

Data File : VW012763.D
Acq On : 08 Sep 2019 12:35
Operator : SY/VA
Sample : VW0908SBS01
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0908SBS01

Quant Time: Sep 09 05:55:28 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090719S.M
Quant Title : SW846 8260
QLast Update : Sun Sep 08 05:04:40 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	238125	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	356976	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	308420	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	159209	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	128349	48.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.48%	
35) Dibromofluoromethane	7.88	113	96434	45.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.88%	
50) Toluene-d8	10.32	98	382908	46.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.10%	
62) 4-Bromofluorobenzene	12.62	95	140572	46.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.14%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	29777	23.066	ug/l	95
3) Chloromethane	2.21	50	34160	21.774	ug/l	97
4) Vinyl Chloride	2.35	62	39799	20.690	ug/l	99
5) Bromomethane	2.78	94	21992	21.054	ug/l	96
6) Chloroethane	2.90	64	22900	19.949	ug/l	98
7) Trichlorofluoromethane	3.24	101	26604	20.041	ug/l	96
8) Diethyl Ether	3.68	74	23650	21.198	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.06	101	43522	20.892	ug/l	98
10) Methyl Iodide	4.26	142	55006	20.975	ug/l	98
11) Tert butyl alcohol	5.12	59	419	2.058	ug/l #	72
12) 1,1-Dichloroethene	4.03	96	41436	21.071	ug/l	90
13) Acrolein	3.90	56	17901	82.866	ug/l	98
14) Allyl chloride	4.66	41	83098	20.427	ug/l	99
15) Acrylonitrile	5.37	53	60678	93.115	ug/l	99
16) Acetone	4.14	43	63066	86.946	ug/l	100
17) Carbon Disulfide	4.38	76	86219	20.655	ug/l	100
18) Methyl Acetate	4.67	43	30563	17.959	ug/l	95
19) Methyl tert-butyl Ether	5.42	73	79977	20.507	ug/l	95
20) Methylene Chloride	4.91	84	45105	19.877	ug/l	94
21) trans-1,2-Dichloroethene	5.42	96	44038	21.947	ug/l	93
22) Diisopropyl ether	6.31	45	174570	21.637	ug/l	94
23) Vinyl Acetate	6.25	43	522064	102.101	ug/l	100
24) 1,1-Dichloroethane	6.21	63	93206	21.455	ug/l	100
25) 2-Butanone	7.17	43	89699	97.056	ug/l	98
26) 2,2-Dichloropropane	7.16	77	57874	21.092	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	50853	21.858	ug/l	100
28) Bromochloromethane	7.51	49	38727	19.414	ug/l #	99
29) Tetrahydrofuran	7.53	42	52724	90.012	ug/l	98
30) Chloroform	7.67	83	91480	21.248	ug/l	97
31) Cyclohexane	7.95	56	83076	21.242	ug/l	93
32) 1,1,1-Trichloroethane	7.87	97	74788	21.430	ug/l	99
36) 1,1-Dichloropropene	8.08	75	70364	22.184	ug/l	100
37) Ethyl Acetate	7.25	43	36824	18.212	ug/l	96
38) Carbon Tetrachloride	8.06	117	67556	21.607	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	76664	21.520	ug/l	96
40) Benzene	8.32	78	192309	21.853	ug/l	99
41) Methacrylonitrile	7.48	41	21975	18.599	ug/l #	90
42) 1,2-Dichloroethane	8.40	62	65399	21.116	ug/l	100
43) Isopropyl Acetate	8.42	43	73161	19.099	ug/l	98
44) Trichloroethene	9.09	130	48845	21.532	ug/l	89
45) 1,2-Dichloropropane	9.37	63	50300	20.608	ug/l	100
46) Dibromomethane	9.46	93	23657	20.468	ug/l	99
47) Bromodichloromethane	9.64	83	64537	20.295	ug/l	99
48) Methyl methacrylate	9.43	41	33726	18.423	ug/l	100
49) 1,4-Dioxane	9.49	88	8293	363.243	ug/l #	1
51) 4-Methyl-2-Pentanone	10.21	43	179486	89.293	ug/l	99
52) Toluene	10.38	92	114827	20.906	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	65700	20.093	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	73233	19.743	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	35848	20.717	ug/l	98
56) Ethyl methacrylate	10.65	69	49146	19.403	ug/l	99
57) 1,3-Dichloropropane	10.93	76	64898	20.273	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	122072	90.781	ug/l	99
59) 2-Hexanone	10.97	43	133457	90.878	ug/l	100
60) Dibromochloromethane	11.13	129	41077	20.185	ug/l	98
61) 1,2-Dibromoethane	11.24	107	32401	20.424	ug/l	100
64) Tetrachloroethene	10.86	164	40735	21.767	ug/l	96
65) Chlorobenzene	11.66	112	125143	21.468	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	45321	20.877	ug/l	99
67) Ethyl Benzene	11.73	91	235868	21.566	ug/l	98
68) m/p-Xylenes	11.84	106	171505	43.443	ug/l	100
69) o-Xylene	12.16	106	79719	21.404	ug/l	99
70) Styrene	12.18	104	141002	21.425	ug/l	100
71) Bromoform	12.35	173	23501	19.485	ug/l #	100
73) Isopropylbenzene	12.46	105	230901	20.221	ug/l	100
74) N-amyl acetate	12.27	43	65929	18.190	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	42593	18.573	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	56758	34.864	ug/l #	100
77) Bromobenzene	12.74	156	52414	20.260	ug/l	98
78) n-propylbenzene	12.80	91	279924	20.497	ug/l	100
79) 2-Chlorotoluene	12.89	91	160008	20.409	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	197977	20.575	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	12486	16.222	ug/l	92
82) 4-Chlorotoluene	12.99	91	169014	20.380	ug/l	100
83) tert-Butylbenzene	13.21	119	171413	20.148	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	198111	20.433	ug/l	97
85) sec-Butylbenzene	13.38	105	238717	20.220	ug/l	99
86) p-Isopropyltoluene	13.50	119	222677	20.649	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	102612	20.179	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	103038	20.364	ug/l	99
89) n-Butylbenzene	13.82	91	214086	20.449	ug/l	99
90) Hexachloroethane	14.09	117	37601	19.974	ug/l	100
91) 1,2-Dichlorobenzene	13.86	146	92170	20.138	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.48	75	7137	17.006	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090819\
Quantitation Report (Not Reviewed)

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Quant Title : SW846 8260
QLast Update : Sun Sep 08 05:04:40 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	63657	19.977	ug/l	95
94) Hexachlorobutadiene	15.24	225	43779	19.849	ug/l	98
95) Naphthalene	15.36	128	107014	19.038	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	56153	19.964	ug/l	99

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

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ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0908SBS01

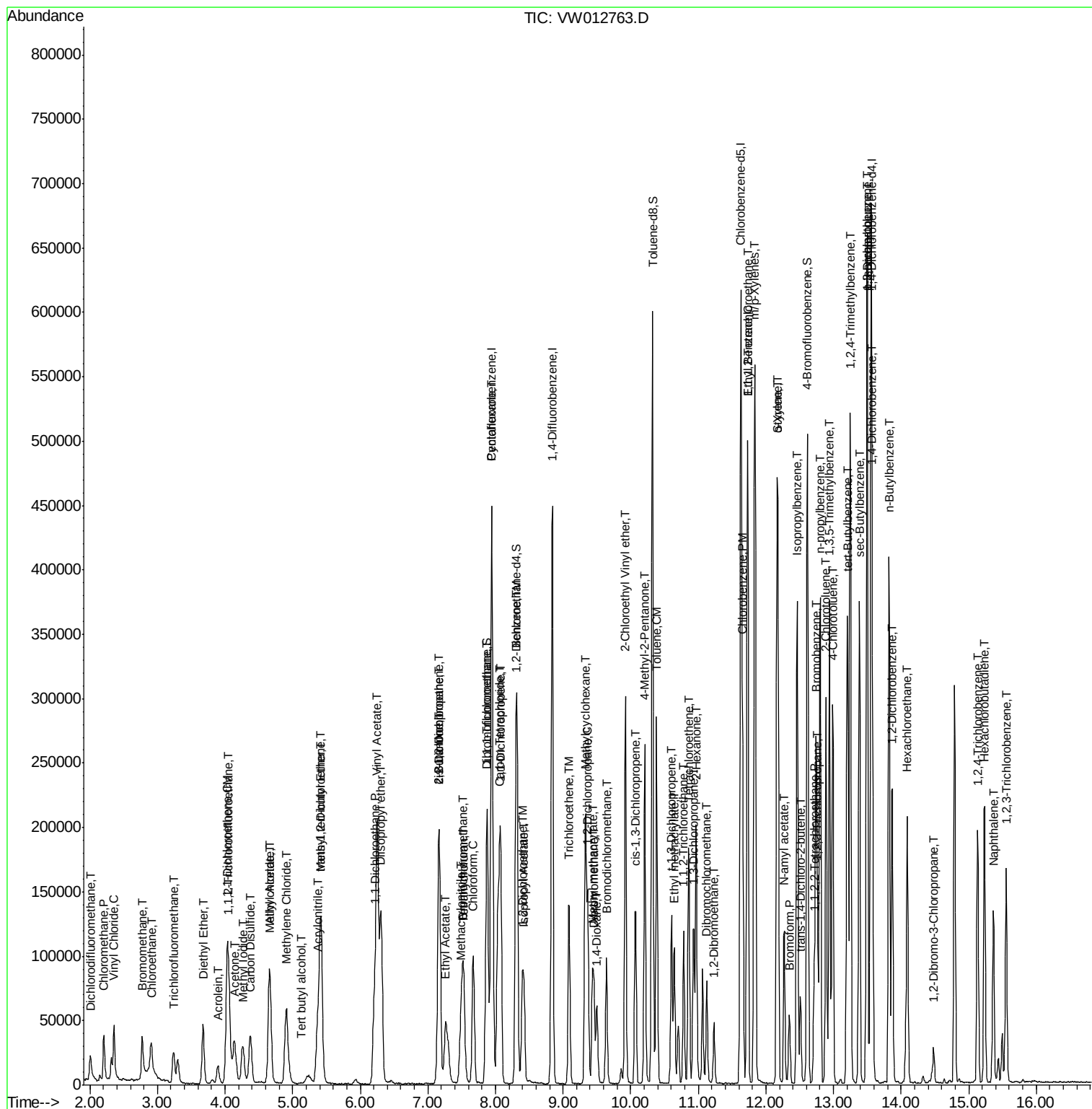
Quant Time: Sep 09 05:55:28 2019

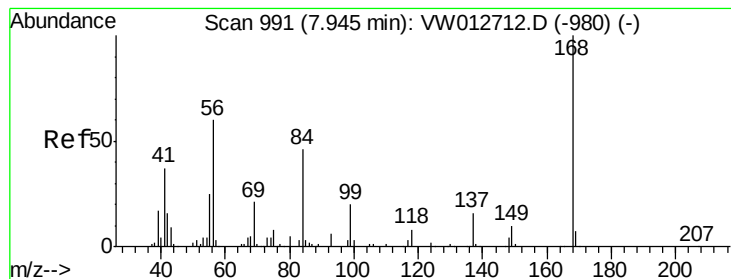
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_W\METHOD\82W090719S.M

Quant Title : SW846 8260

QLast Update : Sun Sep 08 05:04:40 2019

Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012763.D

Acq: 08 Sep 2019 12:35

Instrument :

MSVOA_W

ClientSampleId :

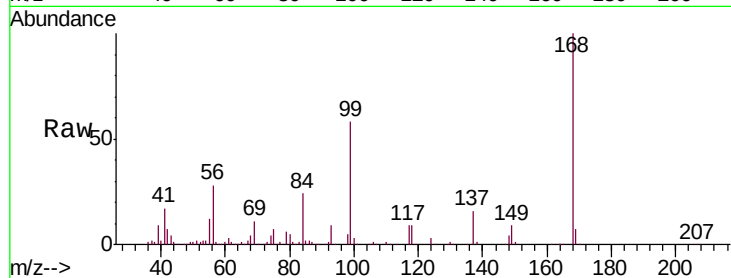
VW0908SBS01

Tgt Ion:168 Resp: 238125

Ion Ratio Lower Upper

168 100

99 57.9 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

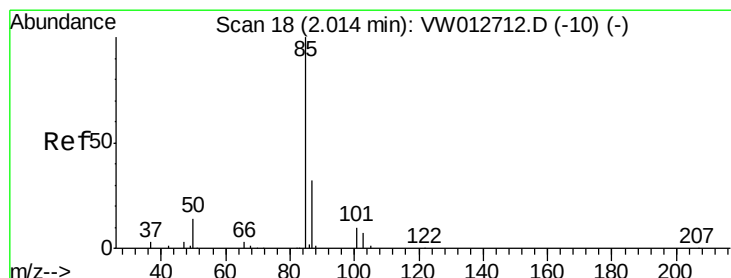
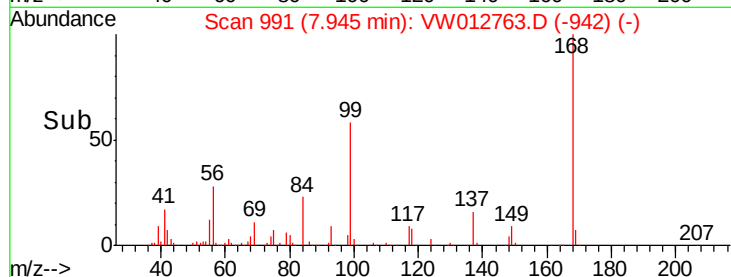
60000

40000

20000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 23.066 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW012763.D

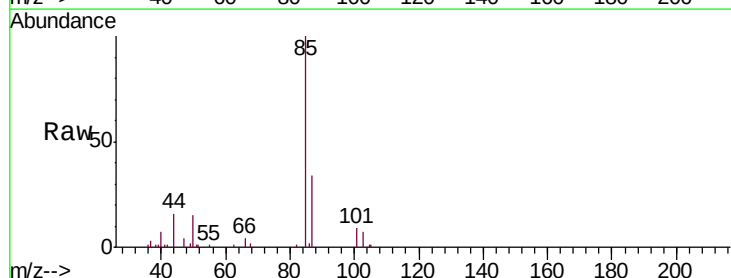
Acq: 08 Sep 2019 12:35

Tgt Ion: 85 Resp: 29777

Ion Ratio Lower Upper

85 100

87 34.1 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

12000

10000

8000

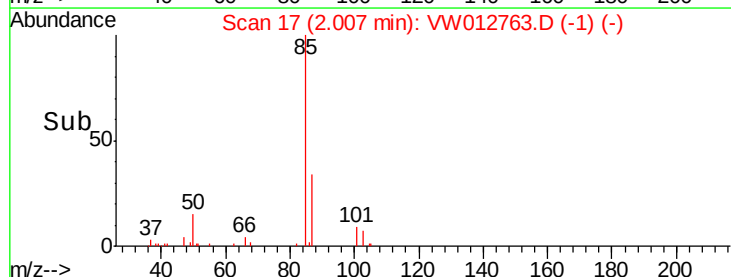
6000

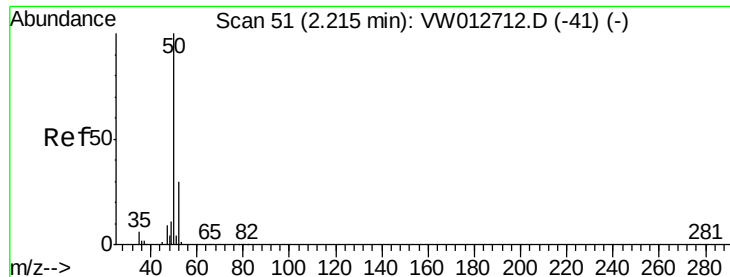
4000

2000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 21.774 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW012763.D

Acq: 08 Sep 2019 12:35

Instrument :

MSVOA_W

ClientSampleId :

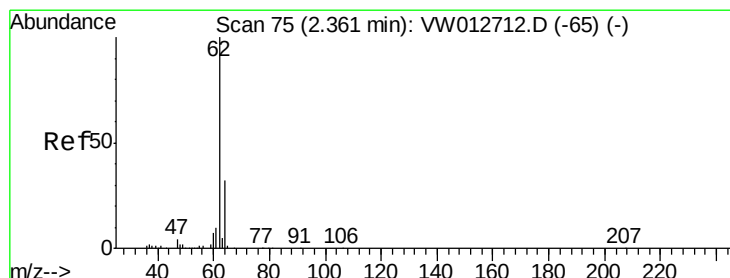
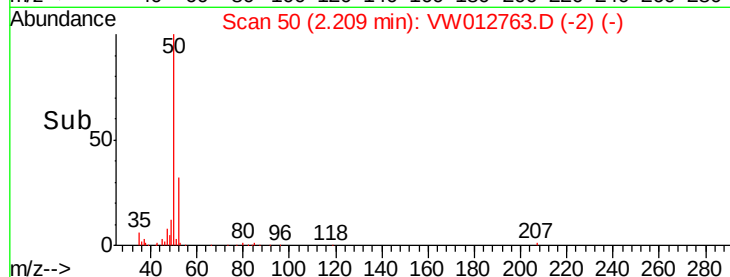
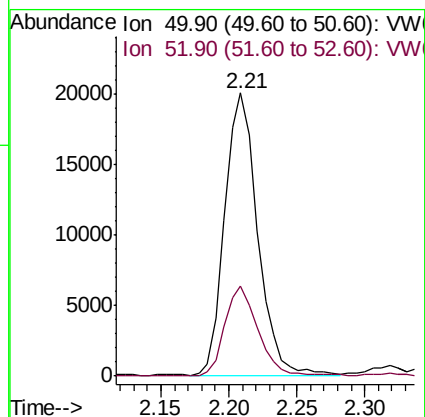
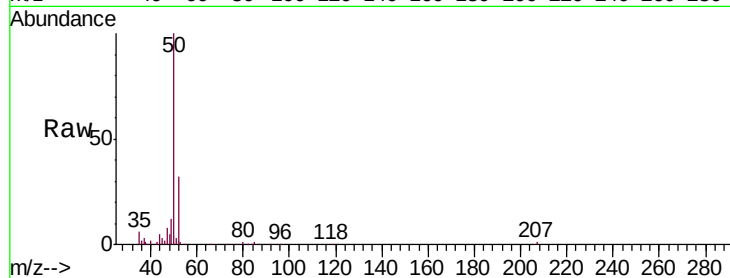
VW0908SBS01

Tgt Ion: 50 Resp: 34160

Ion Ratio Lower Upper

50 100

52 31.6 24.2 36.2



#4

Vinyl Chloride

Concen: 20.690 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW012763.D

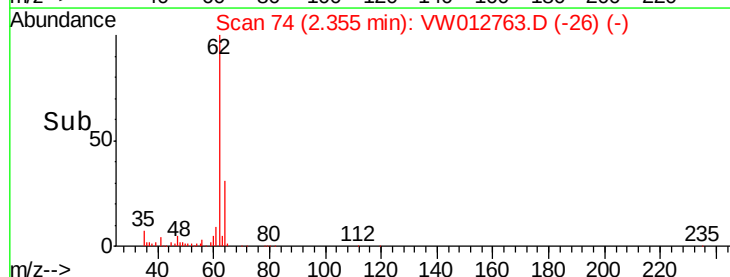
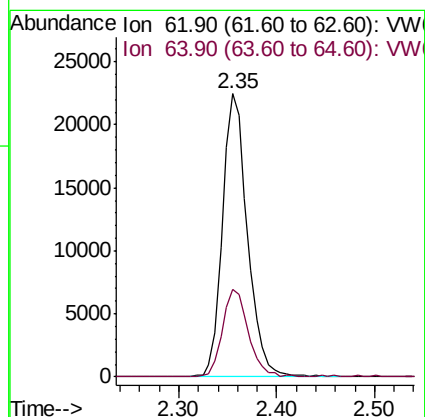
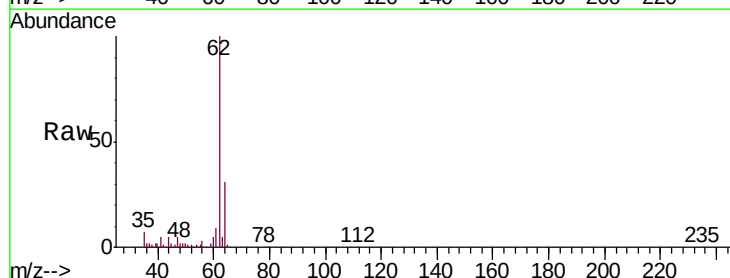
Acq: 08 Sep 2019 12:35

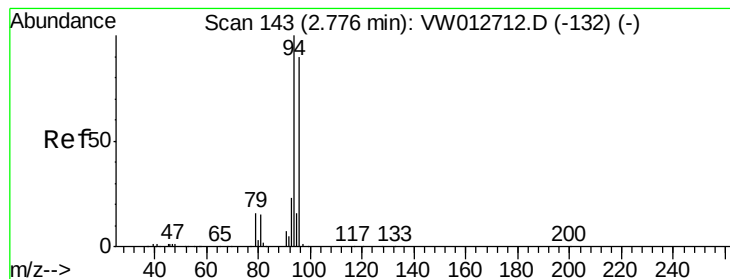
Tgt Ion: 62 Resp: 39799

Ion Ratio Lower Upper

62 100

64 31.1 25.3 37.9





#5

Bromomethane

Concen: 21.054 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW012763.D

Acq: 08 Sep 2019 12:35

Instrument :

MSVOA_W

ClientSampleId :

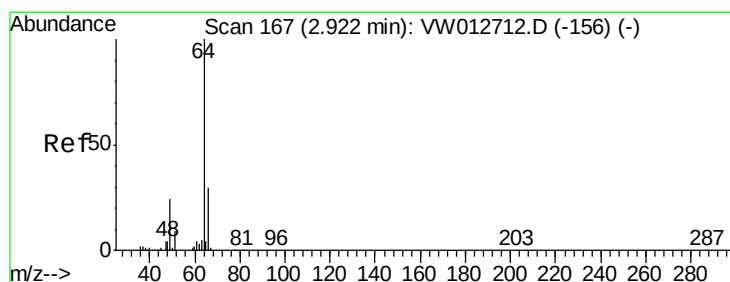
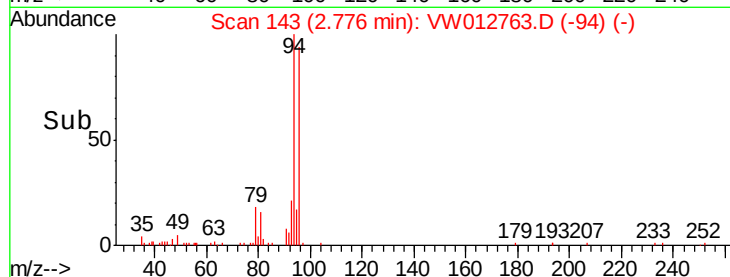
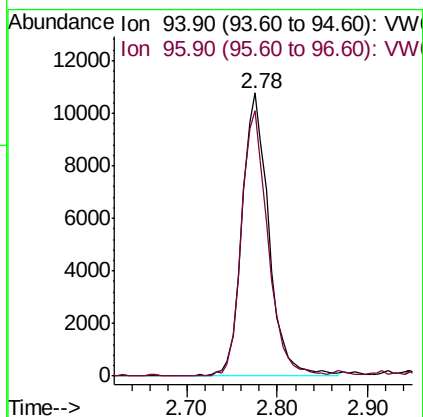
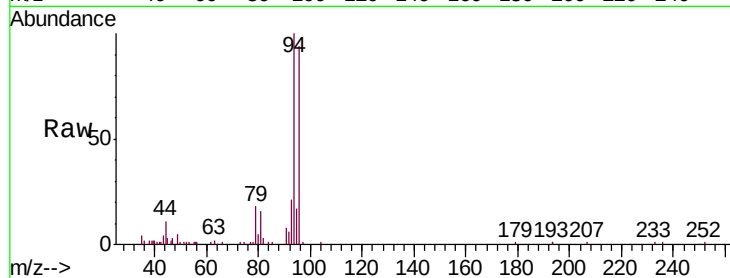
VW0908SBS01

Tgt Ion: 94 Resp: 21992

Ion Ratio Lower Upper

94 100

96 93.9 72.1 108.1



#6

Chloroethane

Concen: 19.949 ug/l

RT: 2.90 min Scan# 164

Delta R.T. -0.02 min

Lab File: VW012763.D

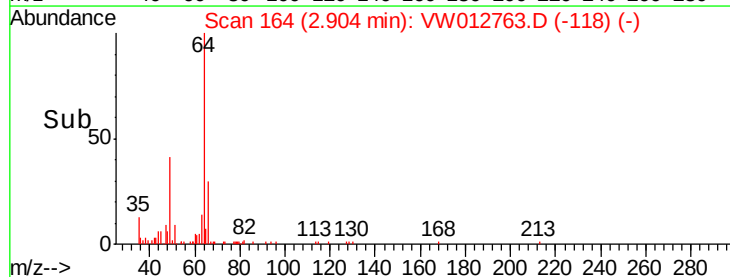
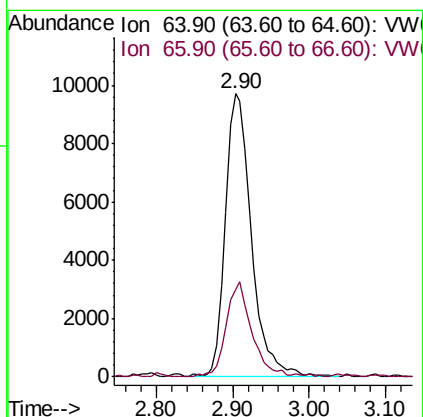
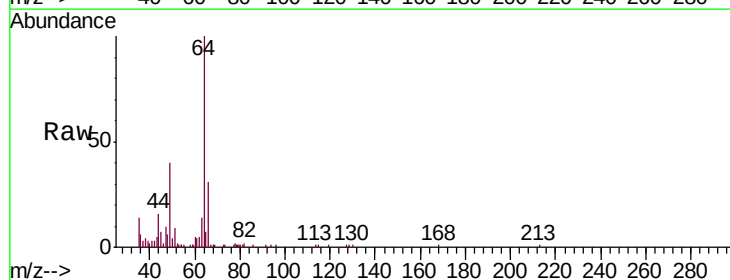
Acq: 08 Sep 2019 12:35

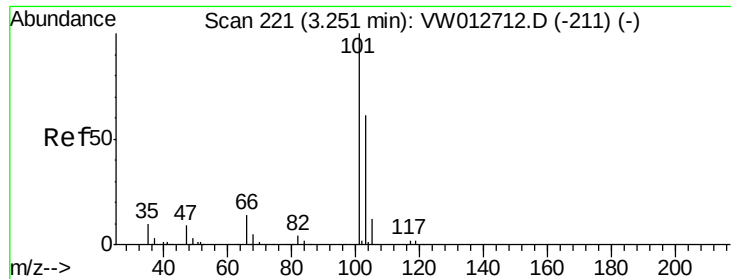
Tgt Ion: 64 Resp: 22900

Ion Ratio Lower Upper

64 100

66 30.9 23.8 35.6



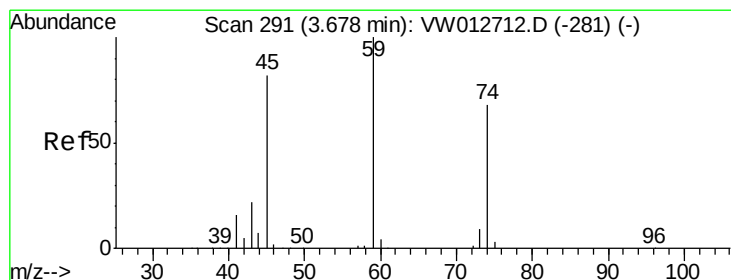
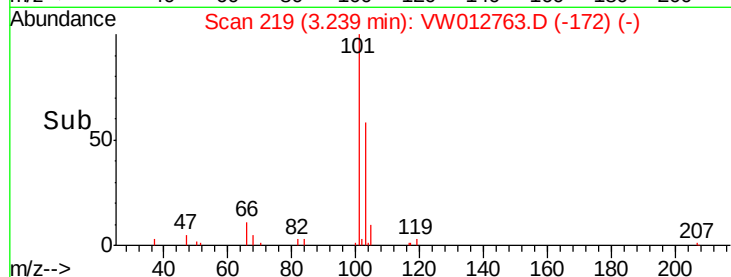
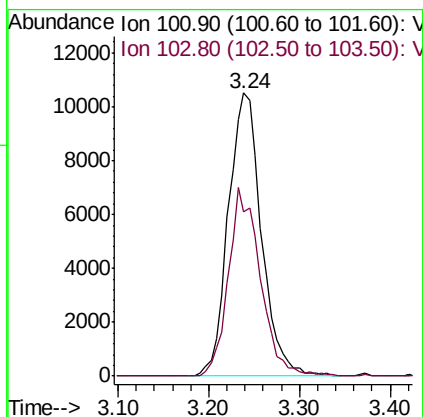
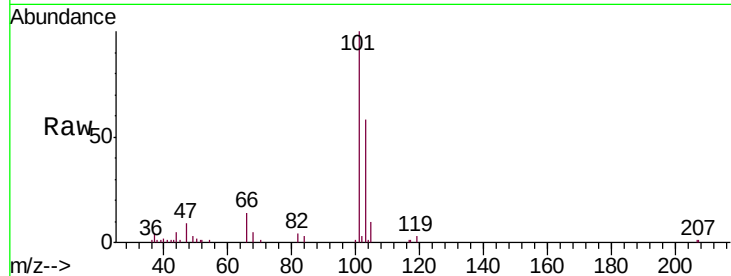


#7

Trichlorofluoromethane
 Concen: 20.041 ug/l
 RT: 3.24 min Scan# 219
 Delta R.T. -0.01 min
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 VW0908SBS01

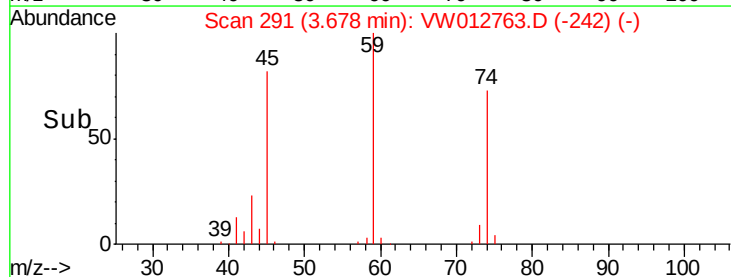
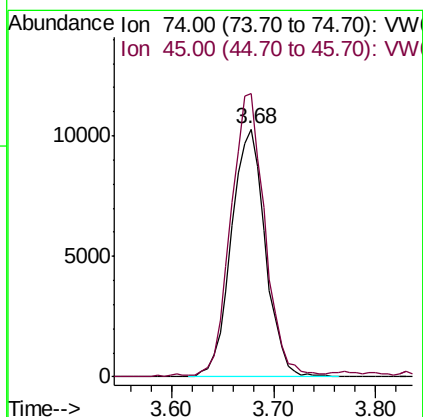
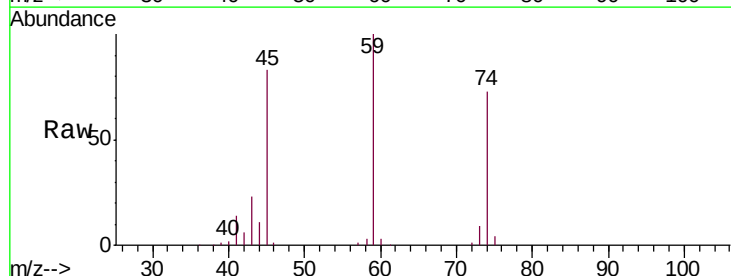
Tgt Ion:101 Resp: 26604
 Ion Ratio Lower Upper
 101 100
 103 58.0 49.0 73.4

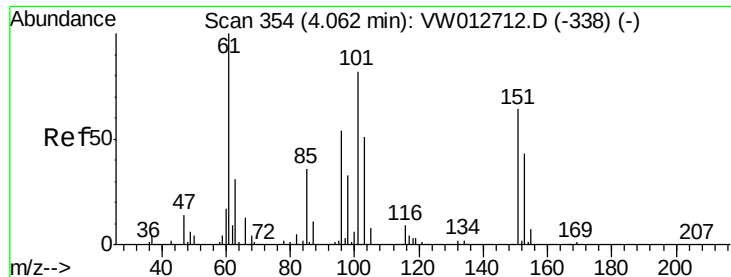


#8

Diethyl Ether
 Concen: 21.198 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW012763.D
 Acq: 08 Sep 2019 12:35

Tgt Ion: 74 Resp: 23650
 Ion Ratio Lower Upper
 74 100
 45 112.3 58.8 176.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.892 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW012763.D

Acq: 08 Sep 2019 12:35

Instrument :

MSVOA_W

ClientSampleId :

VW0908SBS01

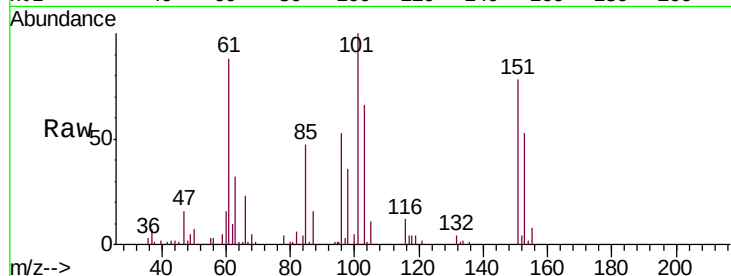
Tgt Ion:101 Resp: 43522

Ion Ratio Lower Upper

101 100

85 47.8 36.2 54.2

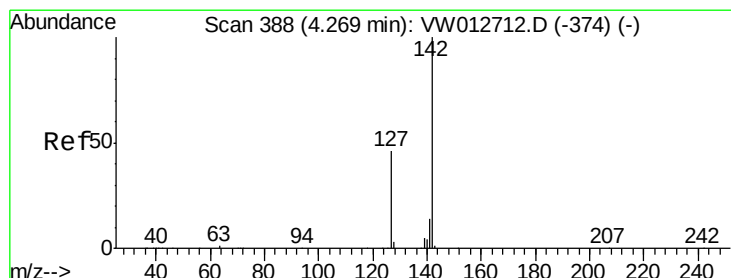
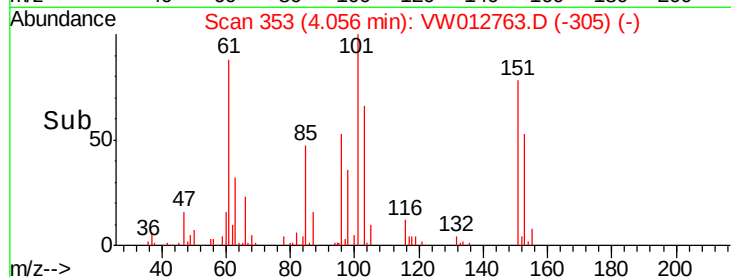
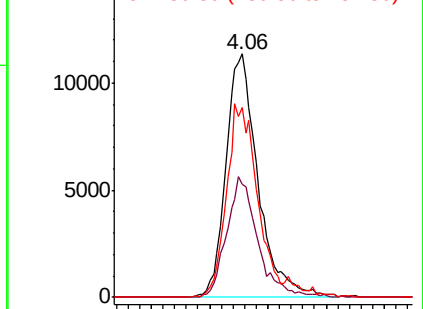
151 76.0 61.9 92.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.975 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW012763.D

