

Data File : VW012699.D
Acq On : 06 Sep 2019 19:32
Operator : SY/VA
Sample : K4581-12
Misc : 3.85G/5ML/MSVOA_W/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
T12-D1-(0)

Quant Time: Sep 07 04:42:05 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
Quant Title : SW846 8260
QLast Update : Mon Aug 26 07:18:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.70	168	23	50.00	ug/l	-0.24
34) 1,4-Difluorobenzene	0.00	114	0	0.00	ug/l	-8.84
63) Chlorobenzene-d5	11.59	117	20	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	13.44	152	66	50.00	ug/l	-0.12

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.13	65	20	73.15	ug/l	-0.18
Spiked Amount	50.000		Recovery	=	146.30%	
35) Dibromofluoromethane	0.00	113	0	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	10.40	98	20	0.00	ug/l	0.07
Spiked Amount	50.000		Recovery	=	0.00%	
62) 4-Bromofluorobenzene	12.62	95	21	0.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	0.00%	

Target Compounds						Qvalue
3) Chloromethane	2.24	50	26	118.500	ug/l #	43
4) Vinyl Chloride	2.20	62	44	163.844	ug/l #	1
6) Chloroethane	2.81	64	123	811.917	ug/l #	45
9) 1,1,2-Trichlorotrifluoroet	4.05	101	25	109.070	ug/l #	20
11) Tert butyl alcohol	4.87	59	23	1397.845	ug/l #	71
12) 1,1-Dichloroethene	3.94	96	23	99.696	ug/l #	1
13) Acrolein	3.57	56	40	2582.578	ug/l #	15
14) Allyl chloride	4.54	41	74	150.039	ug/l #	12
15) Acrylonitrile	5.38	53	37	583.211	ug/l #	17
16) Acetone	3.95	43	29	414.936	ug/l #	47
17) Carbon Disulfide	4.26	76	22	31.554	ug/l #	75
18) Methyl Acetate	4.48	43	63	363.939	ug/l #	57
19) Methyl tert-butyl Ether	5.30	73	62	166.184	ug/l #	52
21) trans-1,2-Dichloroethene	5.49	96	40	161.687	ug/l #	1
22) Diisopropyl ether	6.27	45	20	21.877	ug/l #	36
23) Vinyl Acetate	6.07	43	22	39.103	ug/l #	77
24) 1,1-Dichloroethane	6.01	63	19	38.170	ug/l #	84
25) 2-Butanone	6.99	43	70	737.053	ug/l #	56
26) 2,2-Dichloropropane	6.91	77	54	191.665	ug/l #	54
27) cis-1,2-Dichloroethene	7.21	96	23	87.017	ug/l #	1
28) Bromochloromethane	7.34	49	56	258.123	ug/l #	24
29) Tetrahydrofuran	7.34	42	24	421.203	ug/l #	28
31) Cyclohexane	7.73	56	24	48.734	ug/l #	21
32) 1,1,1-Trichloroethane	7.39	97	20	55.515	ug/l #	22
67) Ethyl Benzene	11.71	91	24	31.636	ug/l #	44
71) Bromoform	12.16	173	19	277.574	ug/l #	28
73) Isopropylbenzene	12.52	105	22	4.449	ug/l #	50
74) N-amyl acetate	12.27	43	58	38.818	ug/l #	48
75) 1,1,2,2-Tetrachloroethane	12.71	83	186	205.151	ug/l #	26
76) 1,2,3-Trichloropropane	12.72	75	22	34.226	ug/l #	100
77) Bromobenzene	12.74	156	22	20.563	ug/l #	2
78) n-propylbenzene	12.82	91	58	9.607	ug/l #	55
79) 2-Chlorotoluene	12.88	91	45	13.128	ug/l #	43
80) 1,3,5-Trimethylbenzene	12.97	105	49	11.857	ug/l #	29

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
81) trans-1,4-Dichloro-2-buten	12.44	75	53	180.781	ug/l #	6
82) 4-Chlorotoluene	13.01	91	95	26.469	ug/l #	43
83) tert-Butylbenzene	13.21	119	44	12.570	ug/l #	75
84) 1,2,4-Trimethylbenzene	13.21	105	44	10.600	ug/l	99
85) sec-Butylbenzene	13.37	105	35	6.979	ug/l #	57
86) p-Isopropyltoluene	13.50	119	42	9.378	ug/l #	1
87) 1,3-Dichlorobenzene	13.31	146	29	13.858	ug/l #	24
88) 1,4-Dichlorobenzene	13.82	146	27	12.994	ug/l #	25
89) n-Butylbenzene	13.85	91	209	46.925	ug/l #	33
90) Hexachloroethane	14.22	117	32	40.724	ug/l #	11
91) 1,2-Dichlorobenzene	13.82	146	27	14.707	ug/l #	24
92) 1,2-Dibromo-3-Chloropropan	14.45	75	55	359.837	ug/l #	5
95) Naphthalene	15.35	128	28	14.596	ug/l #	10

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

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MSVOA_W
ClientSampleId :
T12-D1-(0)

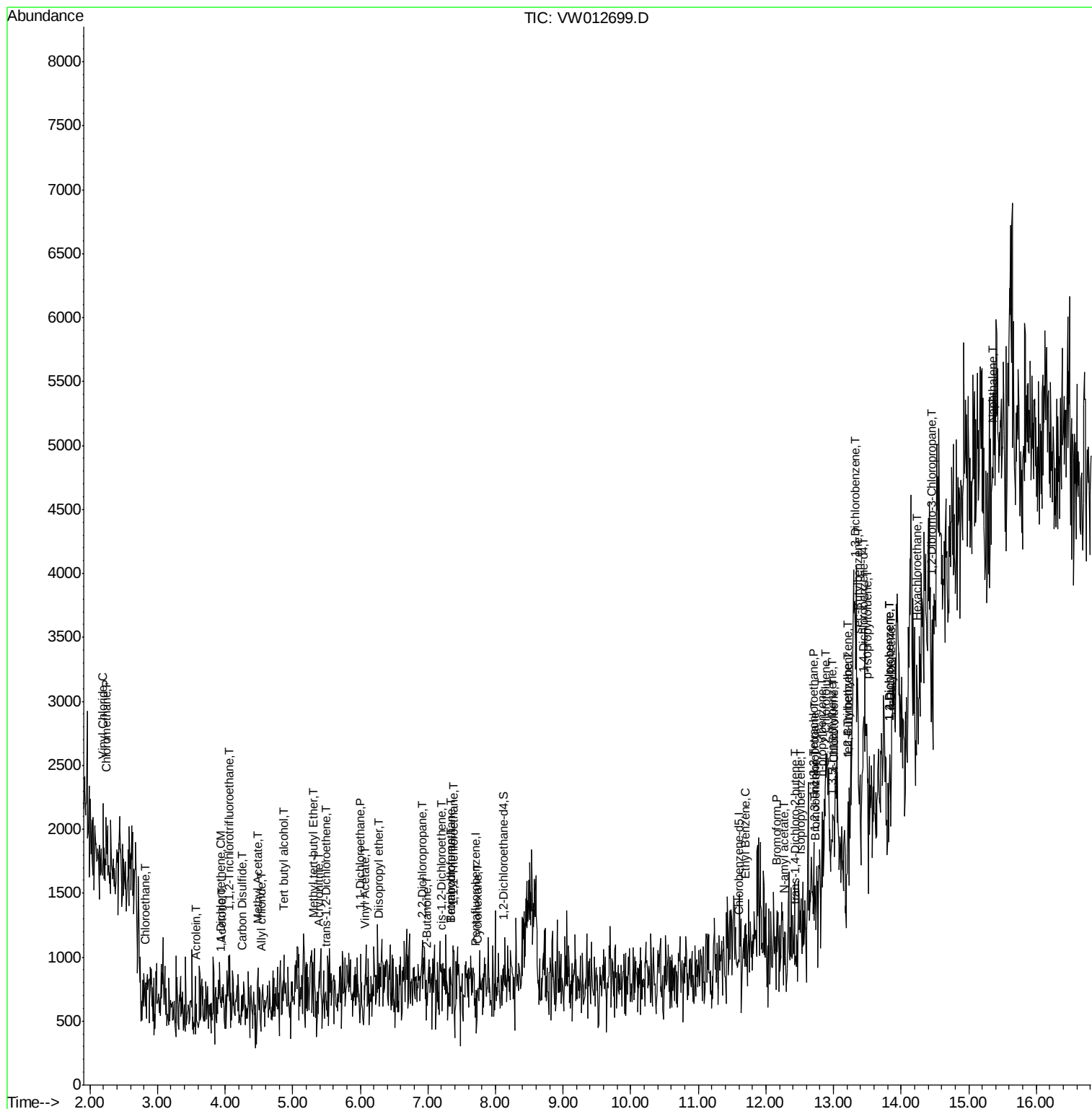
Quant Time: Sep 07 04:42:05 2019

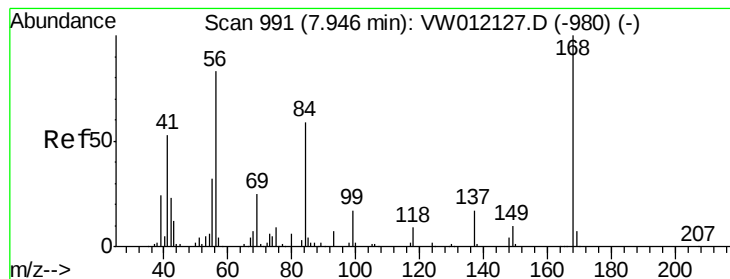
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_W\METHOD\82W082319S.M

Quant Title : SW846 8260

QLast Update : Mon Aug 26 07:18:31 2019

Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.70 min Scan# 951

Delta R.T. -0.24 min

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Acq: 06 Sep 2019 19:32

Instrument :

MSVOA_W

ClientSampleId :

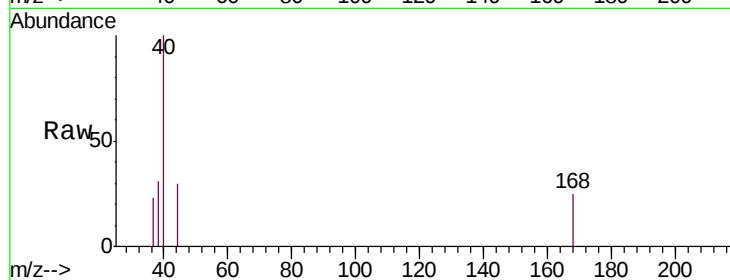
T12-D1-(0)

Tgt Ion: 168 Resp: 23

Ion Ratio Lower Upper

168 100

99 0.0 49.2 73.8#



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.70

60

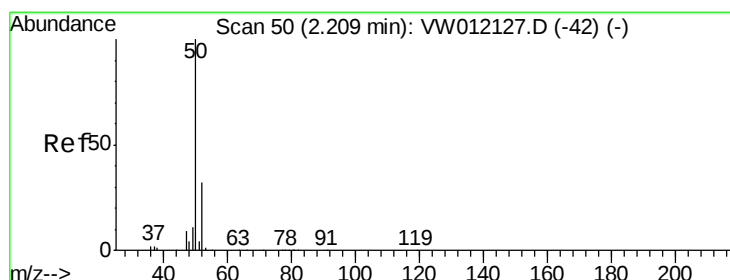
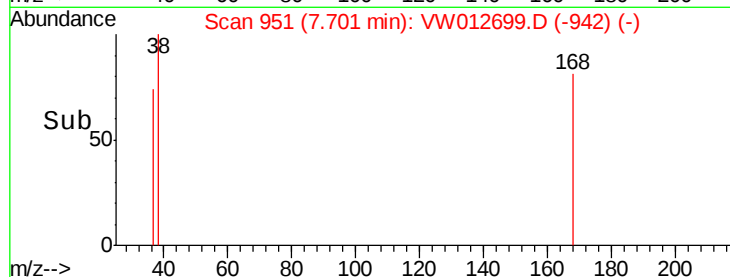
40

20

0

7.68 7.69 7.70 7.71 7.72

Time-->



#3

Chloromethane

Concen: 118.500 ug/l

RT: 2.24 min Scan# 55

Delta R.T. 0.03 min

Lab File: VW012699.D

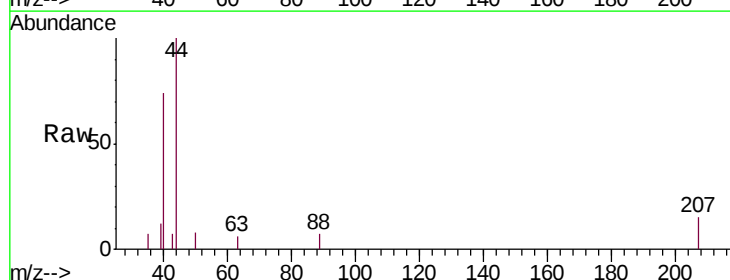
Acq: 06 Sep 2019 19:32

Tgt Ion: 50 Resp: 26

Ion Ratio Lower Upper

50 100

52 0.0 25.5 38.3#



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW

2.24

80

60

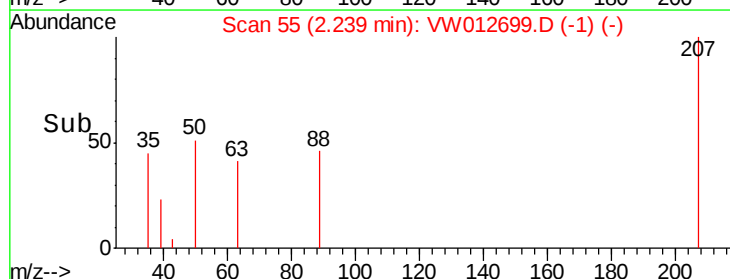
40

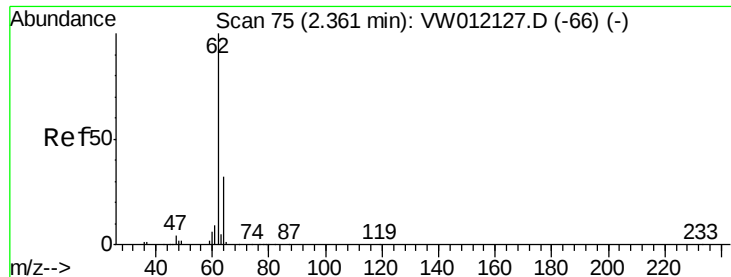
20

0

2.22 2.23 2.24 2.25 2.26

Time-->





#4

Vinyl Chloride

Concen: 163.844 ug/l

RT: 2.20 min Scan# 48

Delta R.T. -0.16 min

Lab File: VW012699.D

Acq: 06 Sep 2019 19:32

Instrument :

MSVOA_W

ClientSampleId :

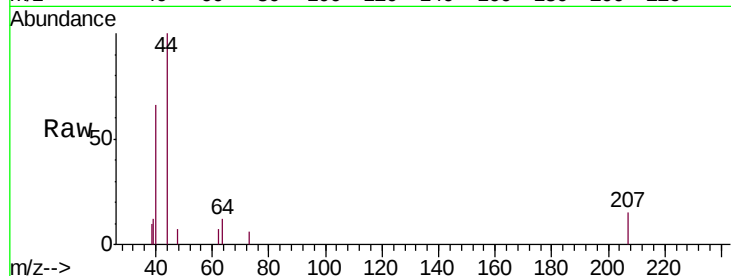
T12-D1-(0)

Tgt Ion: 62 Resp: 44

Ion Ratio Lower Upper

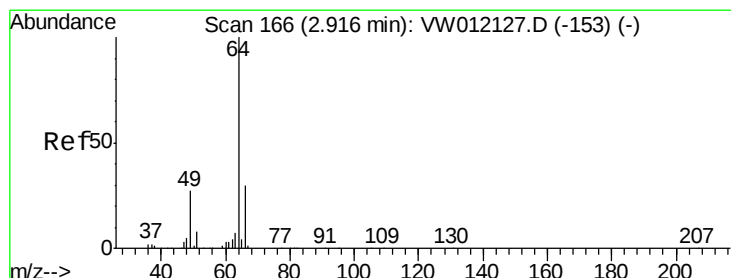
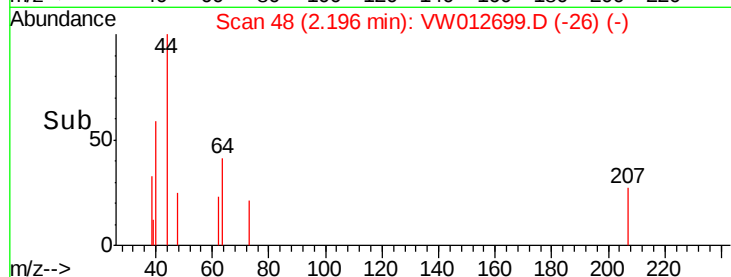
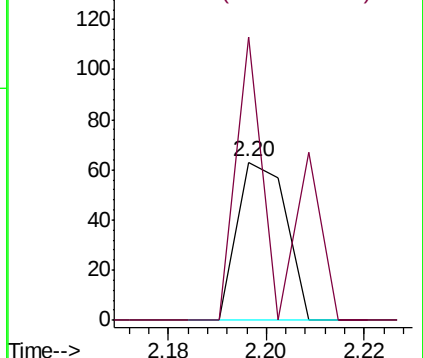
62 100

64 179.4 25.3 37.9#



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW



#6

Chloroethane

Concen: 811.917 ug/l

RT: 2.81 min Scan# 149

Delta R.T. -0.10 min

Lab File: VW012699.D

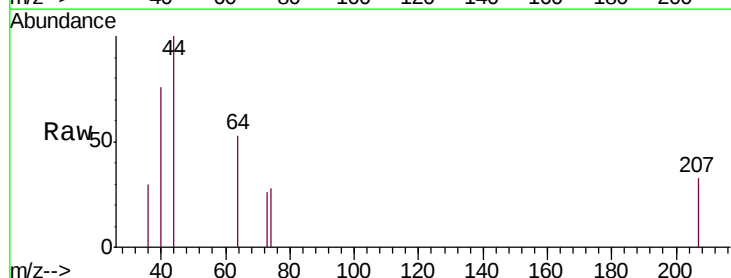
Acq: 06 Sep 2019 19:32

Tgt Ion: 64 Resp: 123

Ion Ratio Lower Upper

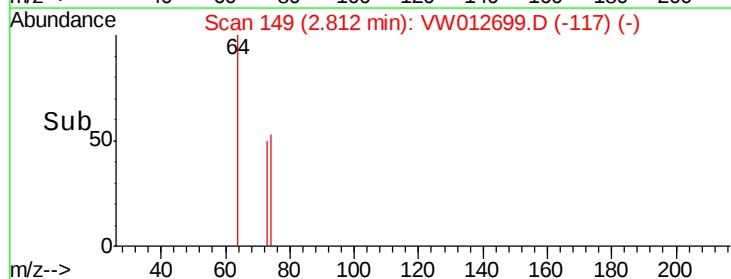
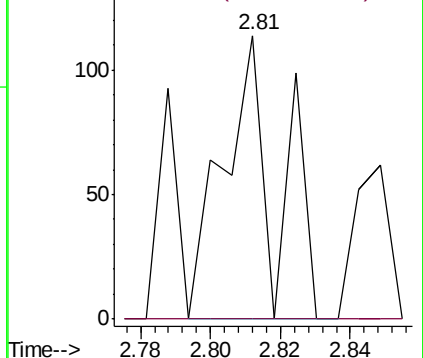
64 100

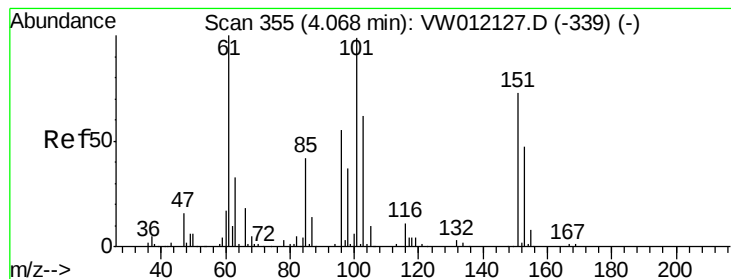
66 0.0 23.8 35.8#



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW





#9

1,1,2-Trichlorotrifluoroethane

Concen: 109.070 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.02 min

Lab File: VW012699.D

Acq: 06 Sep 2019 19:32

Instrument :

MSVOA_W

ClientSampled :

T12-D1-(0)

