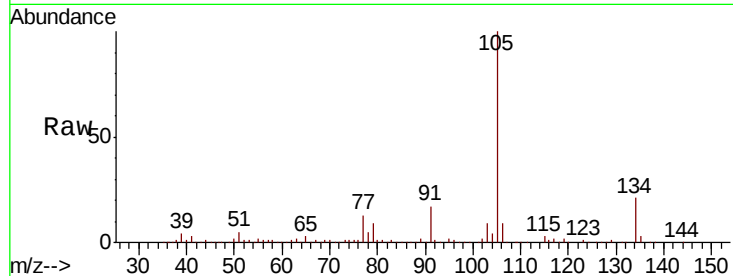




#85
 sec-Butylbenzene
 Concen: 5.817 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX010963.D
 Acq: 18 Jul 2019 16:56

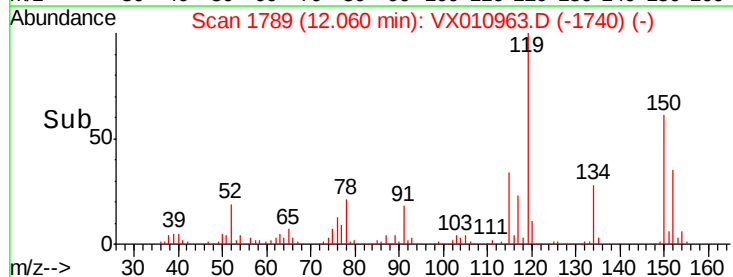
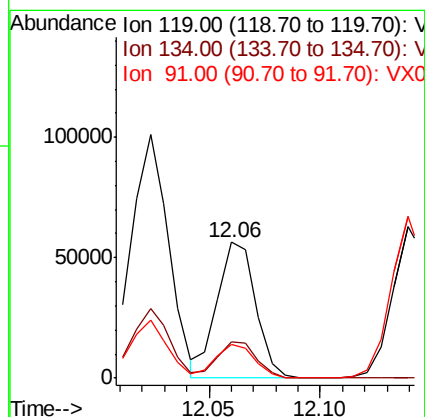
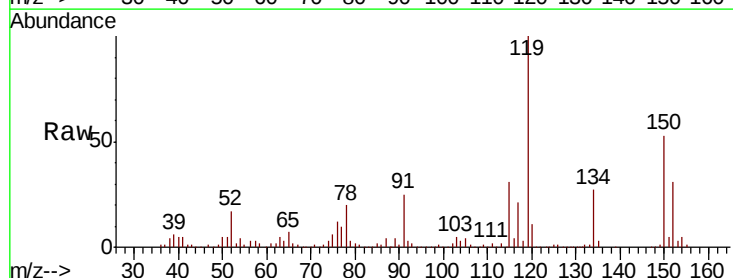
Instrument :
 MSVOA_X
 ClientSampleId :

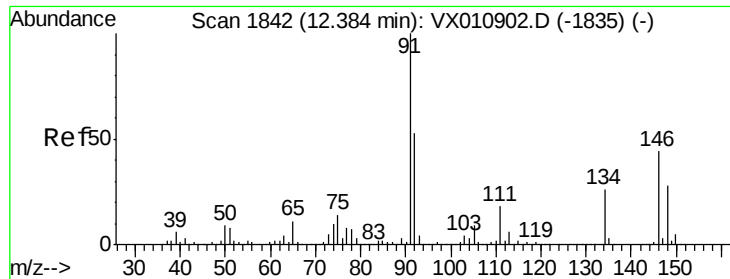
Tot Ion:105 Resp: 66944
 Ion Ratio Lower Upper
 105 100
 134 21.5 10.4 31.4



#86
 p-Isopropyltoluene
 Concen: 6.408 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. -0.00 min
 Lab File: VX010963.D
 Acq: 18 Jul 2019 16:56

Tgt Ion:119 Resp: 68182
 Ion Ratio Lower Upper
 119 100
 134 27.4 13.4 40.1
 91 24.9 11.8 35.4