Acq: 08 Sep 2019 12:35

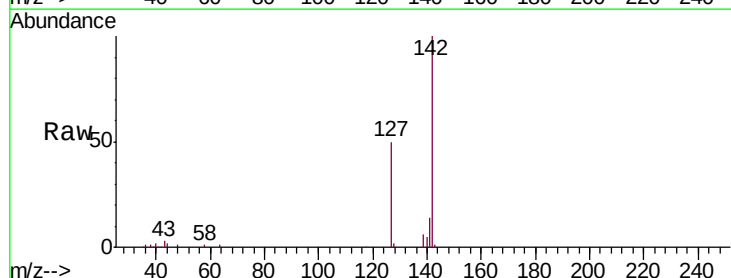
Tgt Ion:142 Resp: 55006

Ion Ratio Lower Upper

142 100

127 46.2 36.0 54.0

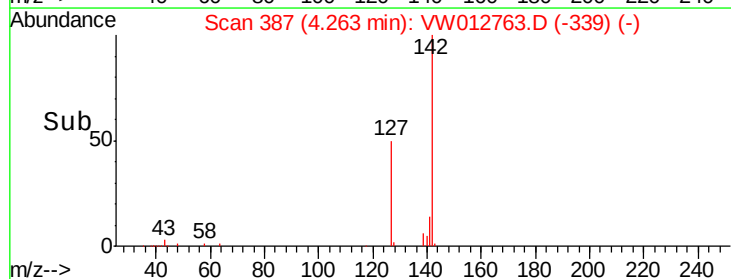
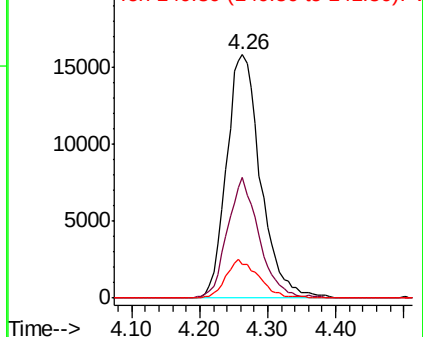
141 15.0 12.2 18.4

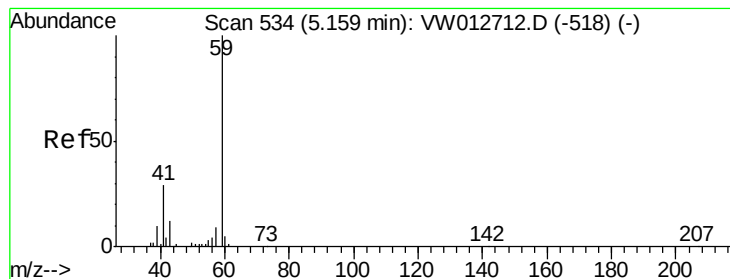


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



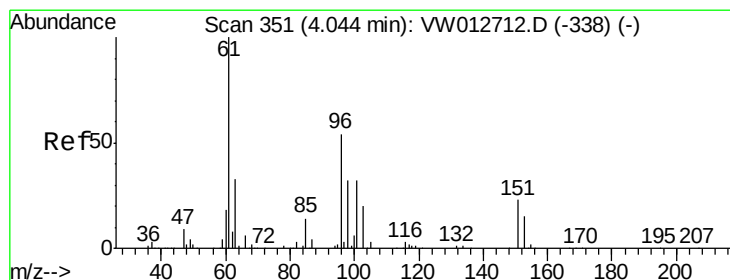
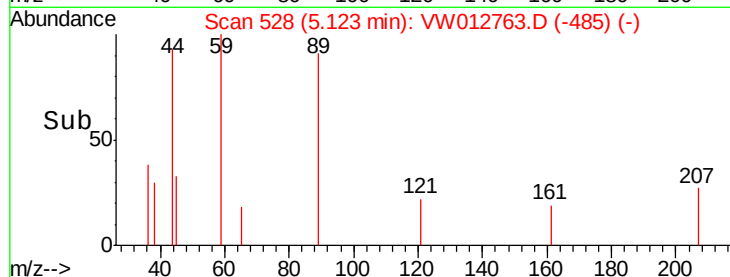
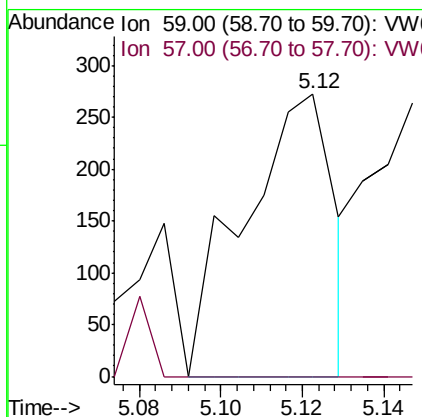
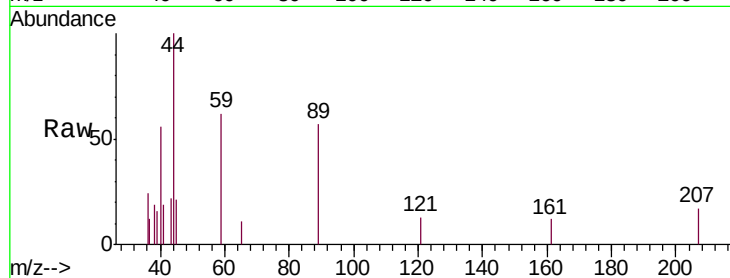


#11

Tert butyl alcohol
 Concen: 2.058 ug/l
 RT: 5.12 min Scan# 528
 Delta R.T. -0.04 min
 Lab File: VW012763.D
 Acq: 08 Sep 2019 12:35

Instrument :
 MSVOA_W
 ClientSampled :
 VW0908SBS01

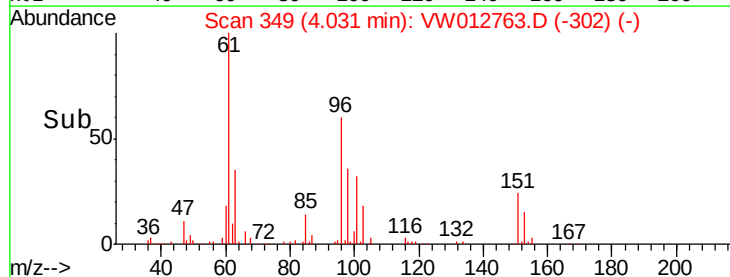
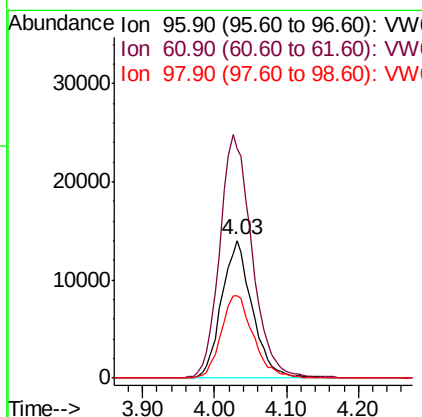
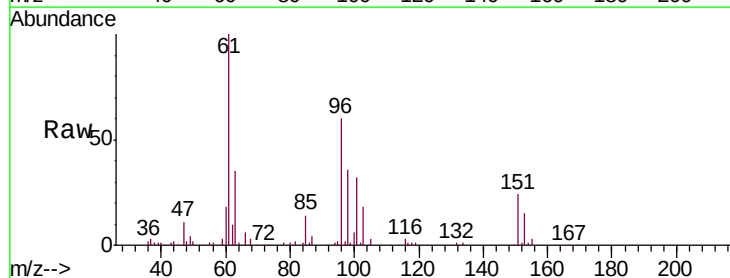
Tgt Ion: 59 Resp: 419
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.4#

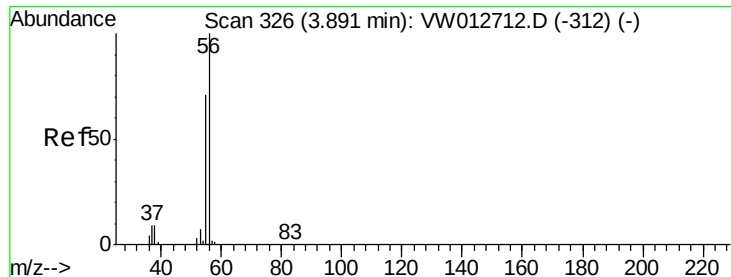


#12

1,1-Dichloroethene
 Concen: 21.071 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW012763.D
 Acq: 08 Sep 2019 12:35

Tgt Ion: 96 Resp: 41436
 Ion Ratio Lower Upper
 96 100
 61 166.3 147.8 221.6
 98 59.5 47.9 71.9





#13

Acrolein

Concen: 82.866 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW012763.D

Acq: 08 Sep 2019 12:35

Instrument :

MSVOA_W

ClientSampleId :

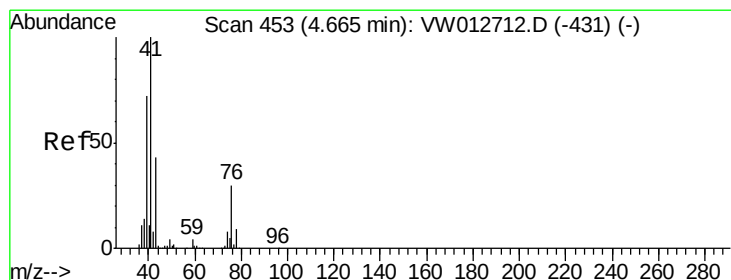
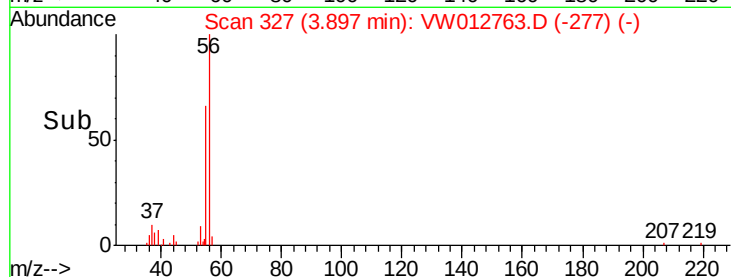
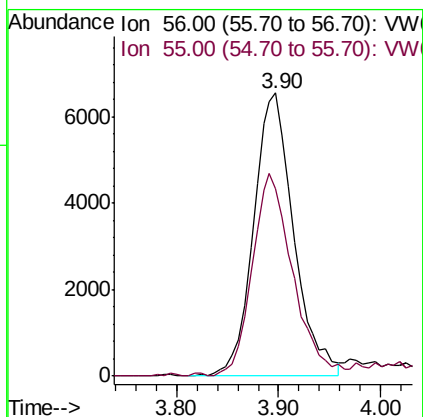
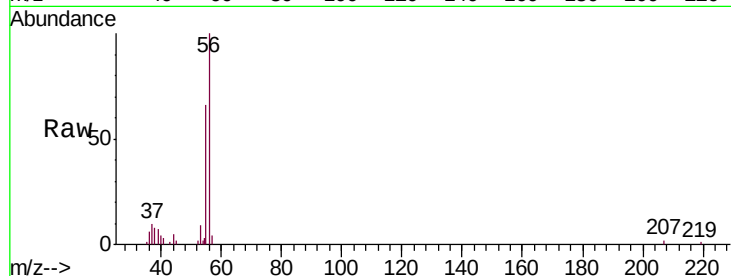
VW0908SBS01

Tgt Ion: 56 Resp: 17901

Ion Ratio Lower Upper

56 100

55 72.4 56.9 85.3



#14

Allyl chloride

Concen: 20.427 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW012763.D

Acq: 08 Sep 2019 12:35

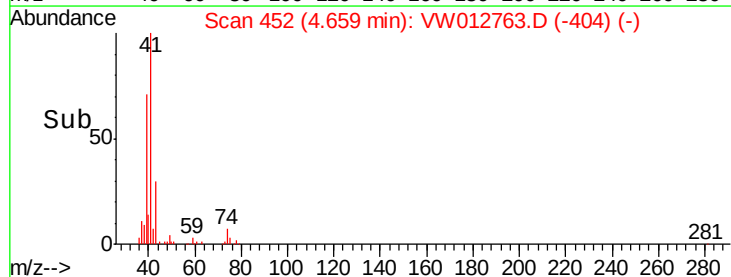
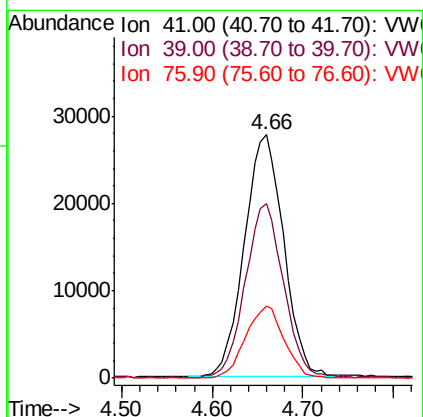
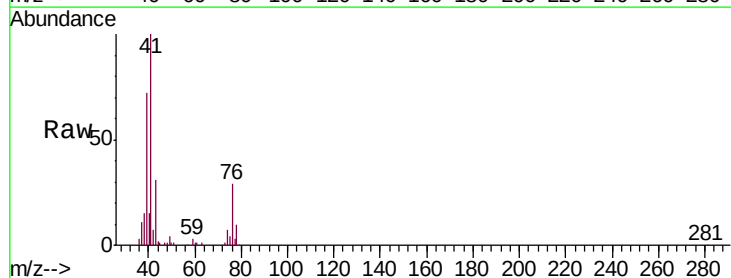
Tgt Ion: 41 Resp: 83098

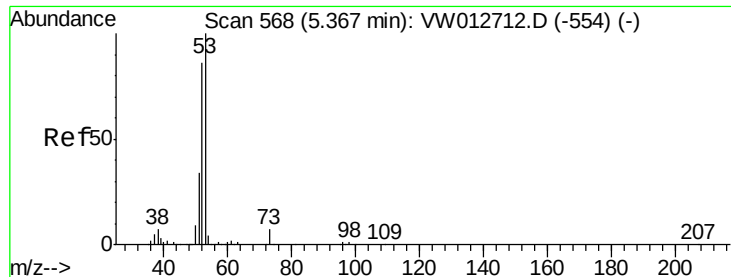
Ion Ratio Lower Upper

41 100

39 70.0 55.0 82.6

76 29.0 23.0 34.4





#15

Acrylonitrile

Concen: 93.115 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.01 min

Lab File: VW012763.D

Acq: 08 Sep 2019 12:35

Instrument :

MSVOA_W

ClientSampleId :

VW0908SBS01

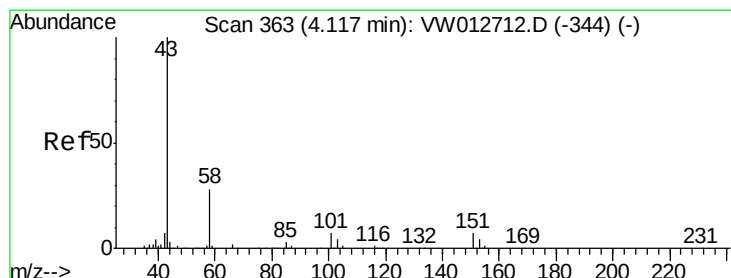
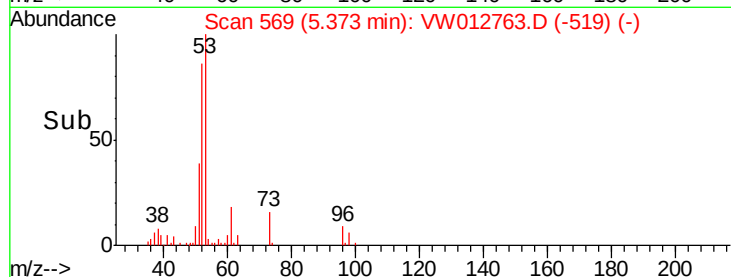
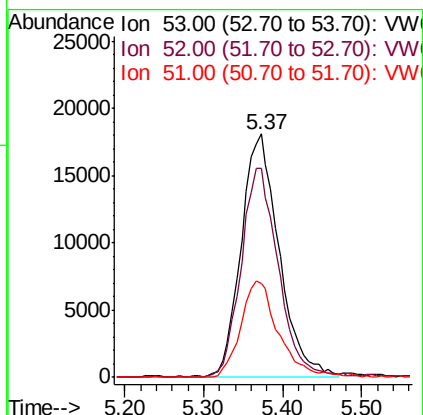
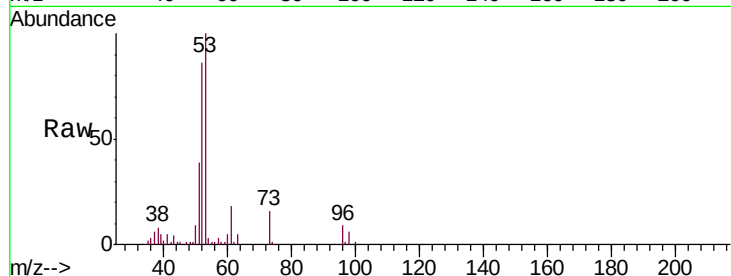
Tgt Ion: 53 Resp: 60678

Ion Ratio Lower Upper

53 100

52 84.4 67.0 100.4

51 39.1 29.8 44.8



#16

Acetone

Concen: 86.946 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.02 min

Lab File: VW012763.D

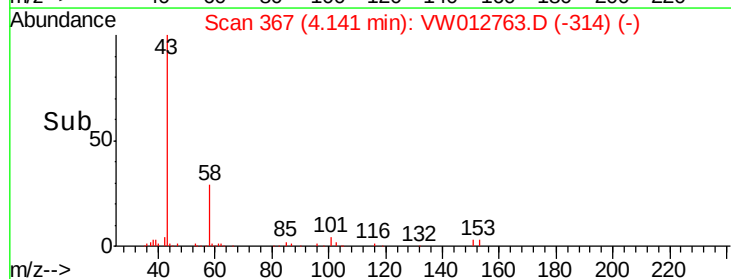
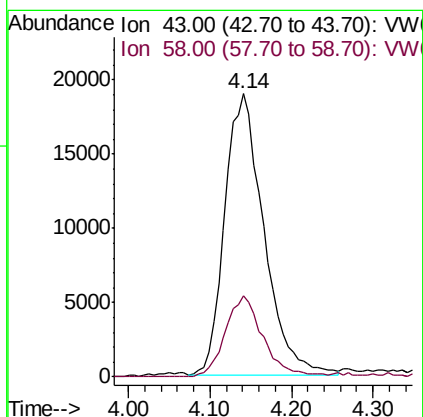
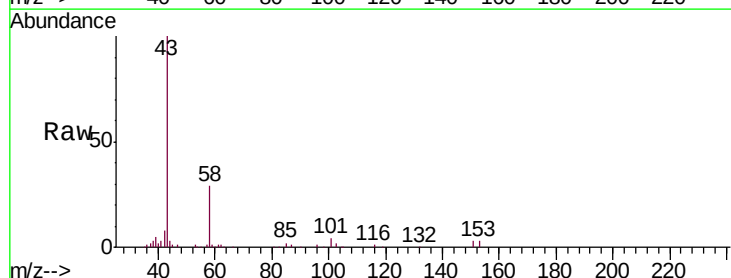
Acq: 08 Sep 2019 12:35

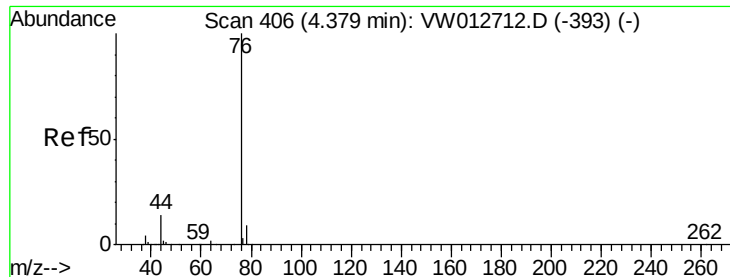
Tgt Ion: 43 Resp: 63066

Ion Ratio Lower Upper

43 100

58 28.3 22.6 33.8





#17

Carbon Disulfide

Concen: 20.655 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW012763.D

Acq: 08 Sep 2019 12:35

Instrument :

MSVOA_W

ClientSampleId :

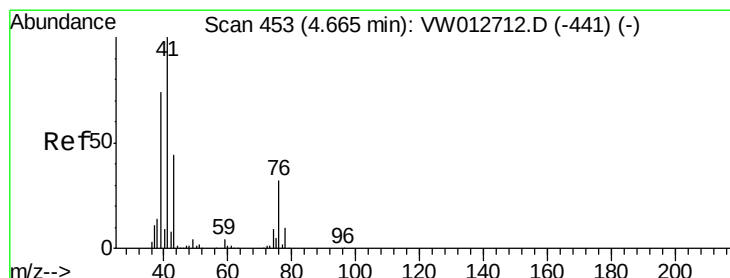
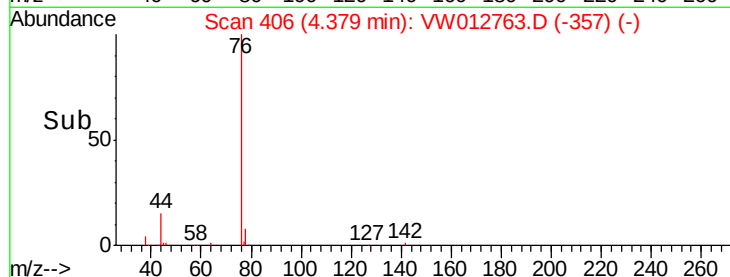
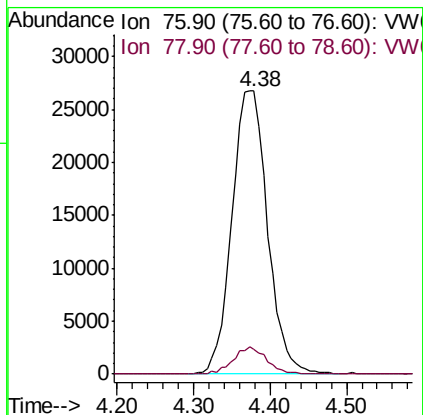
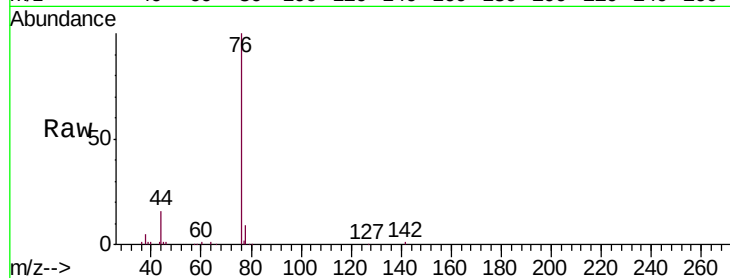
VW0908SBS01

Tgt Ion: 76 Resp: 86219

Ion Ratio Lower Upper

76 100

78 9.0 7.2 10.8



#18

Methyl Acetate

Concen: 17.959 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW012763.D

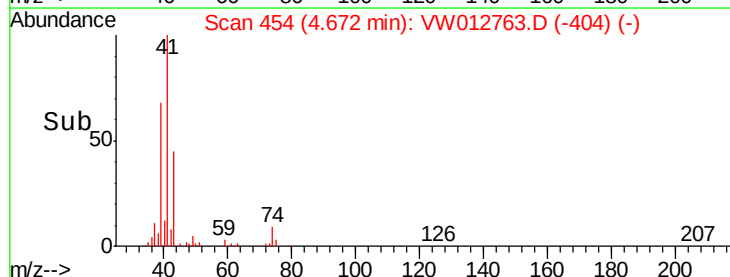
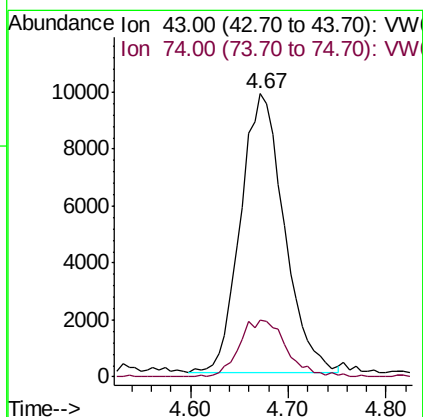
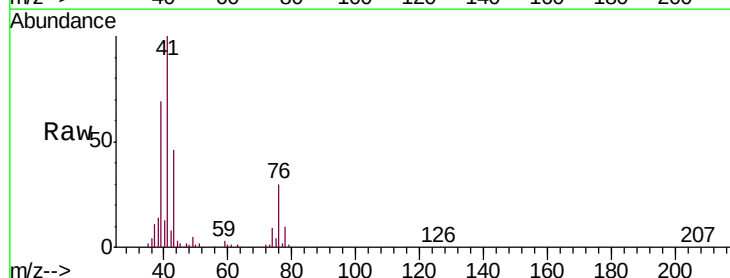
Acq: 08 Sep 2019 12:35

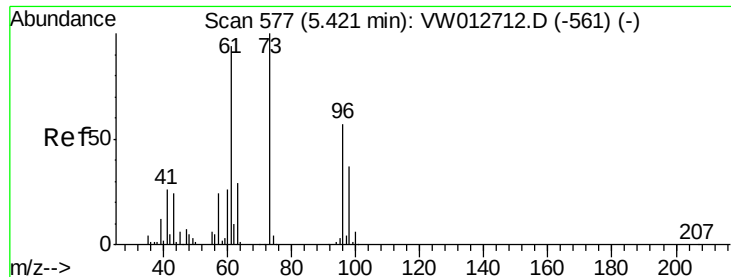
Tgt Ion: 43 Resp: 30563

Ion Ratio Lower Upper

43 100

74 21.9 15.8 23.6

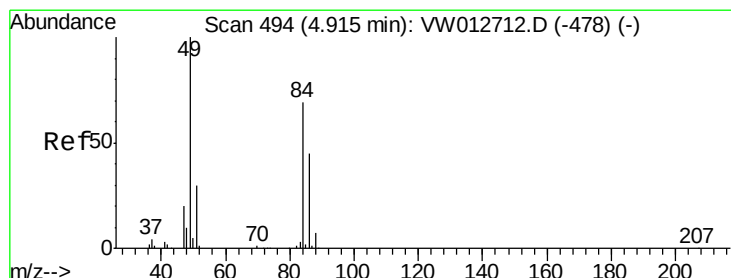
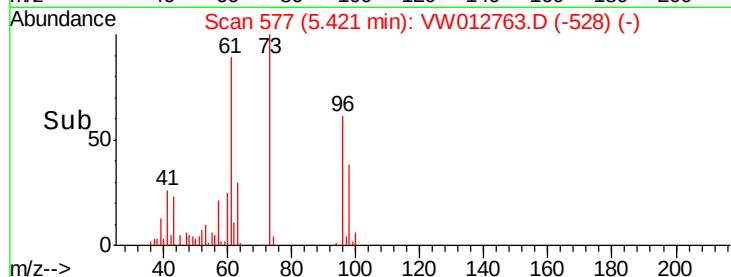
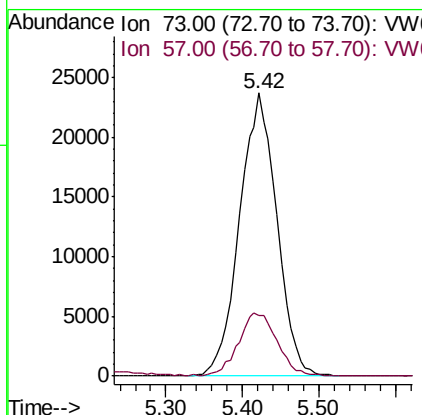
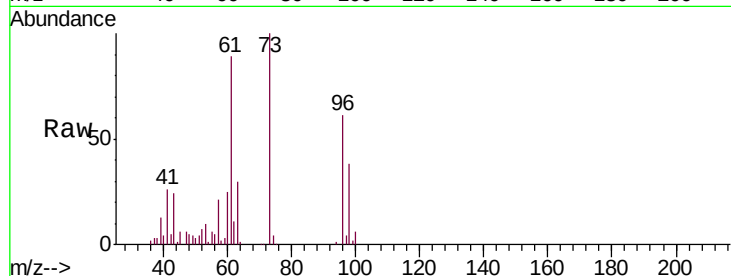




#19
Methyl tert-butyl Ether
Concen: 20.507 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW012763.D
Acq: 08 Sep 2019 12:35

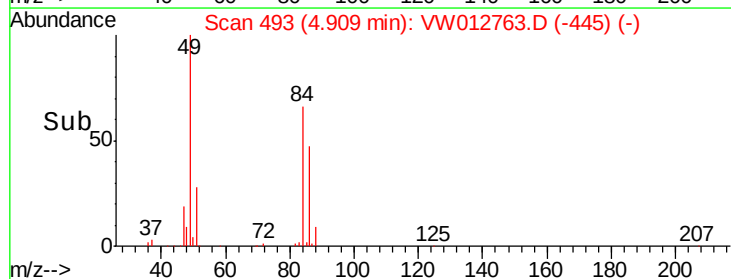
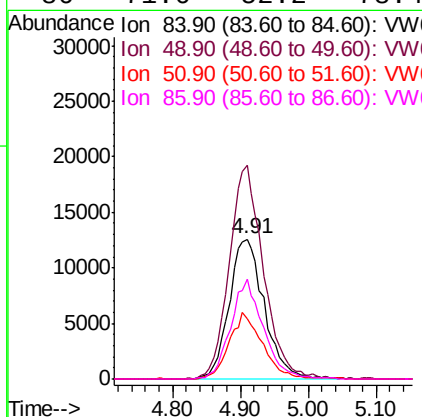
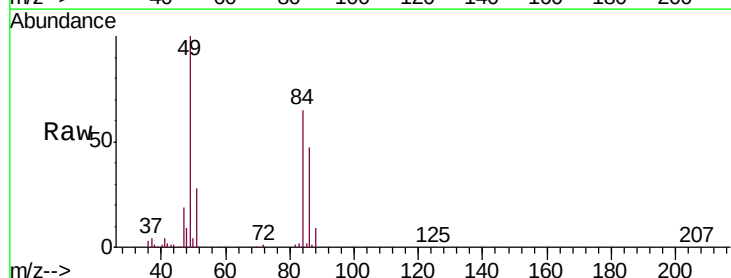
Instrument :
MSVOA_W
ClientSampleId :
VW0908SBS01

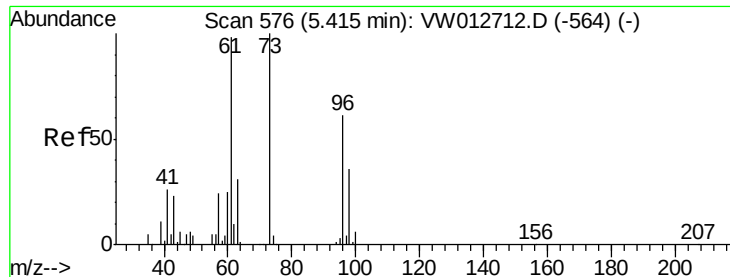
Tgt Ion: 73 Resp: 79977
Ion Ratio Lower Upper
73 100
57 21.5 19.2 28.8



#20
Methylene Chloride
Concen: 19.877 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012763.D
Acq: 08 Sep 2019 12:35

Tgt Ion: 84 Resp: 45105
Ion Ratio Lower Upper
84 100
49 152.4 115.4 173.0
51 43.0 34.9 52.3
86 71.6 52.2 78.4





#21

trans-1,2-Dichloroethene

Concen: 21.947 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW012763.D

Acq: 08 Sep 2019 12:35

Instrument :

MSVOA_W

ClientSampled :

VW0908SBS01

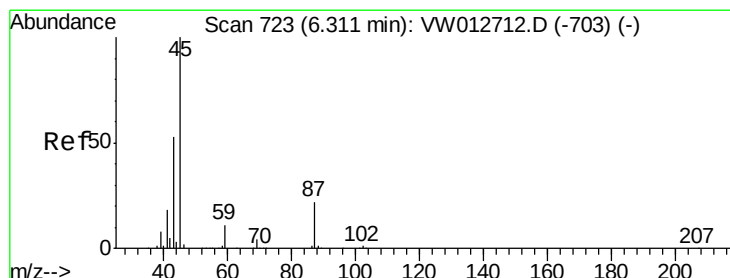
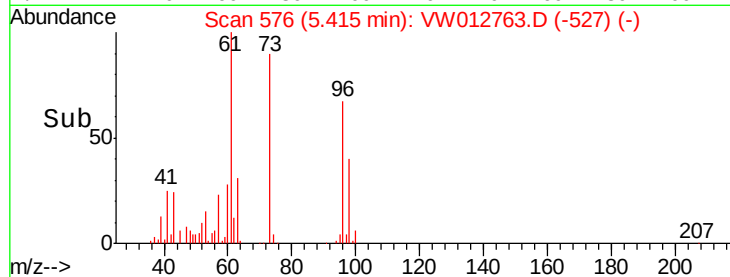
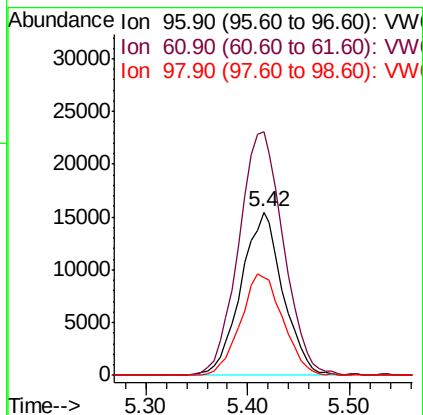
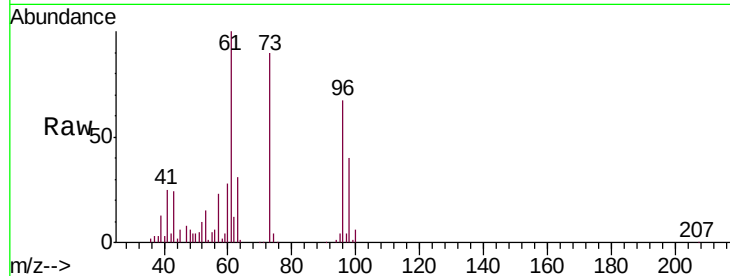
Tgt Ion: 96 Resp: 44038