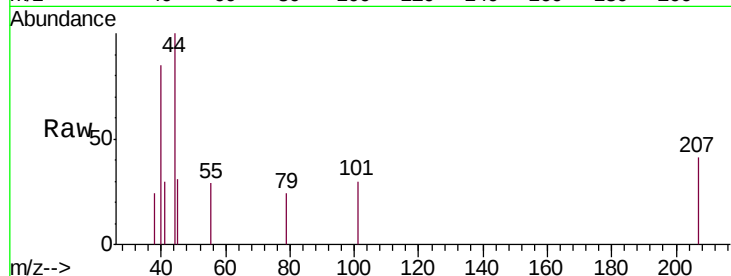
Tgt Ion: 101 Resp: 25

Ion Ratio Lower Upper

101 100

85 0.0 35.8 53.6#

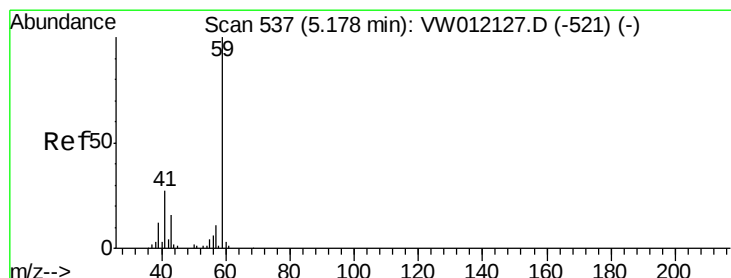
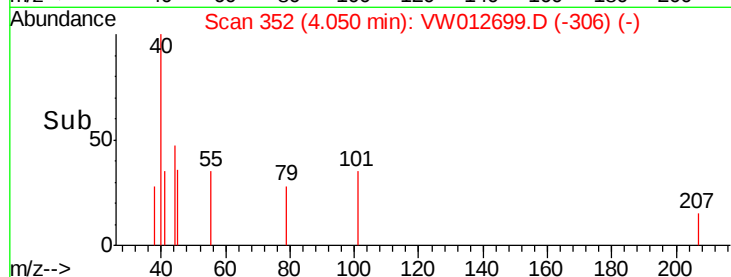
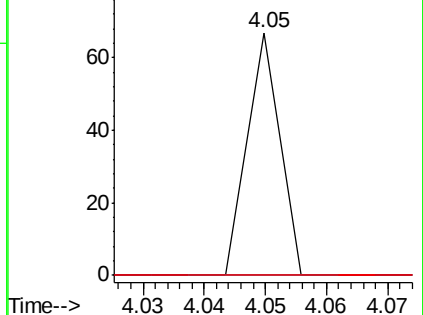
151 0.0 58.6 87.8#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#11

Tert butyl alcohol

Concen: 1397.845 ug/l

RT: 4.87 min Scan# 487

Delta R.T. -0.31 min

Lab File: VW012699.D

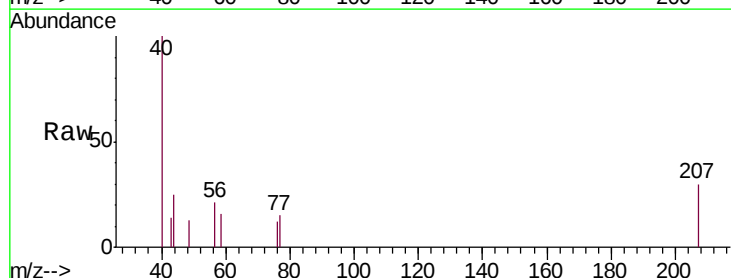
Acq: 06 Sep 2019 19:32

Tgt Ion: 59 Resp: 23

Ion Ratio Lower Upper

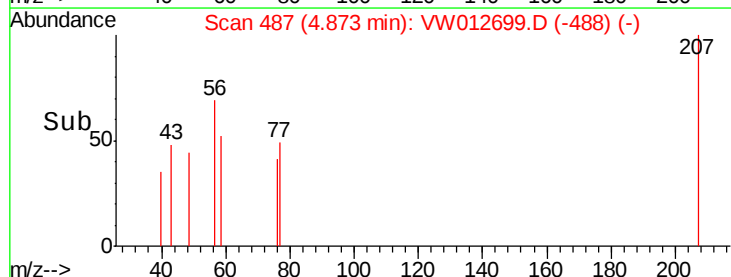
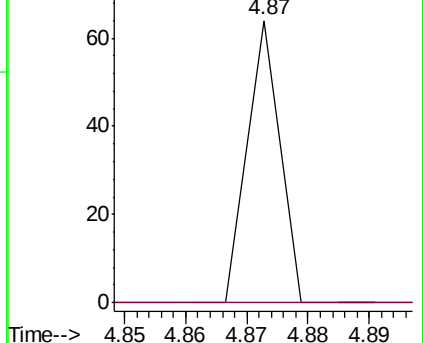
59 100

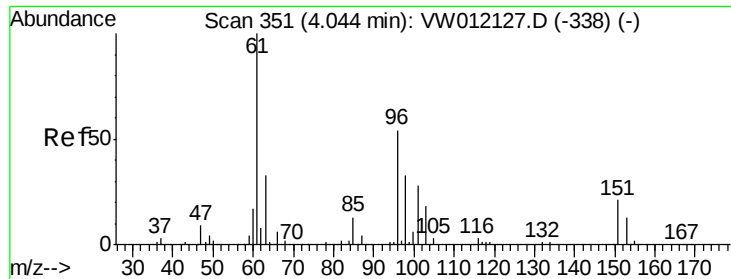
57 0.0 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#12

1,1-Dichloroethene

Concen: 99.696 ug/l

RT: 3.94 min Scan# 334

Delta R.T. -0.10 min

Lab File: VW012699.D

Acq: 06 Sep 2019 19:32

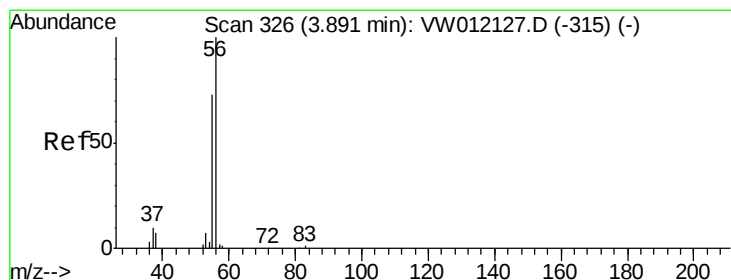
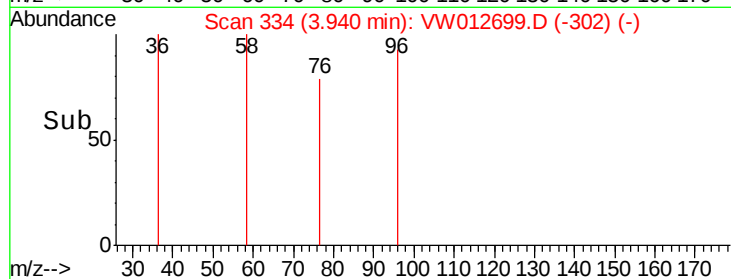
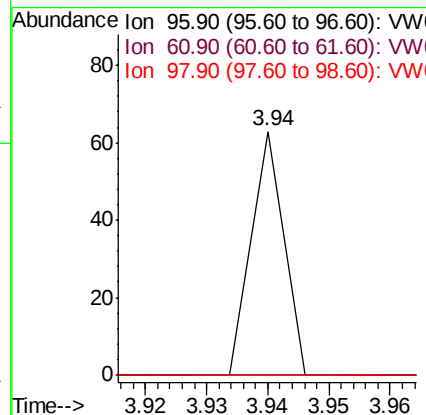
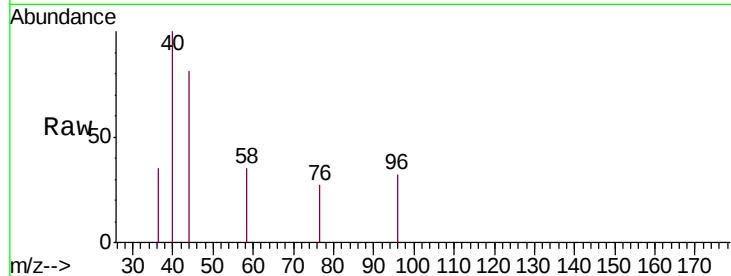
Instrument :

MSVOA_W

ClientSampleId :

T12-D1-(0)

Tgt Ion:	96	Resp:	23
Ion	Ratio	Lower	Upper
96	100		
61	0.0	149.1	223.7#
98	0.0	49.4	74.2#



#13

Acrolein

Concen: 2582.578 ug/l

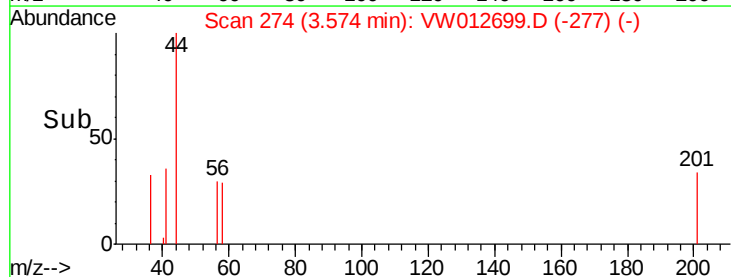
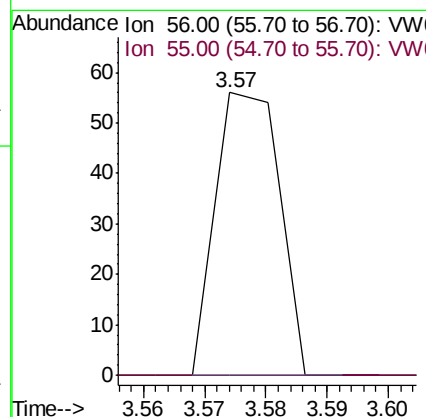
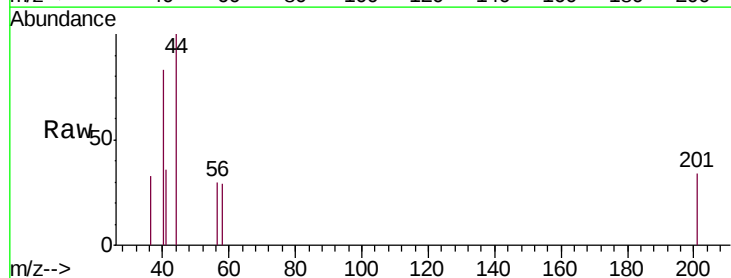
RT: 3.57 min Scan# 274

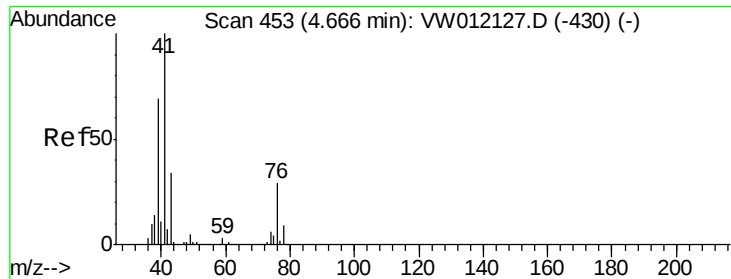
Delta R.T. -0.32 min

Lab File: VW012699.D

Acq: 06 Sep 2019 19:32

Tgt Ion:	56	Resp:	40
Ion	Ratio	Lower	Upper
56	100		
55	0.0	55.8	83.8#





#14

Allyl chloride

Concen: 150.039 ug/l

RT: 4.54 min Scan# 433

Delta R.T. -0.12 min

Lab File: VW012699.D

Acq: 06 Sep 2019 19:32

Instrument :

MSVOA_W

ClientSampleId :

T12-D1-(0)

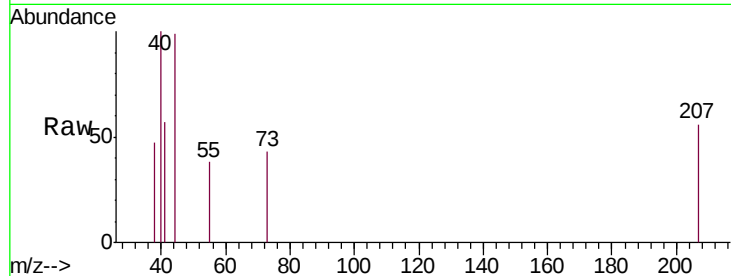
Tgt Ion: 41 Resp: 74

Ion Ratio Lower Upper

41 100

39 148.6 53.4 80.2#

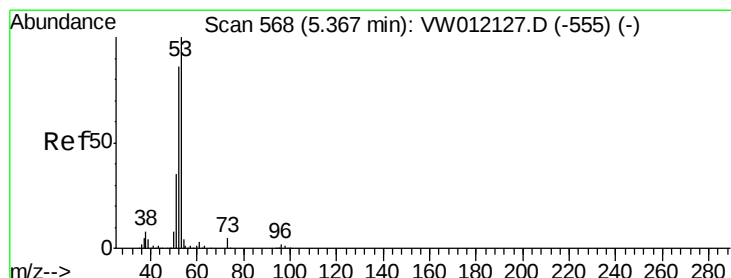
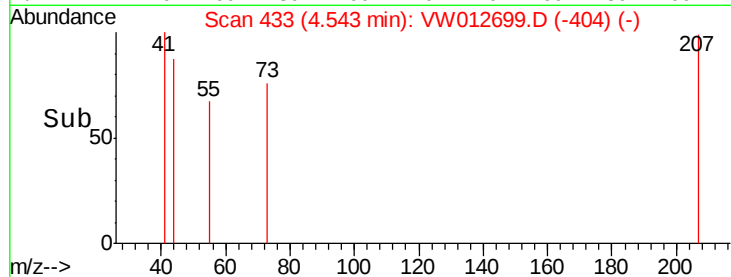
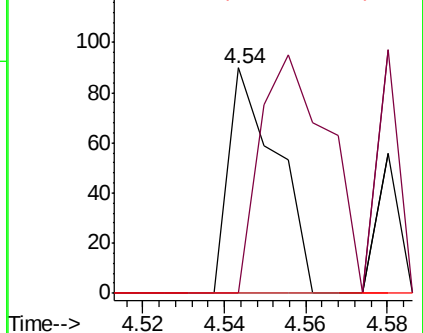
76 0.0 22.1 33.1#



Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW



#15

Acrylonitrile

Concen: 583.211 ug/l

RT: 5.38 min Scan# 571

Delta R.T. 0.02 min

Lab File: VW012699.D

Acq: 06 Sep 2019 19:32

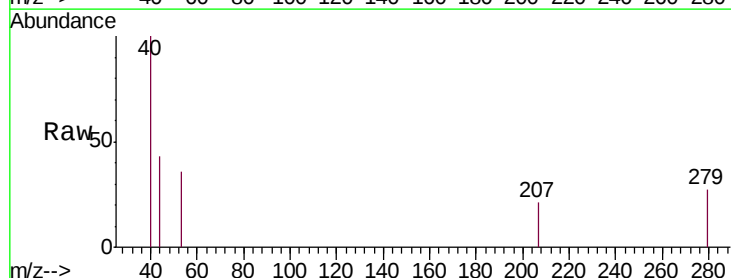
Tgt Ion: 53 Resp: 37

Ion Ratio Lower Upper

53 100

52 0.0 66.7 100.1#

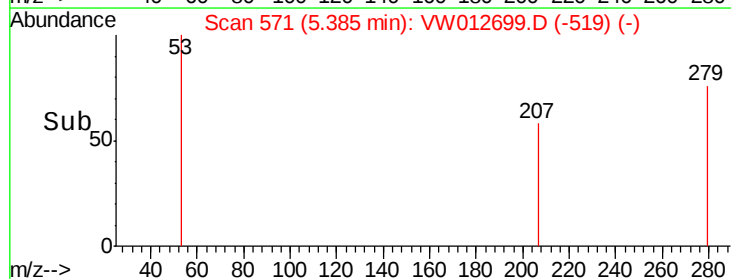
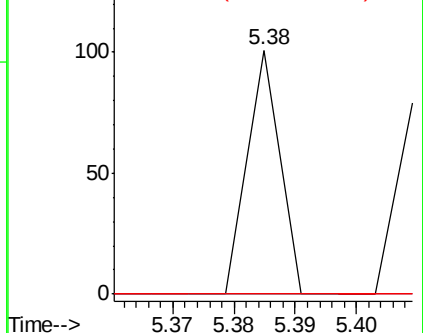
51 0.0 30.1 45.1#

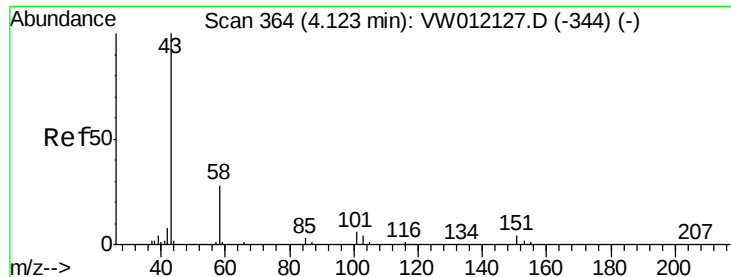


Abundance Ion 53.00 (52.70 to 53.70): VW

Ion 52.00 (51.70 to 52.70): VW

Ion 51.00 (50.70 to 51.70): VW





#16

Acetone

Concen: 414.936 ug/l

RT: 3.95 min Scan# 336

Delta R.T. -0.17 min

Lab File: VW012699.D

Acq: 06 Sep 2019 19:32

Instrument :

MSVOA_W

ClientSampleId :

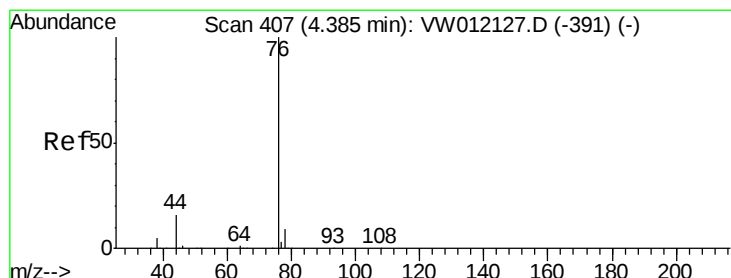
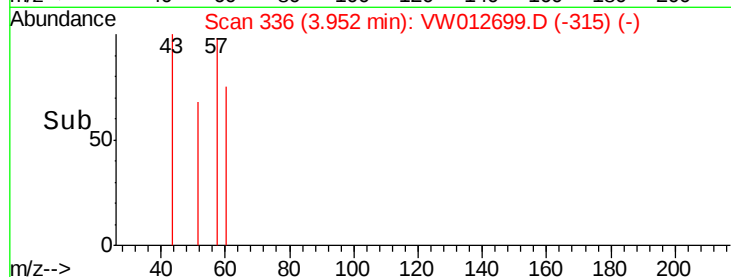
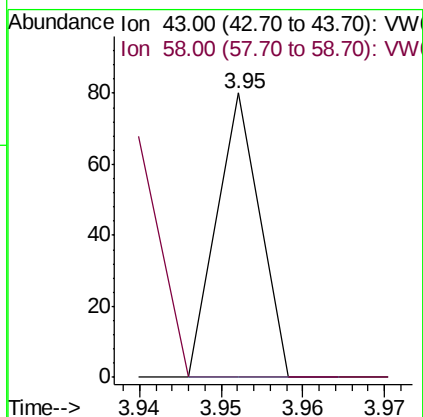
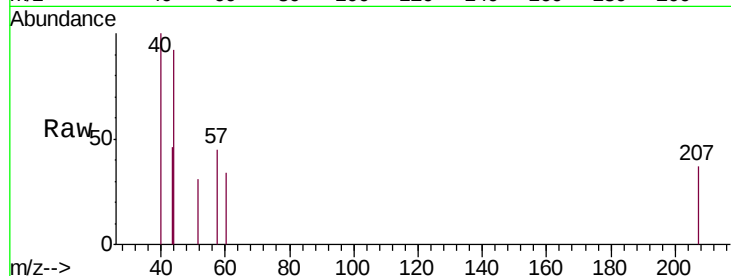
T12-D1-(0)