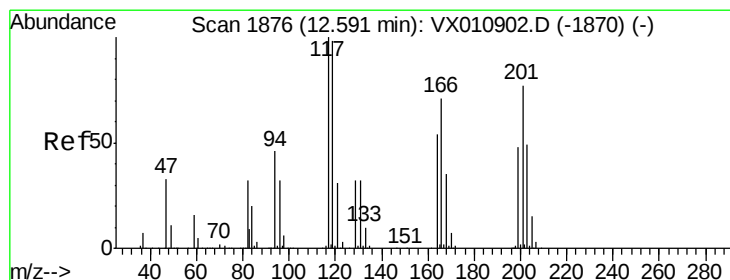
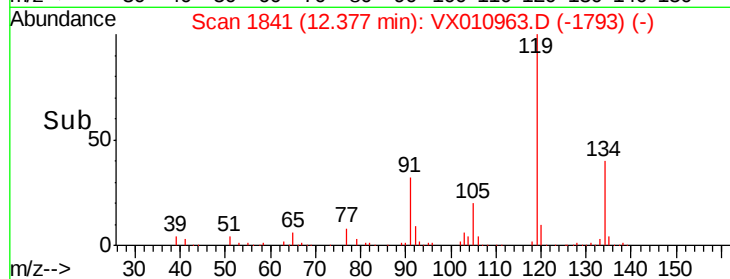
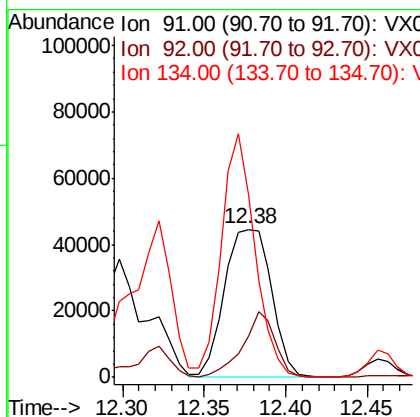
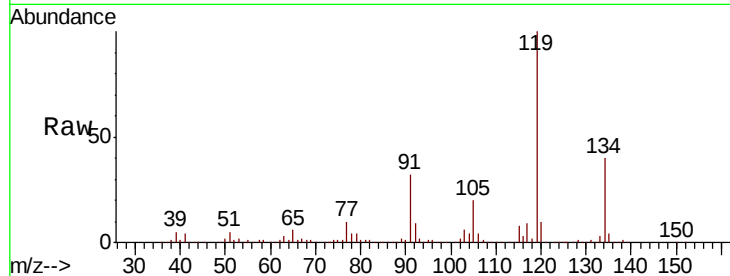




#89
n-Butylbenzene
Concen: 9.736 ug/l
RT: 12.38 min Scan# 1841
Delta R.T. -0.01 min
Lab File: VX010963.D
Acq: 18 Jul 2019 16:56

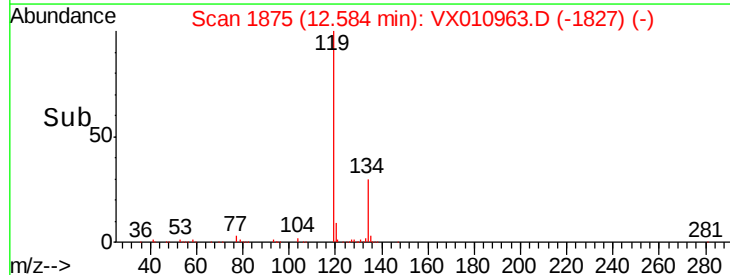
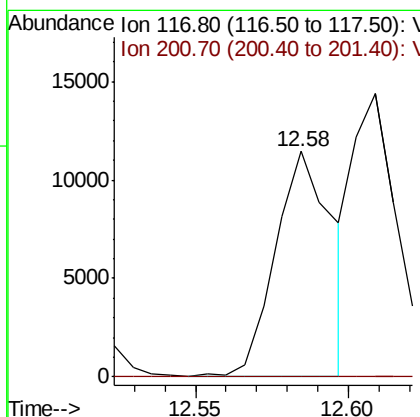
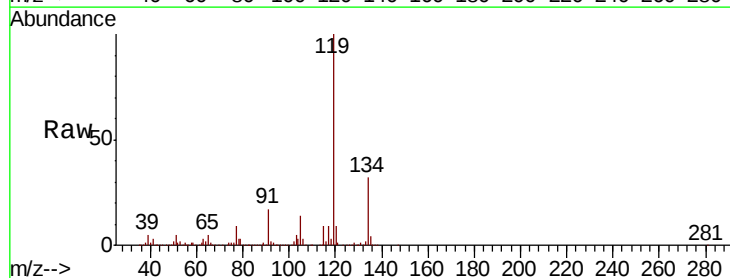
Instrument :
MSVOA_X
ClientSampled :

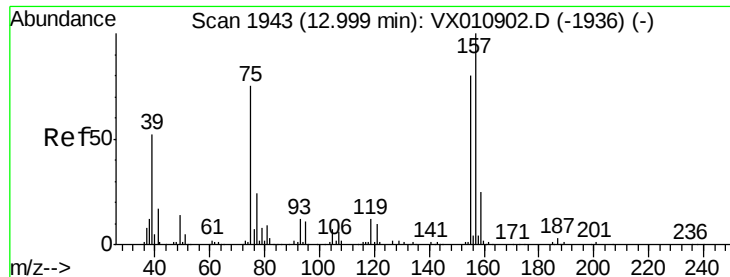
Tot Ion: 91 Resp: 88623
Ion Ratio Lower Upper
91 100
92 31.1 26.2 78.5
134 117.2 13.8 41.3#