Ion Ratio Lower Upper

96 100

61 149.3 129.2 193.8

98 59.9 48.0 72.0



#22

Diisopropyl ether

Concen: 21.637 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.01 min

Lab File: VW012763.D

Acq: 08 Sep 2019 12:35

Tgt Ion: 45 Resp: 174570

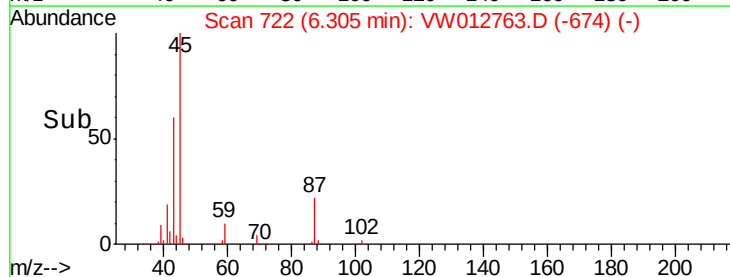
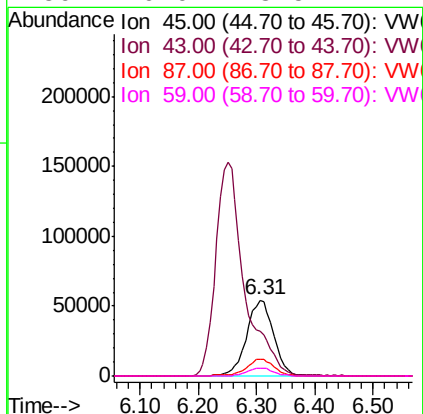
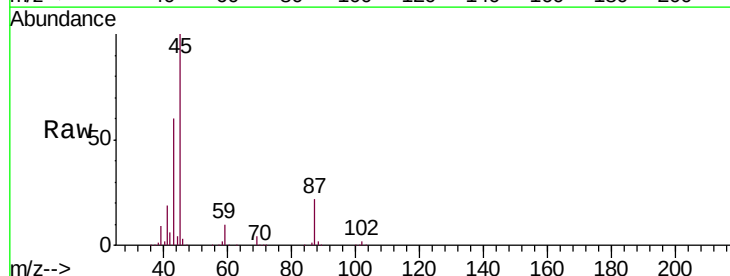
Ion Ratio Lower Upper

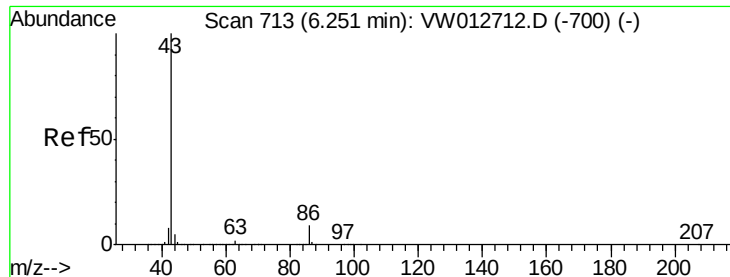
45 100

43 59.6 42.3 63.5

87 22.0 18.2 27.2

59 10.0 8.5 12.7





#23

Vinyl Acetate

Concen: 102.101 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW012763.D

Acq: 08 Sep 2019 12:35

Instrument :

MSVOA_W

ClientSampleId :

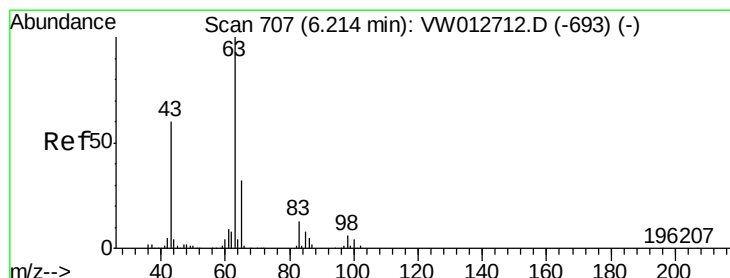
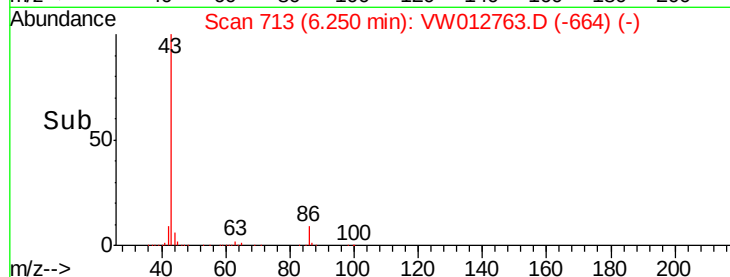
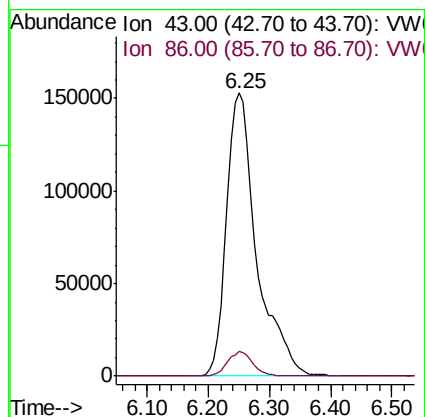
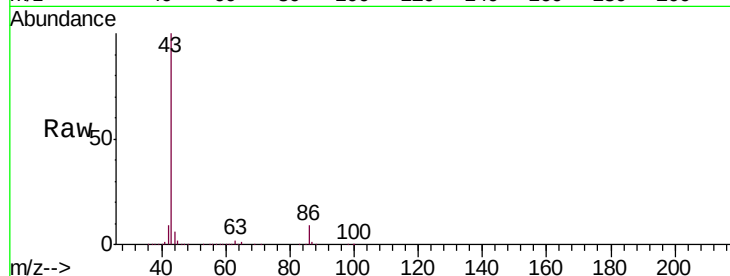
VW0908SBS01

Tgt Ion: 43 Resp: 522064

Ion Ratio Lower Upper

43 100

86 8.8 7.0 10.6



#24

1,1-Dichloroethane

Concen: 21.455 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW012763.D

Acq: 08 Sep 2019 12:35

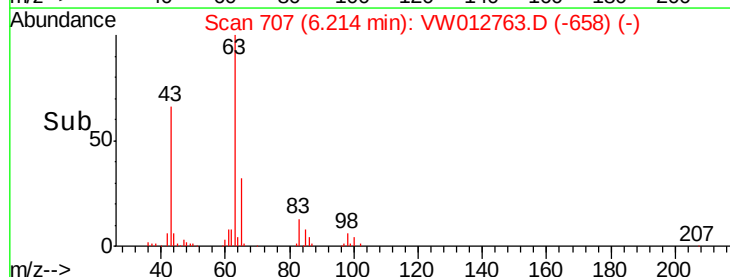
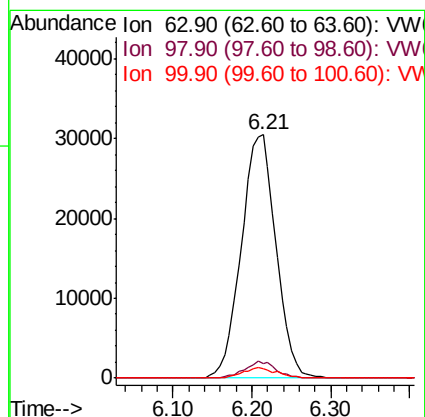
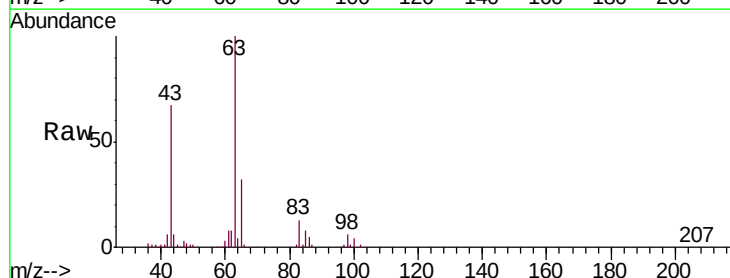
Tgt Ion: 63 Resp: 93206

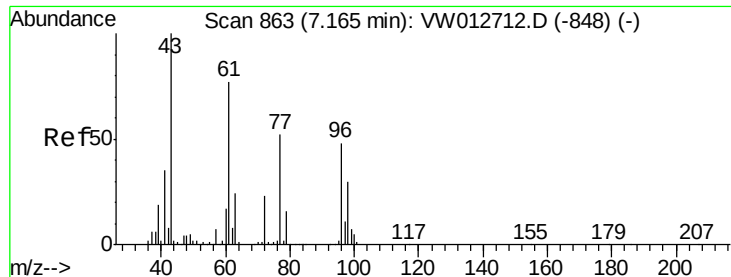
Ion Ratio Lower Upper

63 100

98 6.1 3.1 9.3

100 3.8 1.8 5.5





#25

2-Butanone

Concen: 97.056 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW012763.D

Acq: 08 Sep 2019 12:35

Instrument :

MSVOA_W

ClientSampleId :

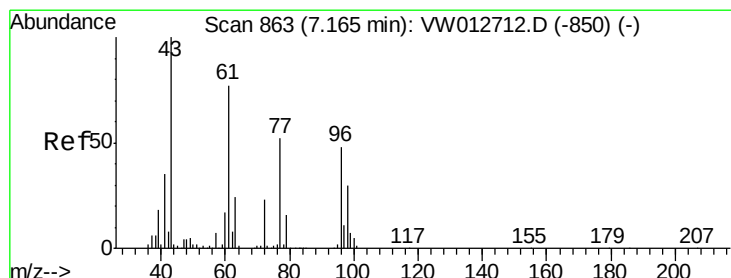
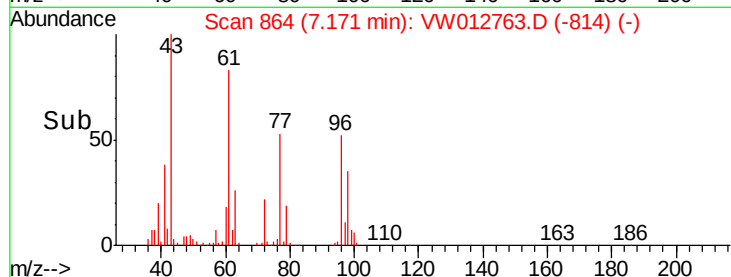
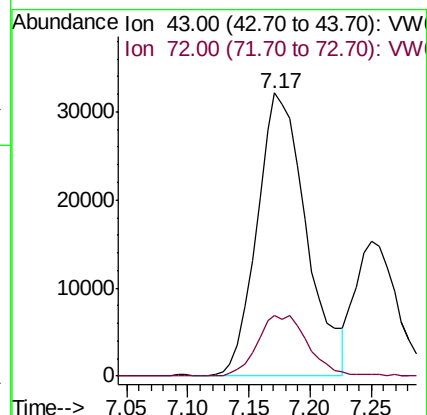
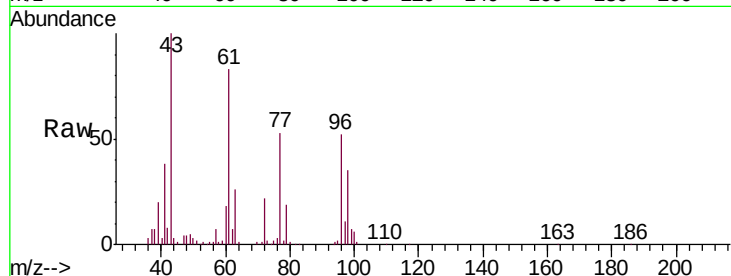
VW0908SBS01

Tgt Ion: 43 Resp: 89699

Ion Ratio Lower Upper

43 100

72 21.6 18.0 27.0



#26

2,2-Dichloropropane

Concen: 21.092 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW012763.D

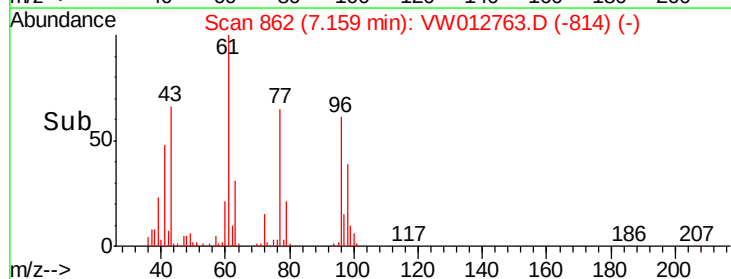
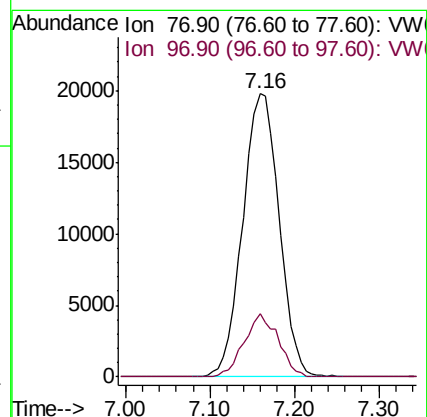
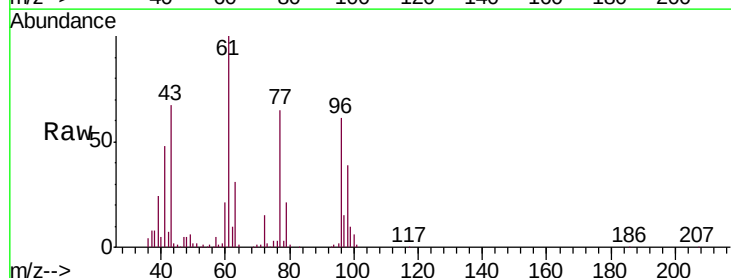
Acq: 08 Sep 2019 12:35

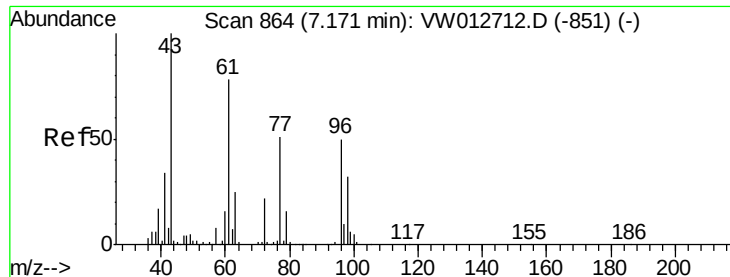
Tgt Ion: 77 Resp: 57874

Ion Ratio Lower Upper

77 100

97 20.9 10.7 32.1



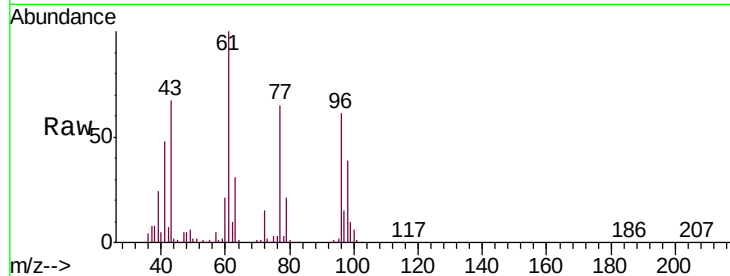


#27

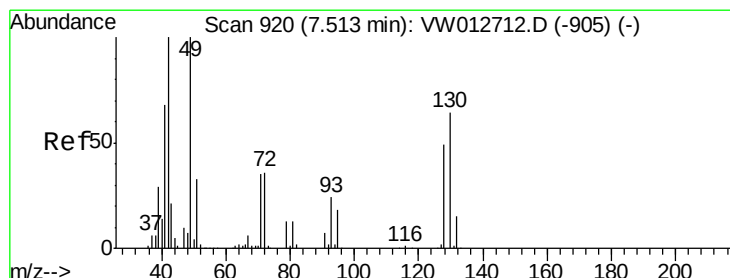
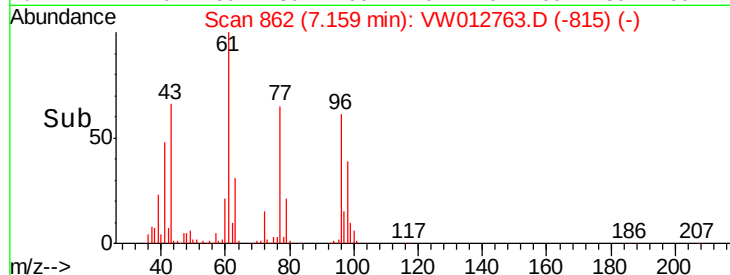
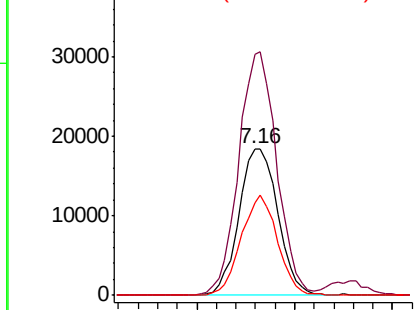
cis-1,2-Dichloroethene
 Concen: 21.858 ug/l
 RT: 7.16 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VW012763.D
 Acq: 08 Sep 2019 12:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0908SBS01

Tgt Ion: 96 Resp: 50853
 Ion Ratio Lower Upper
 96 100
 61 162.1 0.0 325.8
 98 63.7 0.0 127.0



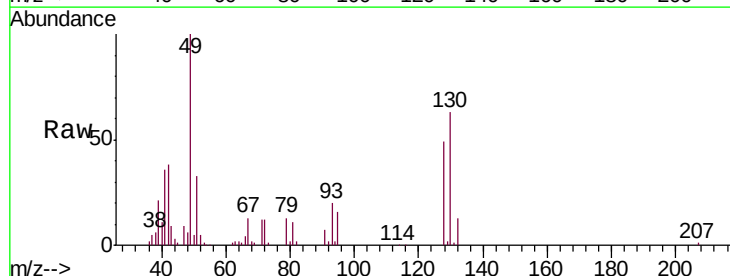
Abundance Ion 95.90 (95.60 to 96.60): VW
 Ion 60.90 (60.60 to 61.60): VW
 Ion 97.90 (97.60 to 98.60): VW



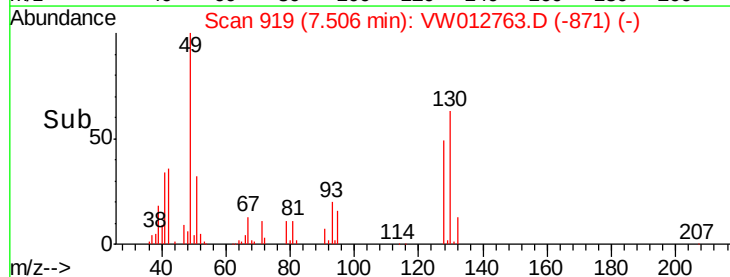
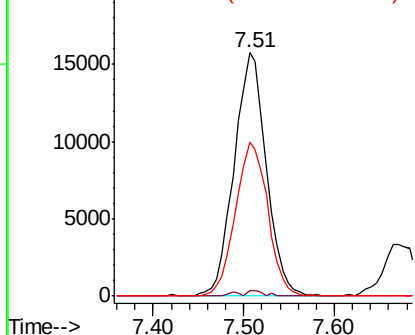
#28

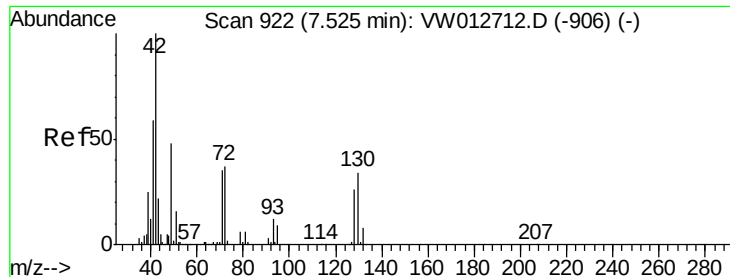
Bromochloromethane
 Concen: 19.414 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VW012763.D
 Acq: 08 Sep 2019 12:35

Tgt Ion: 49 Resp: 38727
 Ion Ratio Lower Upper
 49 100
 129 1.2 0.0 0.8#
 130 63.3 49.8 74.8



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: 90.012 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.01 min

Lab File: VW012763.D

Acq: 08 Sep 2019 12:35

Instrument :

MSVOA_W

ClientSampleId :

VW0908SBS01

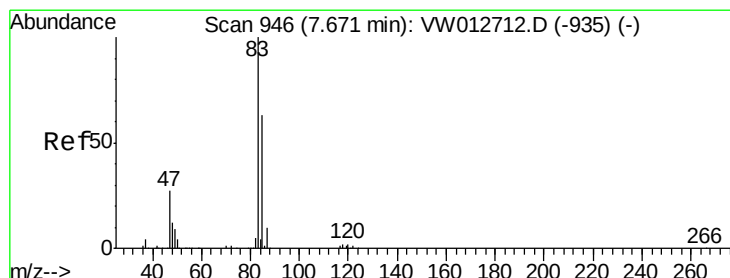
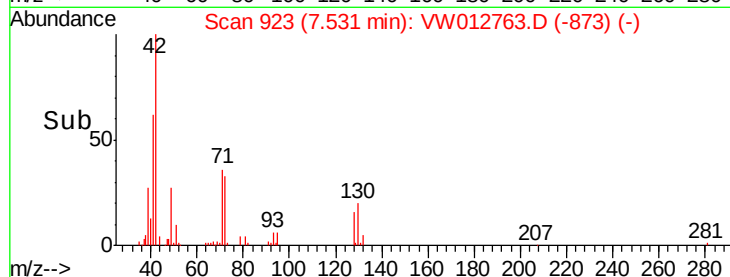
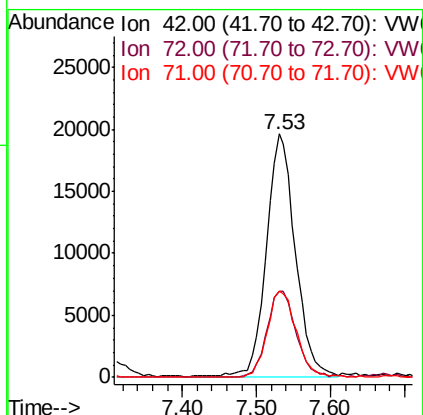
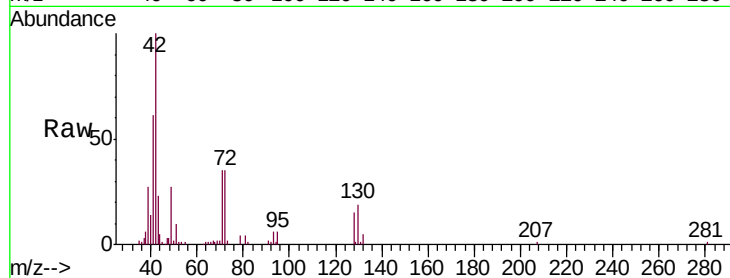
Tgt Ion: 42 Resp: 52724

Ion Ratio Lower Upper

42 100

72 36.1 28.4 42.6

71 35.7 27.1 40.7



#30

Chloroform

Concen: 21.248 ug/l

RT: 7.67 min Scan# 946

Delta R.T. -0.00 min

Lab File: VW012763.D

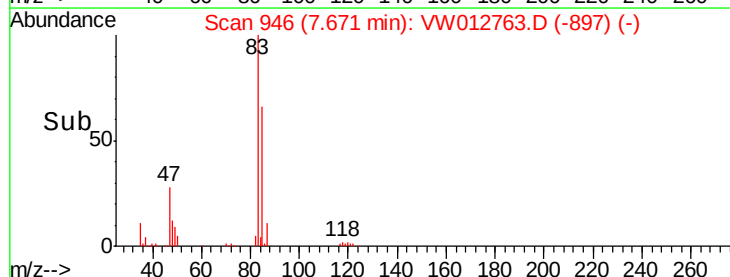
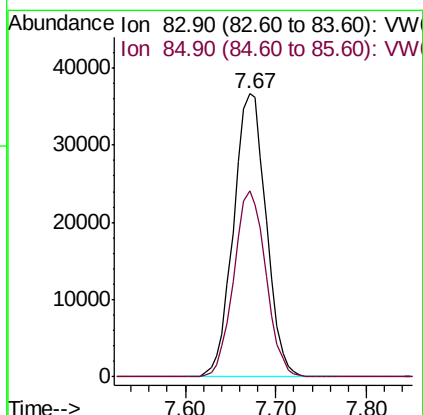
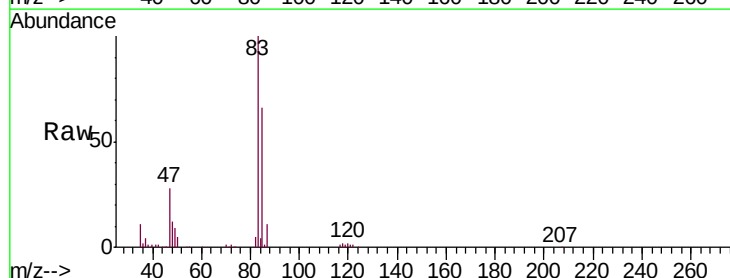
Acq: 08 Sep 2019 12:35

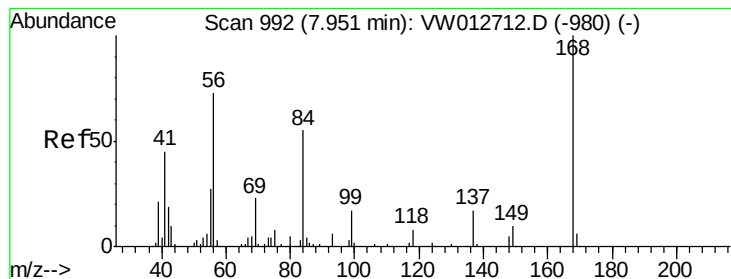
Tgt Ion: 83 Resp: 91480

Ion Ratio Lower Upper

83 100

85 65.8 50.6 76.0





#31

Cyclohexane

Concen: 21.242 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW012763.D

Acq: 08 Sep 2019 12:35

Instrument :

MSVOA_W

ClientSampleId :

VW0908SBS01

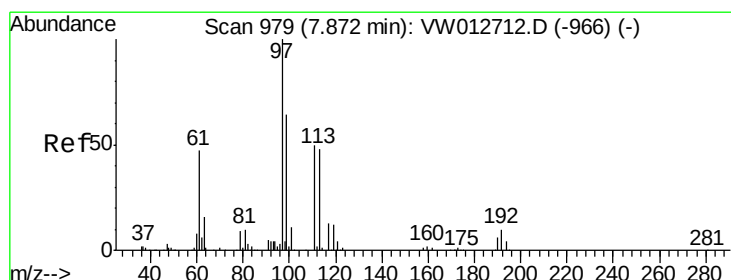
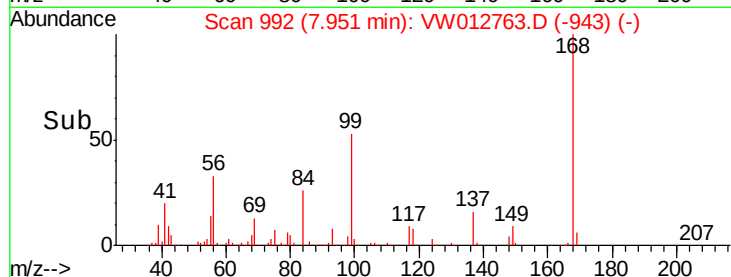
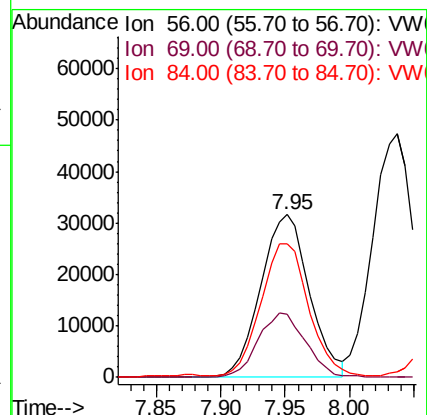
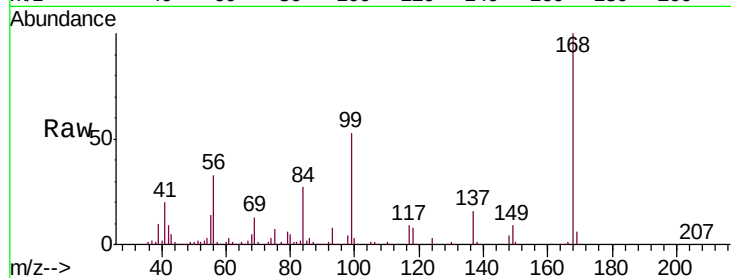
Tgt Ion: 56 Resp: 83076

Ion Ratio Lower Upper

56 100

69 38.4 25.7 38.5

84 80.3 60.4 90.6



#32

1,1,1-Trichloroethane

Concen: 21.430 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW012763.D

Acq: 08 Sep 2019 12:35

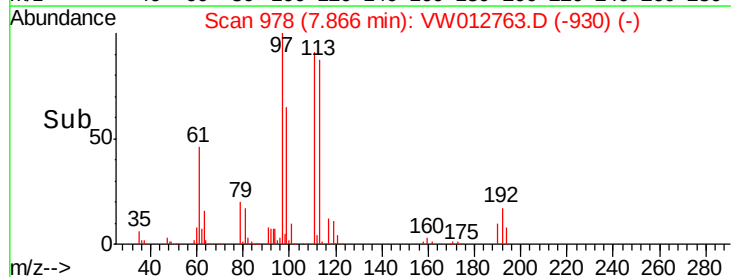
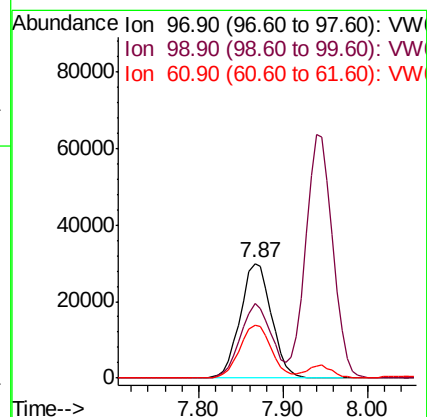
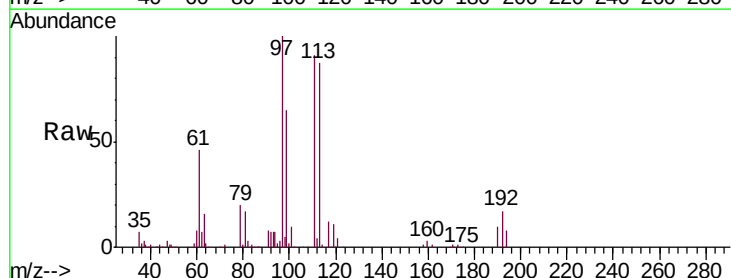
Tgt Ion: 97 Resp: 74788

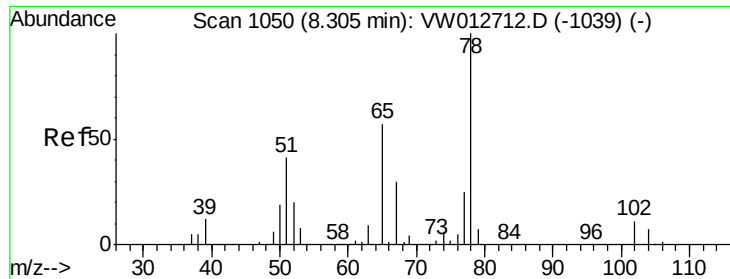
Ion Ratio Lower Upper

97 100

99 65.3 51.5 77.3

61 47.5 37.9 56.9

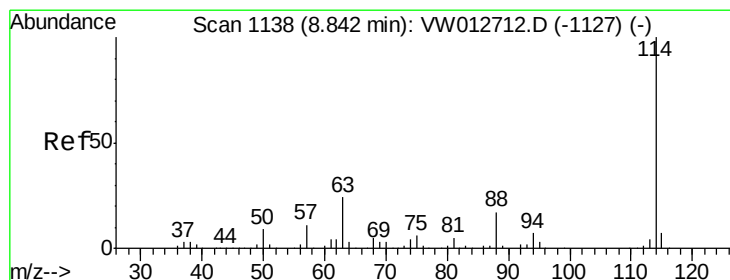
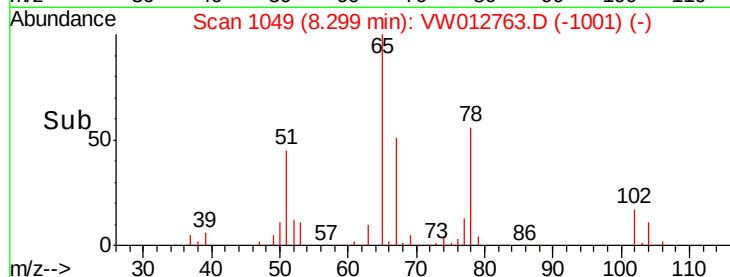
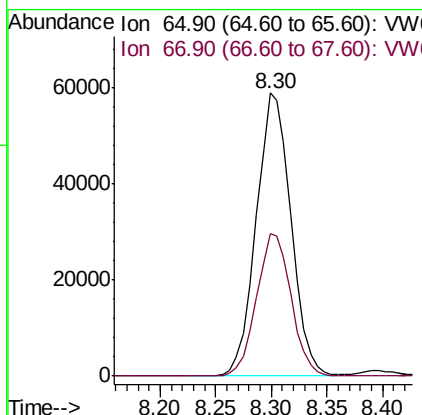
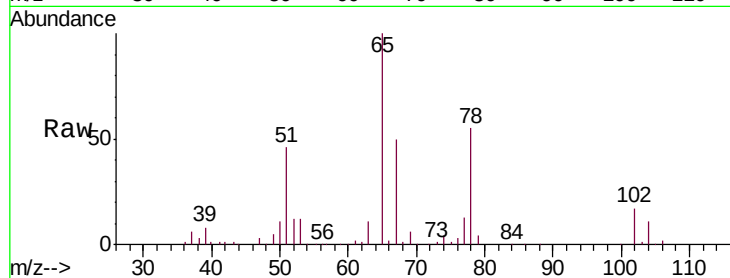




#33
 1,2-Dichloroethane-d4
 Concen: 48.240 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW012763.D
 Acq: 08 Sep 2019 12:35

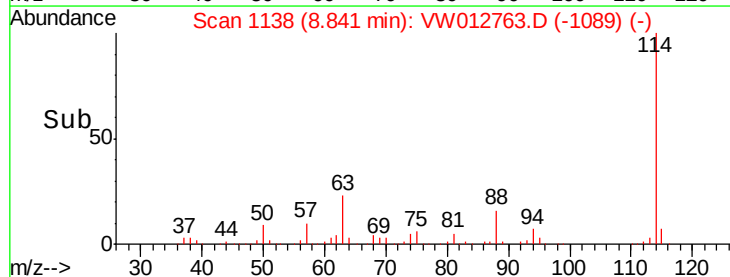
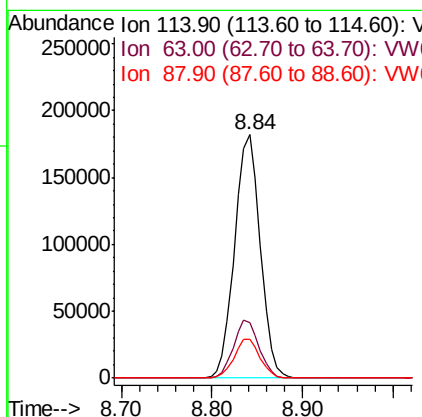
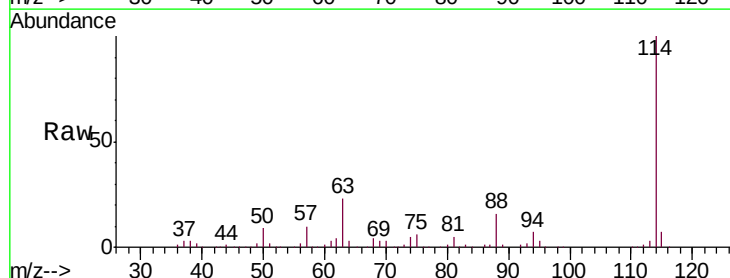
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0908SBS01