Tgt Ion: 43 Resp: 29

Ion Ratio Lower Upper

43 100

58 0.0 22.4 33.6#



#17

Carbon Disulfide

Concen: 31.554 ug/l

RT: 4.26 min Scan# 386

Delta R.T. -0.13 min

Lab File: VW012699.D

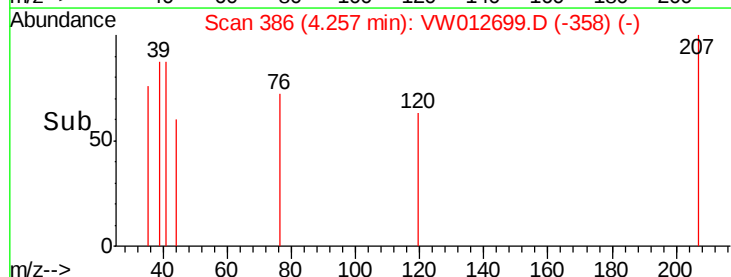
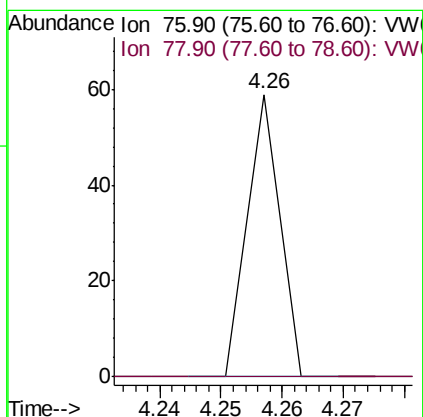
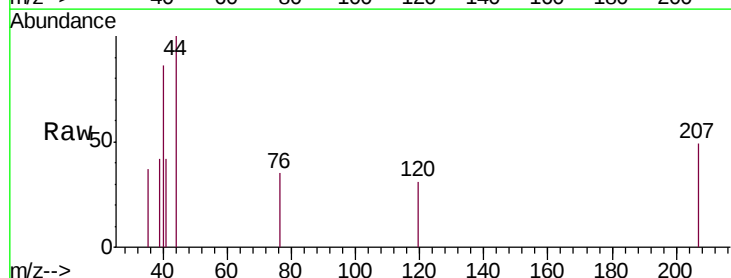
Acq: 06 Sep 2019 19:32

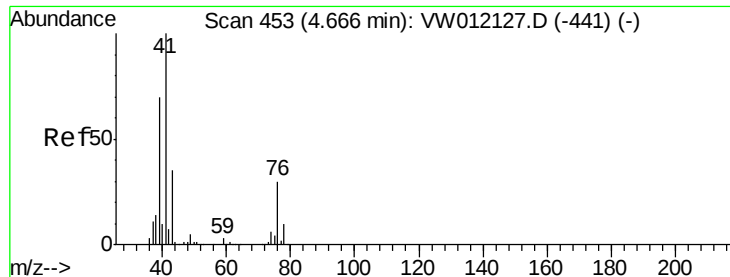
Tgt Ion: 76 Resp: 22

Ion Ratio Lower Upper

76 100

78 0.0 7.3 10.9#

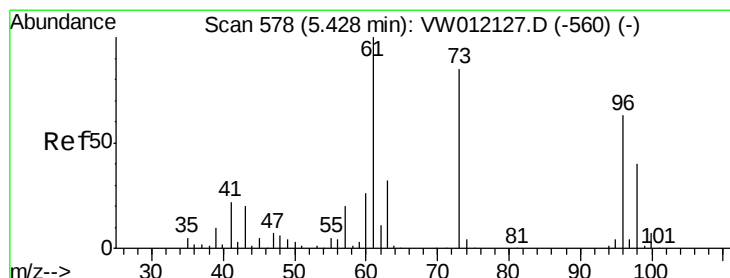
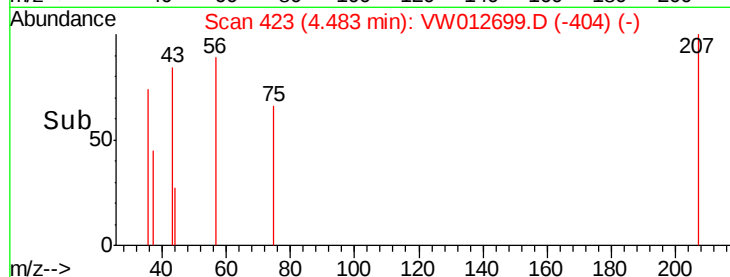
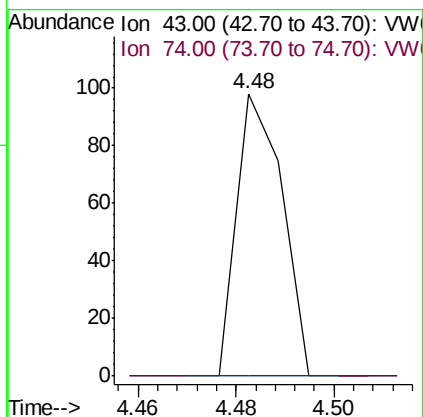
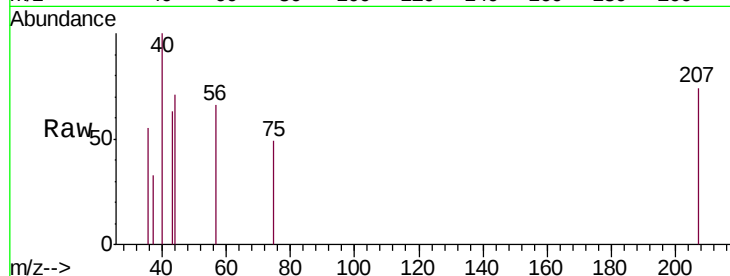




#18
Methyl Acetate
Concen: 363.939 ug/l
RT: 4.48 min Scan# 423
Delta R.T. -0.18 min
Lab File: VW012699.D
Acq: 06 Sep 2019 19:32

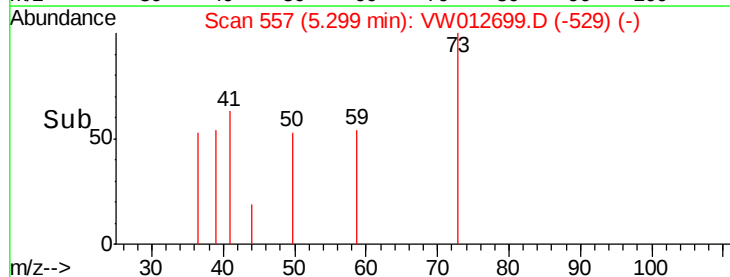
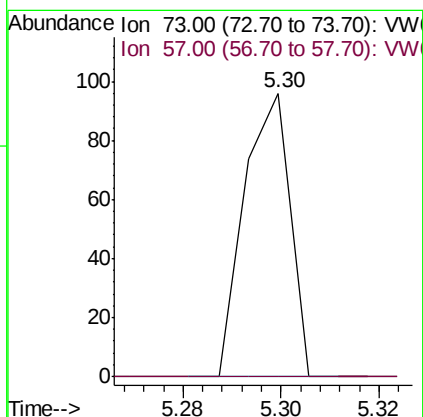
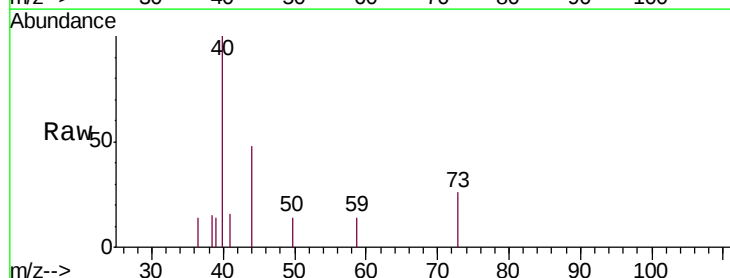
Instrument :
MSVOA_W
ClientSampled :
T12-D1-(0)

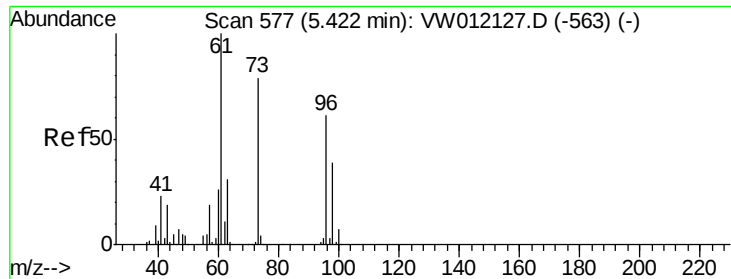
Tgt Ion: 43 Resp: 63
Ion Ratio Lower Upper
43 100
74 0.0 15.7 23.5#



#19
Methyl tert-butyl Ether
Concen: 166.184 ug/l
RT: 5.30 min Scan# 557
Delta R.T. -0.13 min
Lab File: VW012699.D
Acq: 06 Sep 2019 19:32

Tgt Ion: 73 Resp: 62
Ion Ratio Lower Upper
73 100
57 0.0 18.9 28.3#





#21

trans-1,2-Dichloroethene

Concen: 161.687 ug/l

RT: 5.49 min Scan# 588

Delta R.T. 0.07 min

Lab File: VW012699.D

Acq: 06 Sep 2019 19:32

Instrument :

MSVOA_W

ClientSampleId :

T12-D1-(0)

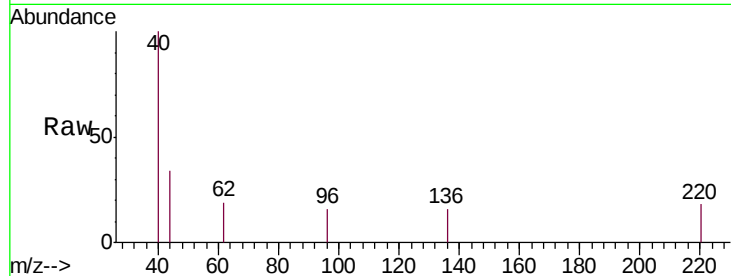
Tgt Ion: 96 Resp: 40

Ion Ratio Lower Upper

96 100

61 0.0 131.4 197.0#

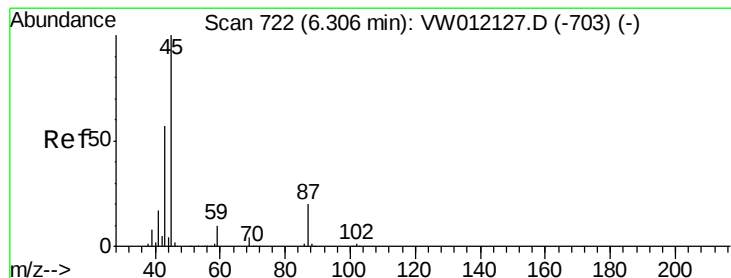
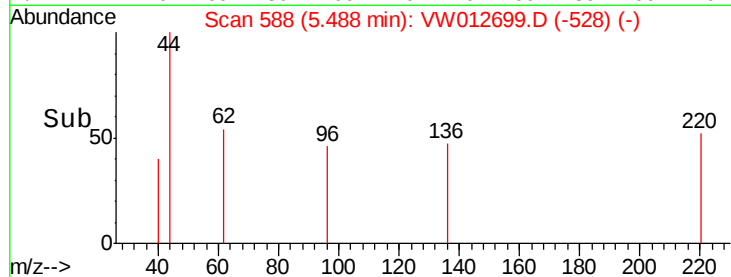
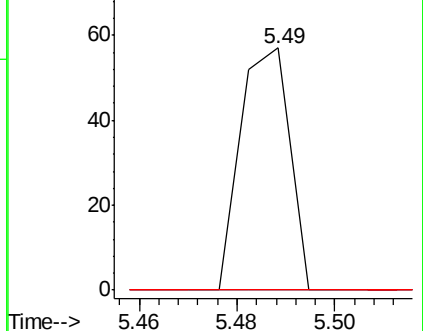
98 0.0 51.4 77.0#



Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 21.877 ug/l

RT: 6.27 min Scan# 716

Delta R.T. -0.04 min

Lab File: VW012699.D

Acq: 06 Sep 2019 19:32

Tgt Ion: 45 Resp: 20

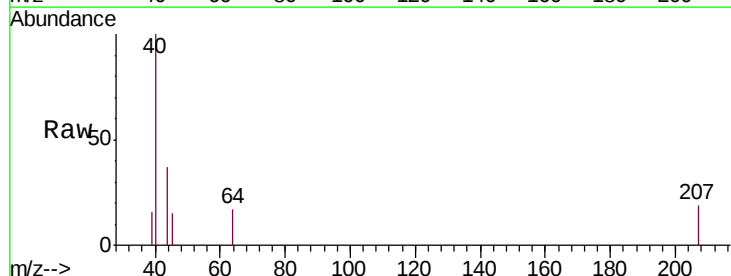
Ion Ratio Lower Upper

45 100

43 0.0 45.5 68.3#

87 0.0 16.1 24.1#

59 0.0 8.2 12.2#

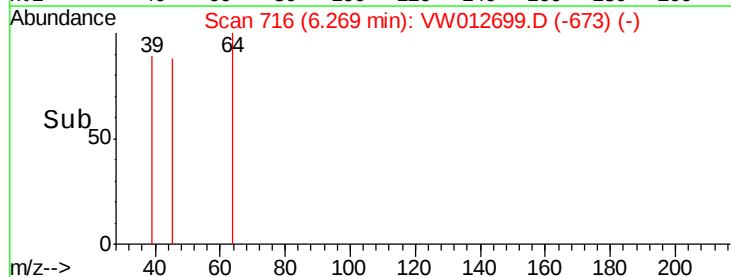
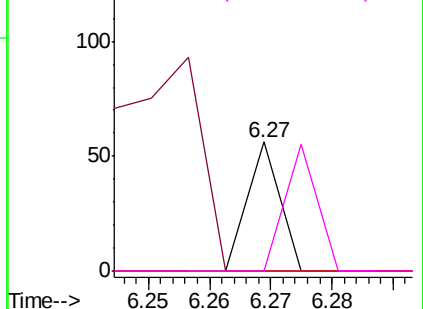


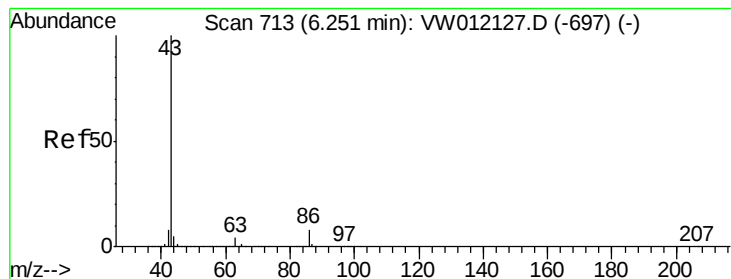
Abundance Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 39.103 ug/l

RT: 6.07 min Scan# 683

Delta R.T. -0.18 min

Lab File: VW012699.D

Acq: 06 Sep 2019 19:32

Instrument :

MSVOA_W

ClientSampleId :

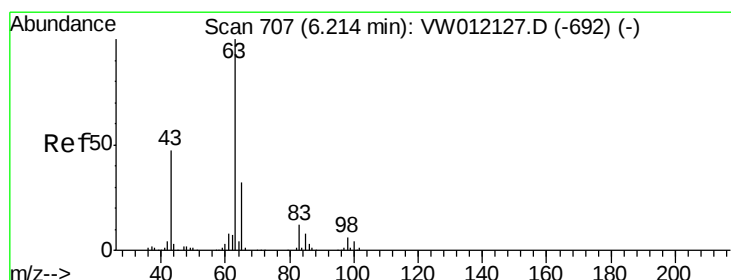
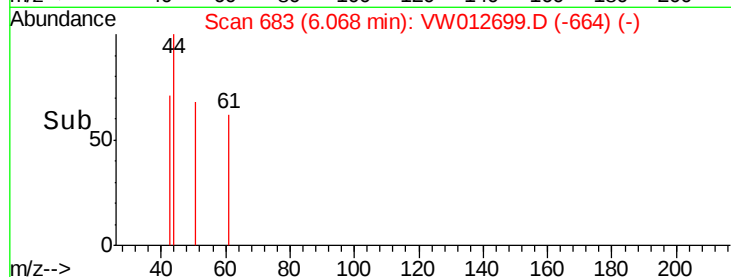
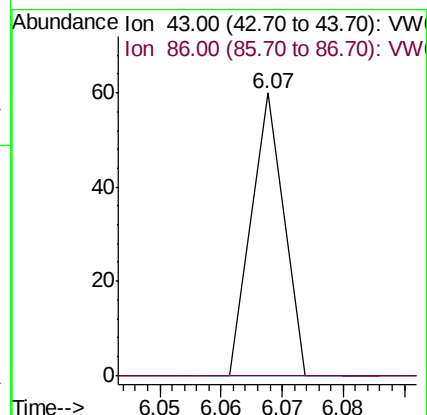
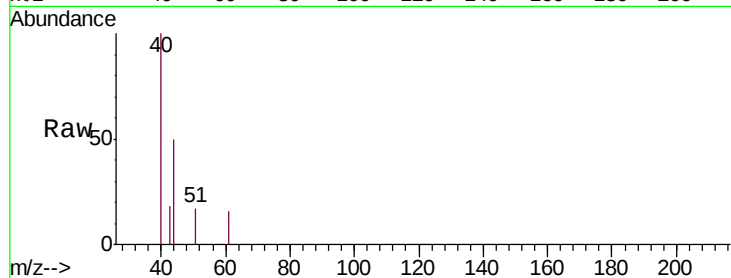
T12-D1-(0)

Tgt Ion: 43 Resp: 22

Ion Ratio Lower Upper

43 100

86 0.0 6.5 9.7#



#24

1,1-Dichloroethane

Concen: 38.170 ug/l

RT: 6.01 min Scan# 673

Delta R.T. -0.21 min

Lab File: VW012699.D

Acq: 06 Sep 2019 19:32

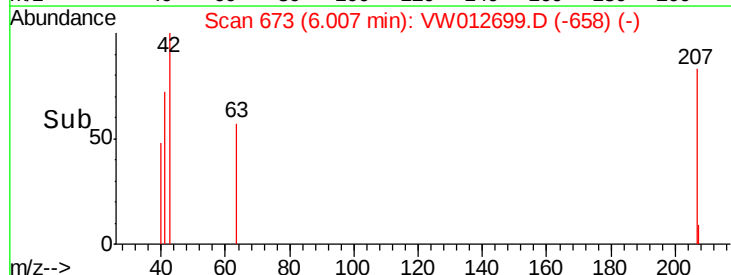
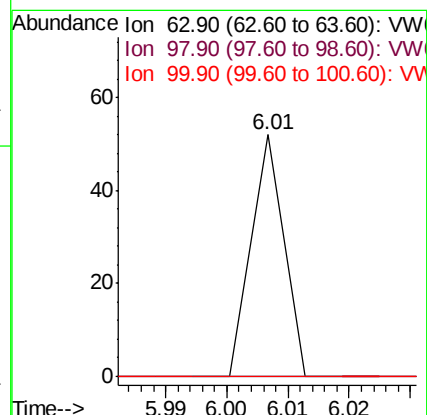
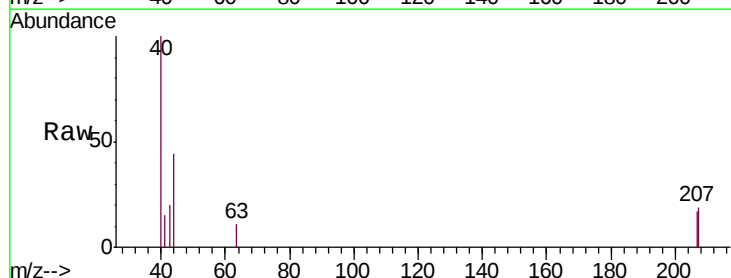
Tgt Ion: 63 Resp: 19

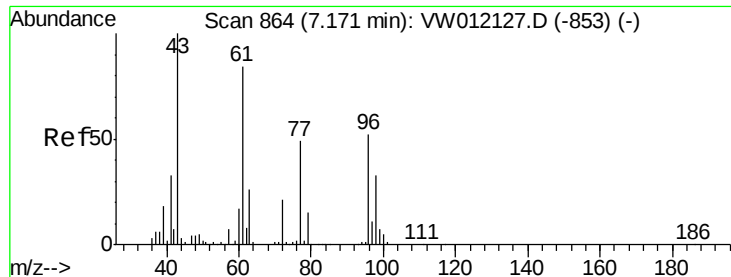
Ion Ratio Lower Upper

63 100

98 0.0 3.0 9.2#

100 0.0 2.0 6.0#





#25

2-Butanone

Concen: 737.053 ug/l

RT: 6.99 min Scan# 834

Delta R.T. -0.18 min

Lab File: VW012699.D

Acq: 06 Sep 2019 19:32

Instrument :