#90
Hexachloroethane
Concen: 8.869 ug/l
RT: 12.58 min Scan# 1875
Delta R.T. -0.01 min
Lab File: VX010963.D
Acq: 18 Jul 2019 16:56

Tgt Ion: 117 Resp: 14883
Ion Ratio Lower Upper
117 100
201 0.0 43.3 129.8#





#92

1,2-Dibromo-3-Chloropropane

Concen: 2.359 ug/l

RT: 13.01 min Scan# 1945

Delta R.T. 0.01 min

Lab File: VX010963.D

Acq: 18 Jul 2019 16:56

Instrument :

MSVOA_X

ClientSampleId :

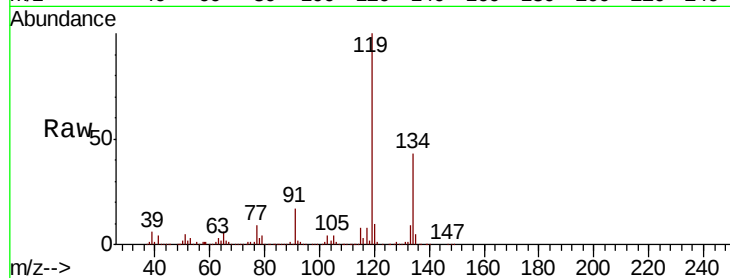
Tot Ion: 75 Resp: 1931

Ion Ratio Lower Upper

75 100

155 0.0 48.7 146.1#

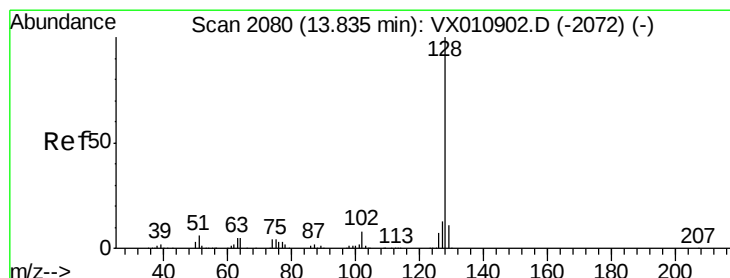
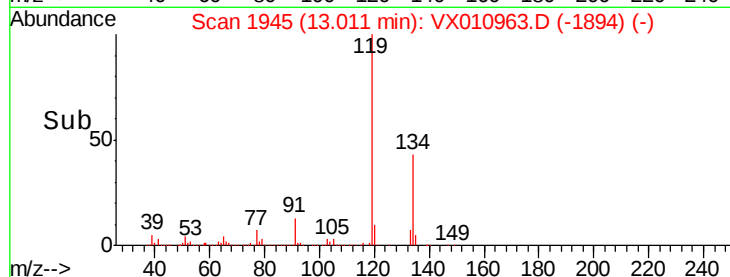
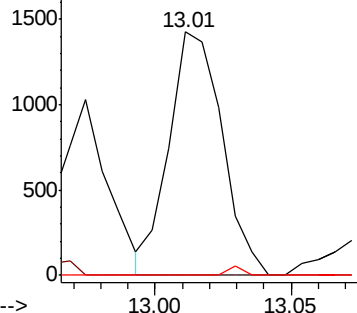
157 1.0 62.5 187.6#



Abundance Ion 74.90 (74.60 to 75.60): VX010902.D (-1936) (-)

Ion 154.80 (154.50 to 155.50): VX010902.D (-1936) (-)

Ion 156.80 (156.50 to 157.50): VX010902.D (-1936) (-)



#95

Naphthalene

Concen: 66.931 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX010963.D

Acq: 18 Jul 2019 16:56

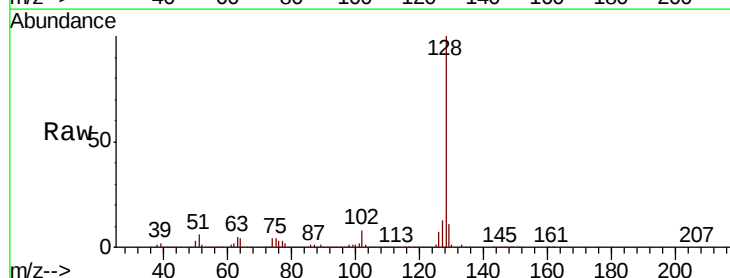
Tgt Ion: 128 Resp: 760415

Ion Ratio Lower Upper

128 100

127 13.2 10.4 15.6

129 11.4 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): VX010902.D (-2072) (-)

Ion 127.00 (126.70 to 127.70): VX010902.D (-2072) (-)

Ion 129.00 (128.70 to 129.70): VX010902.D (-2072) (-)