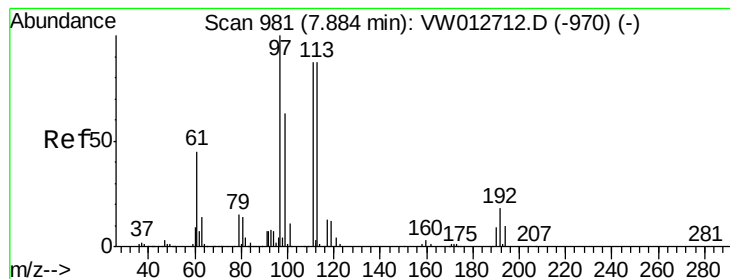
Tgt Ion: 65 Resp: 128349
 Ion Ratio Lower Upper
 65 100
 67 50.3 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012763.D
 Acq: 08 Sep 2019 12:35

Tgt Ion: 114 Resp: 356976
 Ion Ratio Lower Upper
 114 100
 63 22.9 0.0 47.2
 88 15.9 0.0 34.0





#35

Dibromofluoromethane

Concen: 45.438 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012763.D

Acq: 08 Sep 2019 12:35

Instrument :

MSVOA_W

ClientSampleId :

VW0908SBS01

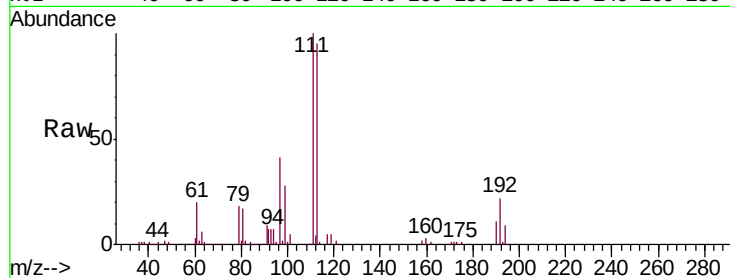
Tgt Ion:113 Resp: 96434

Ion Ratio Lower Upper

113 100

111 103.6 80.2 120.4

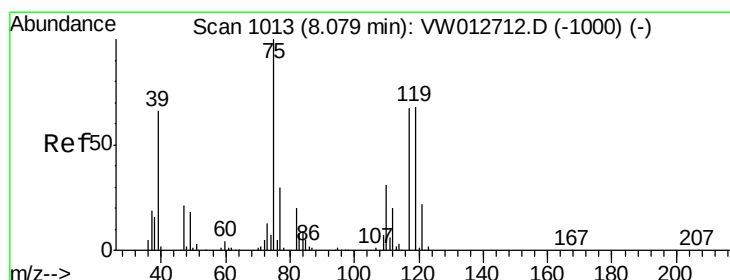
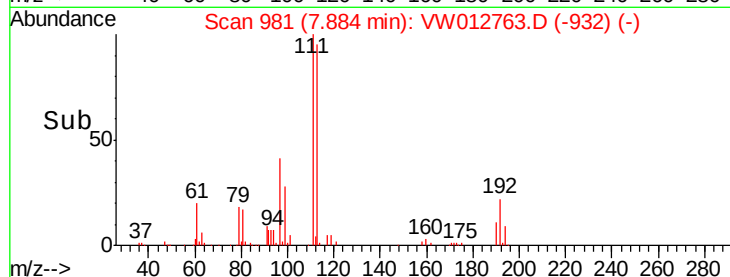
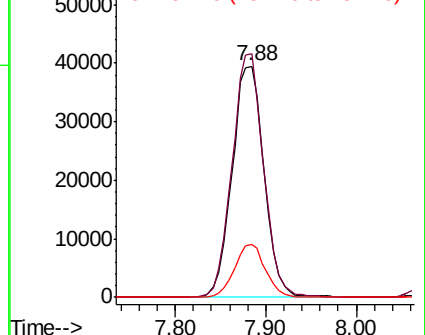
192 22.0 17.3 25.9



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: 22.184 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW012763.D

Acq: 08 Sep 2019 12:35

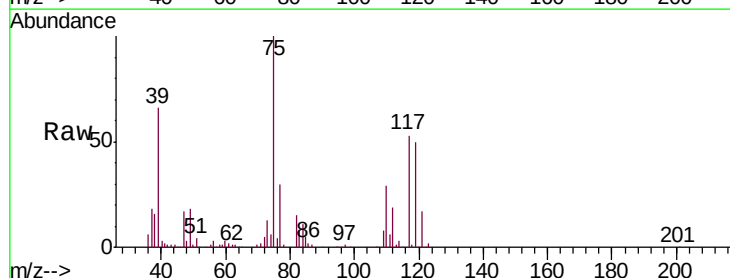
Tgt Ion: 75 Resp: 70364

Ion Ratio Lower Upper

75 100

110 31.9 15.9 47.7

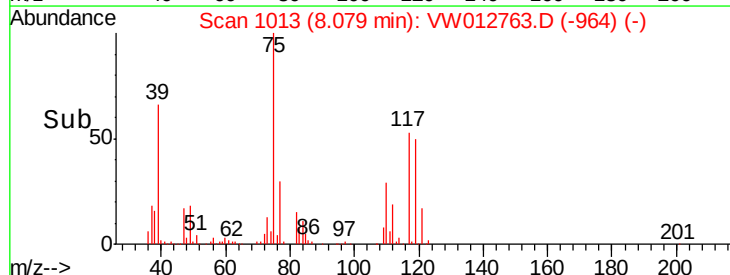
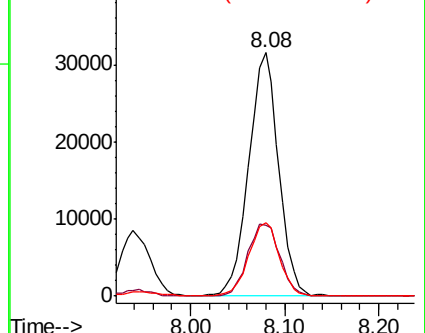
77 31.2 25.0 37.4

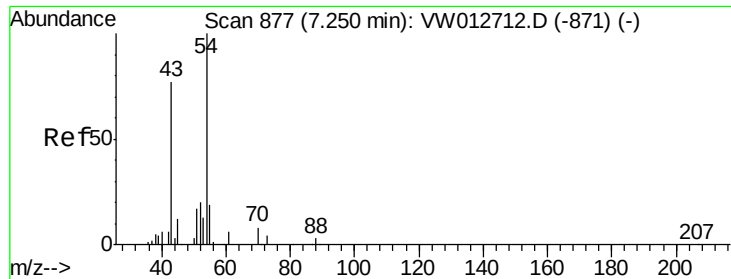


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

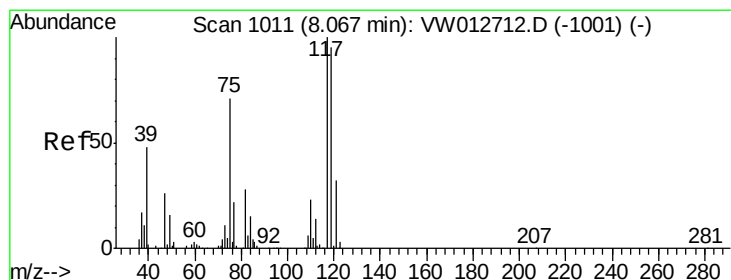
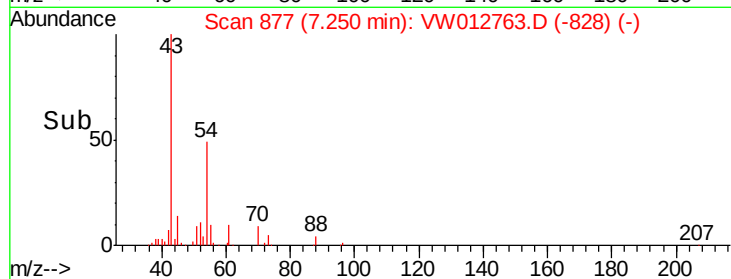
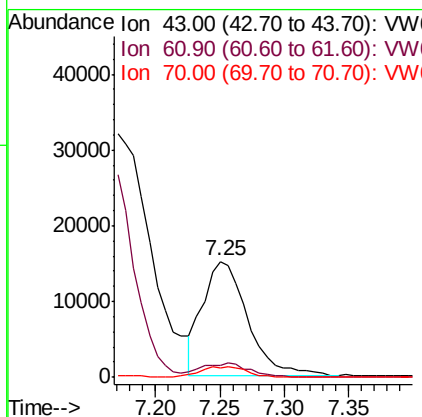
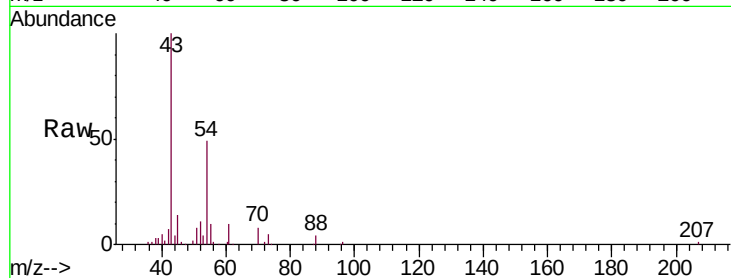




#37
Ethyl Acetate
Concen: 18.212 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW012763.D
Acq: 08 Sep 2019 12:35

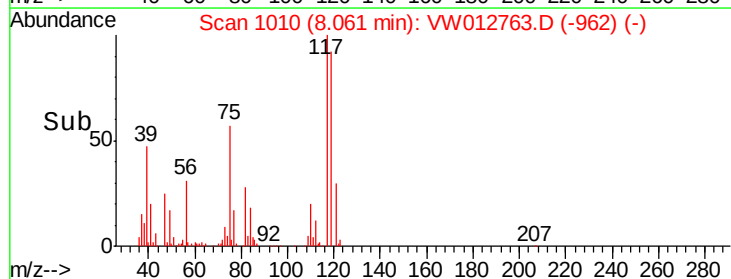
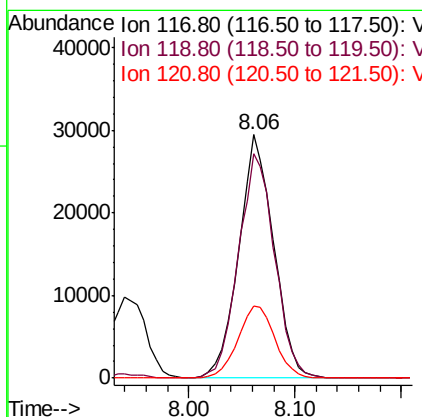
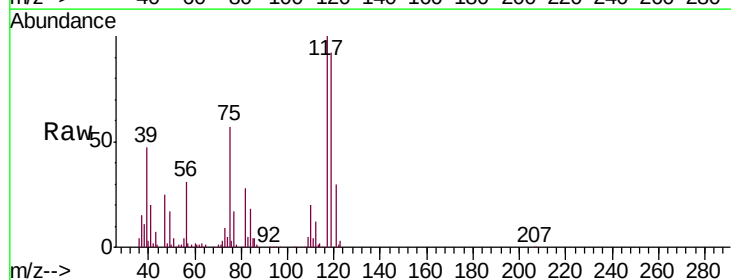
Instrument :
MSVOA_W
ClientSampleId :
VW0908SBS01

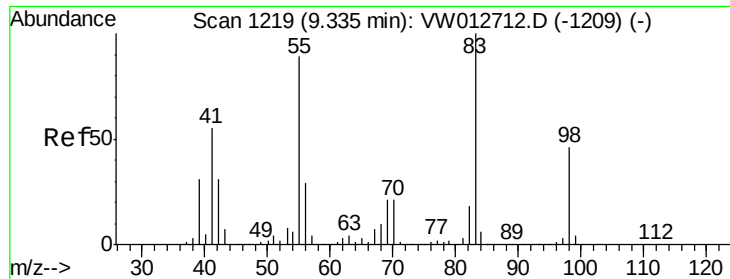
Tgt Ion: 43 Resp: 36824
Ion Ratio Lower Upper
43 100
61 14.1 9.5 14.3
70 9.8 7.0 10.6



#38
Carbon Tetrachloride
Concen: 21.607 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW012763.D
Acq: 08 Sep 2019 12:35

Tgt Ion: 117 Resp: 67556
Ion Ratio Lower Upper
117 100
119 92.1 76.2 114.2
121 29.6 25.4 38.2

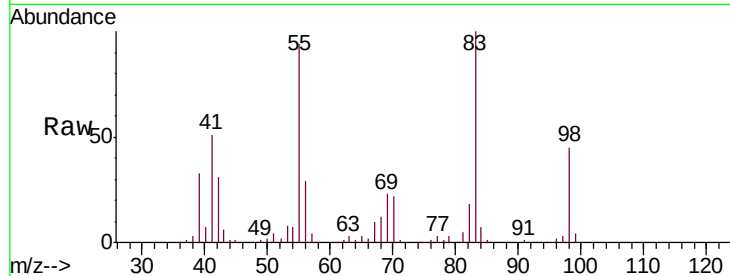




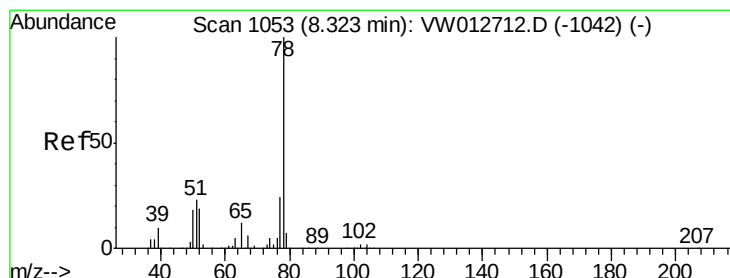
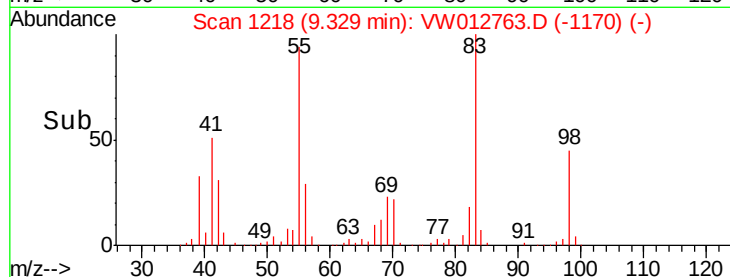
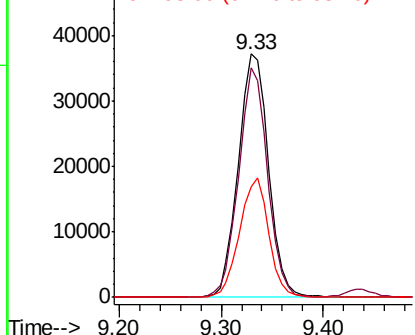
#39
Methylcyclohexane
Concen: 21.520 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW012763.D
Acq: 08 Sep 2019 12:35

Instrument :
MSVOA_W
ClientSampleId :
VW0908SBS01

Tgt Ion: 83 Resp: 76664
Ion Ratio Lower Upper
83 100
55 94.0 71.0 106.4
98 45.1 36.9 55.3

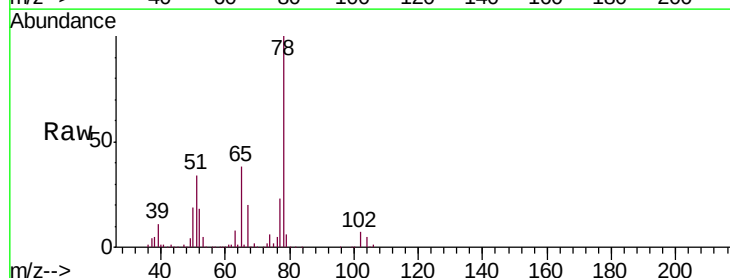


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

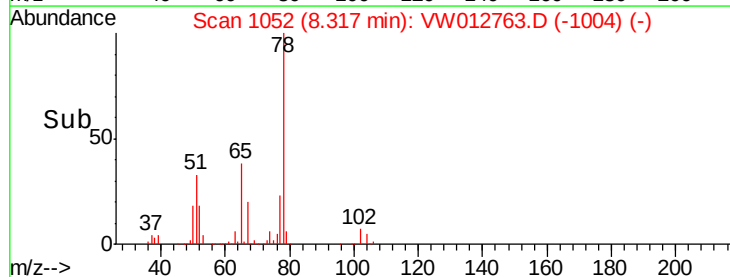
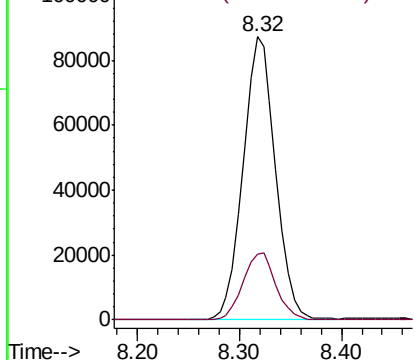


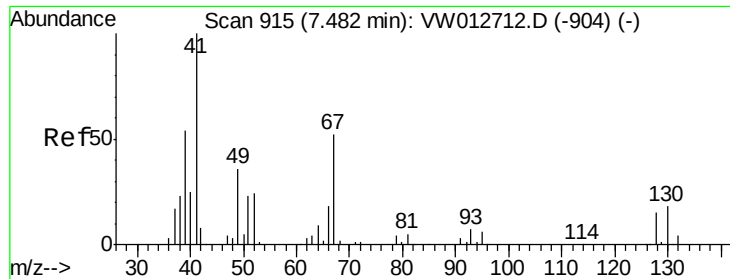
#40
Benzene
Concen: 21.853 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW012763.D
Acq: 08 Sep 2019 12:35

Tgt Ion: 78 Resp: 192309
Ion Ratio Lower Upper
78 100
77 23.4 19.3 28.9



Abundance Ion 78.00 (77.70 to 78.70): VW
Ion 77.00 (76.70 to 77.70): VW

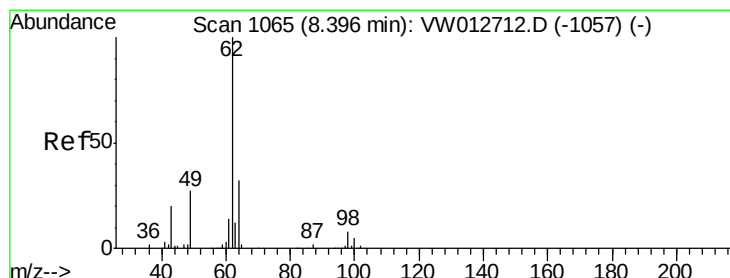
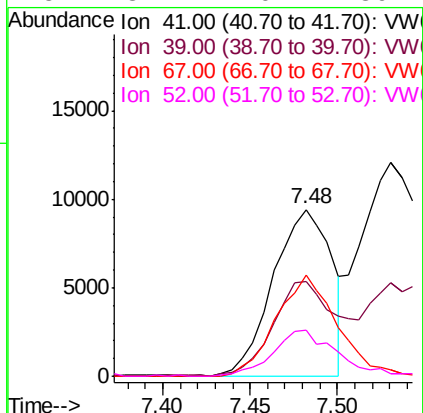
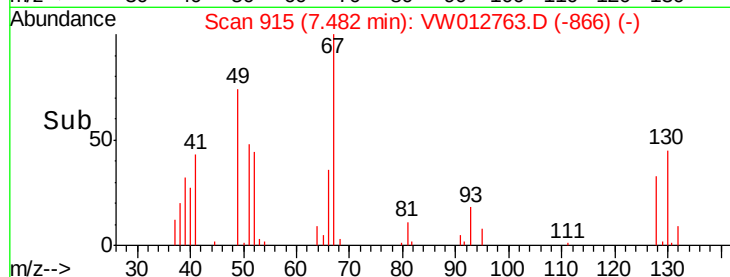
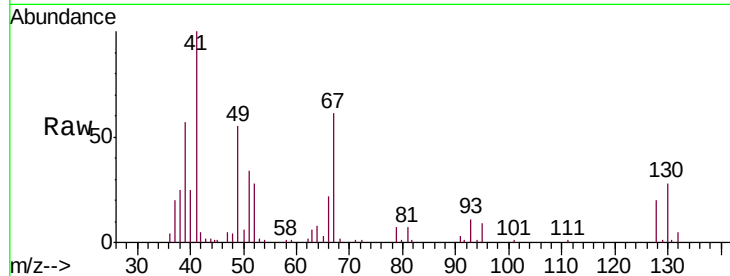




#41
Methacrylonitrile
Concen: 18.599 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW012763.D
Acq: 08 Sep 2019 12:35

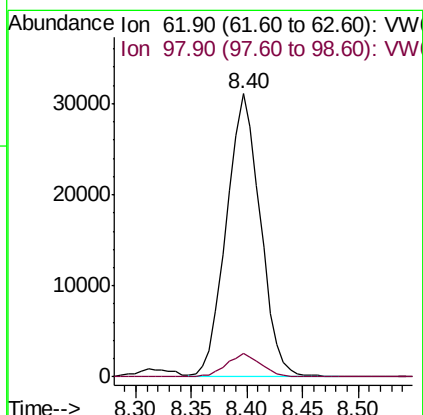
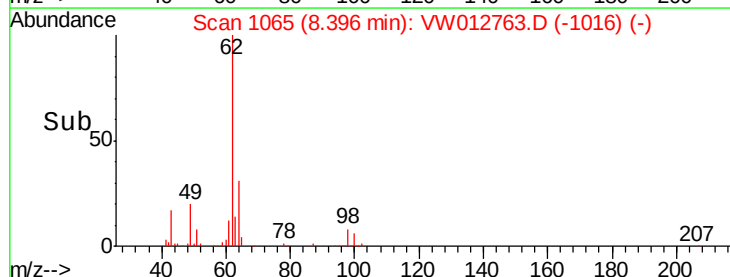
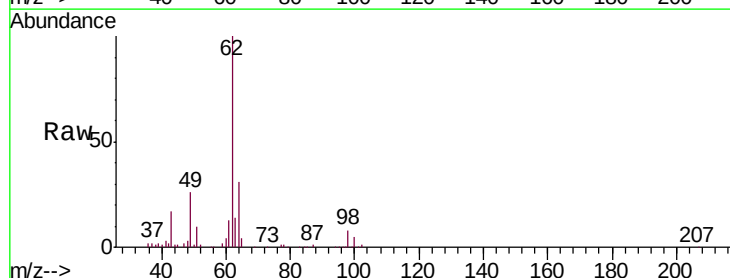
Instrument :
MSVOA_W
ClientSampled :
VW0908SBS01

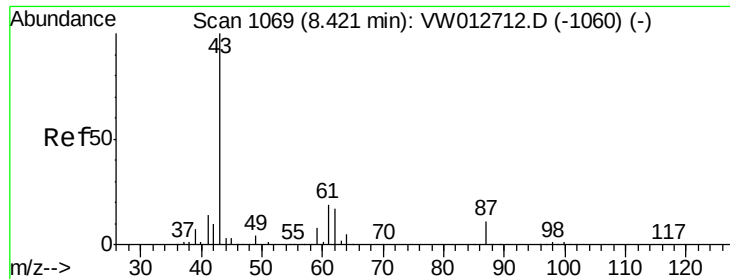
Tgt Ion:	41	Resp:	21975
Ion	Ratio	Lower	Upper
41	100		
39	66.4	47.5	71.3
67	63.7	45.1	67.7
52	31.1	20.2	30.2#



#42
1,2-Dichloroethane
Concen: 21.116 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW012763.D
Acq: 08 Sep 2019 12:35

Tgt Ion:	62	Resp:	65399
Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	16.2





#43

Isopropyl Acetate

Concen: 19.099 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW012763.D

Acq: 08 Sep 2019 12:35

Instrument :

MSVOA_W

ClientSampleId :

VW0908SBS01

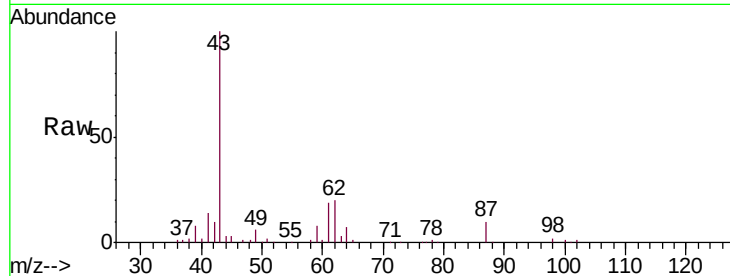
Tgt Ion: 43 Resp: 73161

Ion Ratio Lower Upper

43 100

61 27.0 20.6 30.8

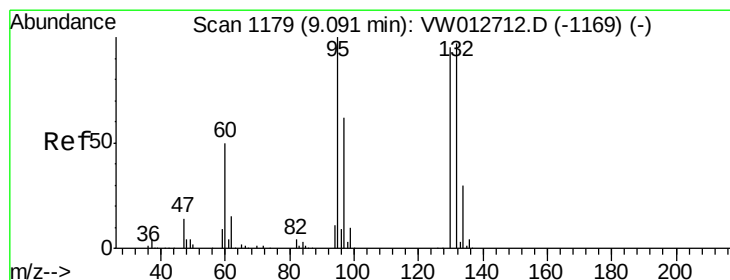
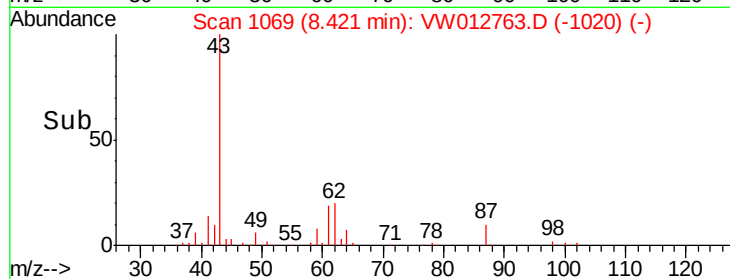
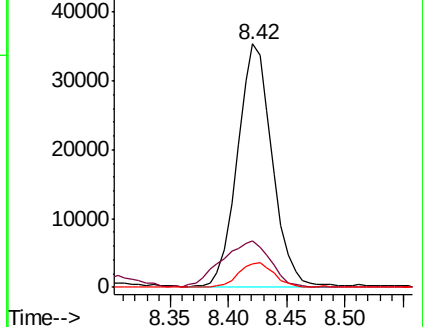
87 10.4 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 21.532 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW012763.D

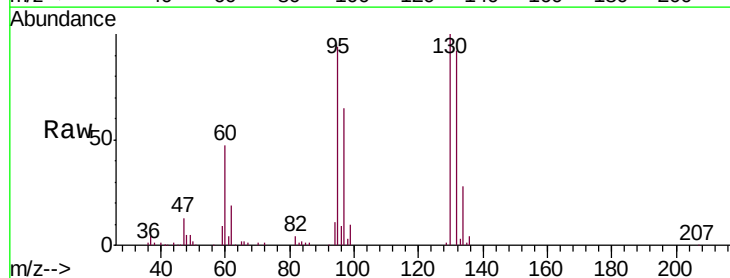
Acq: 08 Sep 2019 12:35

Tgt Ion: 130 Resp: 48845

Ion Ratio Lower Upper

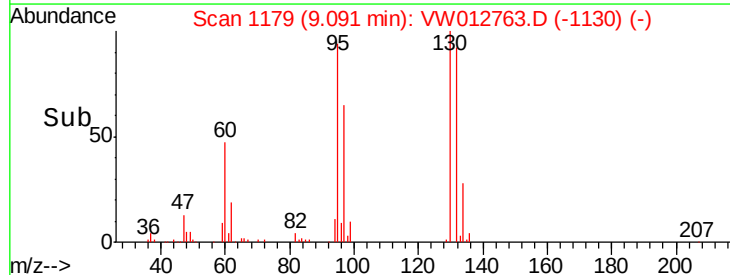
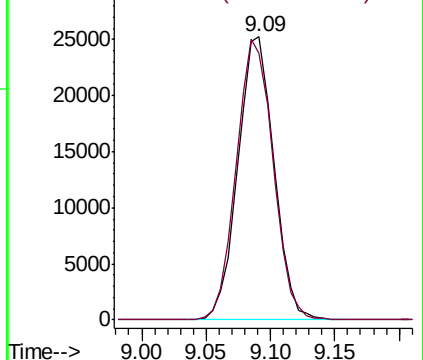
130 100

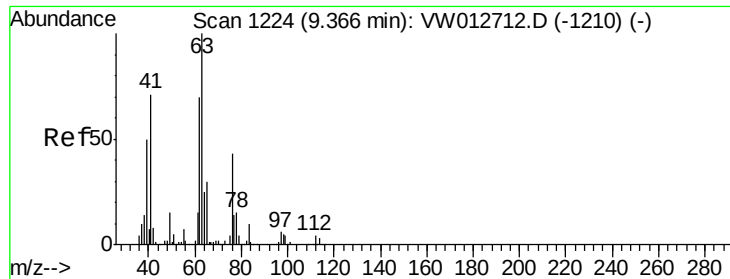
95 94.3 0.0 210.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

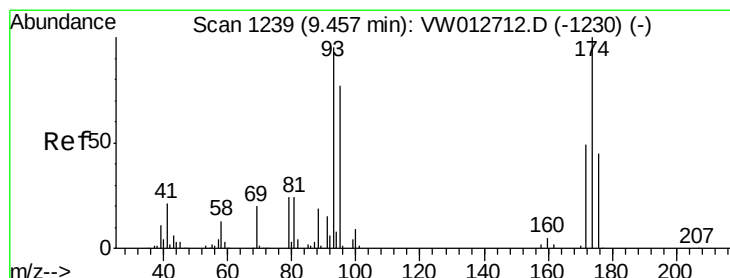
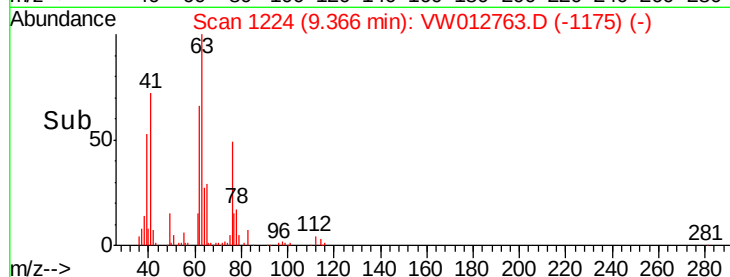
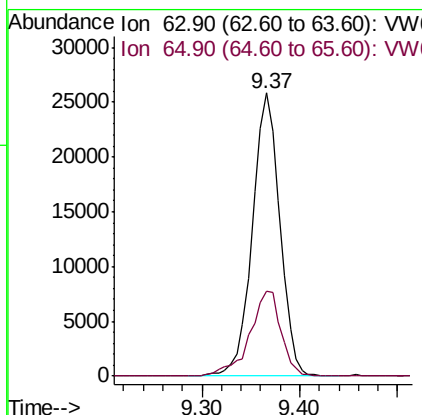
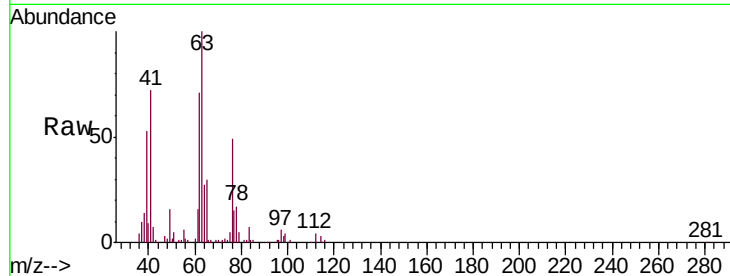




#45
 1,2-Dichloropropane
 Concen: 20.608 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW012763.D
 Acq: 08 Sep 2019 12:35

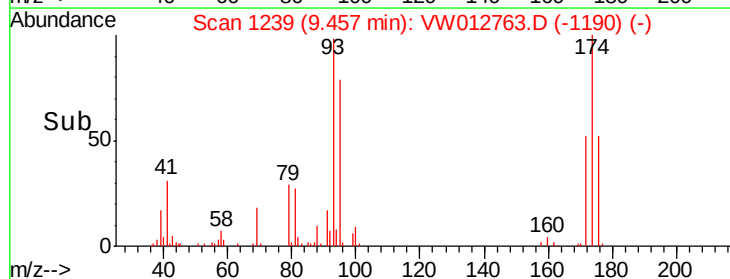
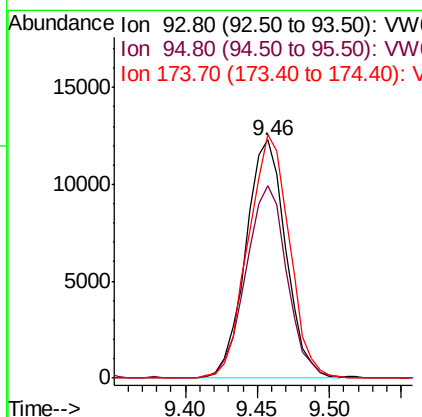
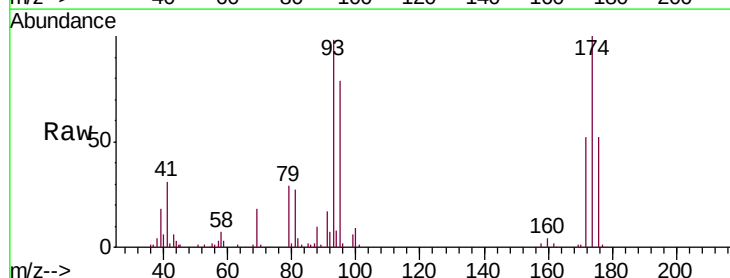
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0908SBS01

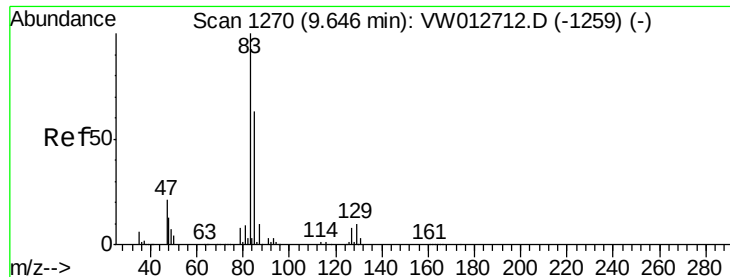
Tgt Ion: 63 Resp: 50300
 Ion Ratio Lower Upper
 63 100
 65 30.0 23.8 35.8