MSVOA_W

ClientSampled :

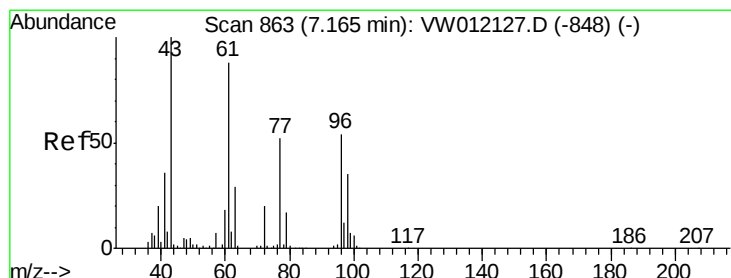
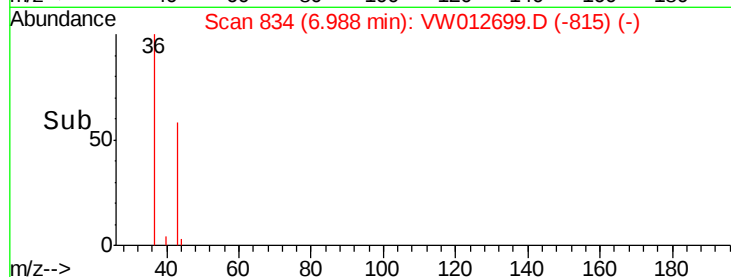
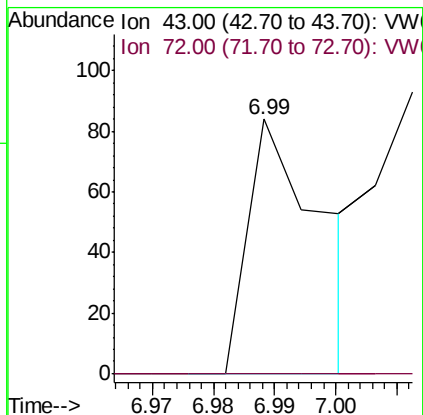
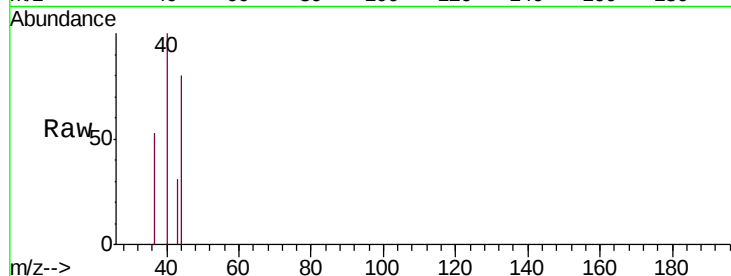
T12-D1-(0)

Tgt Ion: 43 Resp: 70

Ion Ratio Lower Upper

43 100

72 0.0 16.6 24.8#



#26

2,2-Dichloropropane

Concen: 191.665 ug/l

RT: 6.91 min Scan# 821

Delta R.T. -0.26 min

Lab File: VW012699.D

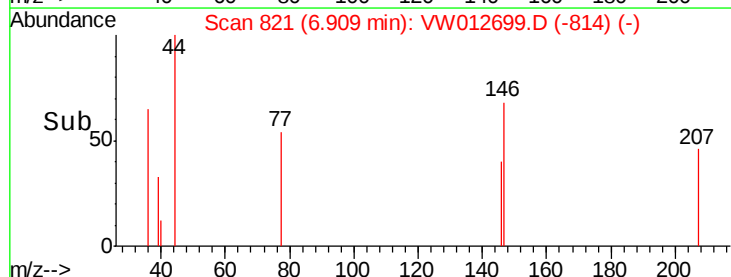
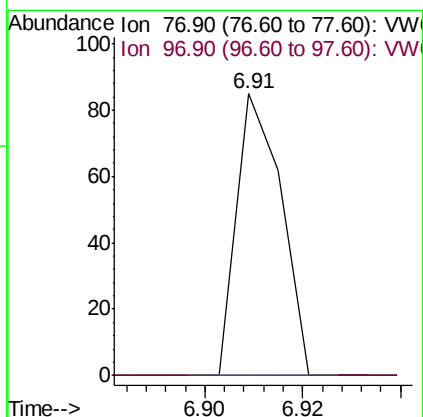
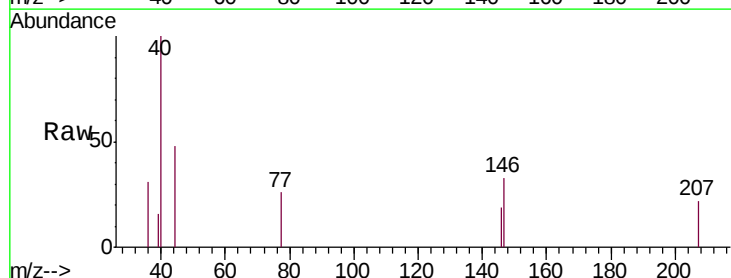
Acq: 06 Sep 2019 19:32

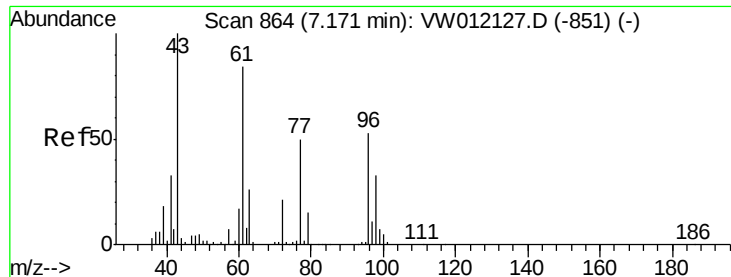
Tgt Ion: 77 Resp: 54

Ion Ratio Lower Upper

77 100

97 0.0 11.1 33.1#



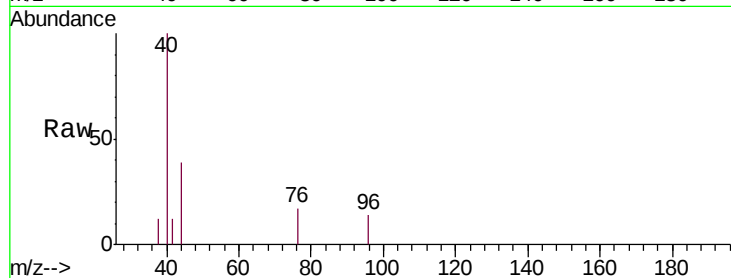


#27

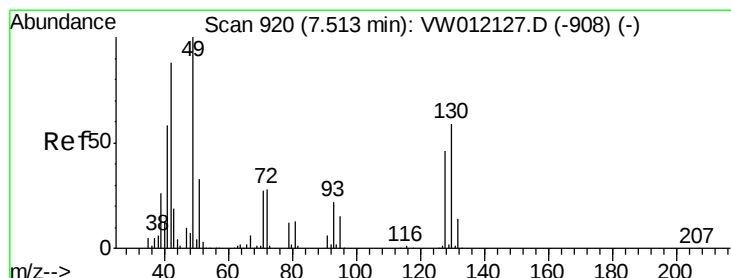
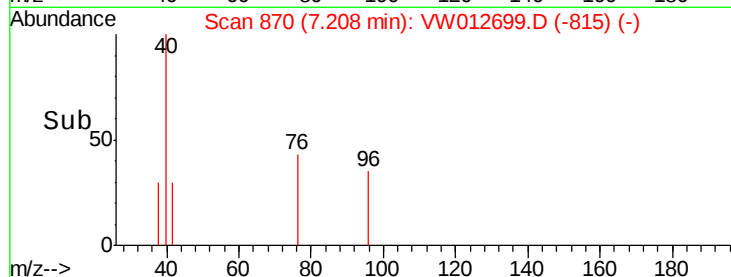
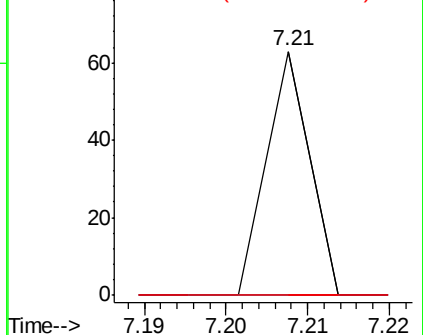
cis-1,2-Dichloroethene
 Concen: 87.017 ug/l
 RT: 7.21 min Scan# 870
 Delta R.T. 0.04 min
 Lab File: VW012699.D
 Acq: 06 Sep 2019 19:32

Instrument :
 MSVOA_W
 ClientSampleId :
 T12-D1-(0)

Tgt Ion: 96 Resp: 23
 Ion Ratio Lower Upper
 96 100
 61 0.0 0.0 326.6
 98 0.0 0.0 127.4



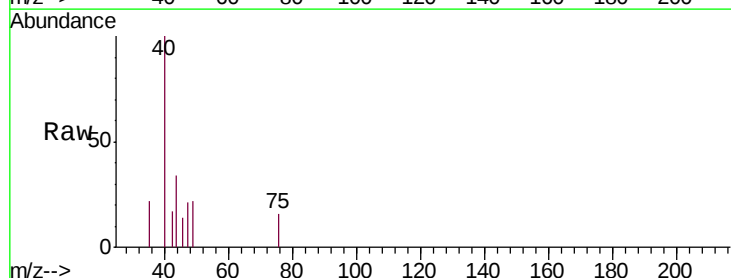
Abundance Ion 95.90 (95.60 to 96.60): VW
 Ion 60.90 (60.60 to 61.60): VW
 Ion 97.90 (97.60 to 98.60): VW



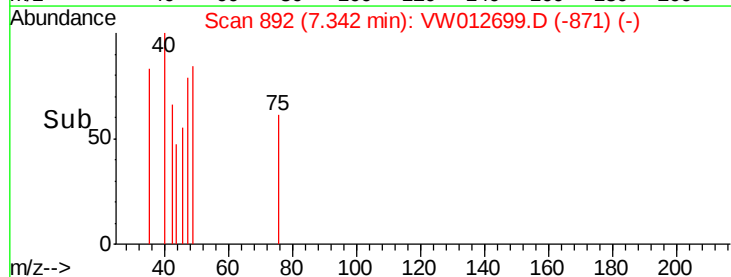
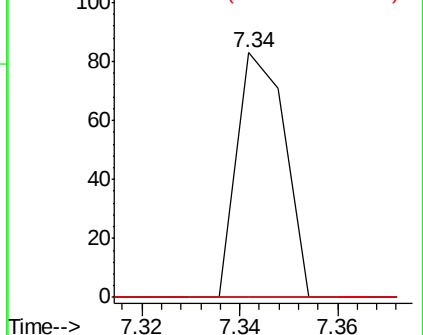
#28

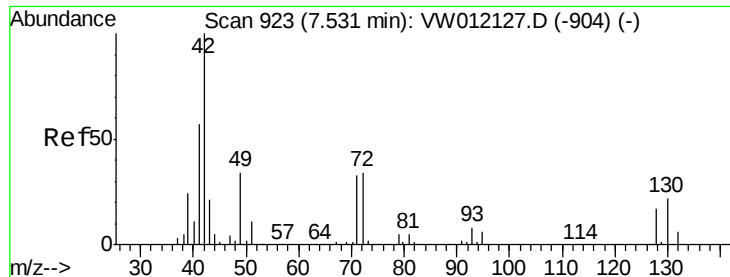
Bromochloromethane
 Concen: 258.123 ug/l
 RT: 7.34 min Scan# 892
 Delta R.T. -0.17 min
 Lab File: VW012699.D
 Acq: 06 Sep 2019 19:32

Tgt Ion: 49 Resp: 56
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 1.4
 130 0.0 45.5 68.3#



Abundance Ion 48.90 (48.60 to 49.60): VW
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 421.203 ug/l

RT: 7.34 min Scan# 892

Delta R.T. -0.19 min

Lab File: VW012699.D

Acq: 06 Sep 2019 19:32

Instrument :

MSVOA_W

ClientSampleId :

T12-D1-(0)

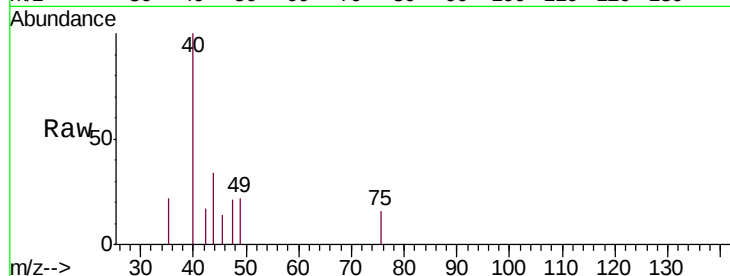
Tgt Ion: 42 Resp: 24

Ion Ratio Lower Upper

42 100

72 83.3 27.3 40.9#

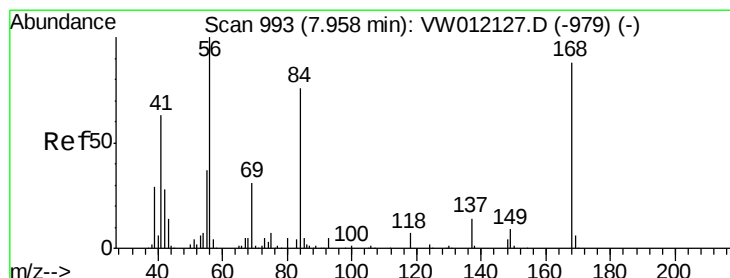
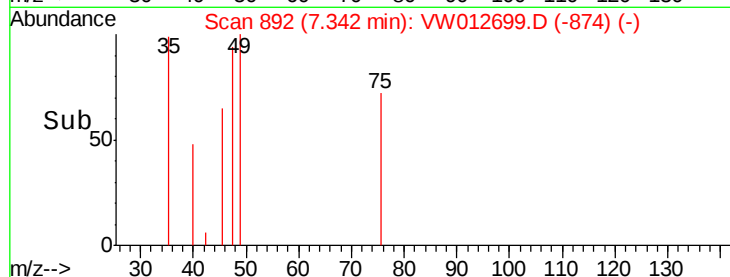
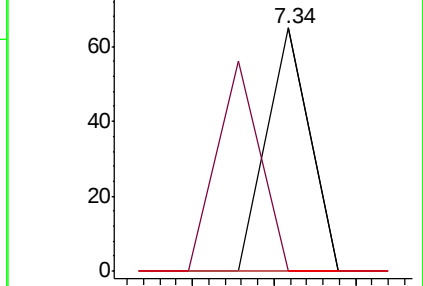
71 0.0 25.5 38.3#



Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW



#31

Cyclohexane

Concen: 48.734 ug/l

RT: 7.73 min Scan# 956

Delta R.T. -0.23 min

Lab File: VW012699.D

Acq: 06 Sep 2019 19:32

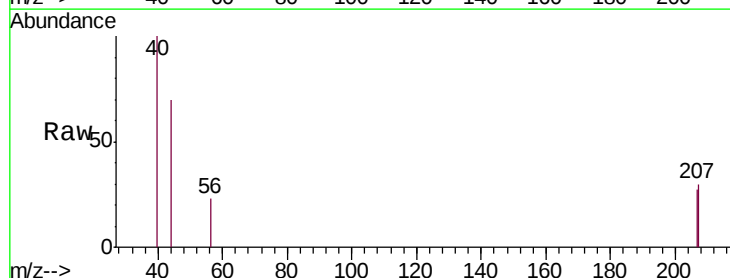
Tgt Ion: 56 Resp: 24

Ion Ratio Lower Upper

56 100

69 0.0 24.9 37.3#

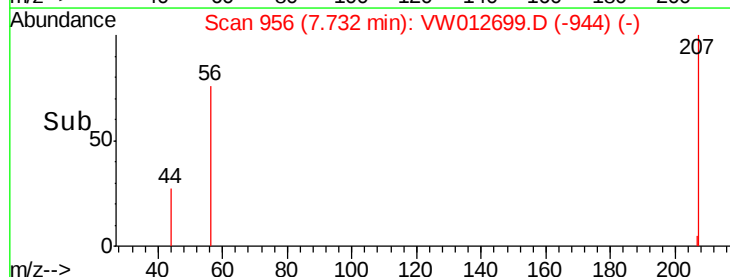
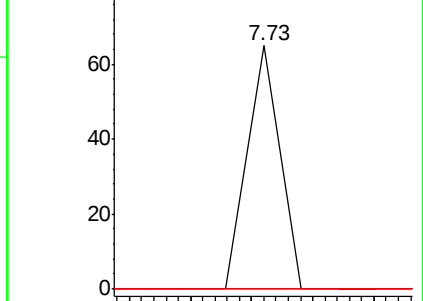
84 0.0 60.6 90.8#

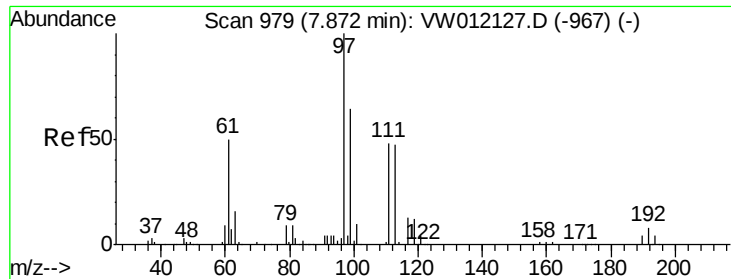


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW





#32

1,1,1-Trichloroethane

Concen: 55.515 ug/l

RT: 7.39 min Scan# 900

Delta R.T. -0.48 min

Lab File: VW012699.D

Acq: 06 Sep 2019 19:32

Instrument :

MSVOA_W

ClientSampleId :

T12-D1-(0)

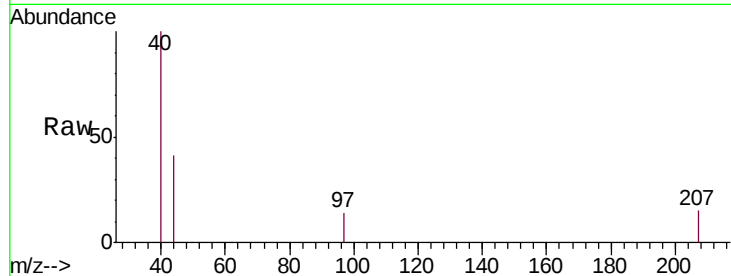
Tgt Ion: 97 Resp: 20

Ion Ratio Lower Upper

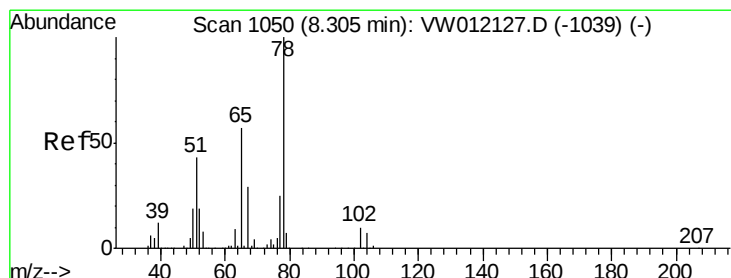
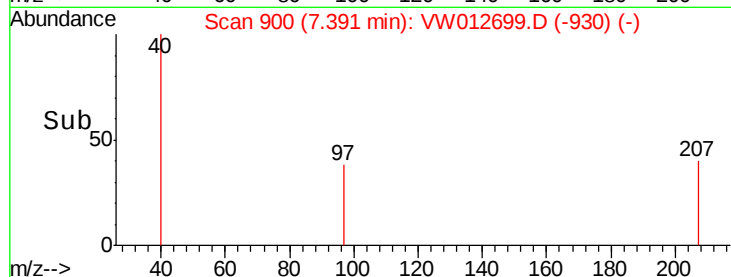
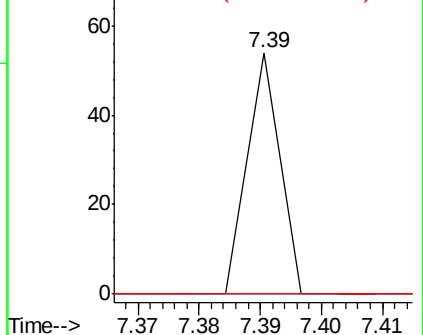
97 100

99 0.0 51.4 77.0#

61 0.0 39.5 59.3#



Abundance Ion 96.90 (96.60 to 97.60): VW
Ion 98.90 (98.60 to 99.60): VW
Ion 60.90 (60.60 to 61.60): VW



#33

1,2-Dichloroethane-d4

Concen: 73.149 ug/l

RT: 8.13 min Scan# 1021

Delta R.T. -0.18 min

Lab File: VW012699.D

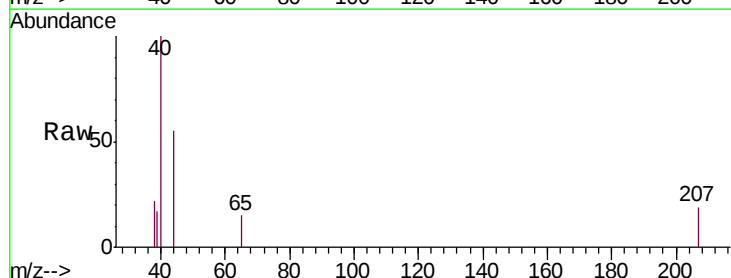
Acq: 06 Sep 2019 19:32

Tgt Ion: 65 Resp: 20

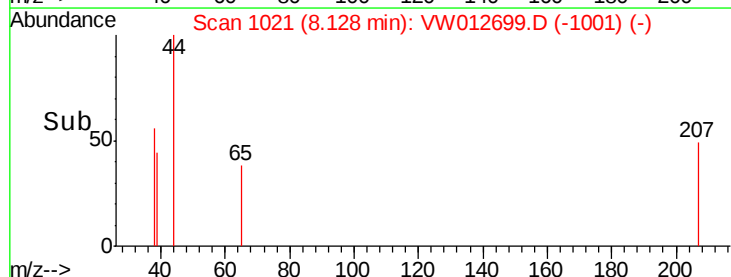
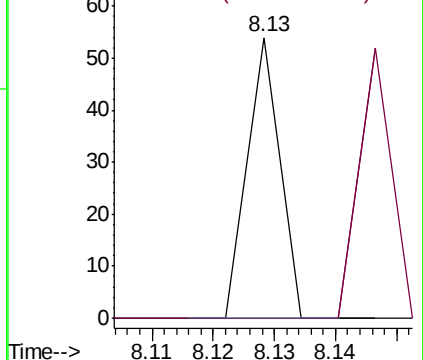
Ion Ratio Lower Upper

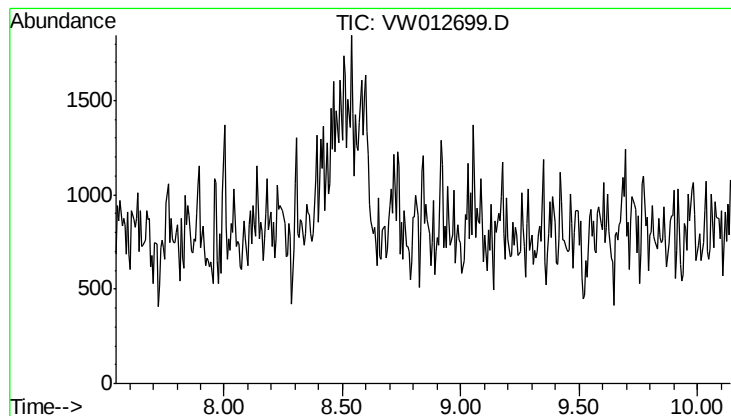
65 100

67 95.0 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

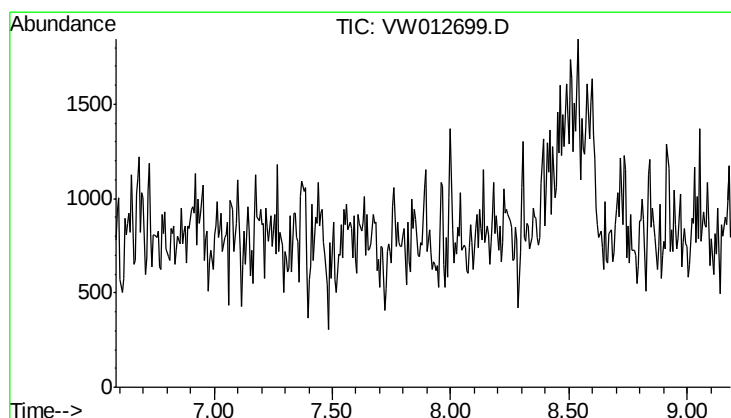
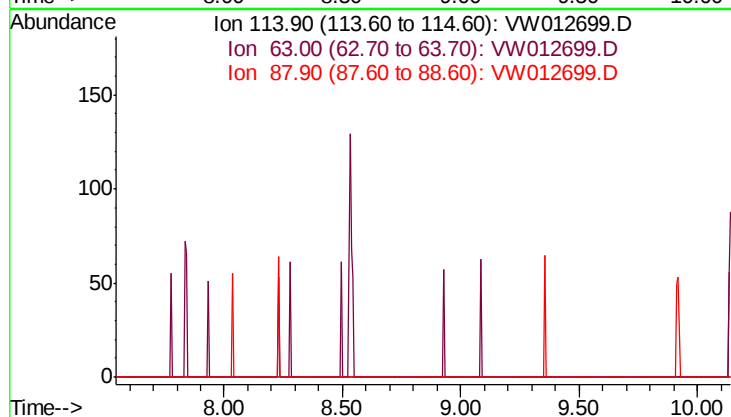




#34
 1,4-Difluorobenzene
 Concen: 0.000 ug/l
 Expected RT: 8.84 min
 Lab File: VW012699.D
 Acq: 06 Sep 2019 19:32

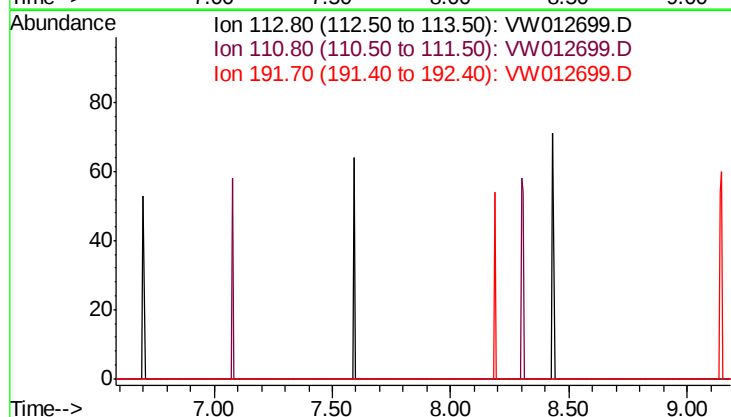
Instrument :
 MSVOA_W
 ClientSampleId :
 T12-D1-(0)

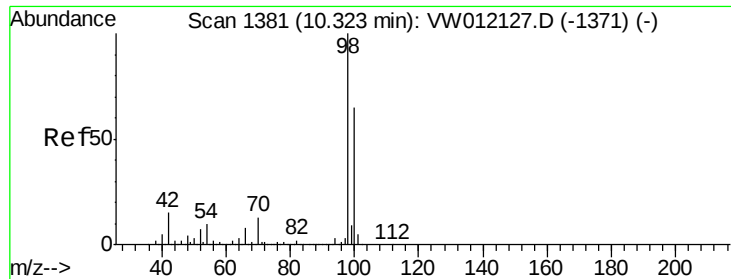
Tgt Ion	Exp Ratio
114	100
63	24.3
88	16.1



#35
 Dibromofluoromethane
 Concen: 0.000 ug/l
 Expected RT: 7.88 min
 Lab File: VW012699.D
 Acq: 06 Sep 2019 19:32

Tgt Ion	Exp Ratio
113	100
111	103.4
192	20.2





#50

Toluene-d8

Concen: 0.000 ug/l

RT: 10.40 min Scan# 1393

Delta R.T. 0.07 min

Lab File: VW012699.D

Acq: 06 Sep 2019 19:32

Instrument :

MSVOA_W

ClientSampled :

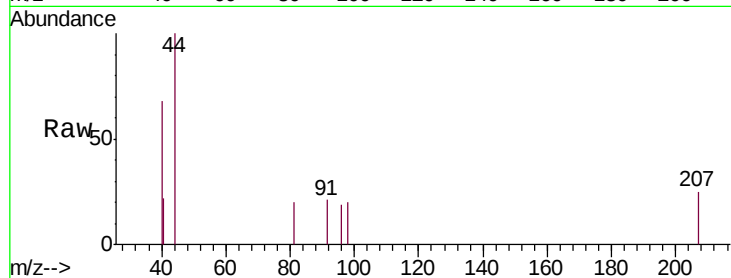
T12-D1-(0)

Tgt Ion: 98 Resp: 20

Ion Ratio Lower Upper

98 100

100 0.0 52.4 78.6#

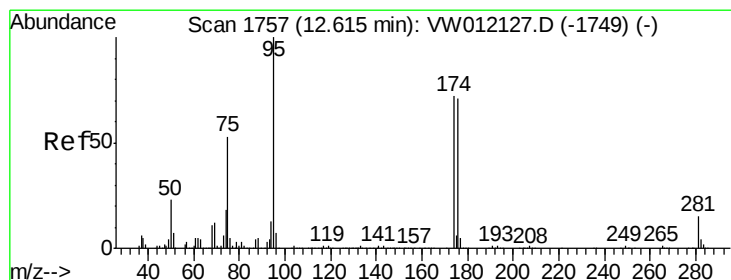
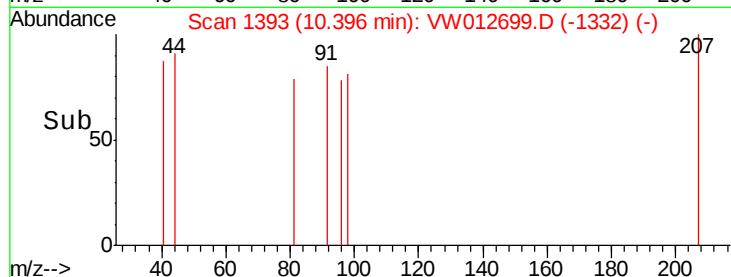


Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

10.40

Time-->



#62

4-Bromofluorobenzene

Concen: 0.000 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012699.D

Acq: 06 Sep 2019 19:32

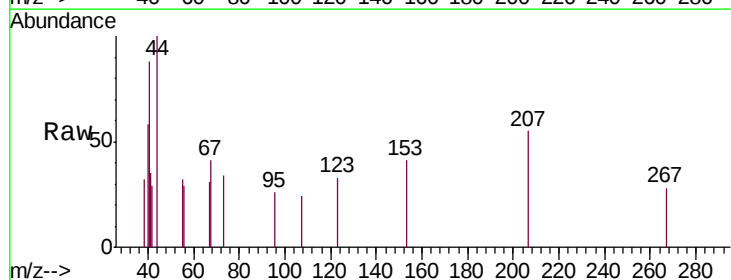
Tgt Ion: 95 Resp: 21

Ion Ratio Lower Upper

95 100

174 0.0 0.0 150.8

176 0.0 0.0 148.6



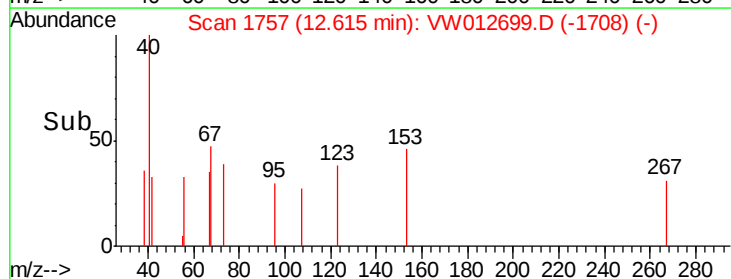
Abundance Ion 94.90 (94.60 to 95.60): VW

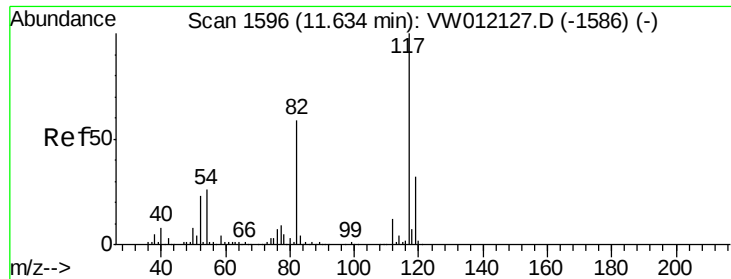
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.62

Time-->

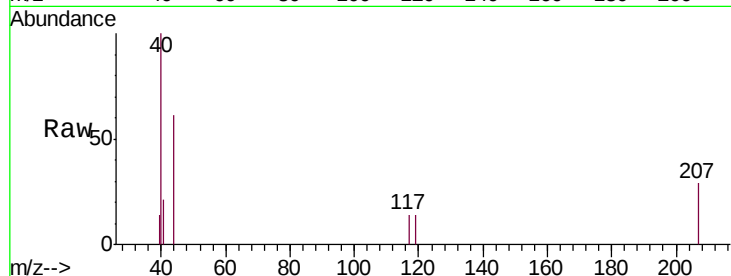




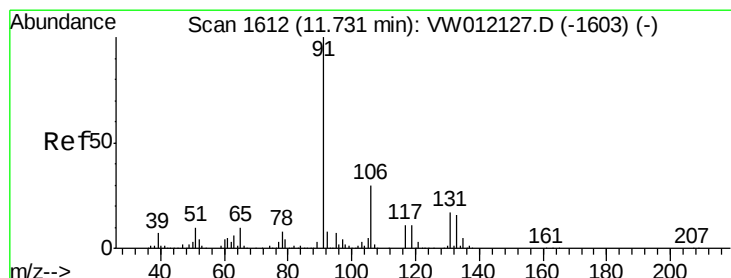
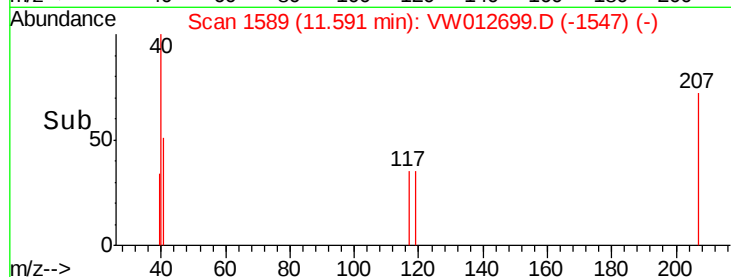
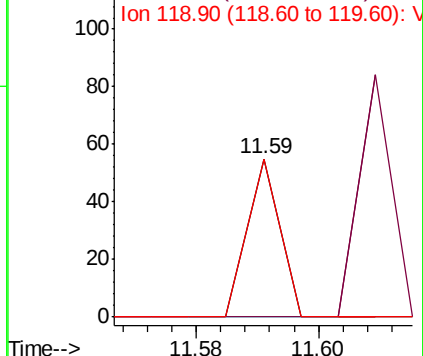
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.59 min Scan# 1589
Delta R.T. -0.04 min
Lab File: VW012699.D
Acq: 06 Sep 2019 19:32

Instrument :
MSVOA_W
ClientSampleId :
T12-D1-(0)

Tgt Ion: 117 Resp: 20
Ion Ratio Lower Upper
117 100
82 0.0 47.4 71.2#
119 100.0 25.4 38.2#

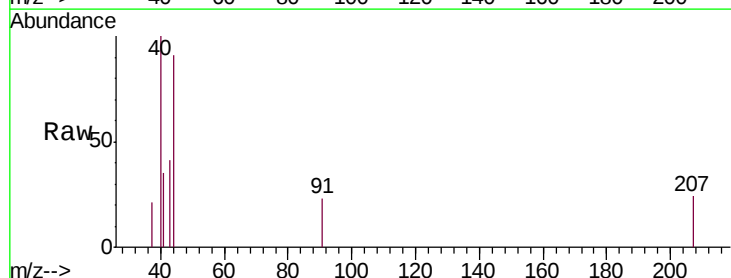


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

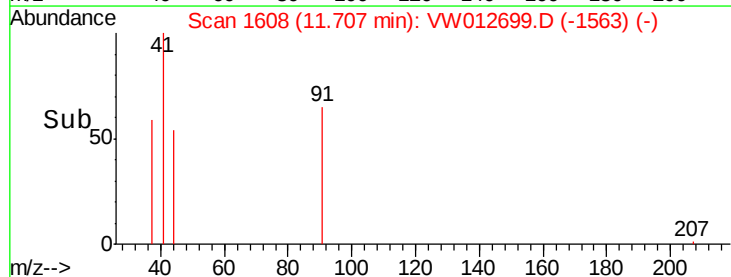
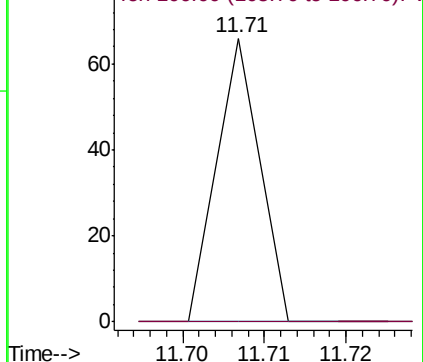


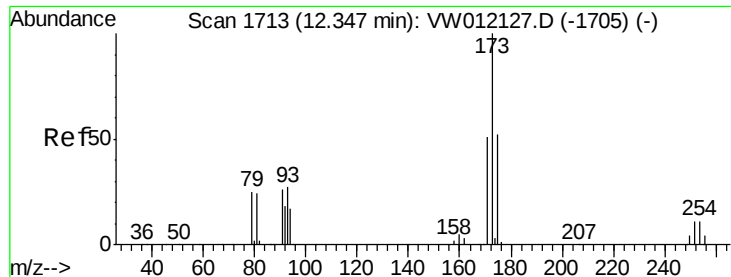
#67
Ethyl Benzene
Concen: 31.636 ug/l
RT: 11.71 min Scan# 1608
Delta R.T. -0.02 min
Lab File: VW012699.D
Acq: 06 Sep 2019 19:32

Tgt Ion: 91 Resp: 24
Ion Ratio Lower Upper
91 100
106 0.0 24.3 36.5#



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 106.00 (105.70 to 106.70): V

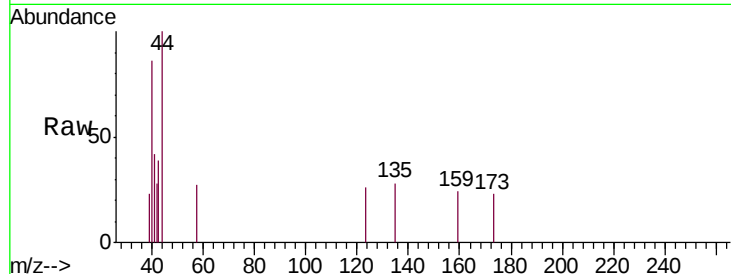




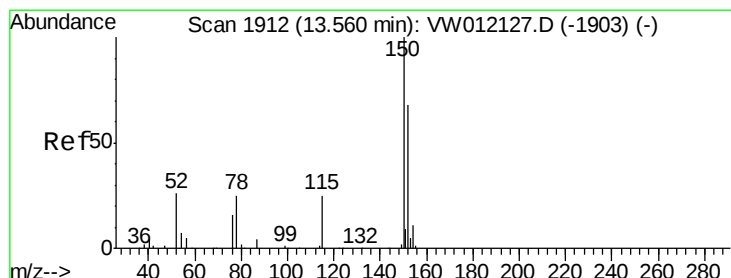
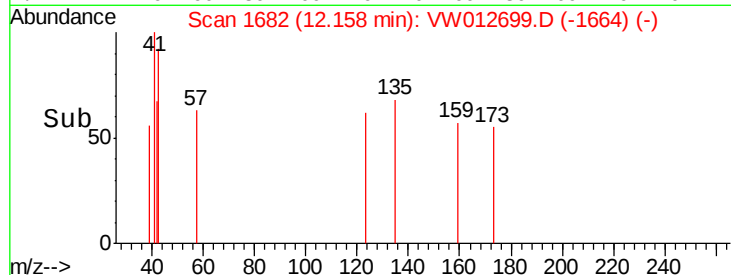
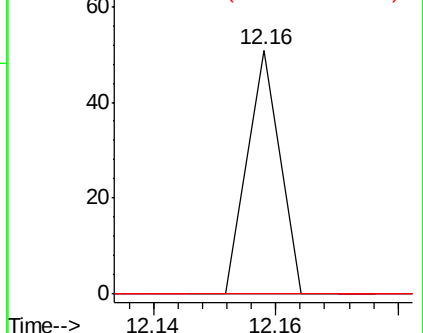
#71
Bromoform
Concen: 277.574 ug/l
RT: 12.16 min Scan# 1682
Delta R.T. -0.19 min
Lab File: VW012699.D
Acq: 06 Sep 2019 19:32