#46
 Dibromomethane
 Concen: 20.468 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW012763.D
 Acq: 08 Sep 2019 12:35

Tgt Ion: 93 Resp: 23657
 Ion Ratio Lower Upper
 93 100
 95 82.7 65.2 97.8
 174 105.2 84.2 126.4





#47

Bromodichloromethane

Concen: 20.295 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW012763.D

Acq: 08 Sep 2019 12:35

Instrument :

MSVOA_W

ClientSampleId :

VW0908SBS01

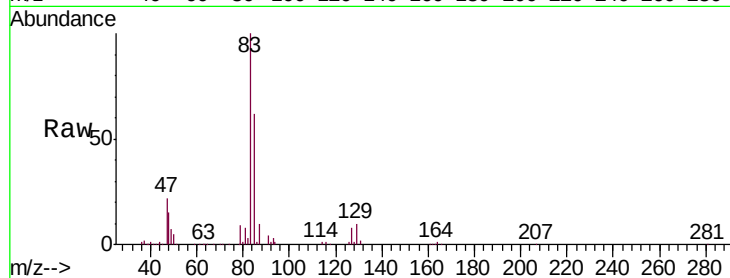
Tgt Ion: 83 Resp: 64537

Ion Ratio Lower Upper

83 100

85 61.6 50.2 75.2

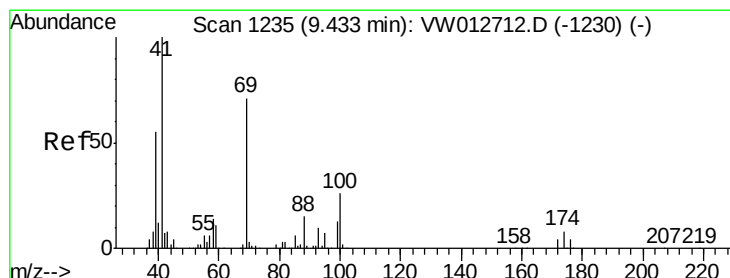
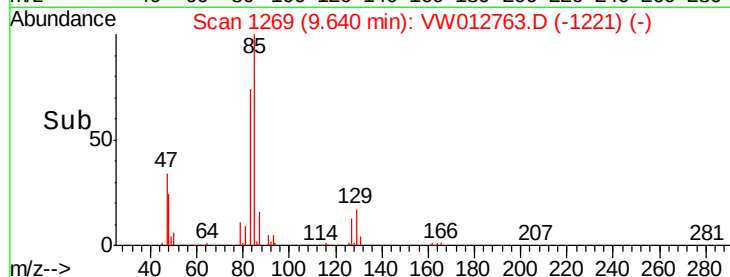
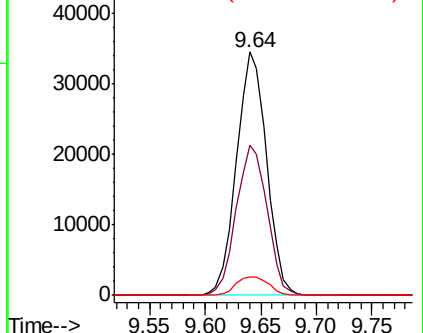
127 7.8 6.6 9.8



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 18.423 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VW012763.D

Acq: 08 Sep 2019 12:35

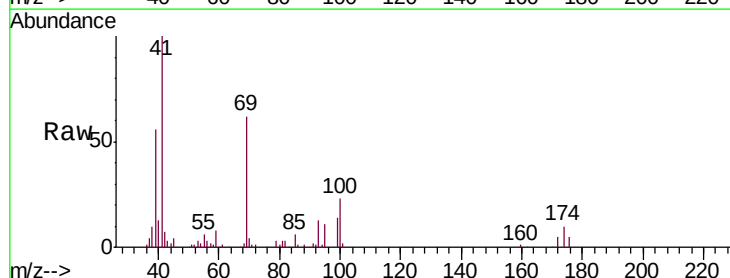
Tgt Ion: 41 Resp: 33726

Ion Ratio Lower Upper

41 100

69 74.7 59.8 89.8

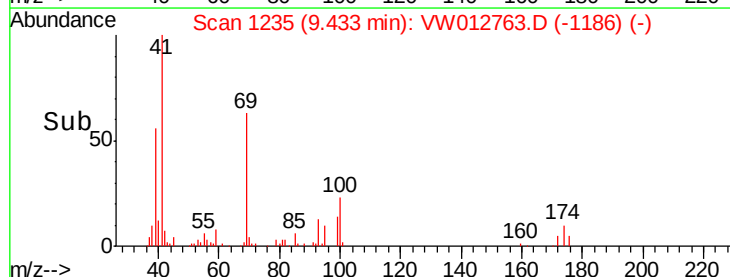
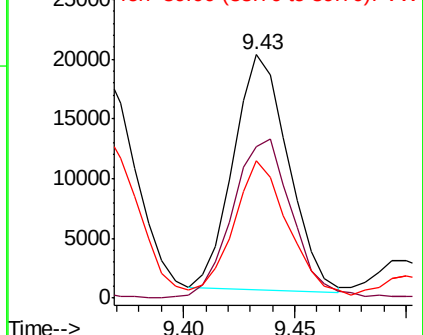
39 58.3 47.0 70.6

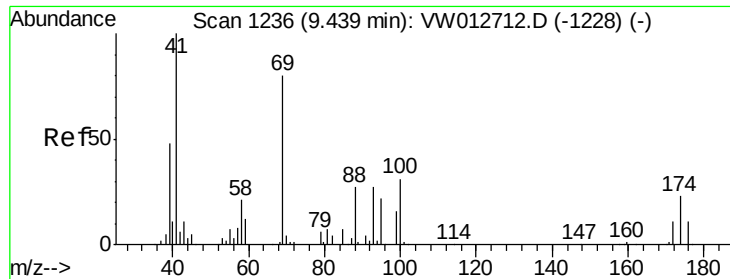


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 363.243 ug/l

RT: 9.49 min Scan# 1244

Delta R.T. 0.05 min

Lab File: VW012763.D

Acq: 08 Sep 2019 12:35

Instrument :

MSVOA_W

ClientSampleId :

VW0908SBS01

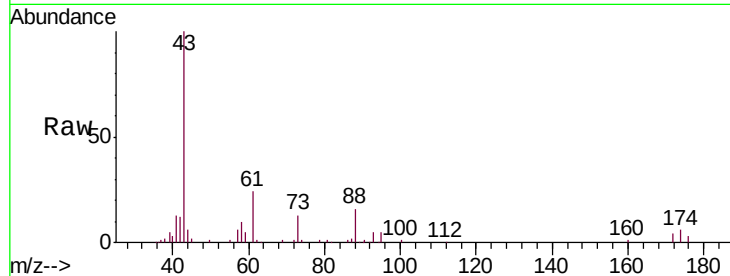
Tgt Ion: 88 Resp: 8293

Ion Ratio Lower Upper

88 100

43 715.9 34.8 52.2#

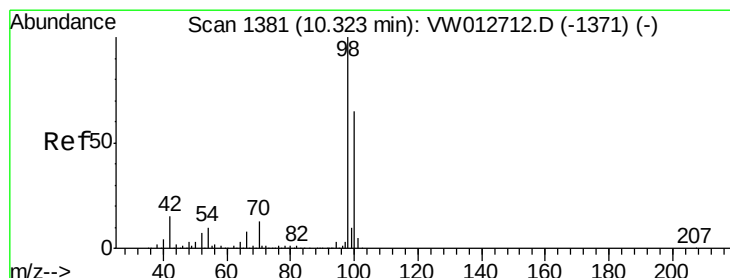
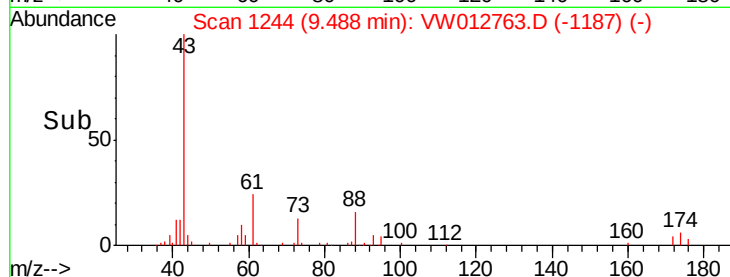
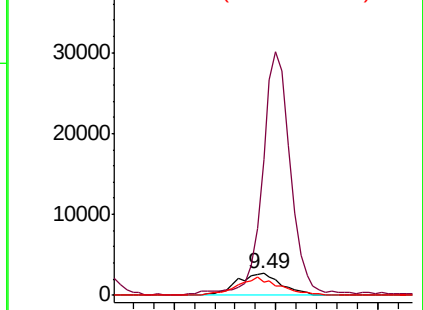
58 81.0 64.1 96.1



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 46.052 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012763.D

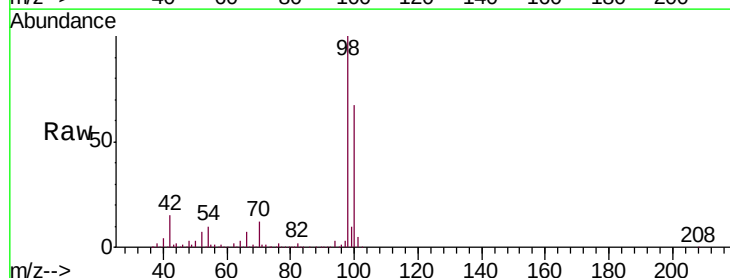
Acq: 08 Sep 2019 12:35

Tgt Ion: 98 Resp: 382908

Ion Ratio Lower Upper

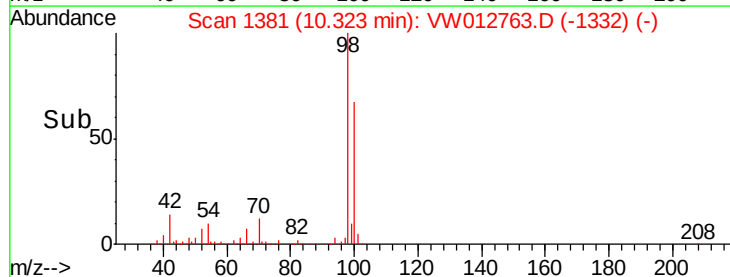
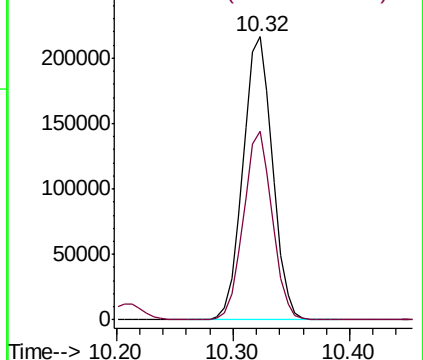
98 100

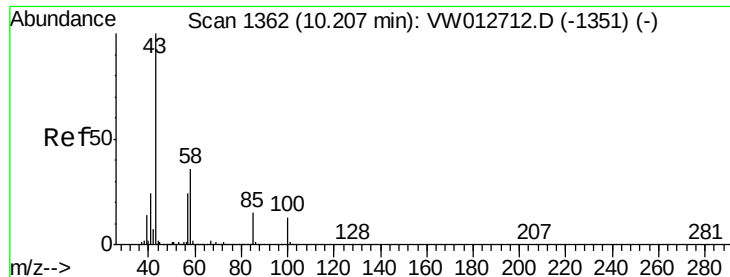
100 65.2 52.2 78.4



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

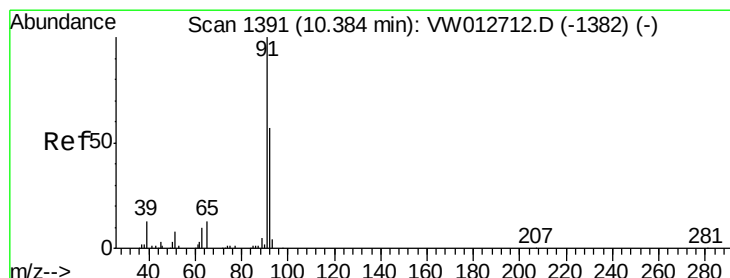
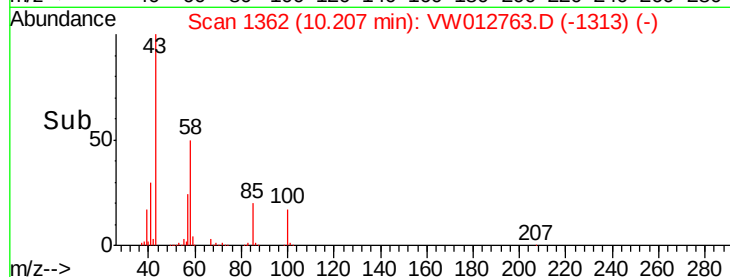
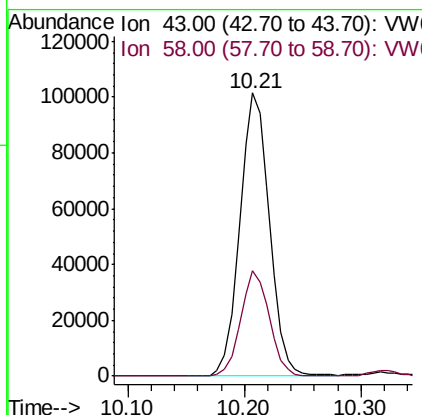
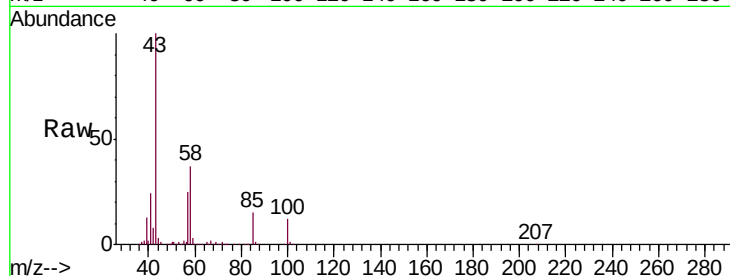




#51
 4-Methyl-2-Pentanone
 Concen: 89.293 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW012763.D
 Acq: 08 Sep 2019 12:35

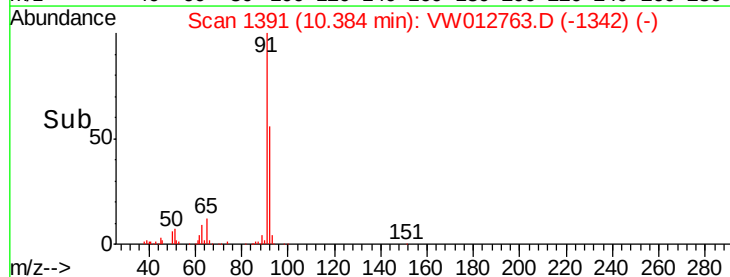
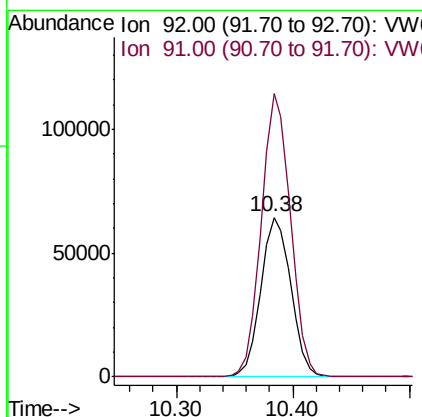
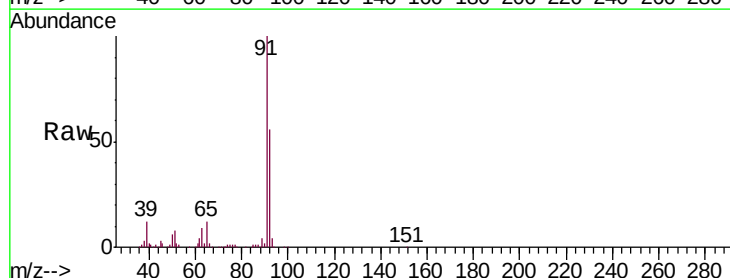
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0908SBS01

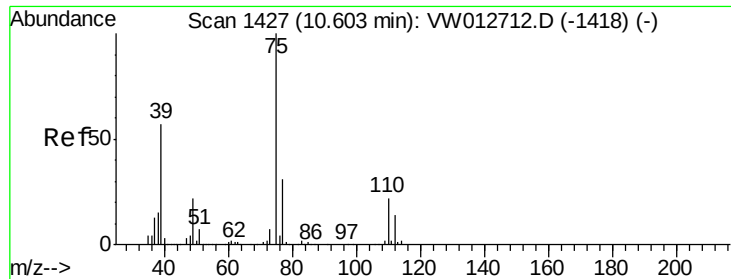
Tgt Ion: 43 Resp: 179486
 Ion Ratio Lower Upper
 43 100
 58 36.1 28.4 42.6



#52
 Toluene
 Concen: 20.906 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VW012763.D
 Acq: 08 Sep 2019 12:35

Tgt Ion: 92 Resp: 114827
 Ion Ratio Lower Upper
 92 100
 91 172.7 137.0 205.4





#53

t-1,3-Dichloropropene

Concen: 20.093 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW012763.D

Acq: 08 Sep 2019 12:35

Instrument :

MSVOA_W

ClientSampleId :

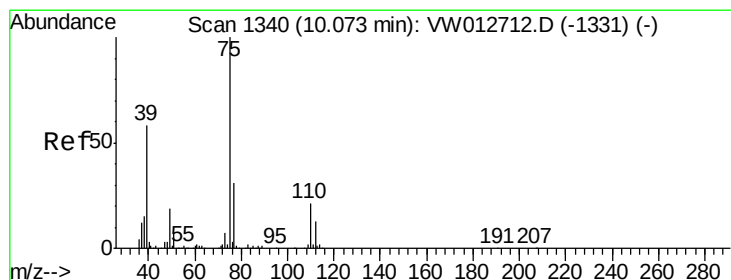
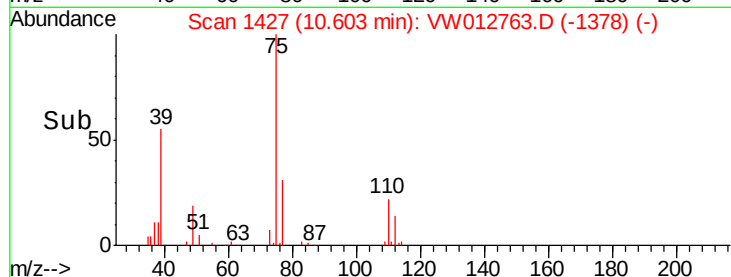
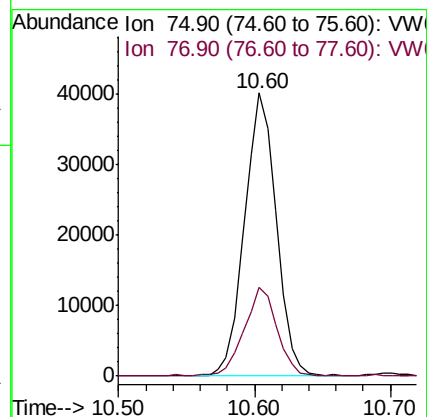
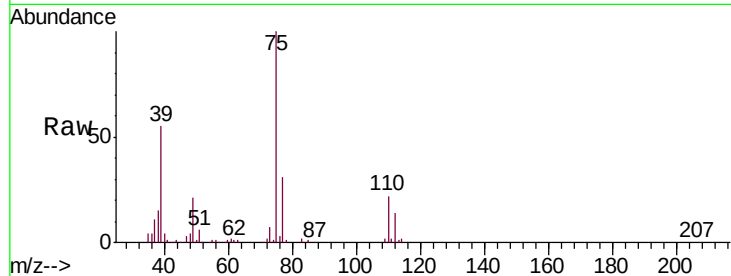
VW0908SBS01

Tgt Ion: 75 Resp: 65700

Ion Ratio Lower Upper

75 100

77 31.2 24.7 37.1



#54

cis-1,3-Dichloropropene

Concen: 19.743 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW012763.D

Acq: 08 Sep 2019 12:35

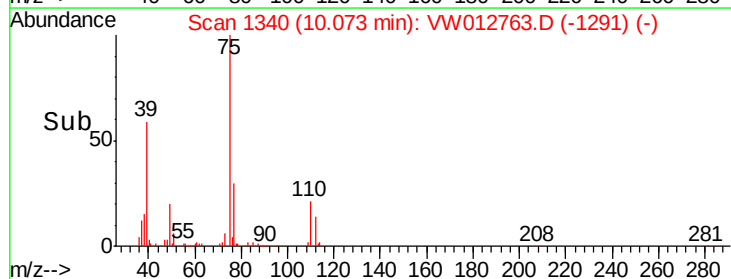
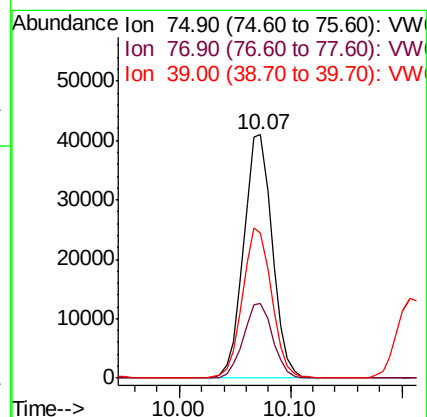
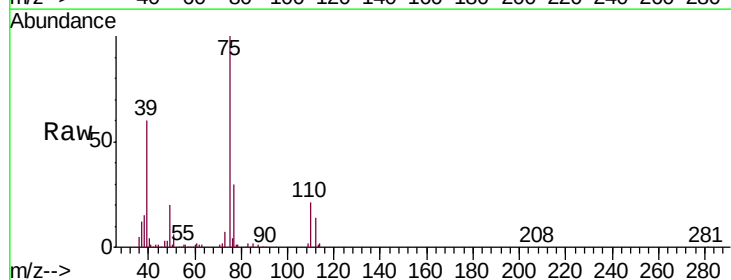
Tgt Ion: 75 Resp: 73233

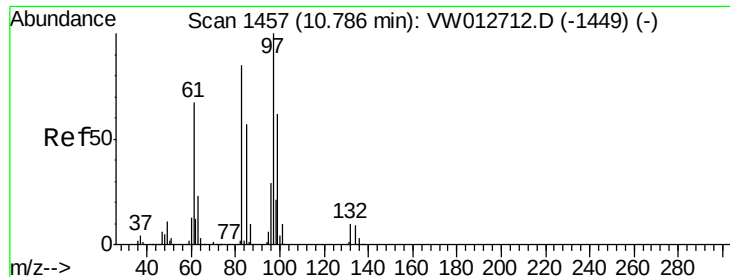
Ion Ratio Lower Upper

75 100

77 30.5 24.6 36.8

39 59.4 46.3 69.5

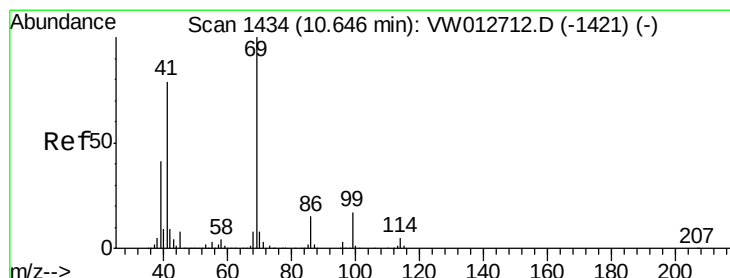
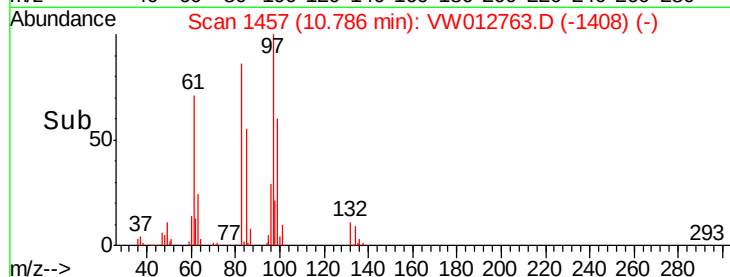
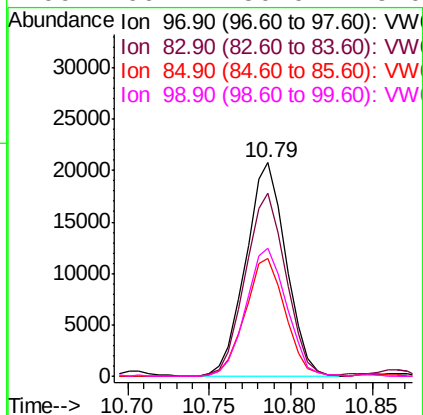
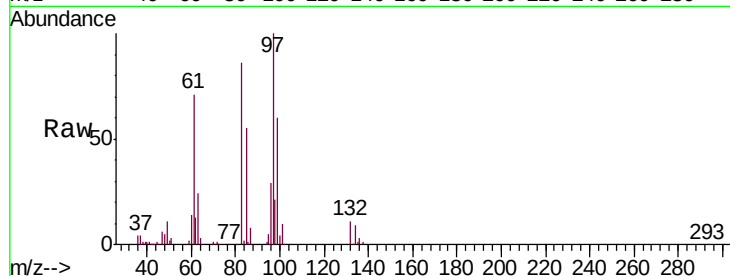




#55
 1,1,2-Trichloroethane
 Concen: 20.717 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW012763.D
 Acq: 08 Sep 2019 12:35

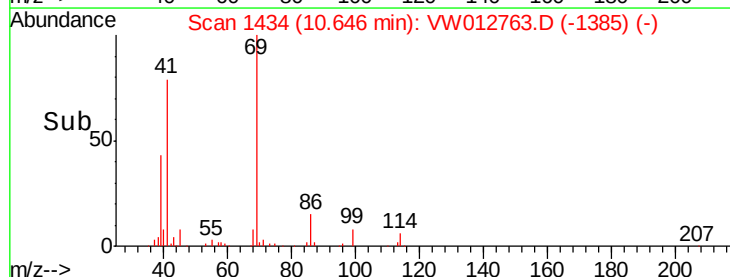
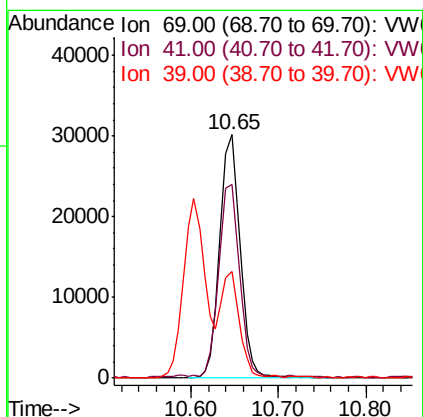
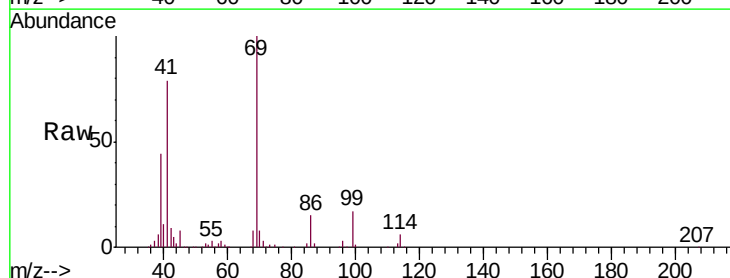
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0908SBS01

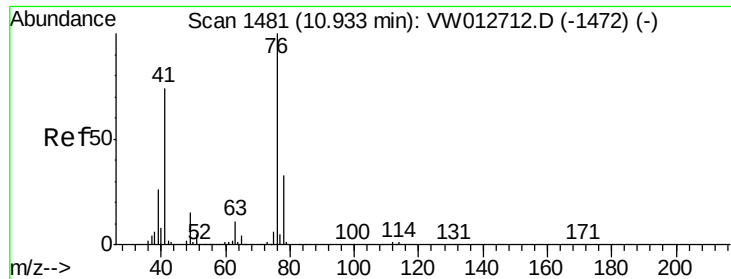
Tgt Ion:	97	Resp:	35848
Ion	Ratio	Lower	Upper
97	100		
83	85.9	68.1	102.1
85	55.0	45.3	67.9
99	60.2	50.0	75.0



#56
 Ethyl methacrylate
 Concen: 19.403 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW012763.D
 Acq: 08 Sep 2019 12:35

Tgt Ion:	69	Resp:	49146
Ion	Ratio	Lower	Upper
69	100		
41	79.4	64.4	96.6
39	38.6	31.1	46.7

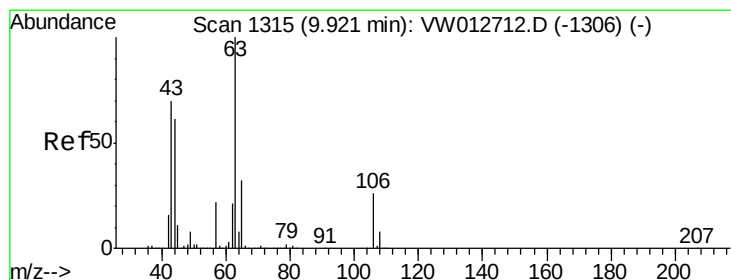
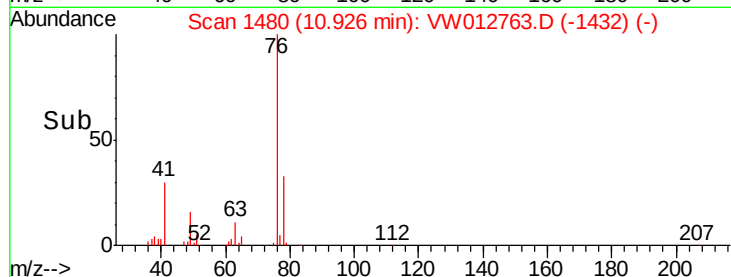
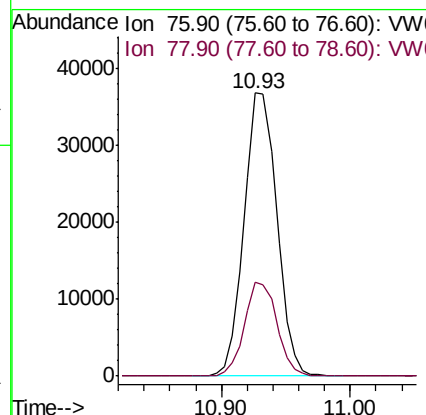
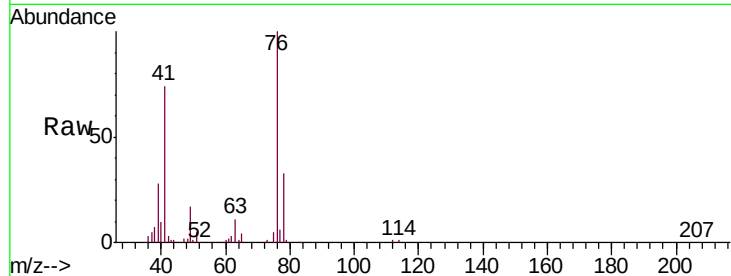




#57
 1,3-Dichloropropane
 Concen: 20.273 ug/l
 RT: 10.93 min Scan# 1480
 Delta R.T. -0.01 min
 Lab File: VW012763.D
 Acq: 08 Sep 2019 12:35

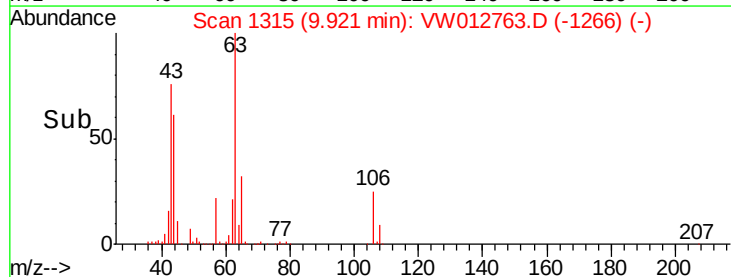
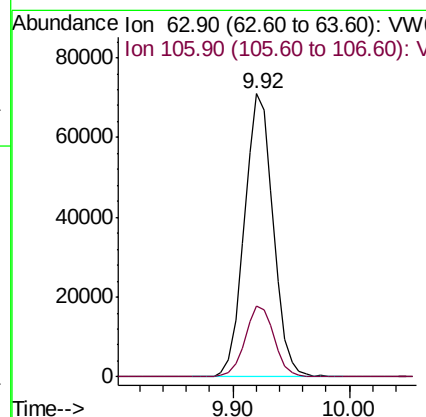
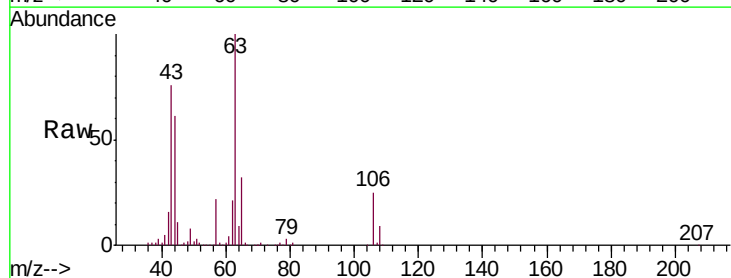
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0908SBS01

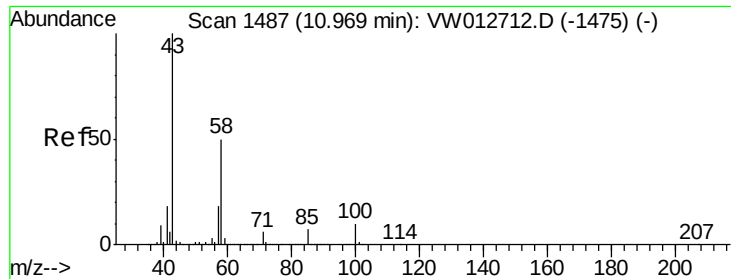
Tgt Ion: 76 Resp: 64898
 Ion Ratio Lower Upper
 76 100
 78 33.0 25.9 38.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 90.781 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW012763.D
 Acq: 08 Sep 2019 12:35