Instrument :
MSVOA_W
ClientSampleId :
T12-D1-(0)

Tgt Ion:173 Resp: 19
Ion Ratio Lower Upper
173 100
175 0.0 24.6 74.0#
254 0.0 0.2 0.2#

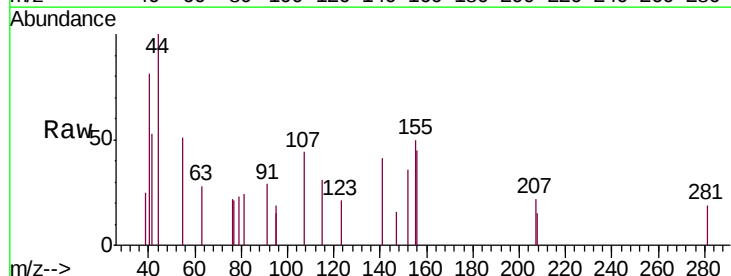


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

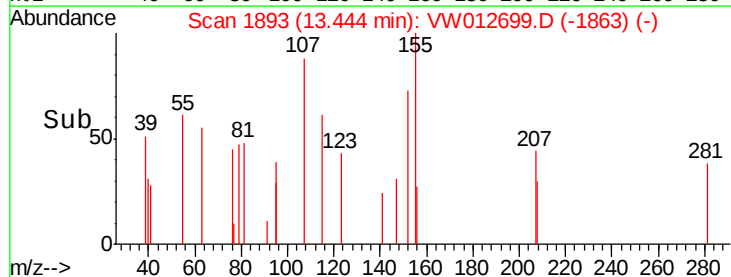
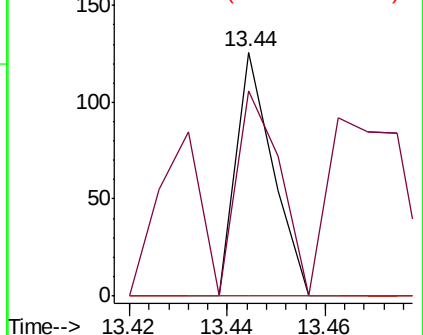


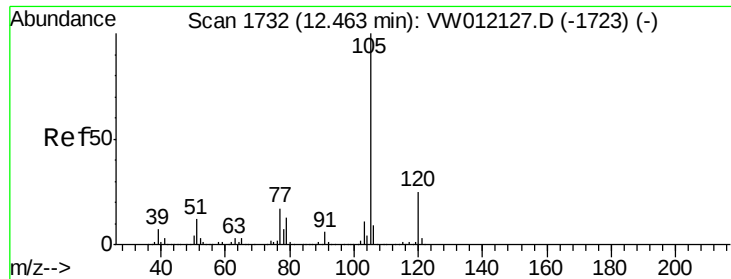
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1893
Delta R.T. -0.12 min
Lab File: VW012699.D
Acq: 06 Sep 2019 19:32

Tgt Ion:152 Resp: 66
Ion Ratio Lower Upper
152 100
115 98.5 30.1 90.3#
150 0.0 0.0 345.8



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: 4.449 ug/l

RT: 12.52 min Scan# 1742

Delta R.T. 0.06 min

Lab File: VW012699.D

Acq: 06 Sep 2019 19:32

Instrument :

MSVOA_W

ClientSampleId :

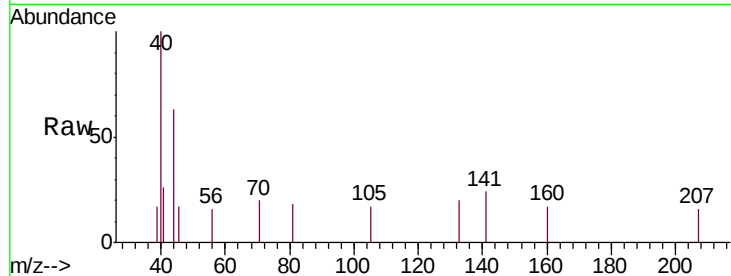
T12-D1-(0)

Tgt Ion:105 Resp: 22

Ion Ratio Lower Upper

105 100

120 0.0 12.5 37.5#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.52

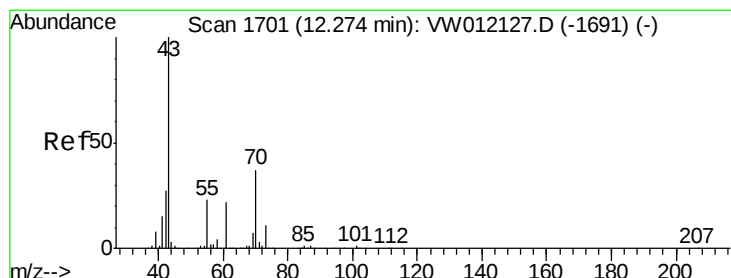
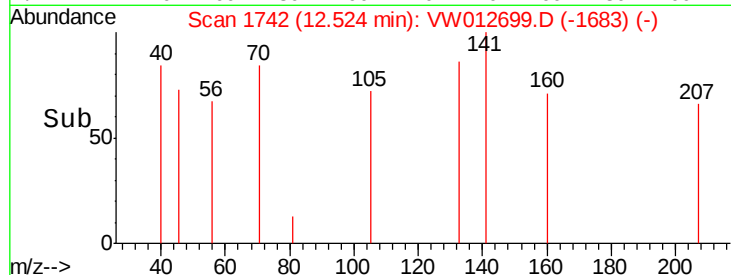
60

40

20

0

Time--> 12.50 12.52 12.54



#74

N-ethyl acetate

Concen: 38.818 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. -0.01 min

Lab File: VW012699.D

Acq: 06 Sep 2019 19:32

Tgt Ion: 43 Resp: 58

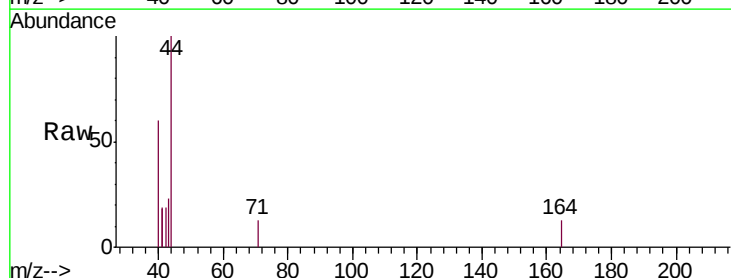
Ion Ratio Lower Upper

43 100

70 65.5 28.6 43.0#

55 51.7 17.8 26.6#

61 0.0 17.3 25.9#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

12.27

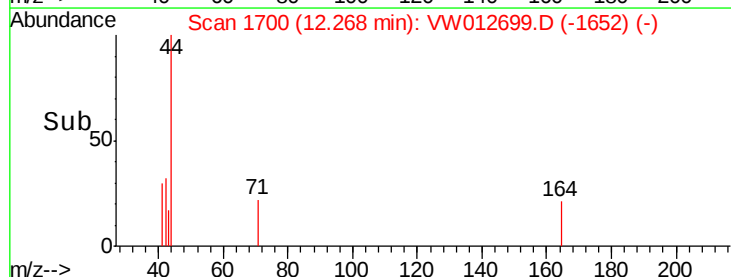
150

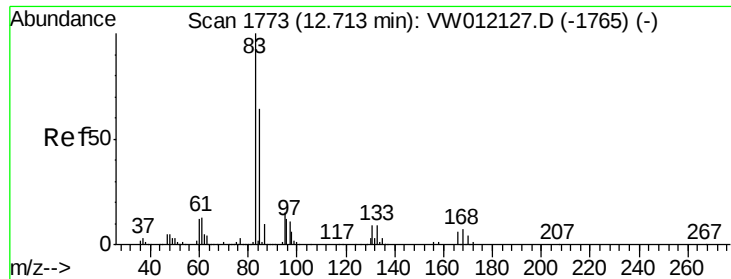
100

50

0

Time--> 12.24 12.26 12.28





#75

1,1,2,2-Tetrachloroethane

Concen: 205.151 ug/l

RT: 12.71 min Scan# 1772

Delta R.T. -0.01 min

Lab File: VW012699.D

Acq: 06 Sep 2019 19:32

Instrument :

MSVOA_W

ClientSampleId :

T12-D1-(0)

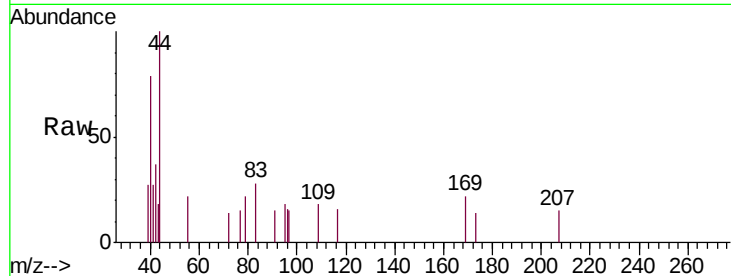
Tgt Ion: 83 Resp: 186

Ion Ratio Lower Upper

83 100

131 0.0 4.9 14.7#

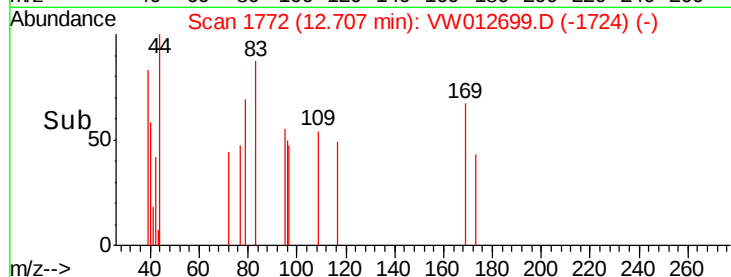
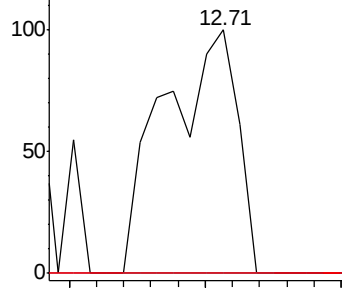
85 0.0 31.9 95.7#



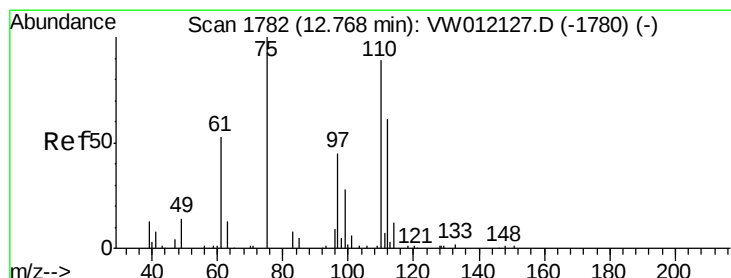
Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW



Time-->



#76

1,2,3-Trichloropropane

Concen: 34.226 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.05 min

Lab File: VW012699.D

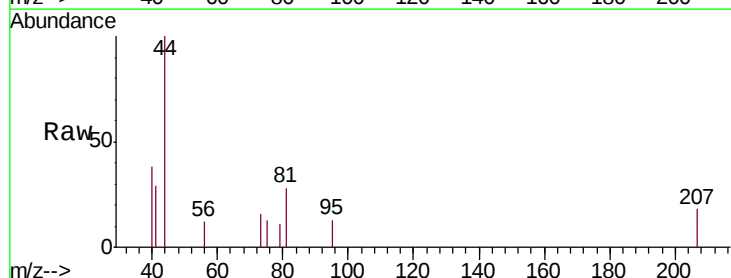
Acq: 06 Sep 2019 19:32

Tgt Ion: 75 Resp: 22

Ion Ratio Lower Upper

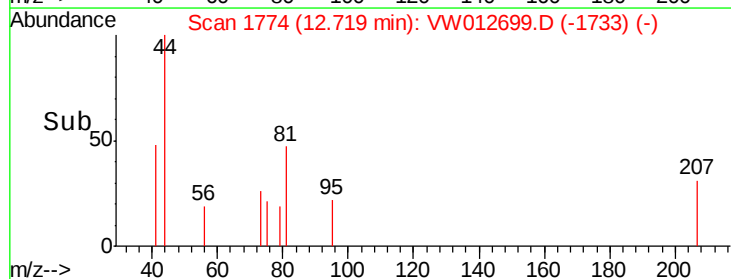
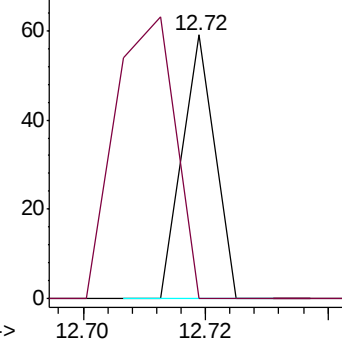
75 100

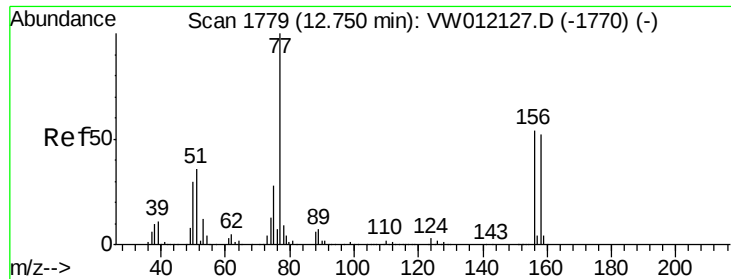
77 195.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 20.563 ug/l

RT: 12.74 min Scan# 1777

Delta R.T. -0.01 min

Lab File: VW012699.D

Acq: 06 Sep 2019 19:32

Instrument :

MSVOA_W

ClientSampleId :

T12-D1-(0)

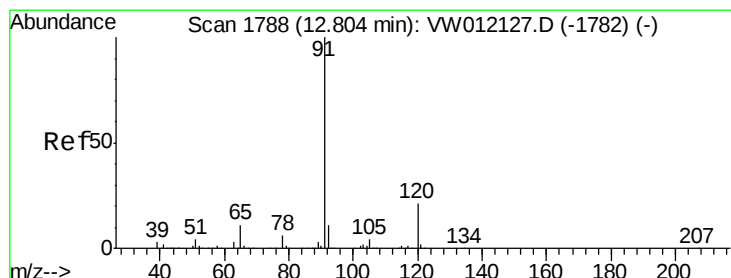
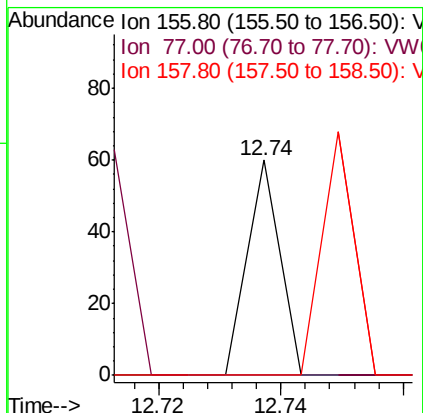
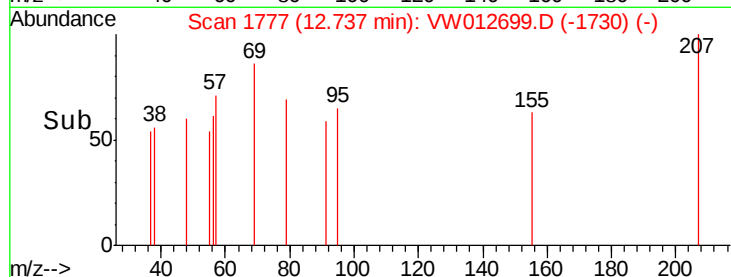
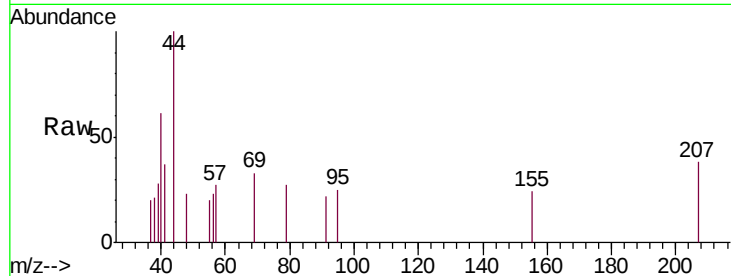
Tgt Ion:156 Resp: 22

Ion Ratio Lower Upper

156 100

77 0.0 107.3 321.8#

158 113.6 49.0 147.0



#78

n-propylbenzene

Concen: 9.607 ug/l

RT: 12.82 min Scan# 1790

Delta R.T. 0.01 min

Lab File: VW012699.D

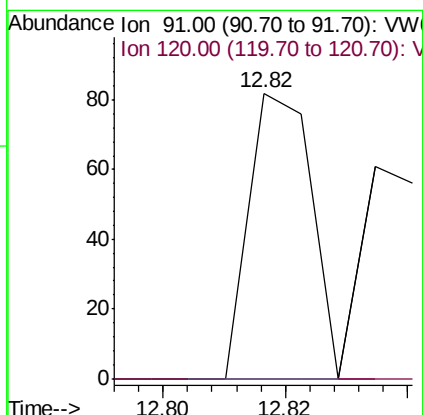
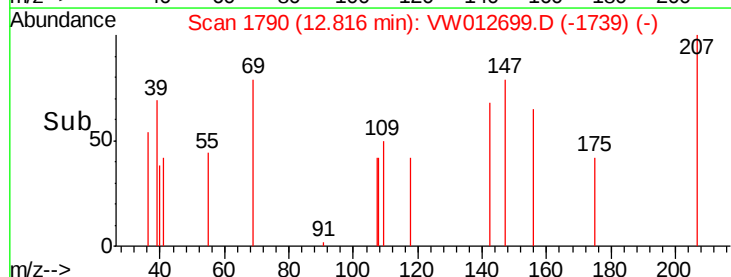
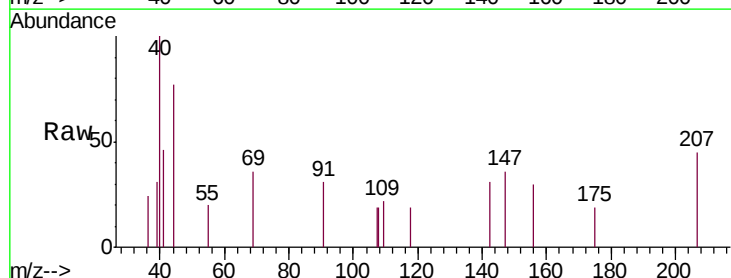
Acq: 06 Sep 2019 19:32

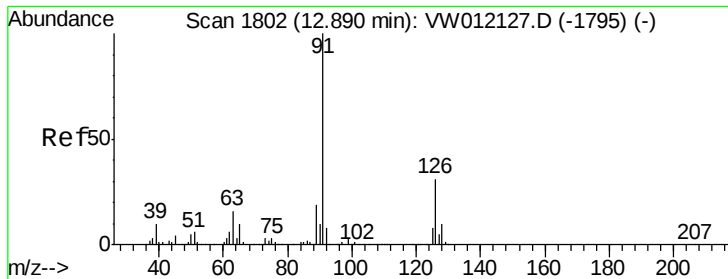
Tgt Ion: 91 Resp: 58

Ion Ratio Lower Upper

91 100

120 0.0 10.5 31.6#

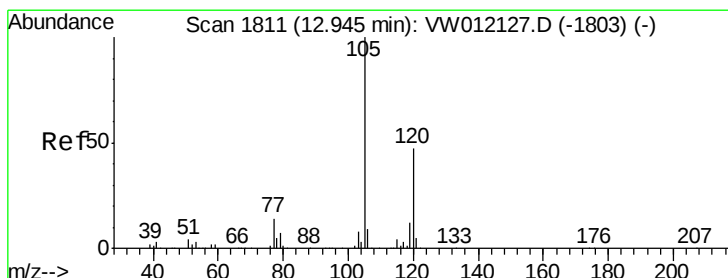
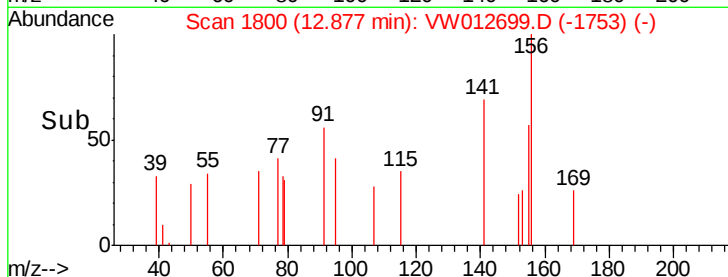
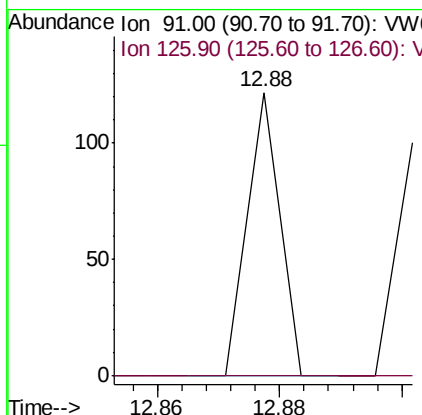
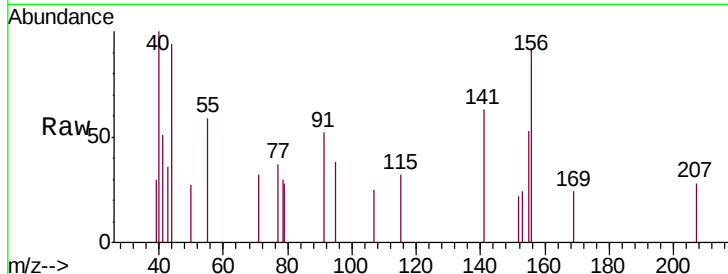




#79
2-Chlorotoluene
Concen: 13.128 ug/l
RT: 12.88 min Scan# 1800
Delta R.T. -0.01 min
Lab File: VW012699.D
Acq: 06 Sep 2019 19:32

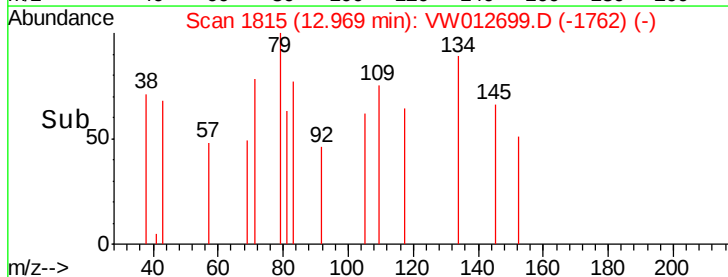
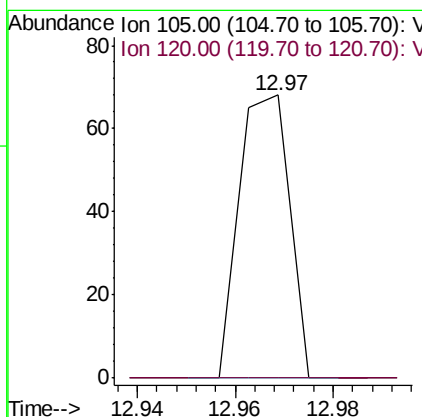
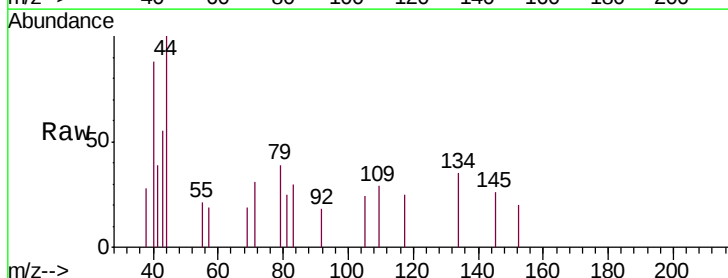
Instrument :
MSVOA_W
ClientSampled :
T12-D1-(0)

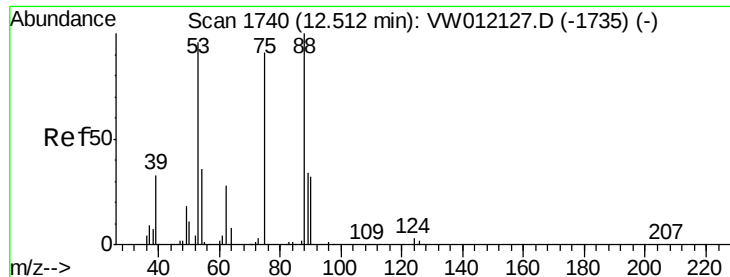
Tgt Ion: 91 Resp: 45
Ion Ratio Lower Upper
91 100
126 0.0 15.7 47.0#



#80
1,3,5-Trimethylbenzene
Concen: 11.857 ug/l
RT: 12.97 min Scan# 1815
Delta R.T. 0.02 min
Lab File: VW012699.D
Acq: 06 Sep 2019 19:32

Tgt Ion: 105 Resp: 49
Ion Ratio Lower Upper
105 100
120 0.0 24.0 72.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 180.781 ug/l

RT: 12.44 min Scan# 1728

Delta R.T. -0.07 min

Lab File: VW012699.D

Acq: 06 Sep 2019 19:32

Instrument :

MSVOA_W

ClientSampleId :

T12-D1-(0)

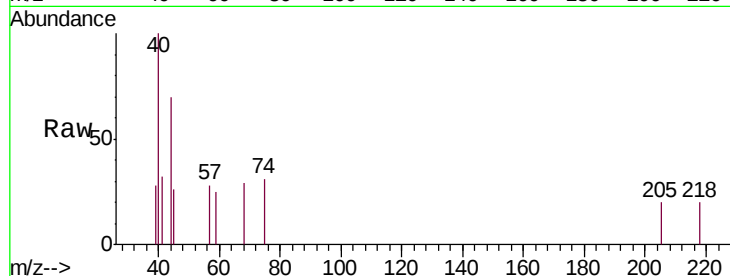
Tgt Ion: 75 Resp: 53

Ion Ratio Lower Upper

75 100

53 0.0 89.4 134.0#

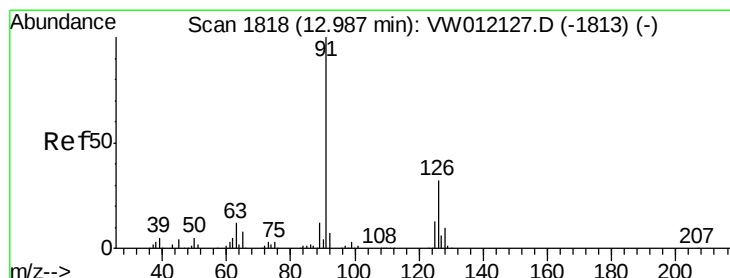
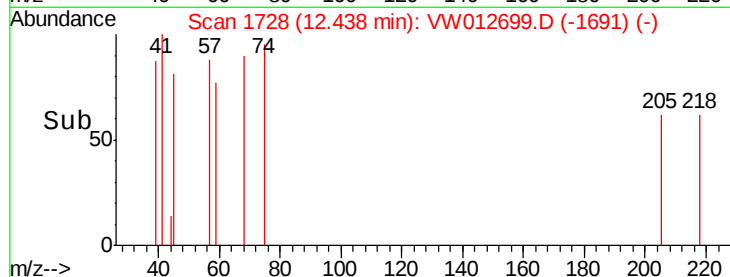
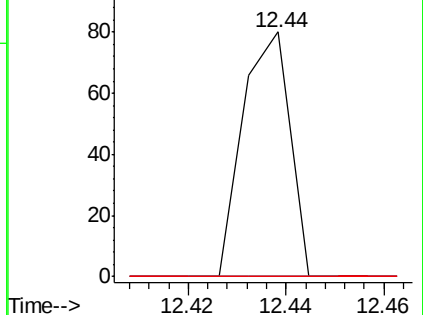
89 0.0 34.5 51.7#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW



#82

4-Chlorotoluene

Concen: 26.469 ug/l

RT: 13.01 min Scan# 1822

Delta R.T. 0.02 min

Lab File: VW012699.D

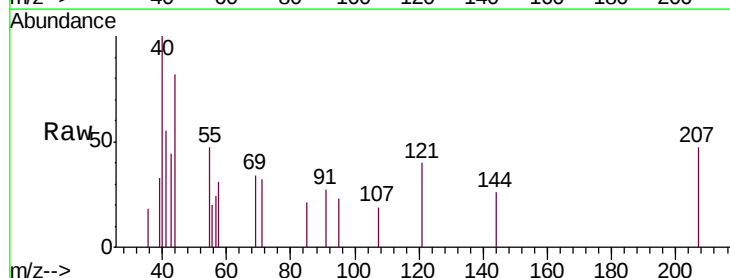
Acq: 06 Sep 2019 19:32

Tgt Ion: 91 Resp: 95

Ion Ratio Lower Upper

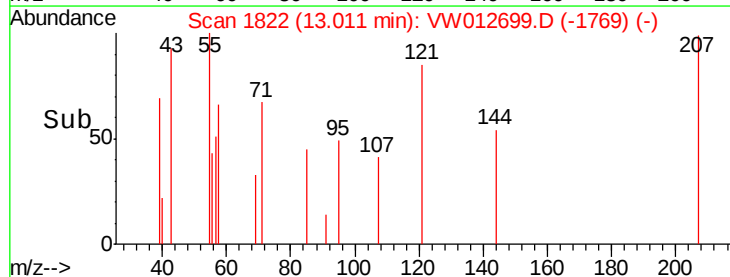
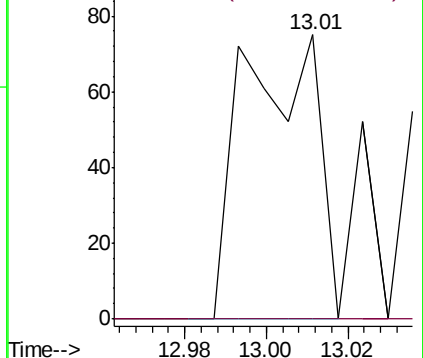
91 100

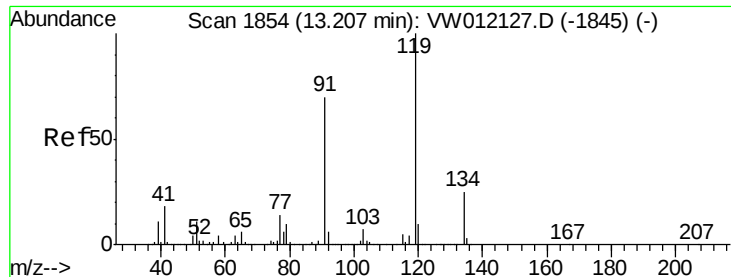
126 0.0 15.6 46.8#



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 12.570 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VW012699.D

Acq: 06 Sep 2019 19:32

Instrument :

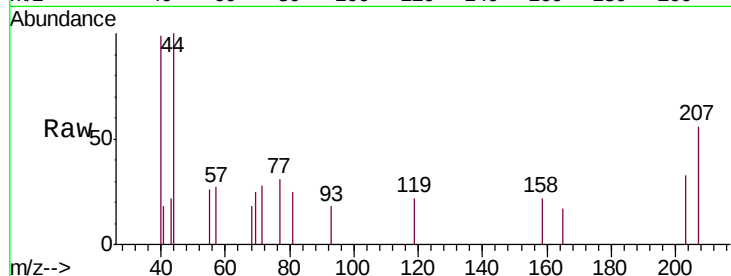
MSVOA_W

ClientSampled :

T12-D1-(0)

Tgt Ion:119 Resp: 44

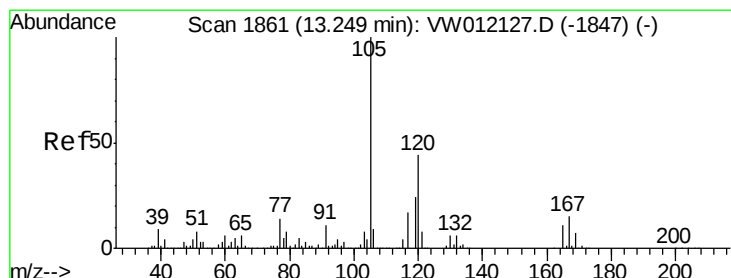
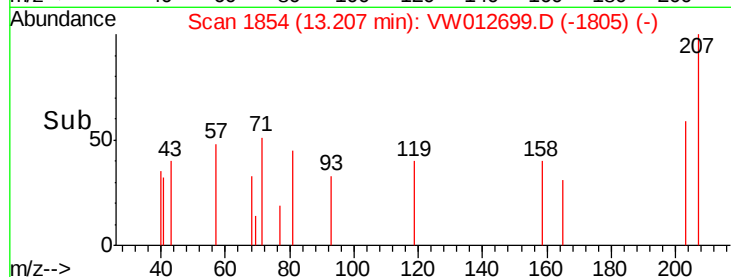
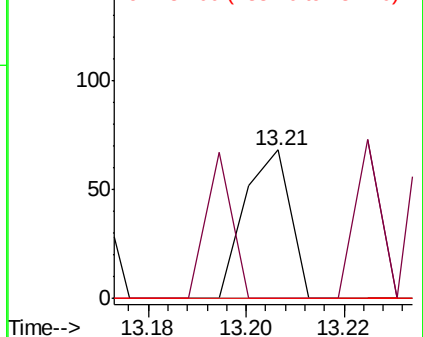
Ion	Ratio	Lower	Upper
119	100		
91	56.8	34.8	104.3
134	0.0	13.3	39.8#



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VW

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 10.600 ug/l

RT: 13.21 min Scan# 1855

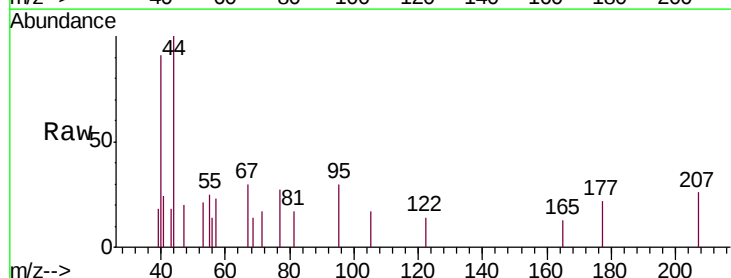
Delta R.T. -0.04 min

Lab File: VW012699.D

Acq: 06 Sep 2019 19:32

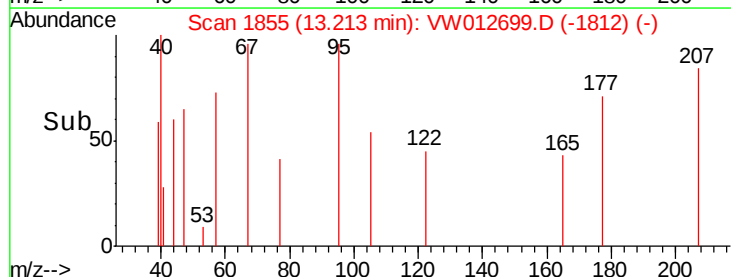
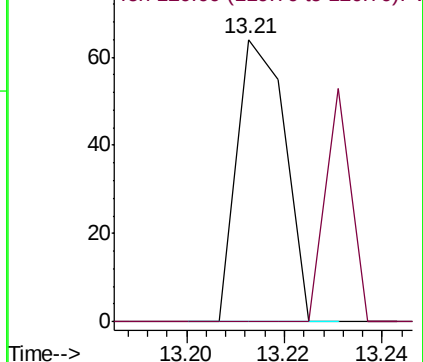
Tgt Ion:105 Resp: 44

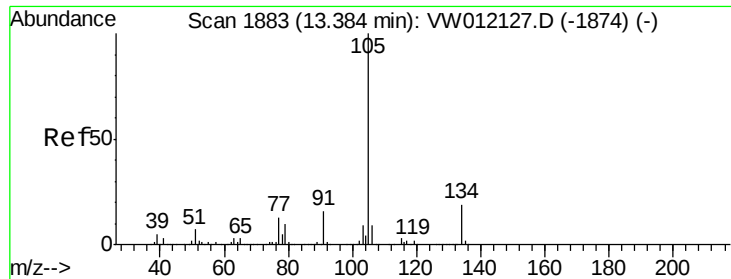
Ion	Ratio	Lower	Upper
105	100		
120	43.2	21.9	65.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

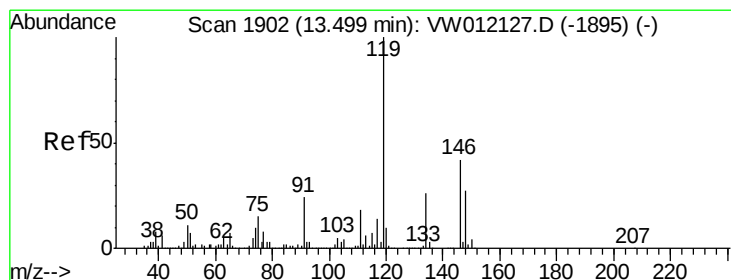
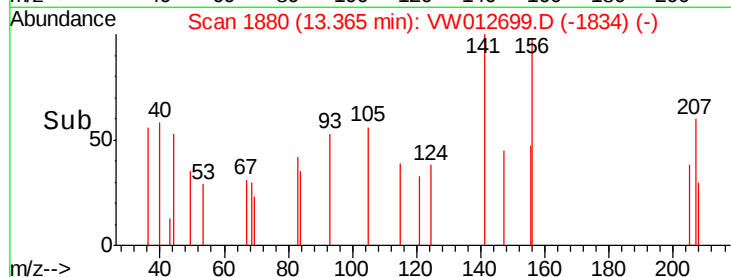
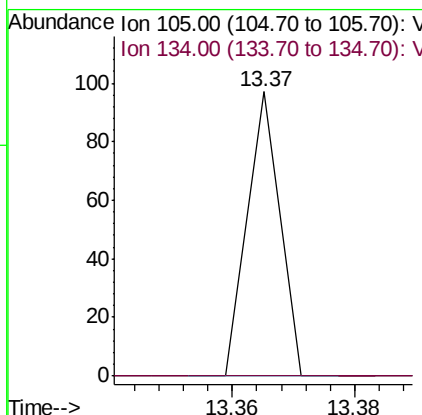
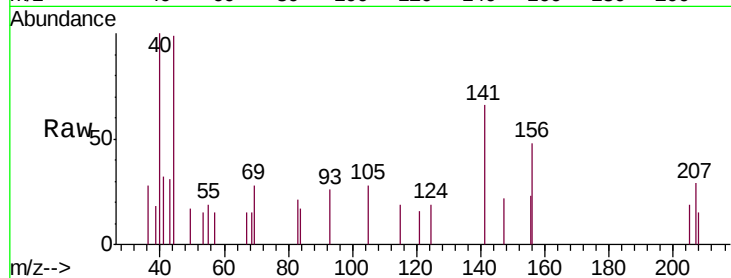




#85
 sec-Butylbenzene
 Concen: 6.979 ug/l
 RT: 13.37 min Scan# 1880
 Delta R.T. -0.02 min
 Lab File: VW012699.D
 Acq: 06 Sep 2019 19:32