Tgt Ion: 63 Resp: 122072
 Ion Ratio Lower Upper
 63 100
 106 25.3 20.5 30.7

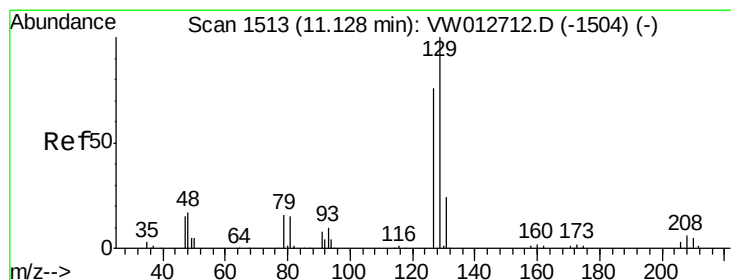
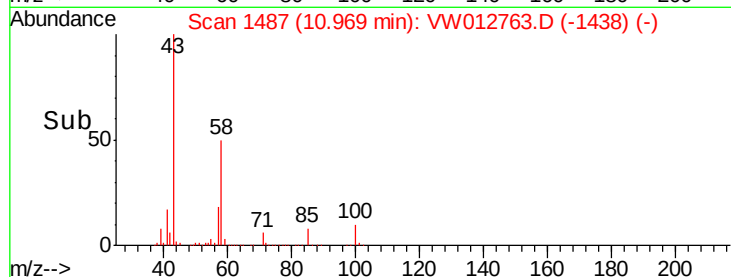
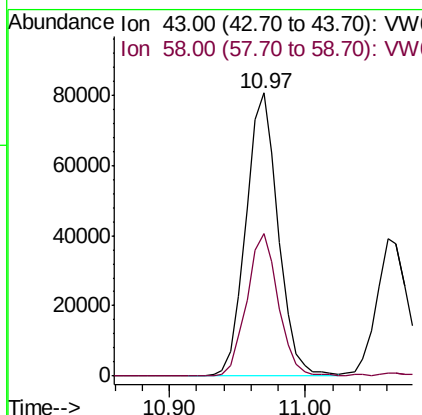
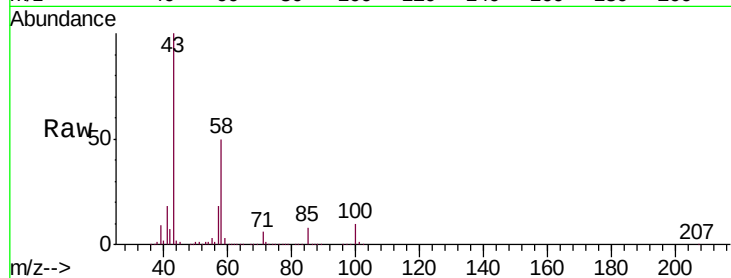




#59
2-Hexanone
Concen: 90.878 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012763.D
Acq: 08 Sep 2019 12:35

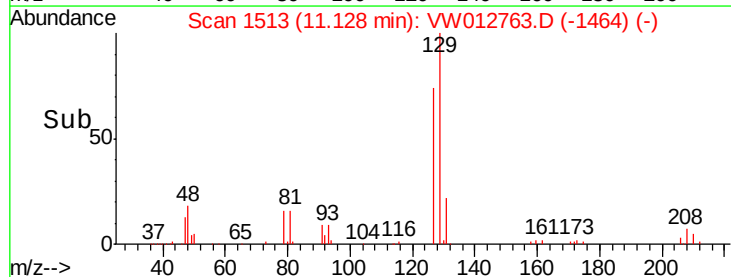
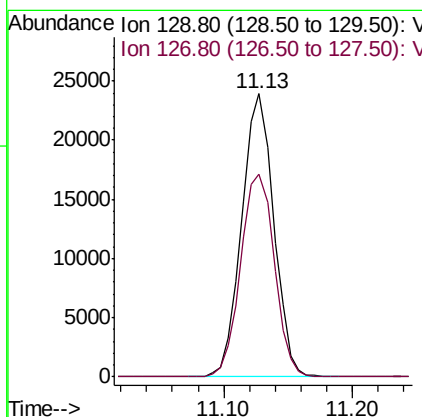
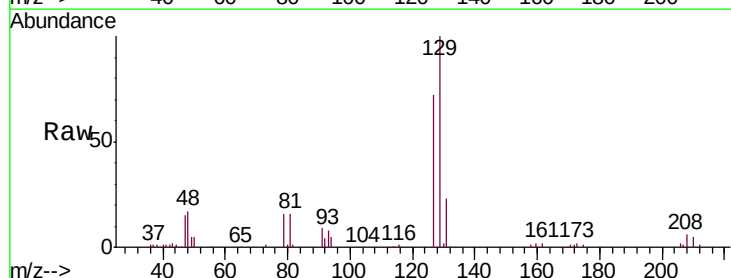
Instrument :
MSVOA_W
ClientSampleId :
VW0908SBS01

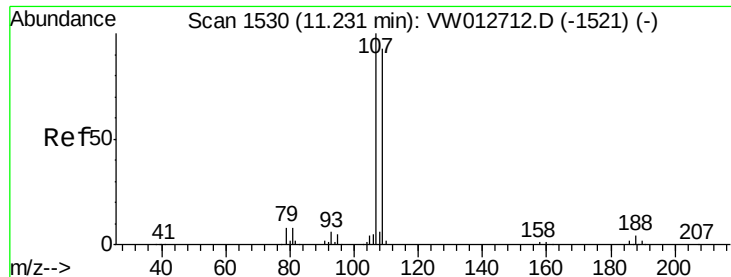
Tgt Ion: 43 Resp: 133457
Ion Ratio Lower Upper
43 100
58 49.4 24.7 74.1



#60
Dibromochloromethane
Concen: 20.185 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012763.D
Acq: 08 Sep 2019 12:35

Tgt Ion: 129 Resp: 41077
Ion Ratio Lower Upper
129 100
127 75.5 38.6 115.8

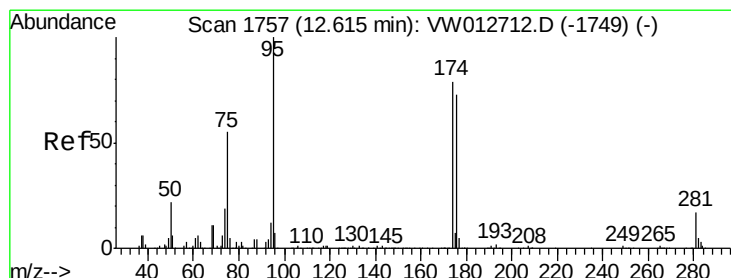
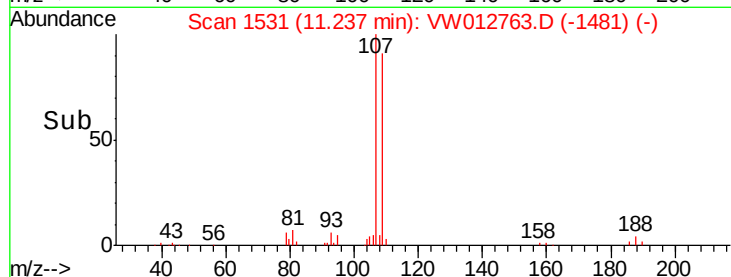
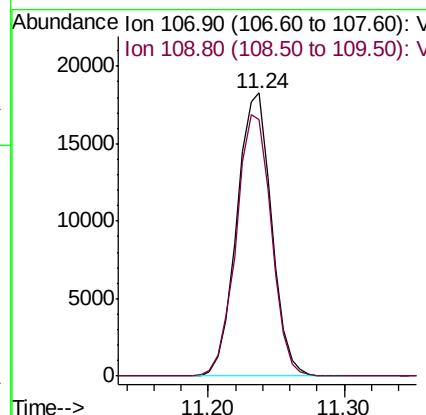
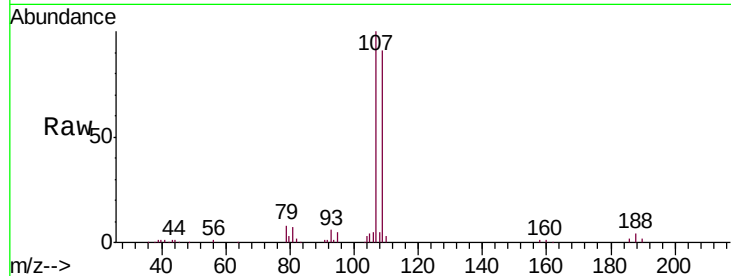




#61
 1,2-Dibromoethane
 Concen: 20.424 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.01 min
 Lab File: VW012763.D
 Acq: 08 Sep 2019 12:35

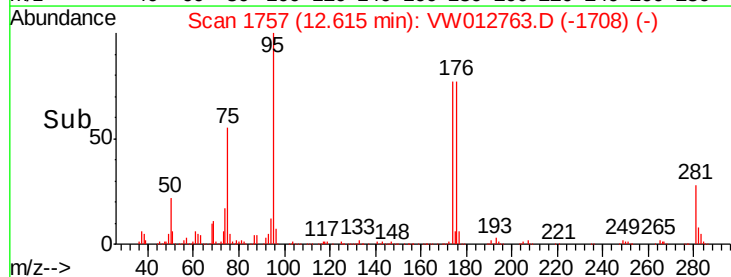
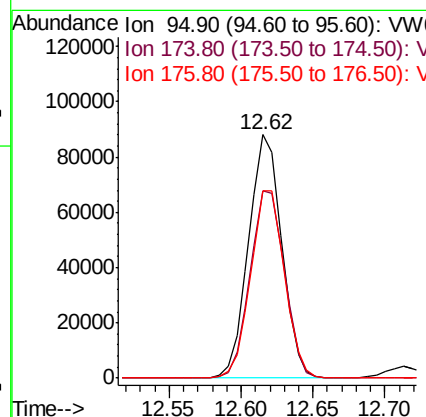
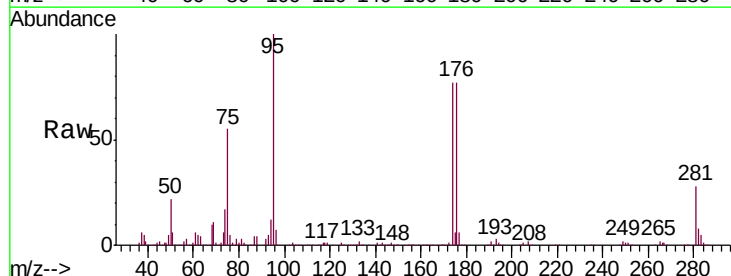
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0908SBS01

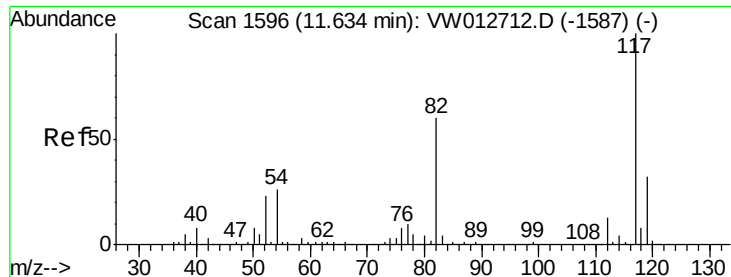
Tgt Ion: 107 Resp: 32401
 Ion Ratio Lower Upper
 107 100
 109 93.9 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 46.570 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW012763.D
 Acq: 08 Sep 2019 12:35

Tgt Ion: 95 Resp: 140572
 Ion Ratio Lower Upper
 95 100
 174 79.5 0.0 161.0
 176 78.6 0.0 156.4

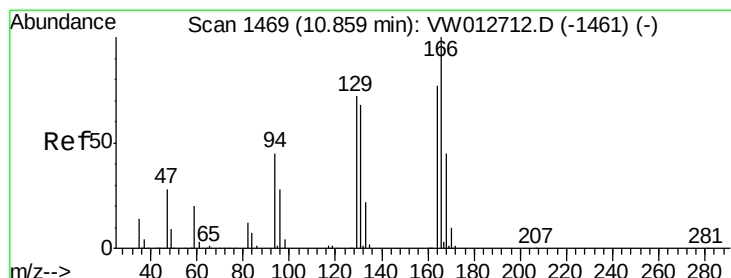
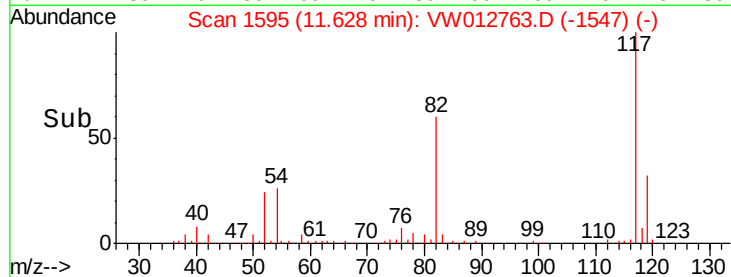
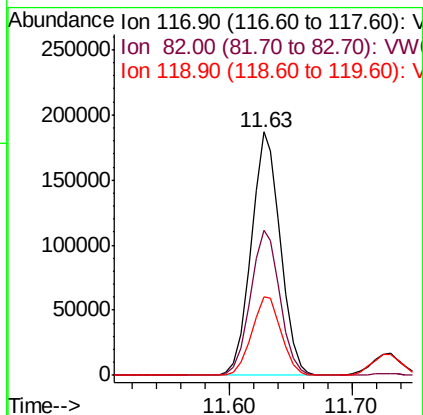
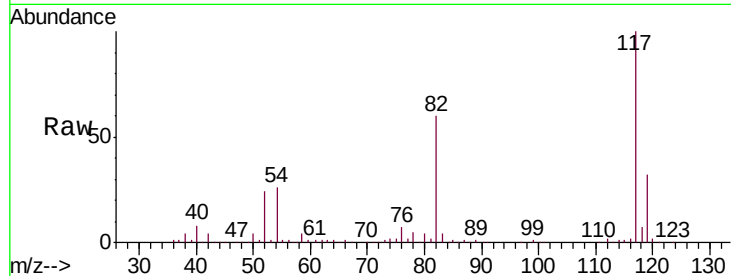




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012763.D
Acq: 08 Sep 2019 12:35

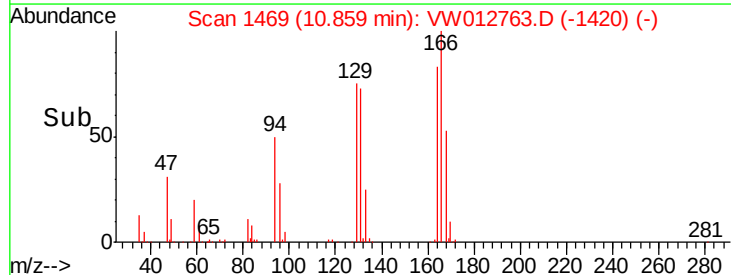
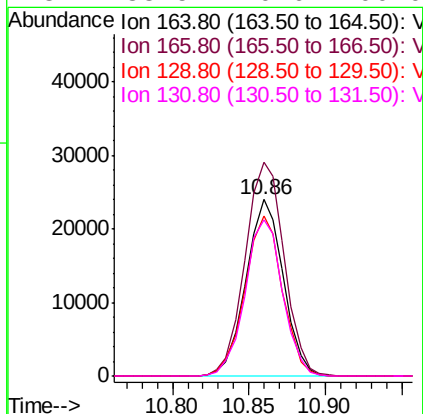
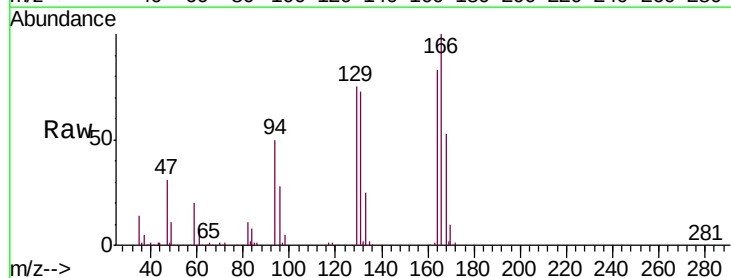
Instrument :
MSVOA_W
ClientSampleId :
VW0908SBS01

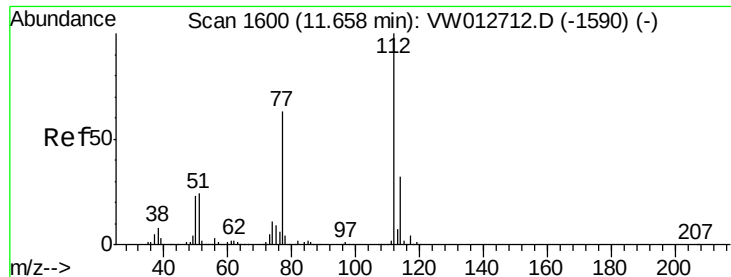
Tgt Ion:117 Resp: 308420
Ion Ratio Lower Upper
117 100
82 59.8 48.2 72.4
119 32.4 25.8 38.6



#64
Tetrachloroethene
Concen: 21.767 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012763.D
Acq: 08 Sep 2019 12:35

Tgt Ion:164 Resp: 40735
Ion Ratio Lower Upper
164 100
166 121.2 103.6 155.4
129 90.9 74.6 112.0
131 88.5 70.6 106.0

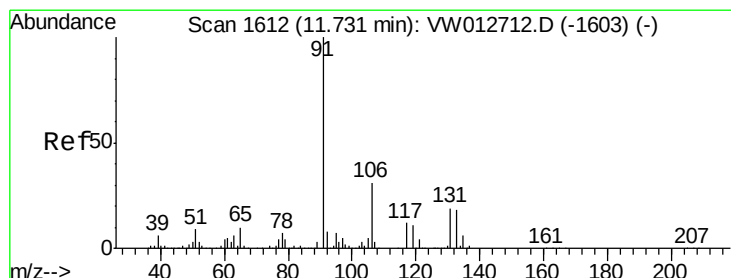
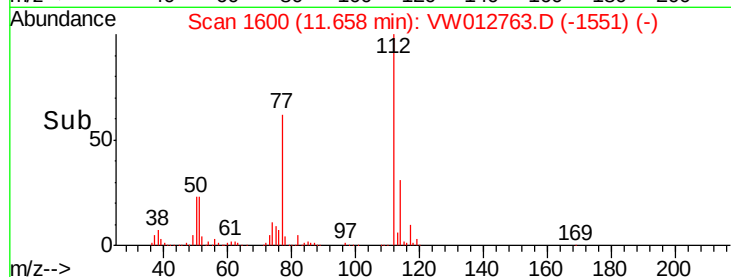
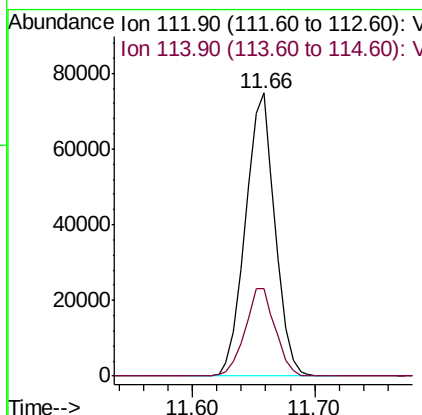
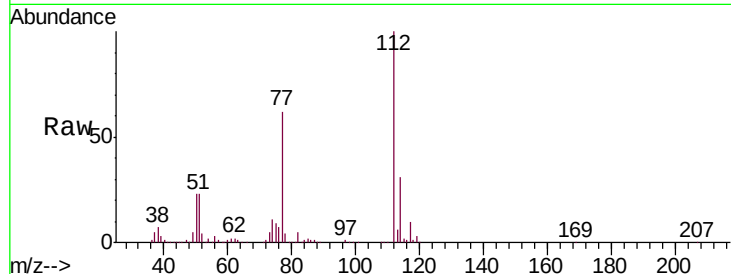




#65
Chlorobenzene
Concen: 21.468 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW012763.D
Acq: 08 Sep 2019 12:35

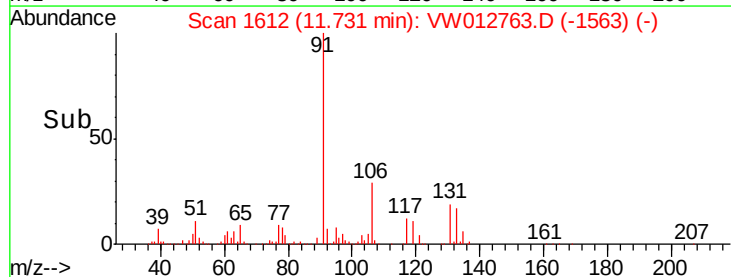
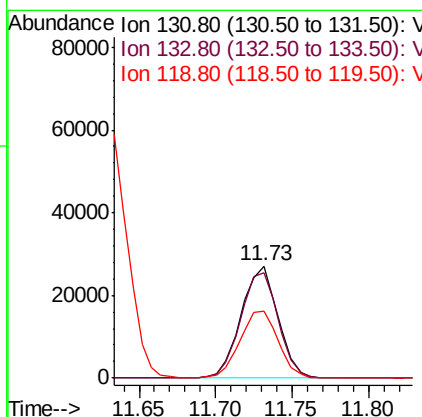
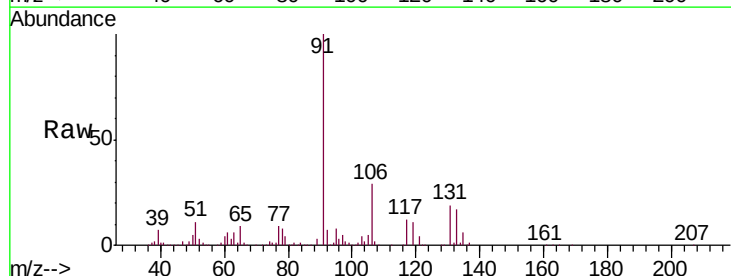
Instrument :
MSVOA_W
ClientSampleId :
VW0908SBS01

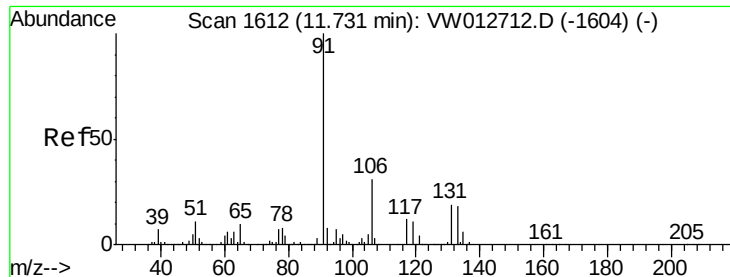
Tgt Ion:112 Resp: 125143
Ion Ratio Lower Upper
112 100
114 30.8 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 20.877 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012763.D
Acq: 08 Sep 2019 12:35

Tgt Ion:131 Resp: 45321
Ion Ratio Lower Upper
131 100
133 96.3 47.6 142.8
119 62.6 30.6 92.0

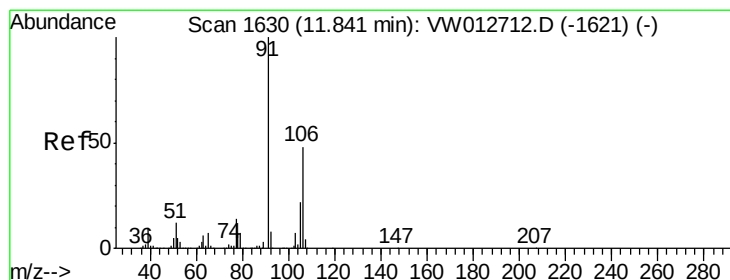
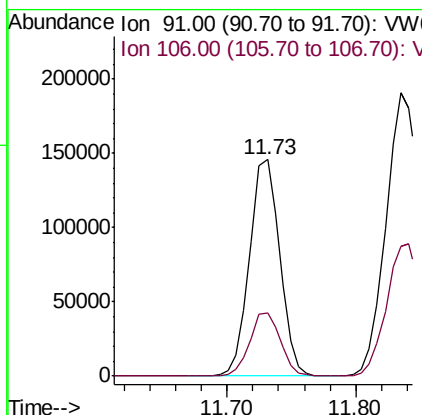
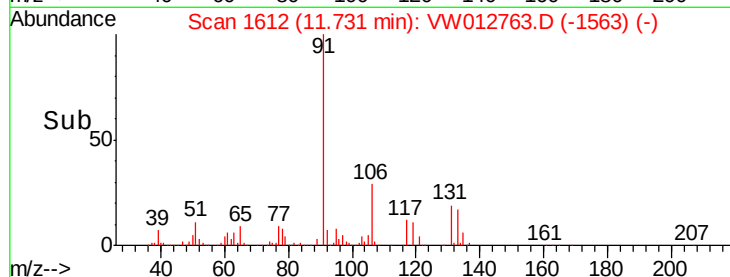
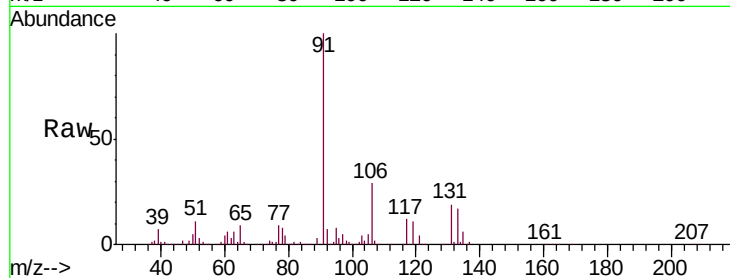




#67
Ethyl Benzene
Concen: 21.566 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012763.D
Acq: 08 Sep 2019 12:35

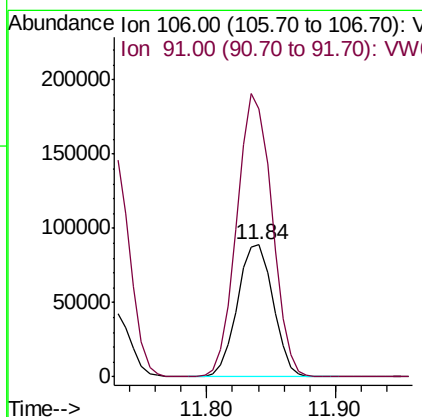
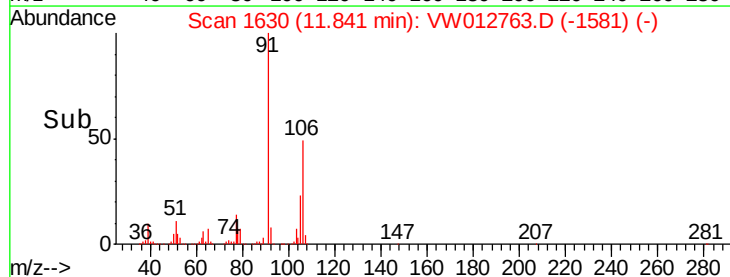
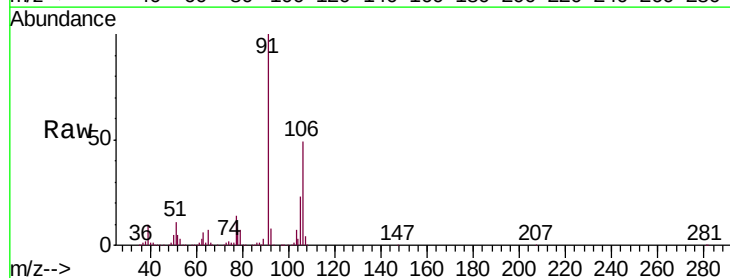
Instrument :
MSVOA_W
ClientSampleId :
VW0908SBS01

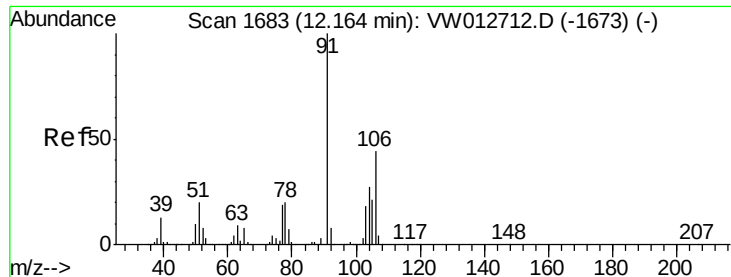
Tgt Ion: 91 Resp: 235868
Ion Ratio Lower Upper
91 100
106 29.4 24.4 36.6



#68
m/p-Xylenes
Concen: 43.443 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW012763.D
Acq: 08 Sep 2019 12:35

Tgt Ion: 106 Resp: 171505
Ion Ratio Lower Upper
106 100
91 211.1 168.2 252.4

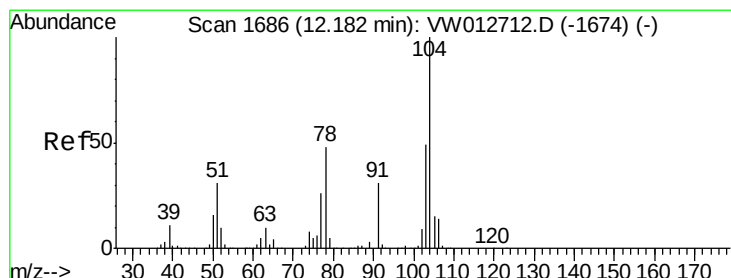
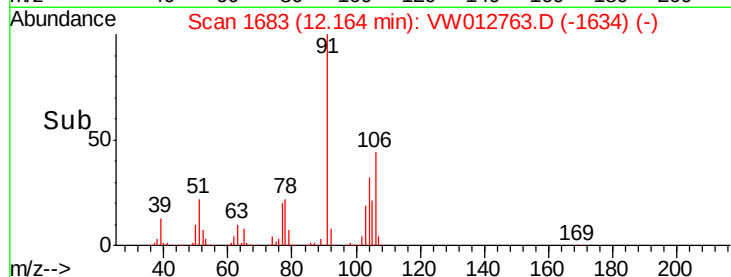
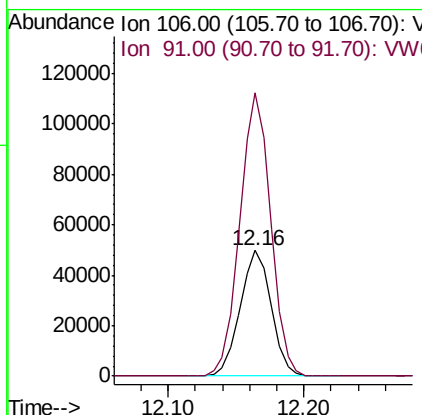
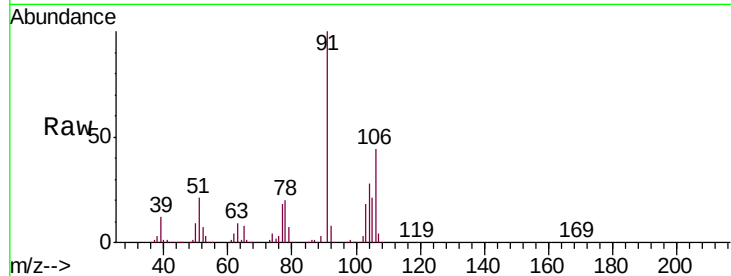




#69
o-Xylene
Concen: 21.404 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012763.D
Acq: 08 Sep 2019 12:35

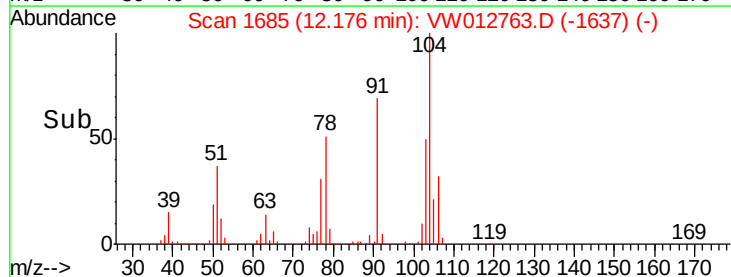
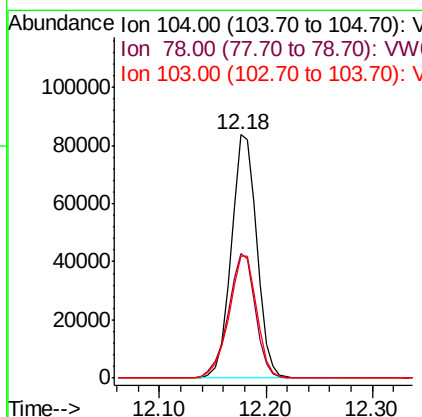
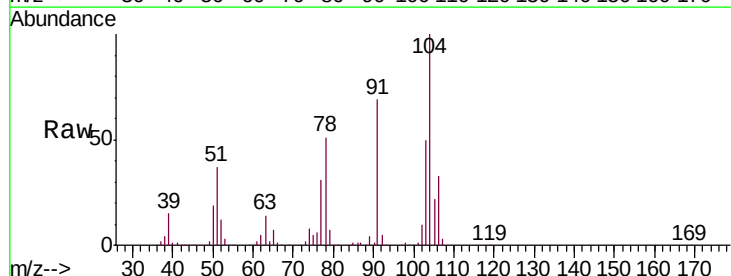
Instrument :
MSVOA_W
ClientSampleId :
VW0908SBS01

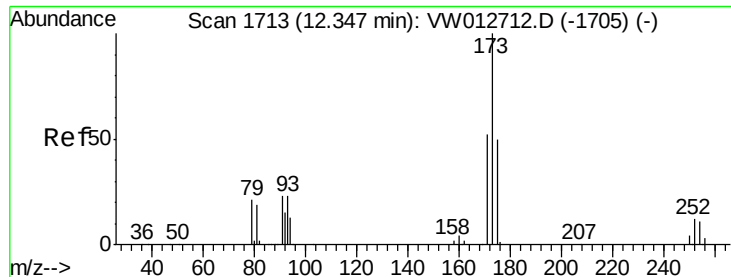
Tgt Ion:106 Resp: 79719
Ion Ratio Lower Upper
106 100
91 222.8 112.3 336.8



#70
Styrene
Concen: 21.425 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VW012763.D
Acq: 08 Sep 2019 12:35

Tgt Ion:104 Resp: 141002
Ion Ratio Lower Upper
104 100
78 54.3 43.3 64.9
103 54.6 44.0 66.0





#71

Bromoform

Concen: 19.485 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW012763.D

Acq: 08 Sep 2019 12:35

Instrument :

MSVOA_W

ClientSampleId :

VW0908SBS01

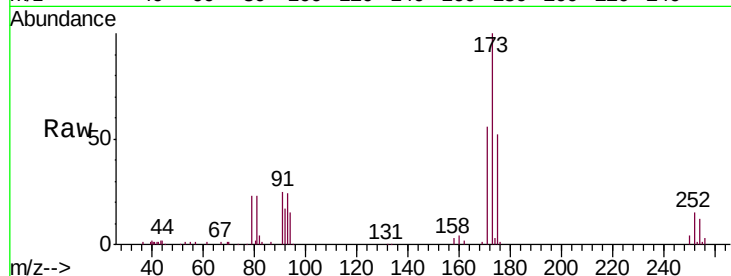
Tgt Ion:173 Resp: 23501

Ion Ratio Lower Upper

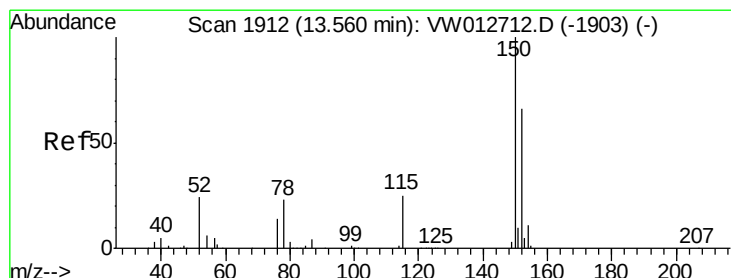
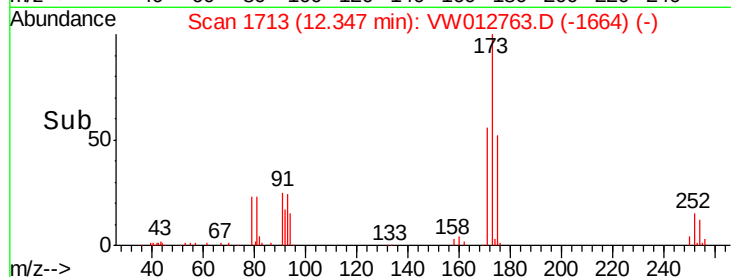
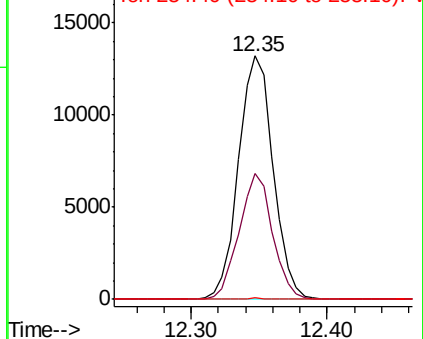
173 100

175 49.7 24.8 74.3

254 0.3 0.1 0.1#



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: 13.55 min Scan# 1911

Delta R.T. -0.01 min

Lab File: VW012763.D

Acq: 08 Sep 2019 12:35

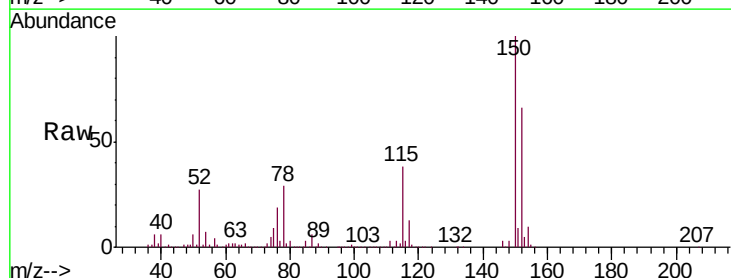
Tgt Ion:152 Resp: 159209

Ion Ratio Lower Upper

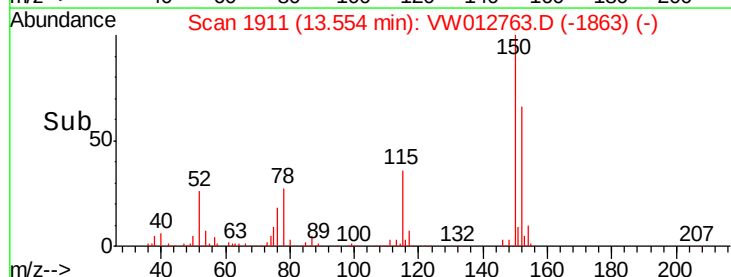
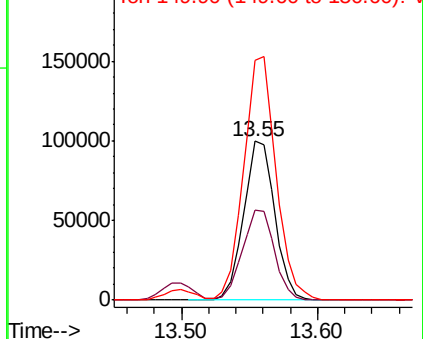
152 100

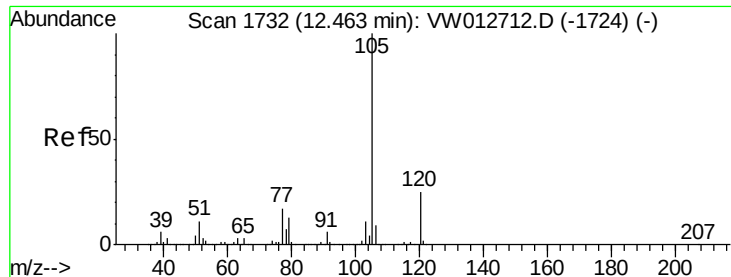
115 58.7 30.0 90.1

150 159.7 0.0 349.0



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: 20.221 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW012763.D

Acq: 08 Sep 2019 12:35

Instrument :

MSVOA_W

ClientSampleId :

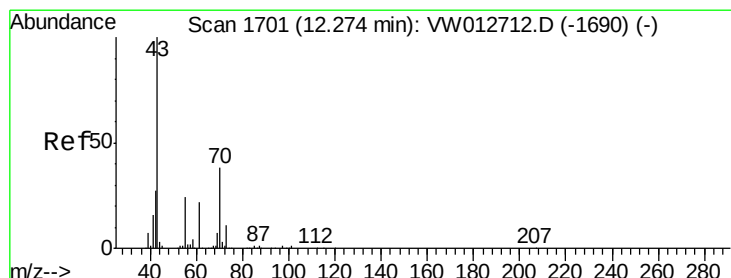
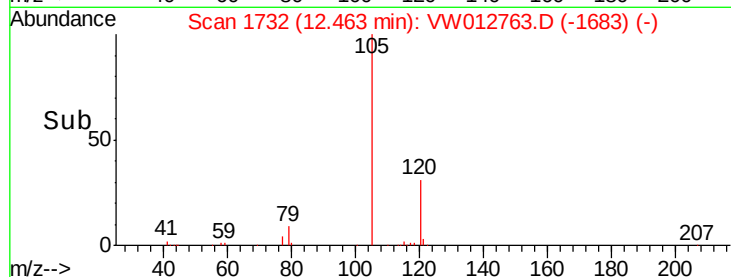
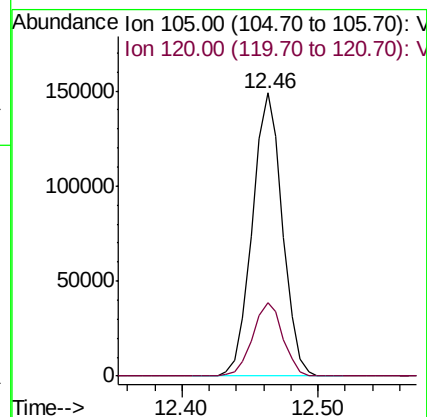
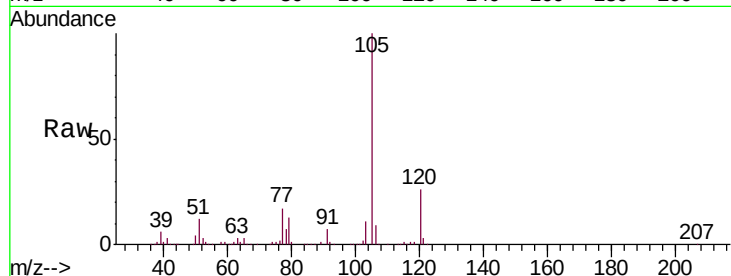
VW0908SBS01

Tgt Ion: 105 Resp: 230901

Ion Ratio Lower Upper

105 100

120 26.0 13.0 38.9



#74

N-ethyl acetate

Concen: 18.190 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW012763.D

Acq: 08 Sep 2019 12:35

Tgt Ion: 43 Resp: 65929

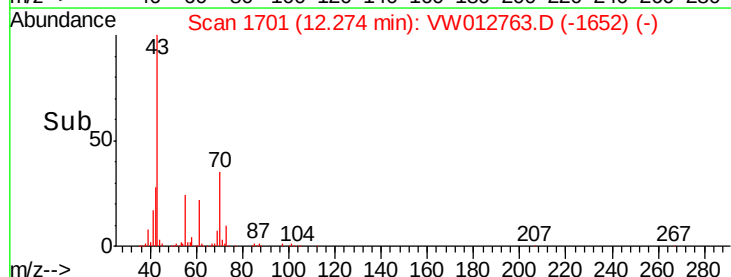
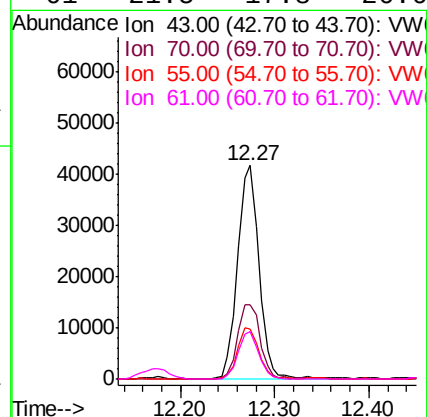
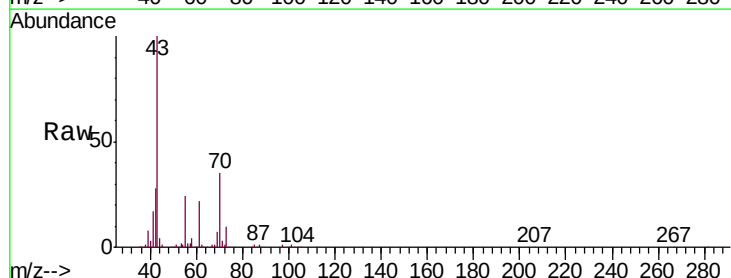
Ion Ratio Lower Upper

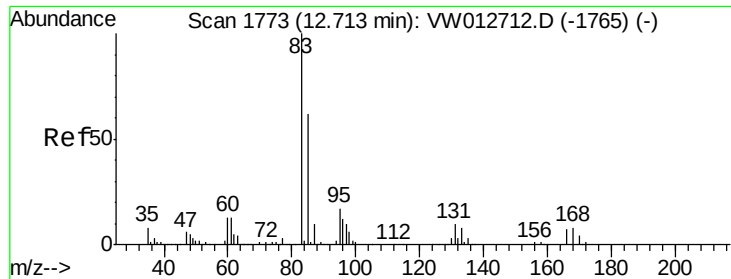
43 100

70 36.9 29.4 44.0

55 24.0 18.6 27.8

61 21.5 17.8 26.6





#75

1,1,2,2-Tetrachloroethane

Concen: 18.573 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012763.D

Acq: 08 Sep 2019 12:35

Instrument :

MSVOA_W

ClientSampleId :

VW0908SBS01

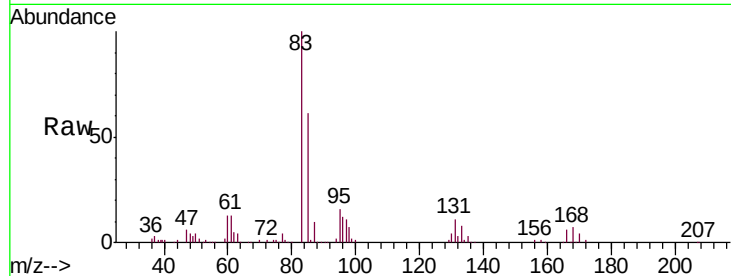
Tgt Ion: 83 Resp: 42593

Ion Ratio Lower Upper

83 100

131 10.7 5.1 15.4

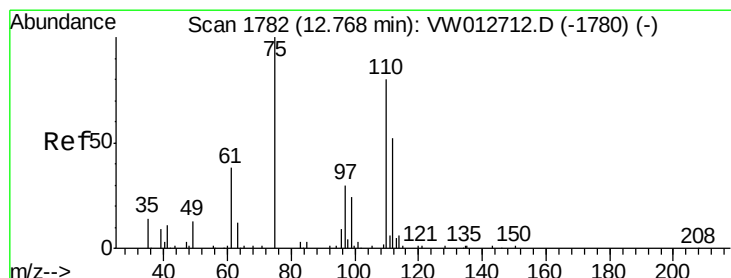
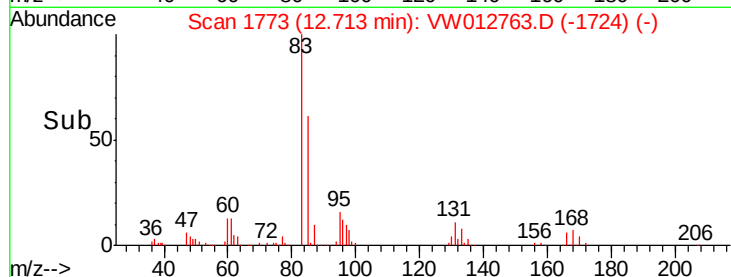
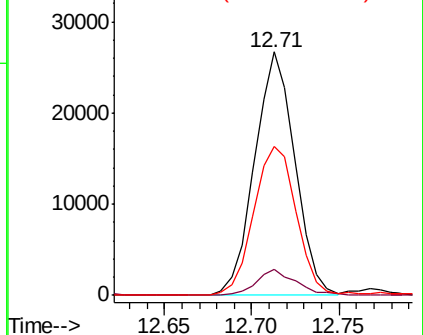
85 64.9 31.4 94.2



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 34.864 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW012763.D

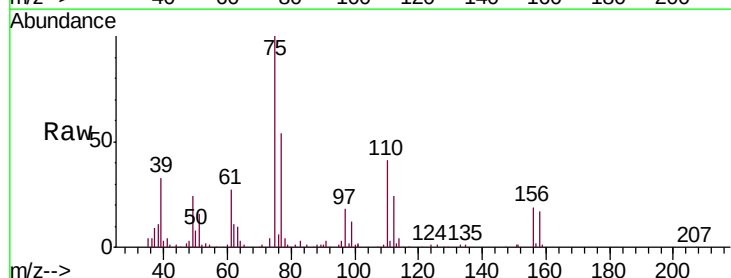
Acq: 08 Sep 2019 12:35

Tgt Ion: 75 Resp: 56758

Ion Ratio Lower Upper

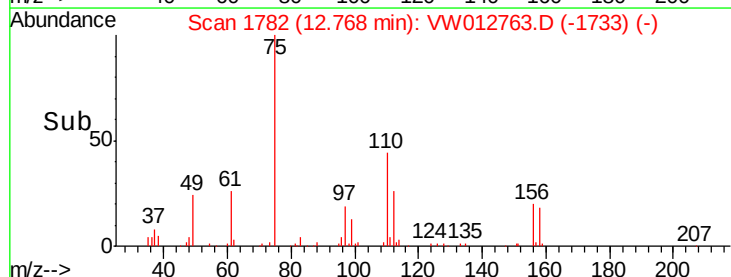
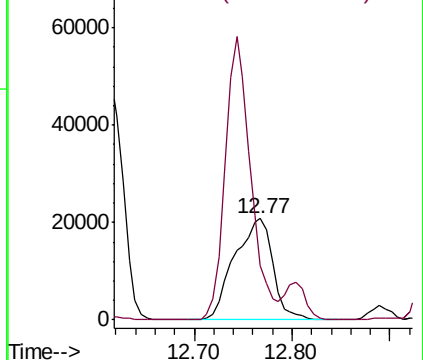
75 100

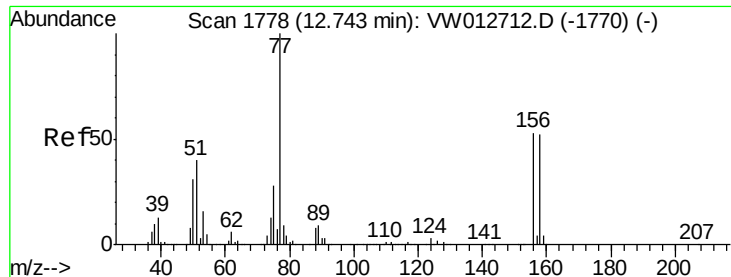
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 20.260 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW012763.D

Acq: 08 Sep 2019 12:35

Instrument :

MSVOA_W

ClientSampleId :

VW0908SBS01

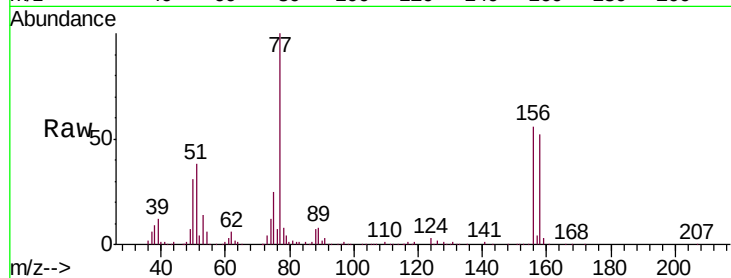
Tgt Ion:156 Resp: 52414

Ion Ratio Lower Upper

156 100

77 201.9 102.3 306.9

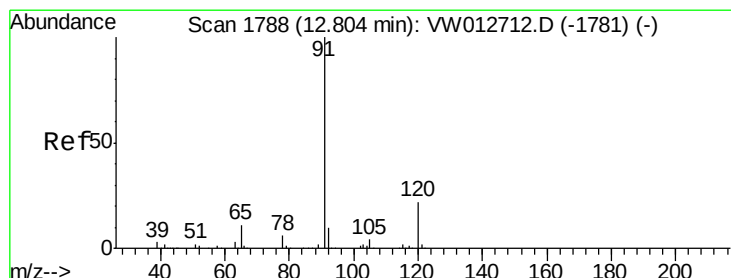
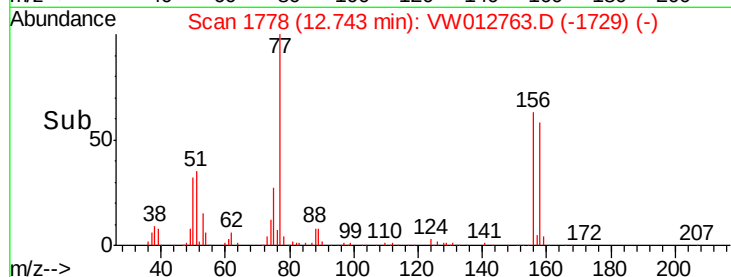
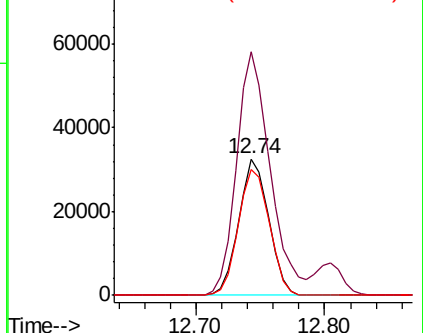
158 95.8 48.9 146.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.497 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW012763.D

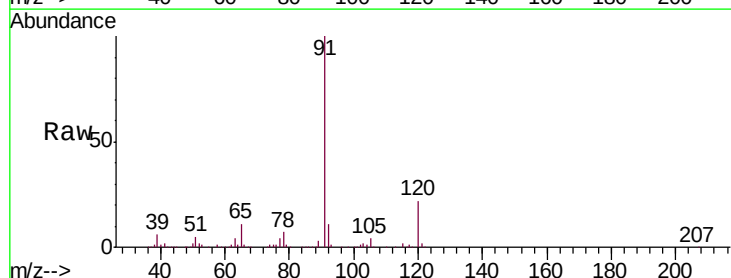
Acq: 08 Sep 2019 12:35

Tgt Ion: 91 Resp: 279924

Ion Ratio Lower Upper

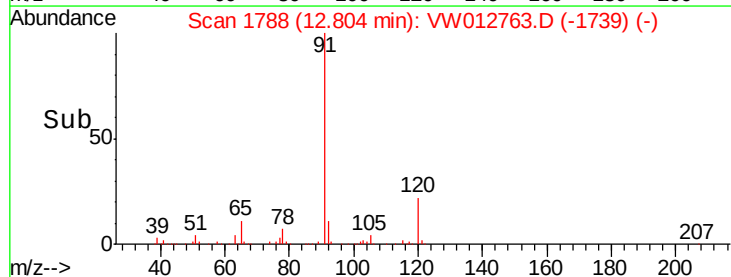
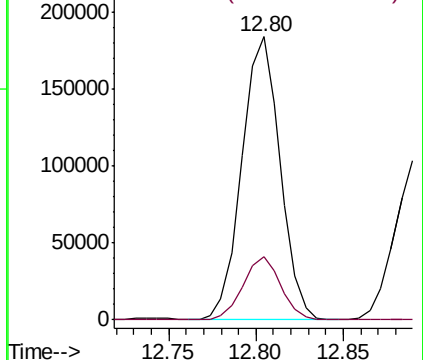
91 100

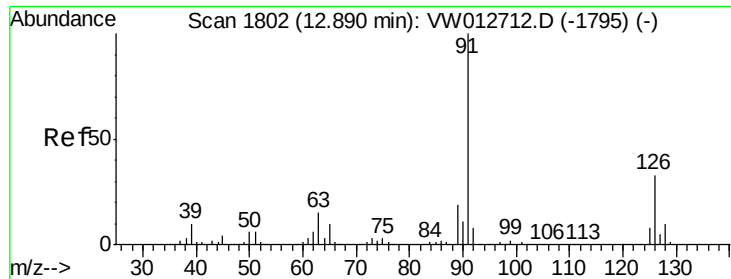
120 21.9 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.409 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW012763.D

Acq: 08 Sep 2019 12:35

Instrument :

MSVOA_W

ClientSampleId :

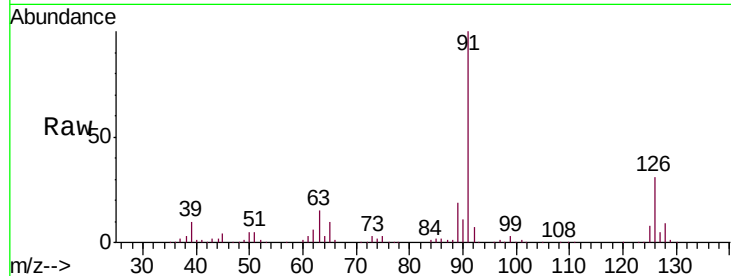
VW0908SBS01

Tgt Ion: 91 Resp: 160008

Ion Ratio Lower Upper

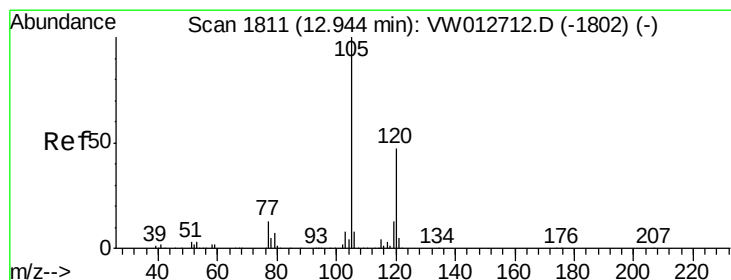
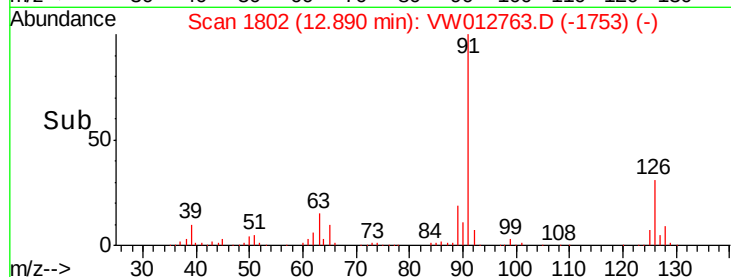
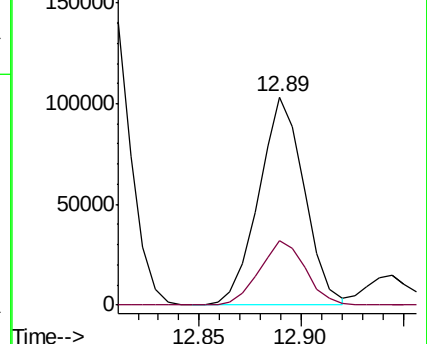
91 100

126 31.4 16.1 48.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.575 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW012763.D

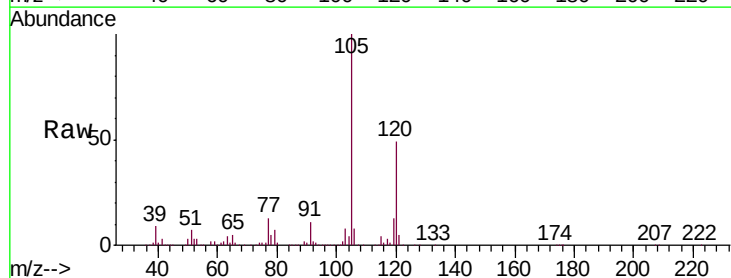
Acq: 08 Sep 2019 12:35

Tgt Ion: 105 Resp: 197977

Ion Ratio Lower Upper

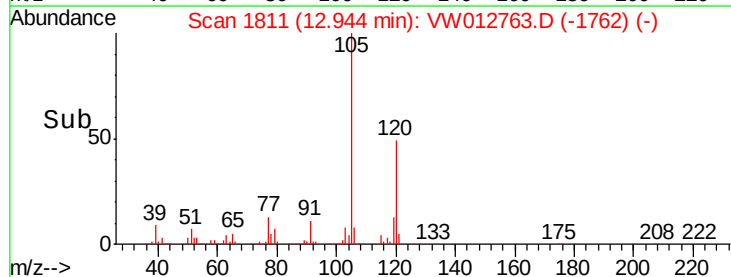
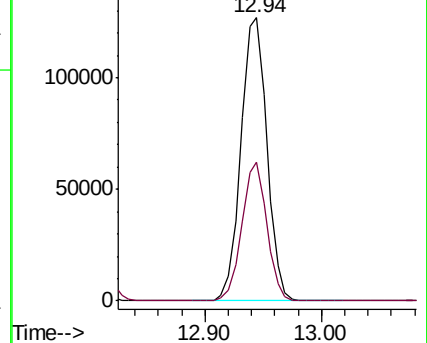
105 100

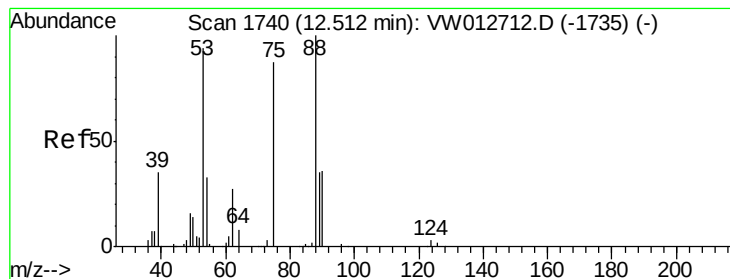
120 47.2 23.9 71.8



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: 16.222 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW012763.D

Acq: 08 Sep 2019 12:35

Instrument :

MSVOA_W

ClientSampleId :

VW0908SBS01

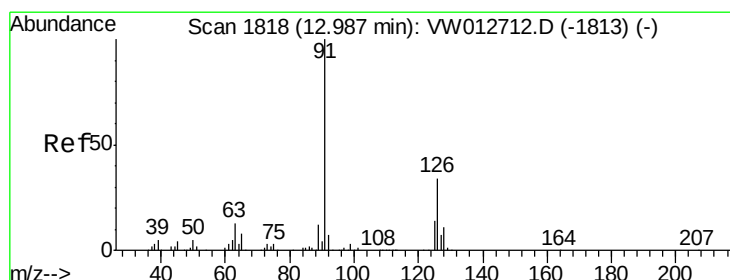
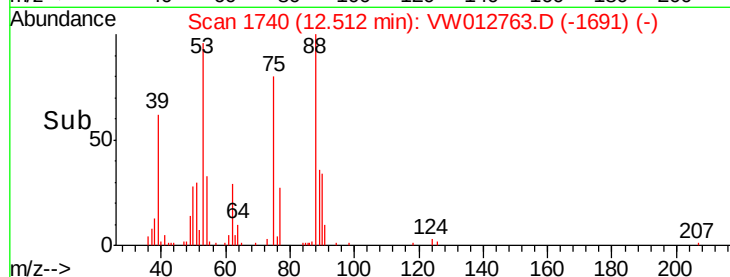
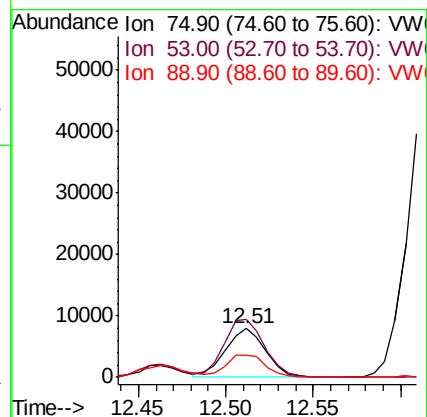
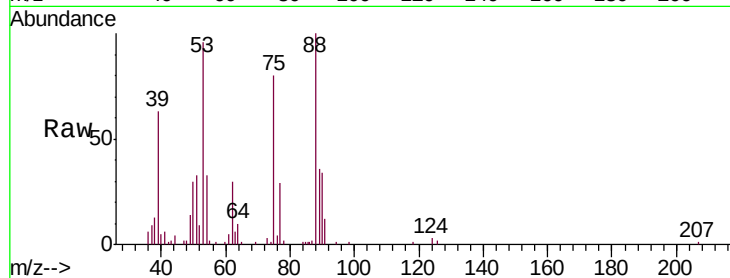
Tgt Ion: 75 Resp: 12486

Ion Ratio Lower Upper

75 100

53 120.5 87.6 131.4

89 46.2 35.5 53.3



#82

4-Chlorotoluene

Concen: 20.380 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW012763.D

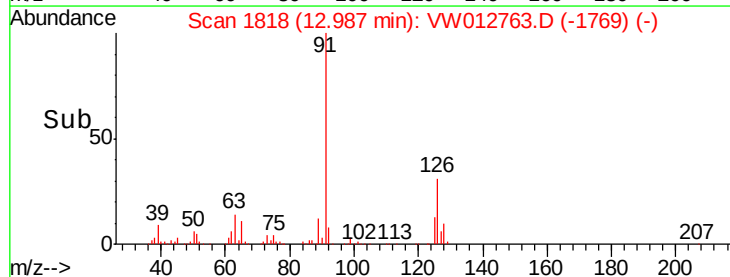
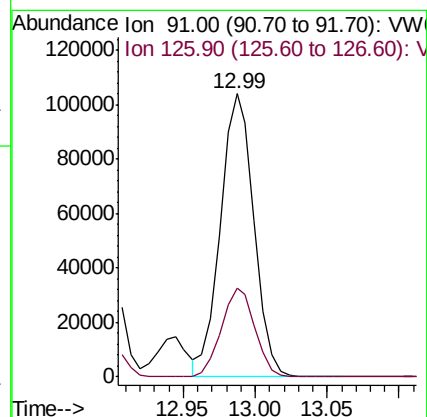
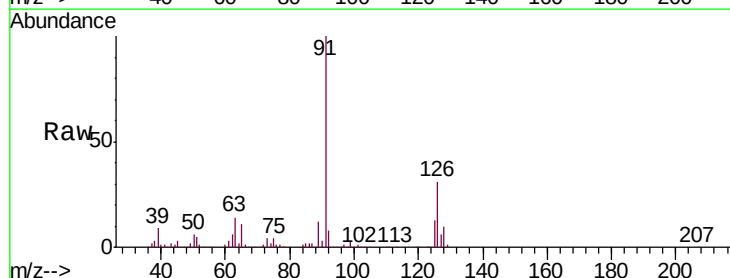
Acq: 08 Sep 2019 12:35

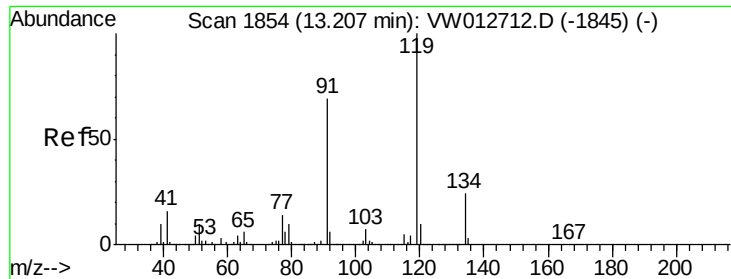
Tgt Ion: 91 Resp: 169014

Ion Ratio Lower Upper

91 100

126 31.5 15.9 47.6

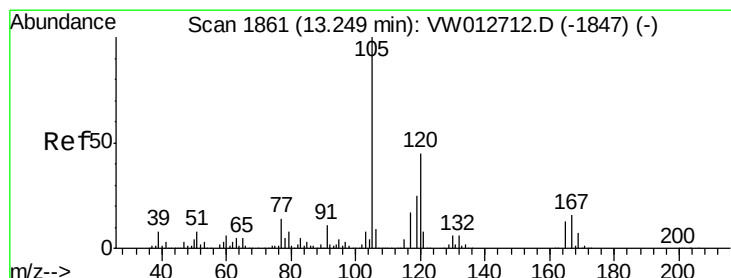
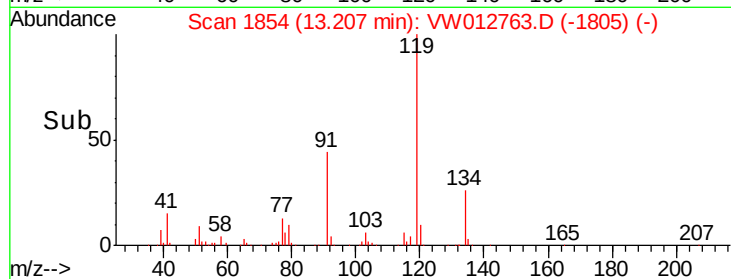
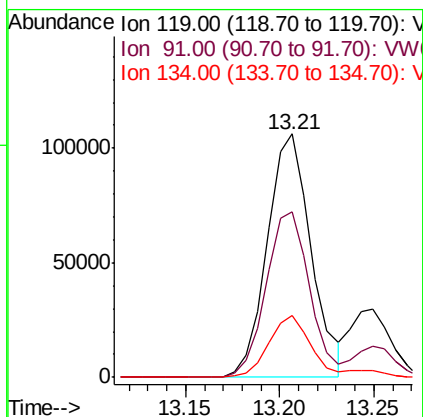
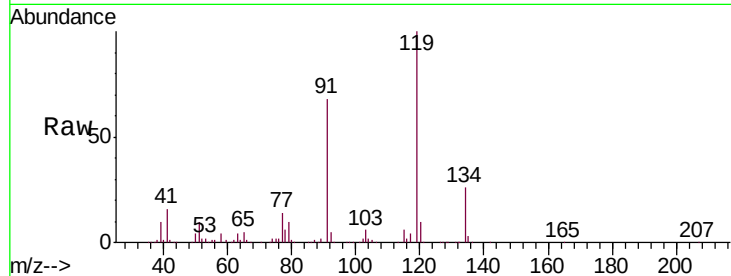




#83
 tert-Butylbenzene
 Concen: 20.148 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW012763.D
 Acq: 08 Sep 2019 12:35