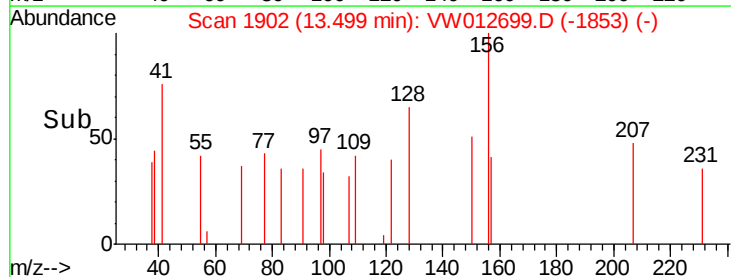
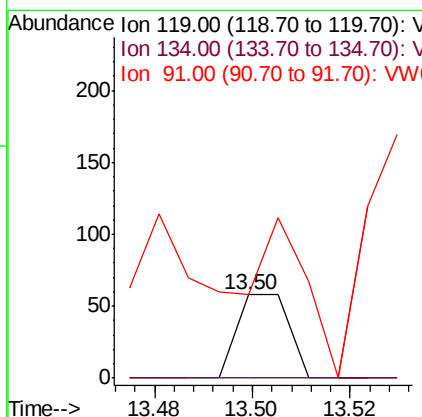
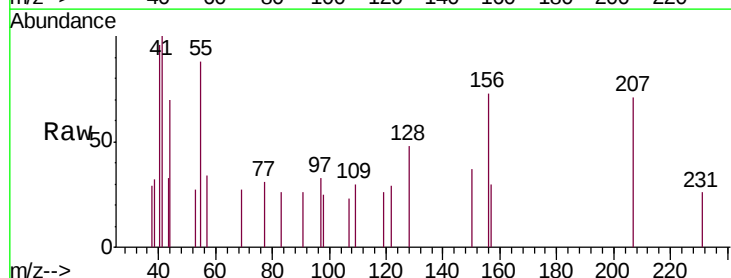
Instrument :
 MSVOA_W
 ClientSampleId :
 T12-D1-(0)

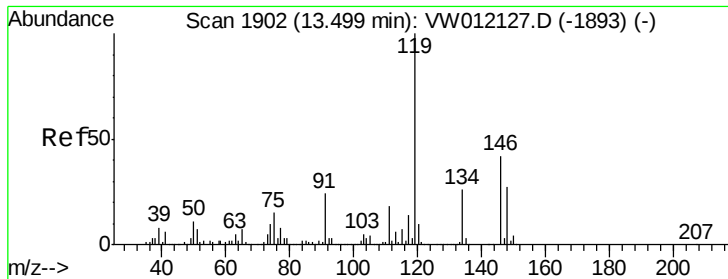
Tgt Ion:105 Resp: 35
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.8 29.4#



#86
 p-Isopropyltoluene
 Concen: 9.378 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012699.D
 Acq: 06 Sep 2019 19:32

Tgt Ion:119 Resp: 42
 Ion Ratio Lower Upper
 119 100
 134 0.0 12.8 38.3#
 91 157.1 12.3 36.9#

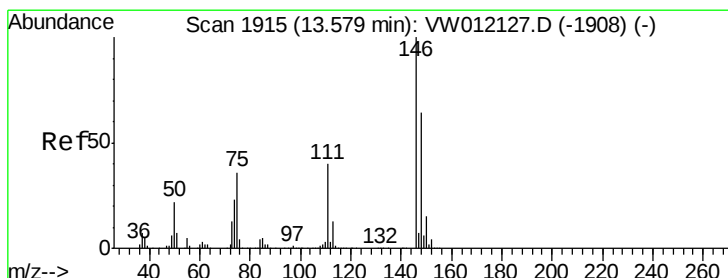
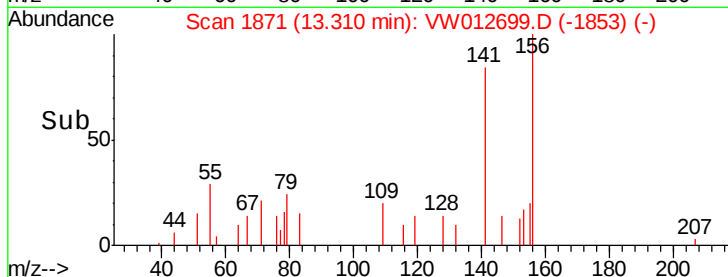
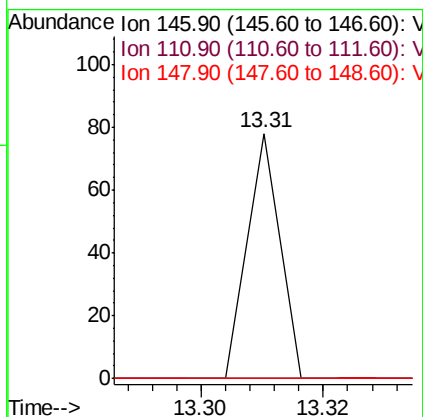
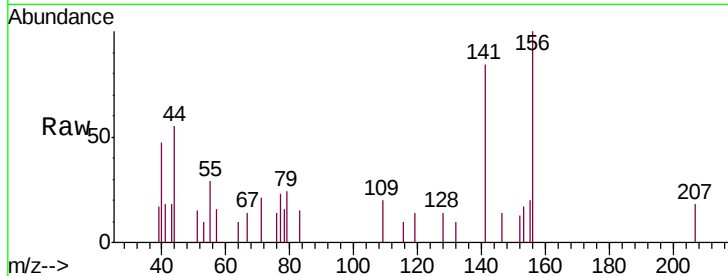




#87
 1,3-Dichlorobenzene
 Concen: 13.858 ug/l
 RT: 13.31 min Scan# 1871
 Delta R.T. -0.19 min
 Lab File: VW012699.D
 Acq: 06 Sep 2019 19:32

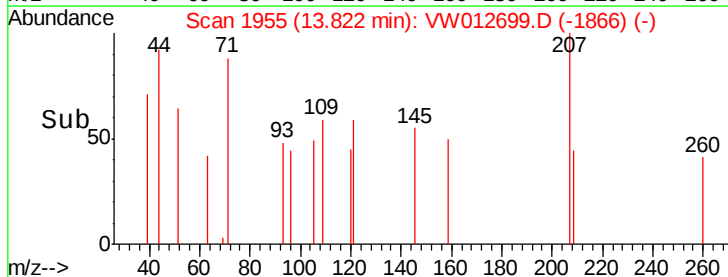
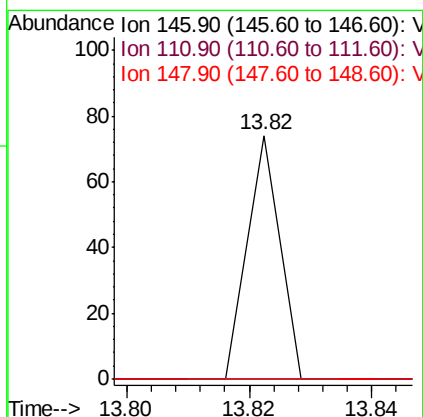
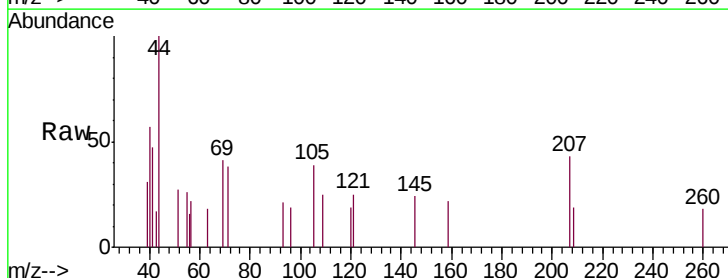
Instrument :
 MSVOA_W
 ClientSampleID :
 T12-D1-(0)

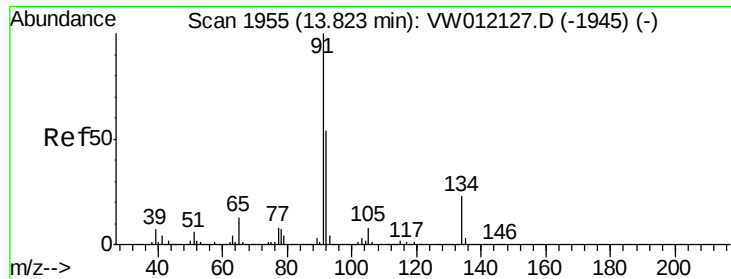
Tgt Ion:146 Resp: 29
 Ion Ratio Lower Upper
 146 100
 111 0.0 20.9 62.7#
 148 0.0 32.2 96.6#



#88
 1,4-Dichlorobenzene
 Concen: 12.994 ug/l
 RT: 13.82 min Scan# 1955
 Delta R.T. 0.24 min
 Lab File: VW012699.D
 Acq: 06 Sep 2019 19:32

Tgt Ion:146 Resp: 27
 Ion Ratio Lower Upper
 146 100
 111 0.0 20.0 60.0#
 148 0.0 32.1 96.3#

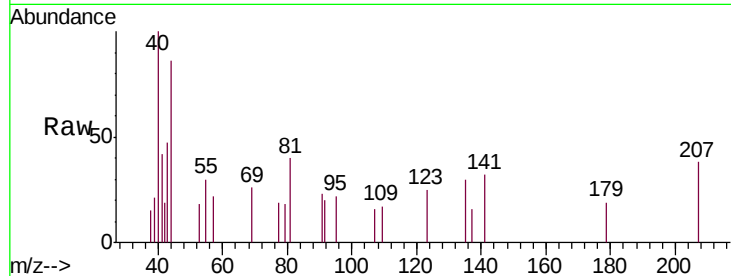




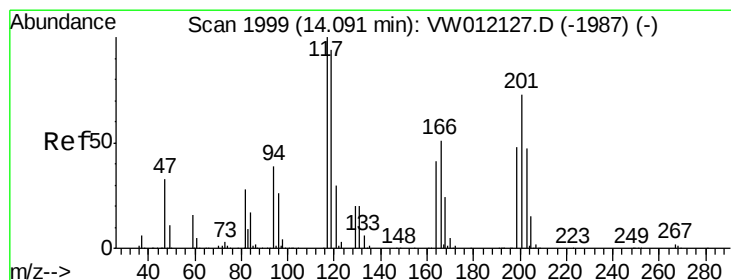
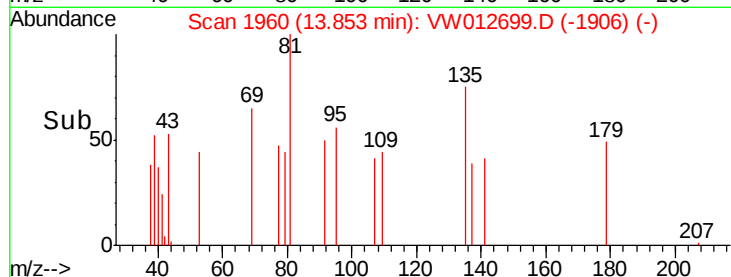
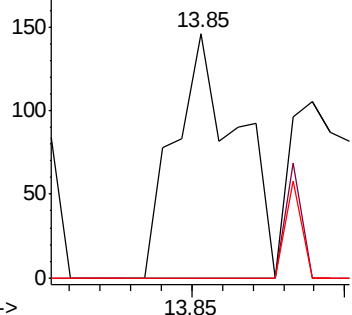
#89
n-Butylbenzene
Concen: 46.925 ug/l
RT: 13.85 min Scan# 1960
Delta R.T. 0.03 min
Lab File: VW012699.D
Acq: 06 Sep 2019 19:32

Instrument :
MSVOA_W
ClientSampleId :
T12-D1-(0)

Tgt Ion: 91 Resp: 209
Ion Ratio Lower Upper
91 100
92 0.0 27.1 81.2#
134 0.0 12.2 36.4#

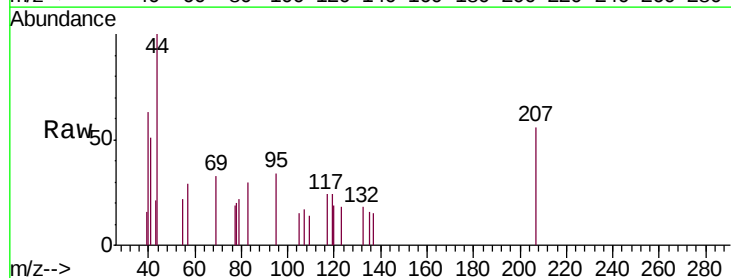


Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 92.00 (91.70 to 92.70): VW
Ion 134.00 (133.70 to 134.70): V

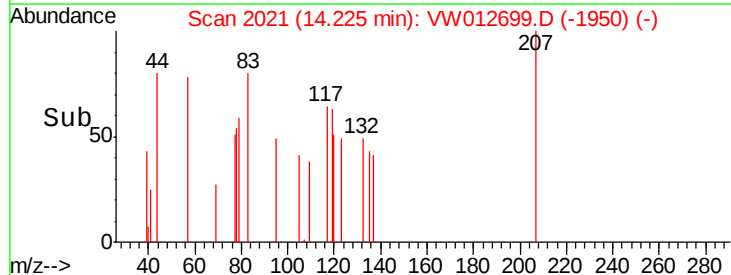
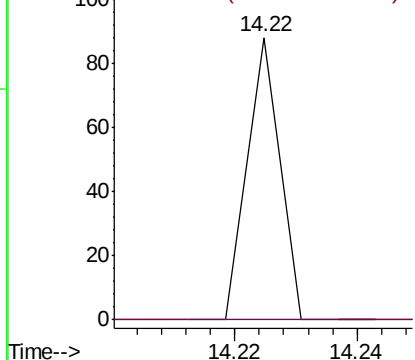


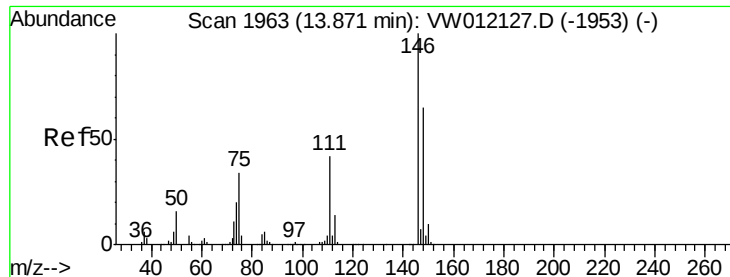
#90
Hexachloroethane
Concen: 40.724 ug/l
RT: 14.22 min Scan# 2021
Delta R.T. 0.13 min
Lab File: VW012699.D
Acq: 06 Sep 2019 19:32

Tgt Ion: 117 Resp: 32
Ion Ratio Lower Upper
117 100
201 0.0 38.6 115.7#



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 14.707 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.05 min

Lab File: VW012699.D

Acq: 06 Sep 2019 19:32

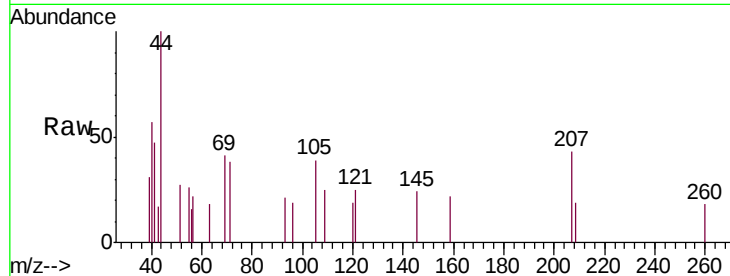
Instrument :

MSVOA_W

ClientSampleId :

T12-D1-(0)

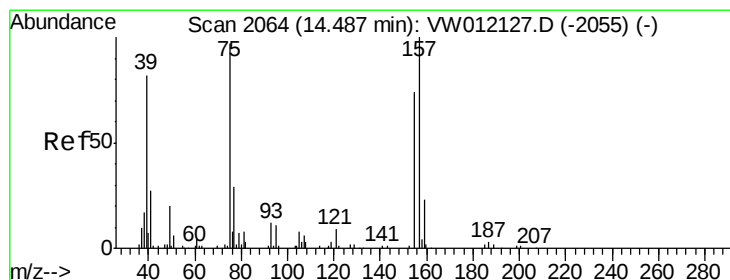
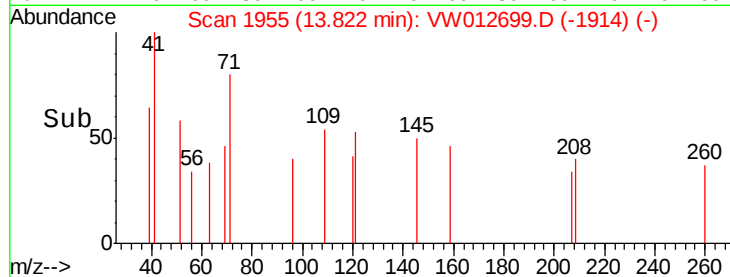
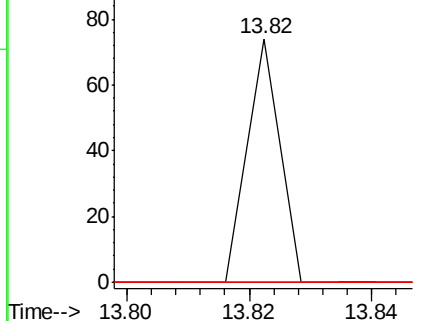
Tgt Ion:	146	Resp:	27
Ion	Ratio	Lower	Upper
146	100		
111	0.0	21.2	63.6#
148	0.0	32.5	97.4#



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 359.837 ug/l

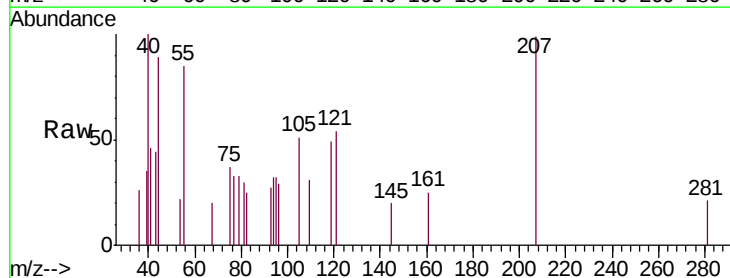
RT: 14.45 min Scan# 2058

Delta R.T. -0.04 min

Lab File: VW012699.D

Acq: 06 Sep 2019 19:32

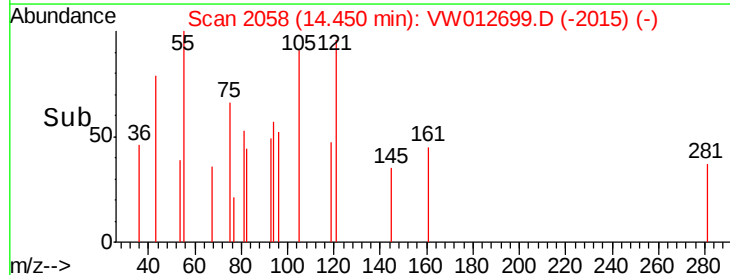
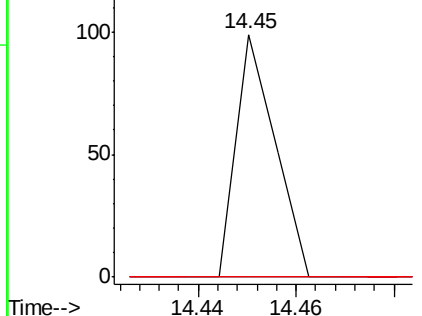
Tgt Ion:	75	Resp:	55
Ion	Ratio	Lower	Upper
75	100		
155	0.0	37.5	112.3#
157	0.0	50.5	151.5#

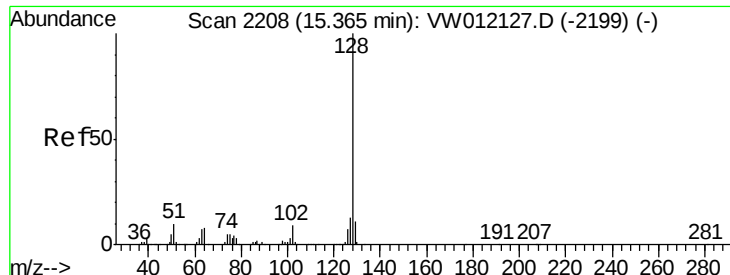


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#95

Naphthalene

Concen: 14.596 ug/l

RT: 15.35 min Scan# 2206

Delta R.T. -0.01 min

Lab File: VW012699.D

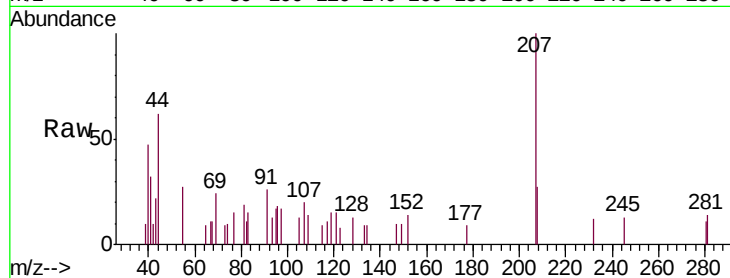
Acq: 06 Sep 2019 19:32

Instrument :

MSVOA_W

ClientSampleId :

T12-D1-(0)



Tgt Ion:	128	Resp:	28
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.7	16.1#
129	71.4	8.7	13.1#