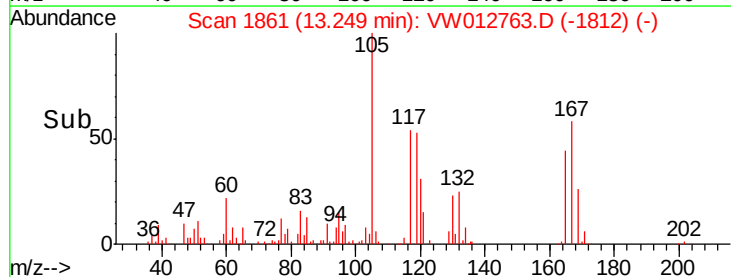
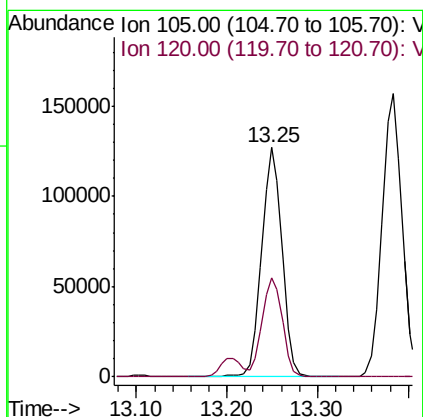
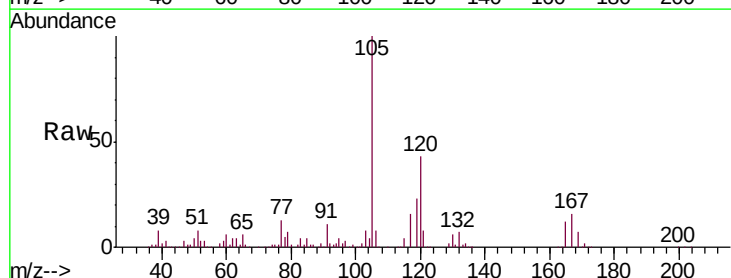
Instrument :
 MSVOA_W
 ClientSampled :
 VW0908SBS01

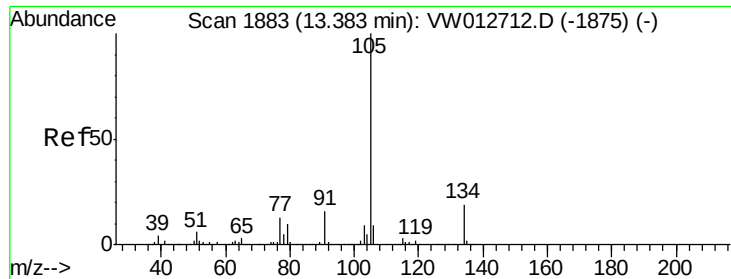
Tgt Ion:119 Resp: 171413
 Ion Ratio Lower Upper
 119 100
 91 67.4 34.2 102.5
 134 26.5 12.3 36.9



#84
 1,2,4-Trimethylbenzene
 Concen: 20.433 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW012763.D
 Acq: 08 Sep 2019 12:35

Tgt Ion:105 Resp: 198111
 Ion Ratio Lower Upper
 105 100
 120 42.5 22.1 66.3

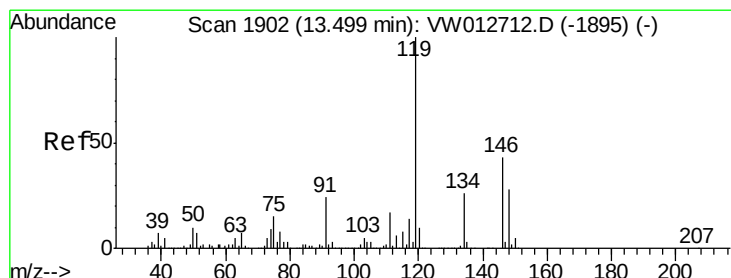
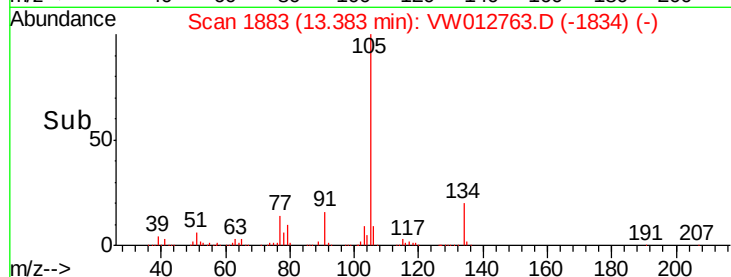
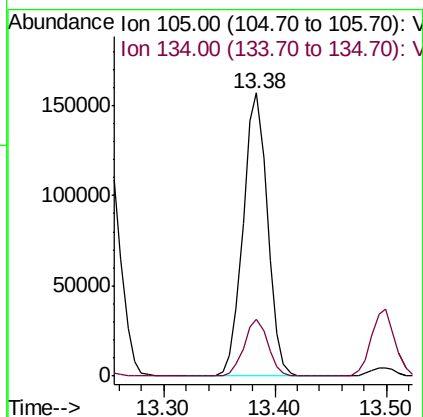
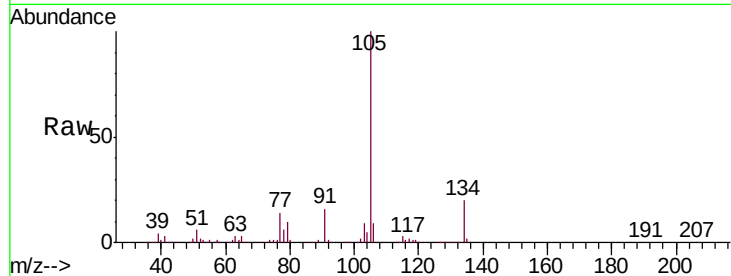




#85
 sec-Butylbenzene
 Concen: 20.220 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW012763.D
 Acq: 08 Sep 2019 12:35

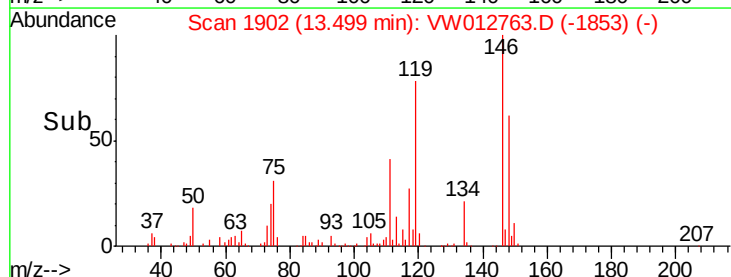
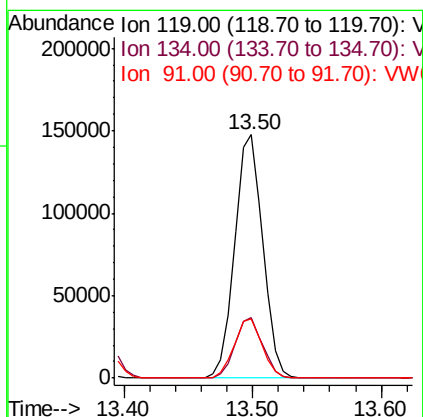
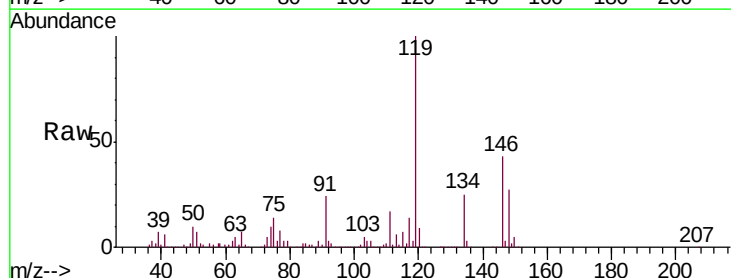
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0908SBS01

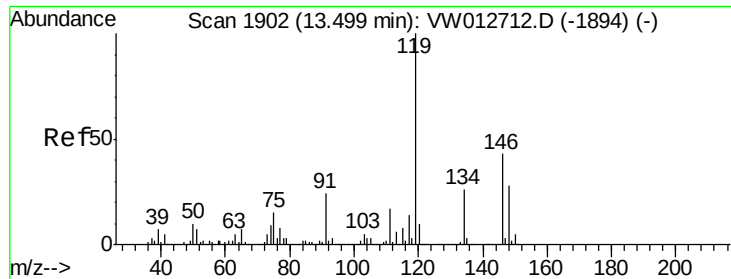
Tgt Ion:105 Resp: 238717
 Ion Ratio Lower Upper
 105 100
 134 19.8 9.8 29.3



#86
 p-Isopropyltoluene
 Concen: 20.649 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012763.D
 Acq: 08 Sep 2019 12:35

Tgt Ion:119 Resp: 222677
 Ion Ratio Lower Upper
 119 100
 134 24.7 12.7 38.1
 91 24.5 12.2 36.6

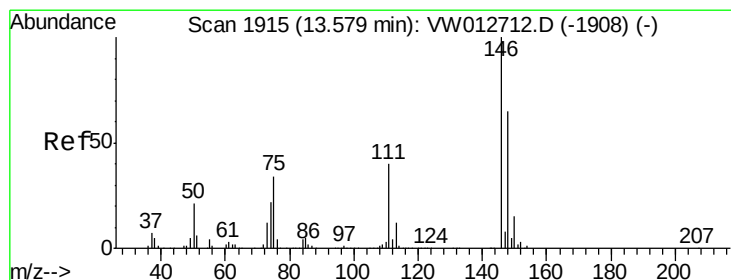
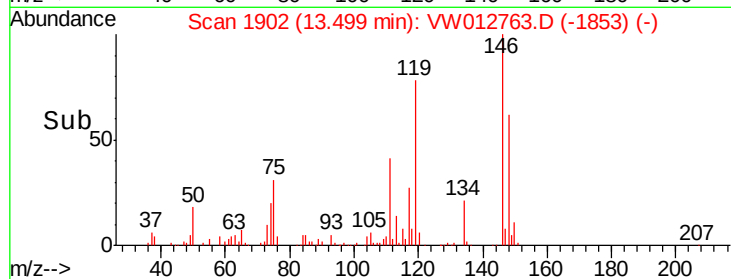
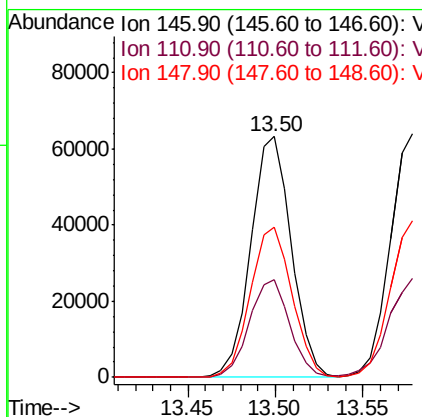
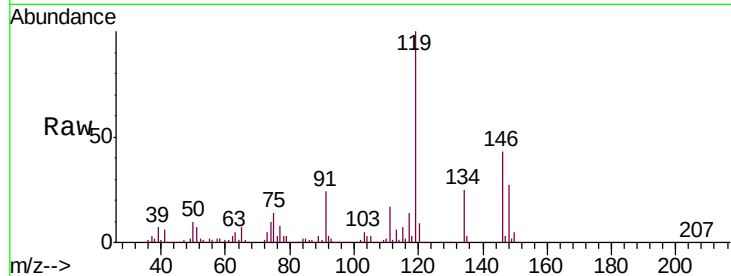




#87
 1,3-Dichlorobenzene
 Concen: 20.179 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012763.D
 Acq: 08 Sep 2019 12:35

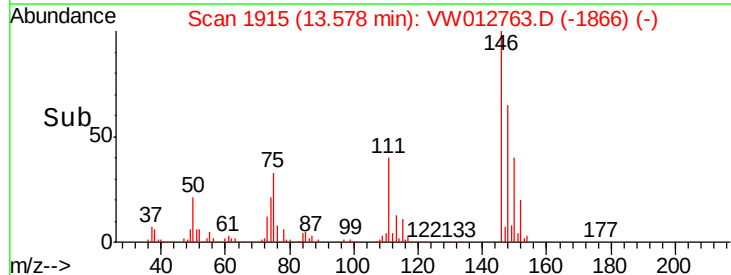
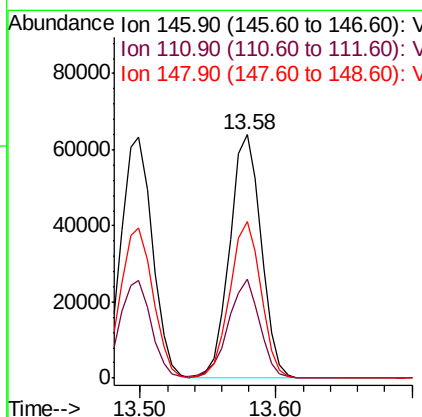
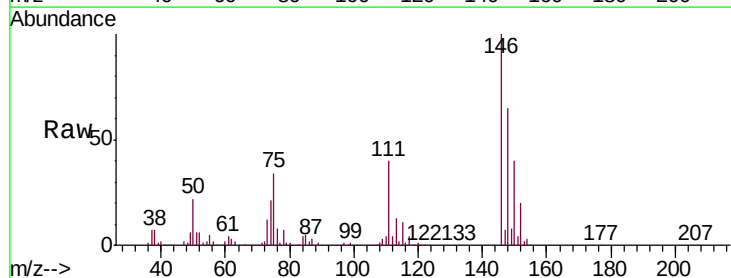
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0908SBS01

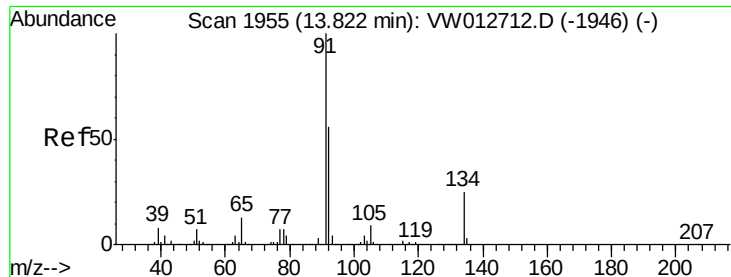
Tgt Ion:146 Resp: 102612
 Ion Ratio Lower Upper
 146 100
 111 40.7 20.4 61.2
 148 64.3 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 20.364 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW012763.D
 Acq: 08 Sep 2019 12:35

Tgt Ion:146 Resp: 103038
 Ion Ratio Lower Upper
 146 100
 111 40.8 20.0 60.0
 148 63.9 32.2 96.6





#89

n-Butylbenzene

Concen: 20.449 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW012763.D

Acq: 08 Sep 2019 12:35

Instrument :

MSVOA_W

ClientSampleId :

VW0908SBS01

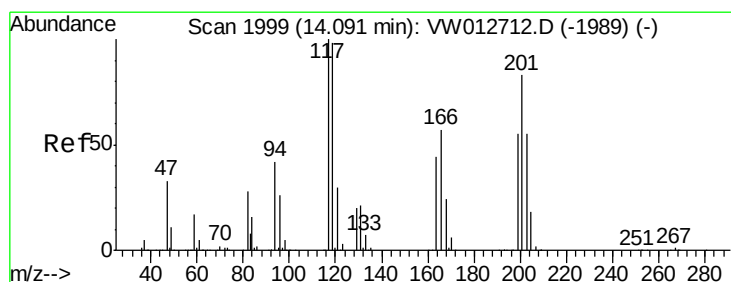
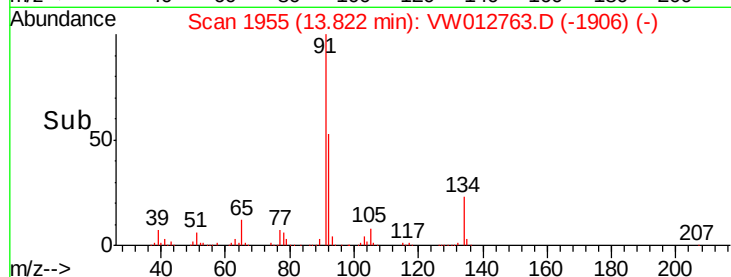
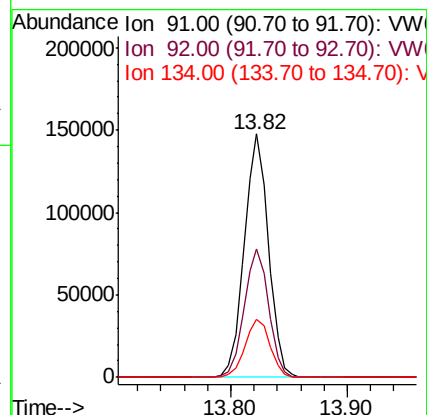
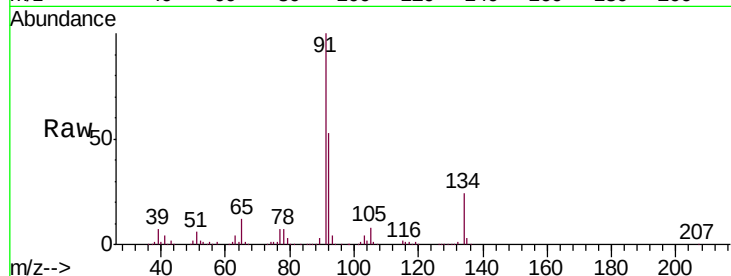
Tgt Ion: 91 Resp: 214086

Ion Ratio Lower Upper

91 100

92 53.2 27.2 81.5

134 24.6 12.7 38.1



#90

Hexachloroethane

Concen: 19.974 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW012763.D

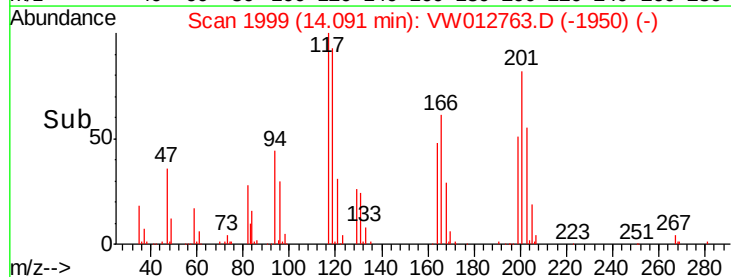
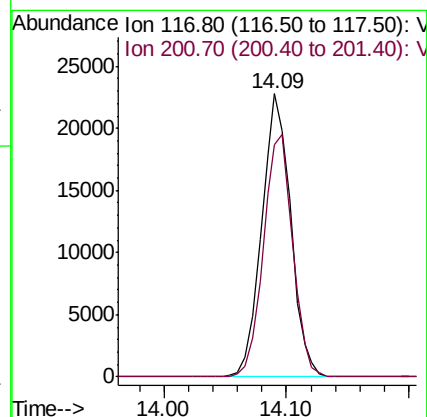
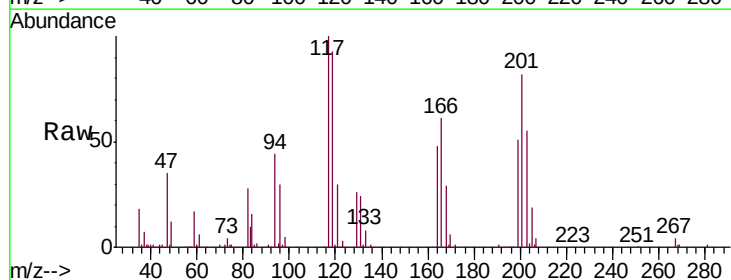
Acq: 08 Sep 2019 12:35

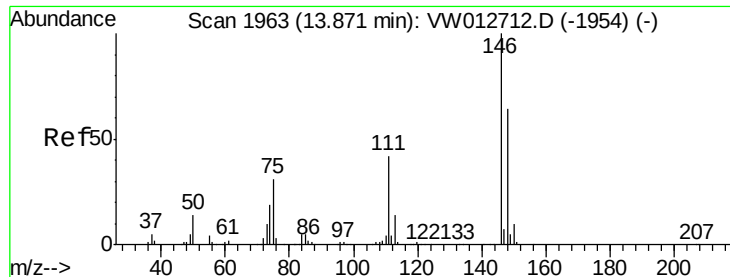
Tgt Ion: 117 Resp: 37601

Ion Ratio Lower Upper

117 100

201 86.0 42.8 128.4

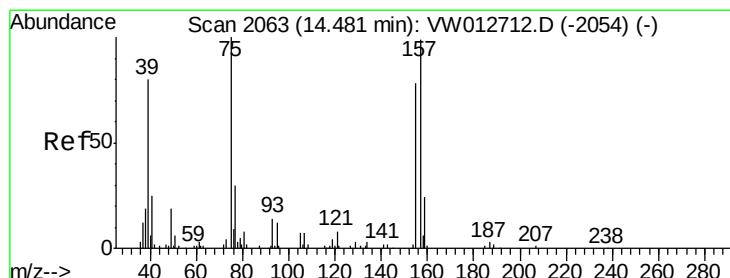
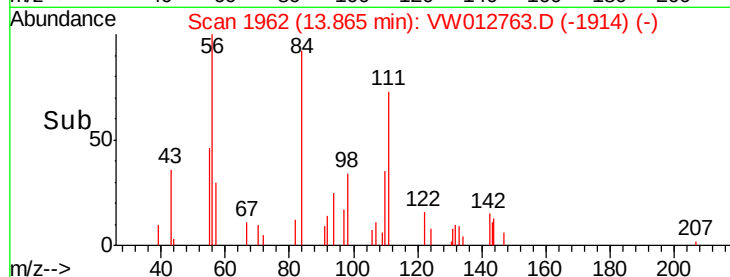
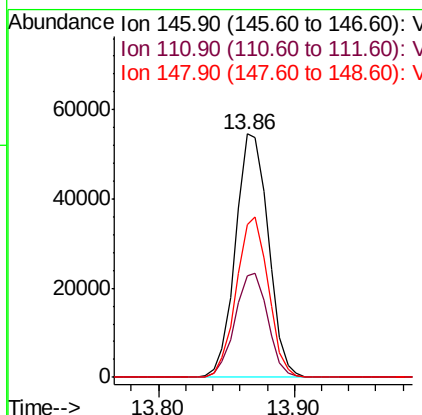
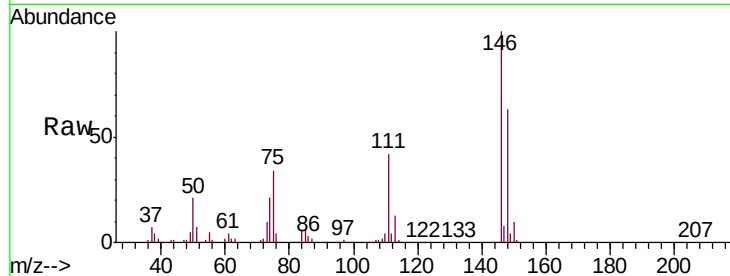




#91
 1,2-Dichlorobenzene
 Concen: 20.138 ug/l
 RT: 13.86 min Scan# 1962
 Delta R.T. -0.01 min
 Lab File: VW012763.D
 Acq: 08 Sep 2019 12:35

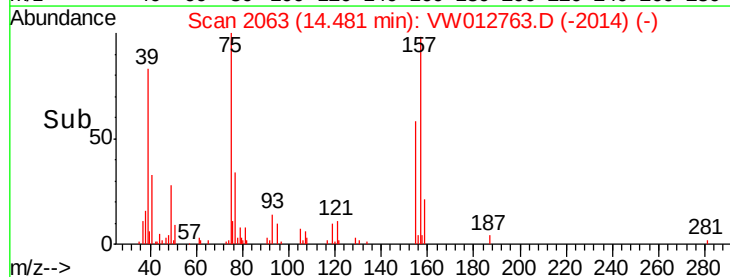
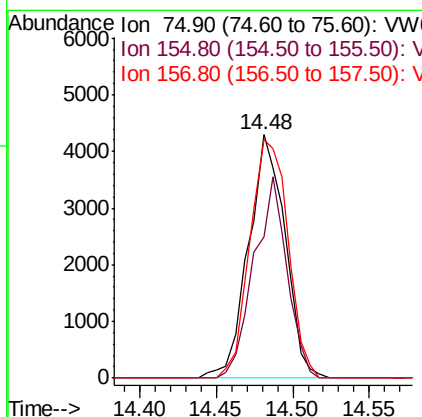
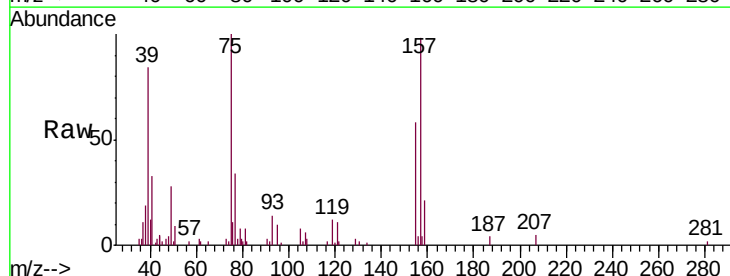
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0908SBS01

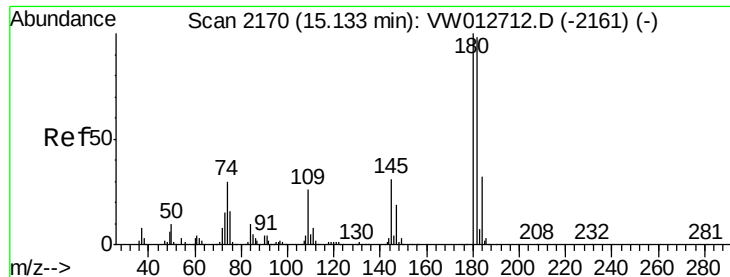
Tgt Ion:146 Resp: 92170
 Ion Ratio Lower Upper
 146 100
 111 42.5 21.3 63.9
 148 63.9 32.1 96.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.006 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW012763.D
 Acq: 08 Sep 2019 12:35

Tgt Ion: 75 Resp: 7137
 Ion Ratio Lower Upper
 75 100
 155 74.6 40.6 122.0
 157 102.3 52.5 157.5

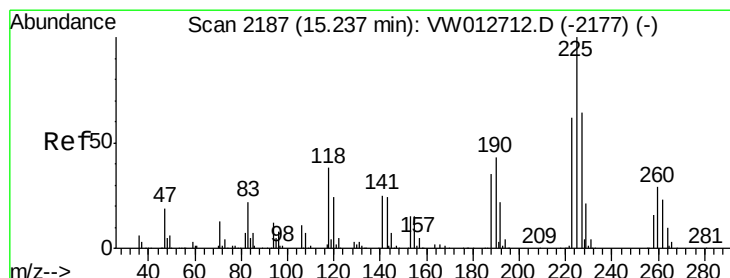
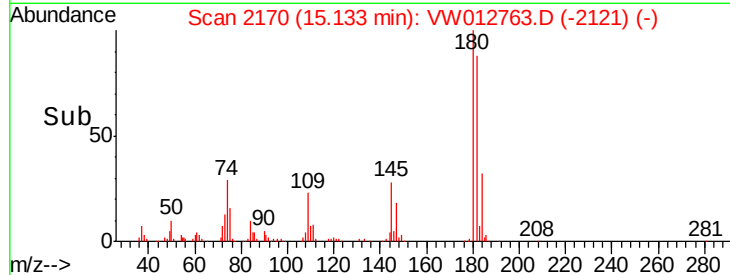
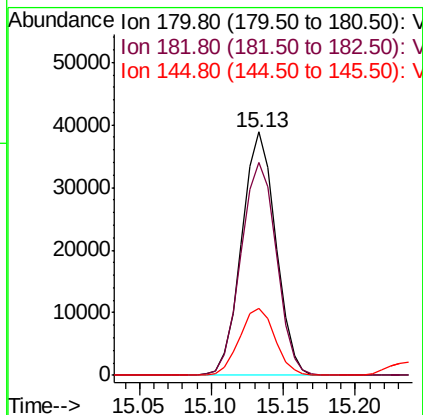
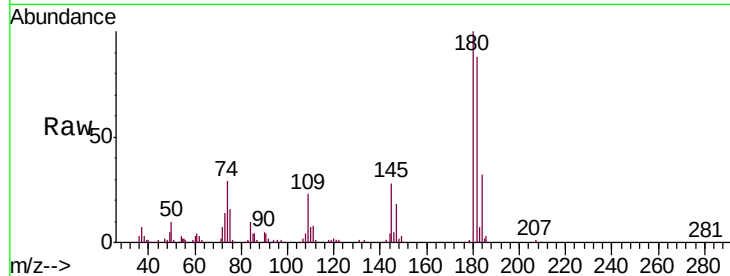




#93
 1,2,4-Trichlorobenzene
 Concen: 19.977 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012763.D
 Acq: 08 Sep 2019 12:35

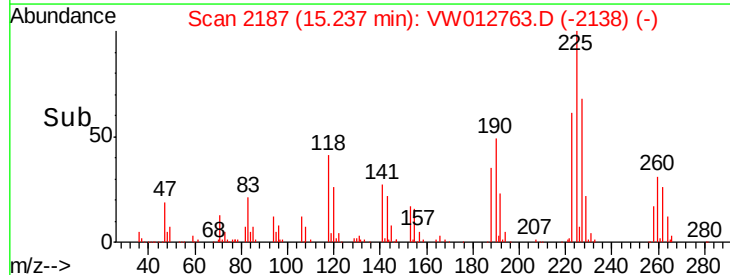
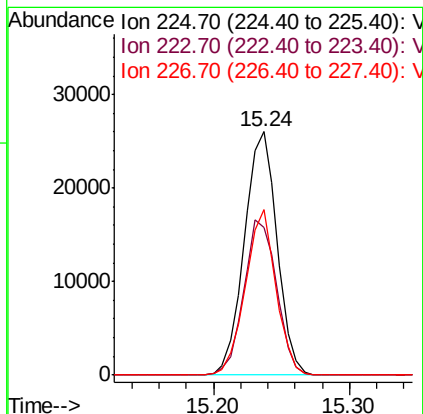
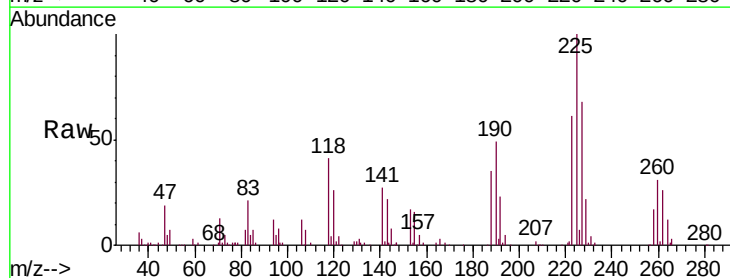
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0908SBS01

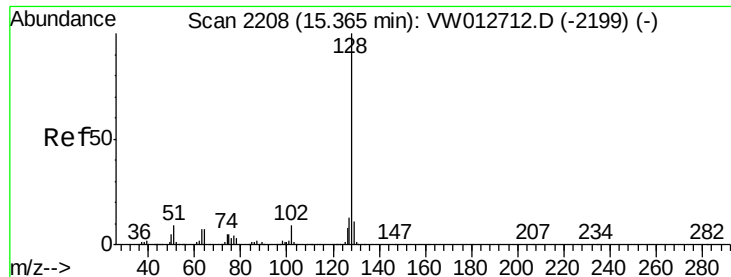
Tgt Ion:180 Resp: 63657
 Ion Ratio Lower Upper
 180 100
 182 91.1 48.7 146.1
 145 28.7 15.0 45.1



#94
 Hexachlorobutadiene
 Concen: 19.849 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012763.D
 Acq: 08 Sep 2019 12:35

Tgt Ion:225 Resp: 43779
 Ion Ratio Lower Upper
 225 100
 223 64.1 31.1 93.3
 227 63.4 31.4 94.2

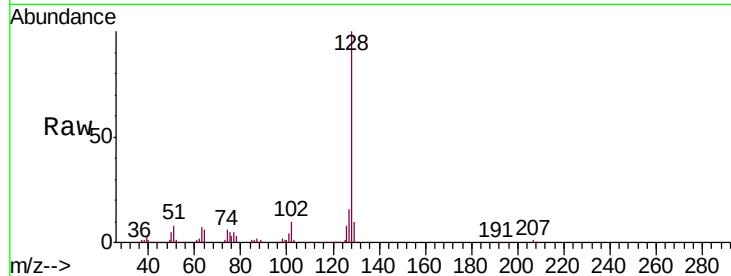




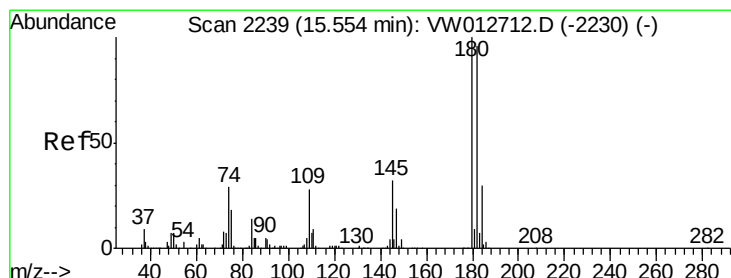
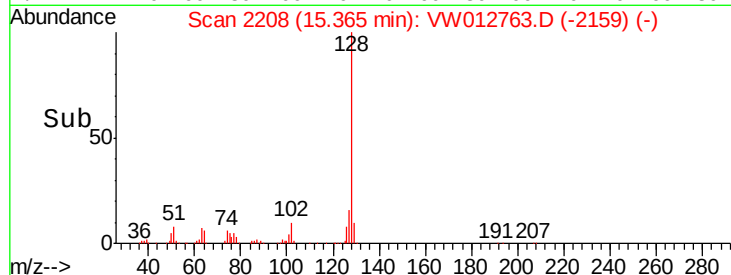
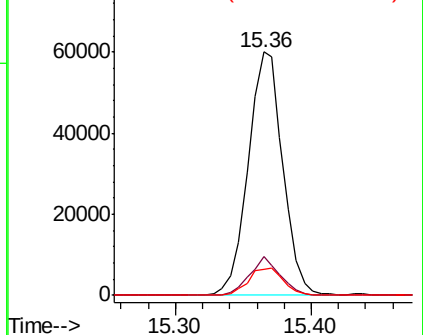
#95
Naphthalene
Concen: 19.038 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012763.D
Acq: 08 Sep 2019 12:35

Instrument :
MSVOA_W
ClientSampleId :
VW0908SBS01

Tgt Ion:128 Resp: 107014
Ion Ratio Lower Upper
128 100
127 14.2 10.7 16.1
129 11.1 8.7 13.1

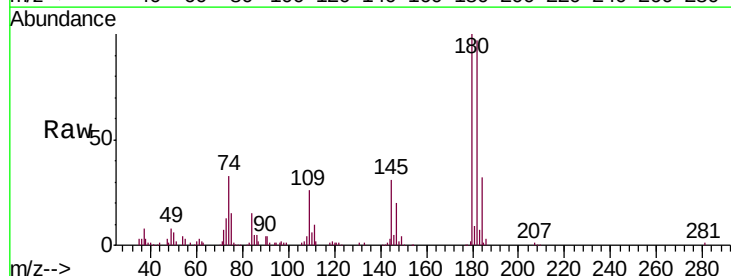


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 19.964 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW012763.D
Acq: 08 Sep 2019 12:35

Tgt Ion:180 Resp: 56153
Ion Ratio Lower Upper
180 100
182 96.2 47.8 143.3
145 31.2 15.4 46.2



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

