

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062819\
 Data File : VW011021.D
 Acq On : 27 Jun 2019 15:28
 Operator : SY/VA
 Sample : VSTDIC010
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Quant Time: Jun 28 01:41:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W062819S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 28 01:35:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	220702	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	367731	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	325900	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	157928	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	30857	11.35	ug/l	0.00
Spiked Amount			Recovery	=	22.70%	
35) Dibromofluoromethane	7.88	113	24001	11.56	ug/l	0.00
Spiked Amount			Recovery	=	23.12%	
50) Toluene-d8	10.32	98	95994	10.54	ug/l	0.00
Spiked Amount			Recovery	=	21.08%	
62) 4-Bromofluorobenzene	12.62	95	35231	10.64	ug/l	0.00
Spiked Amount			Recovery	=	21.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	18948	9.456	ug/l	98
3) Chloromethane	2.21	50	24581	8.497	ug/l	96
4) Vinyl Chloride	2.36	62	32641	11.604	ug/l	97
5) Bromomethane	2.77	94	16207	10.634	ug/l	96
6) Chloroethane	2.91	64	16824	10.197	ug/l	98
7) Trichlorofluoromethane	3.25	101	8820	2.778	ug/l	93
8) Diethyl Ether	3.67	74	14613	11.267	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	26298	11.739	ug/l	98
10) Methyl Iodide	4.27	142	36043	16.772	ug/l	99
11) Tert butyl alcohol	5.16	59	10975	51.861	ug/l #	84
12) 1,1-Dichloroethene	4.03	96	26282	11.958	ug/l	95
13) Acrolein	3.89	56	7908	78.024	ug/l	98
14) Allyl chloride	4.66	41	42659	9.253	ug/l	98
15) Acrylonitrile	5.36	53	34294	53.732	ug/l	99
16) Acetone	4.12	43	34205	48.975	ug/l	92
17) Carbon Disulfide	4.38	76	72727	10.552	ug/l	99
18) Methyl Acetate	4.67	43	20657	13.340	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	38394	6.668	ug/l	94
20) Methylene Chloride	4.92	84	32354	12.954	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	27743	11.354	ug/l	97
22) Diisopropyl ether	6.31	45	103862	10.956	ug/l	99
23) Vinyl Acetate	6.25	43	298133	51.695	ug/l	99
24) 1,1-Dichloroethane	6.21	63	55208	11.520	ug/l	98
25) 2-Butanone	7.17	43	54474	55.401	ug/l	100
26) 2,2-Dichloropropane	7.16	77	29815	8.201	ug/l	97
27) cis-1,2-Dichloroethene	7.16	96	30403	11.326	ug/l	97
28) Bromochloromethane	7.51	49	23908	10.897	ug/l	99
29) Tetrahydrofuran	7.52	42	34366	55.161	ug/l	99
30) Chloroform	7.67	83	49741	11.354	ug/l	98
31) Cyclohexane	7.95	56	61011	11.511	ug/l #	93
32) 1,1,1-Trichloroethane	7.87	97	37307	9.992	ug/l	99
36) 1,1-Dichloropropene	8.08	75	42491	11.172	ug/l	100
37) Ethyl Acetate	7.25	43	24506	11.464	ug/l	99
38) Carbon Tetrachloride	8.06	117	33882	10.420	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	50362	10.499	ug/l	99
40) Benzene	8.32	78	116327	11.190	ug/l	96
41) Methacrylonitrile	7.48	41	14097	11.041	ug/l	98
42) 1,2-Dichloroethane	8.40	62	38426	11.604	ug/l	100
43) Isopropyl Acetate	8.42	43	44012	10.730	ug/l	100
44) Trichloroethene	9.09	130	27657	10.826	ug/l	96
45) 1,2-Dichloropropane	9.37	63	30953	11.222	ug/l	96
46) Dibromomethane	9.46	93	14824	11.544	ug/l	98
47) Bromodichloromethane	9.64	83	35137	10.649	ug/l	99
48) Methyl methacrylate	9.43	41	20819	10.525	ug/l	98
49) 1,4-Dioxane	9.44	88	4719	228.086	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	114994	54.459	ug/l	100
52) Toluene	10.38	92	69779	10.924	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	34817	9.970	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	42775	10.382	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	20951	11.342	ug/l	98
56) Ethyl methacrylate	10.65	69	29044	10.264	ug/l	98
57) 1,3-Dichloropropane	10.93	76	38992	11.207	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	75278	51.074	ug/l	99
59) 2-Hexanone	10.97	43	77998	51.385	ug/l	99
60) Dibromochloromethane	11.13	129	20118	9.944	ug/l	98
61) 1,2-Dibromoethane	11.24	107	18550	10.638	ug/l	98
64) Tetrachloroethene	10.86	164	24138	11.095	ug/l	97
65) Chlorobenzene	11.66	112	71603	11.089	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	23514	10.581	ug/l	98
67) Ethyl Benzene	11.73	91	134905	10.870	ug/l	98
68) m/p-Xylenes	11.84	106	98018	21.992	ug/l	100
69) o-Xylene	12.16	106	45488	10.792	ug/l	100
70) Styrene	12.18	104	77543	10.583	ug/l	100
71) Bromoform	12.35	173	10539	9.204	ug/l #	98
73) Isopropylbenzene	12.46	105	125726	10.629	ug/l	98
74) N-amyl acetate	12.27	43	38014	9.797	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	24803	10.930	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	32162	19.318	ug/l #	100
77) Bromobenzene	12.74	156	27766	10.761	ug/l	98
78) n-propylbenzene	12.80	91	154758	10.791	ug/l	99
79) 2-Chlorotoluene	12.89	91	89879	10.971	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	105004	10.763	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	6176	8.593	ug/l	88
82) 4-Chlorotoluene	12.99	91	94130	11.116	ug/l	100
83) tert-Butylbenzene	13.21	119	87252	10.584	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	107836	10.986	ug/l	100
85) sec-Butylbenzene	13.38	105	128404	10.706	ug/l	100
86) p-Isopropyltoluene	13.50	119	114638	10.678	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	55867	11.185	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	55705	11.219	ug/l	99
89) n-Butylbenzene	13.82	91	116466	10.842	ug/l	100
90) Hexachloroethane	14.10	117	18813	9.876	ug/l	95
91) 1,2-Dichlorobenzene	13.87	146	49360	10.939	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	3839	9.799	ug/l	97

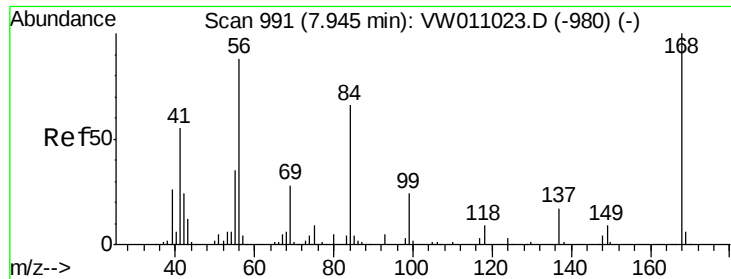
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062819\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	33921	10.719	ug/l	100
94) Hexachlorobutadiene	15.24	225	20953	10.621	ug/l	99
95) Naphthalene	15.37	128	61121	10.509	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	30235	11.166	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW011021.D

Acq: 27 Jun 2019 15:28

Instrument :

MSVOA_W

ClientSampleId :

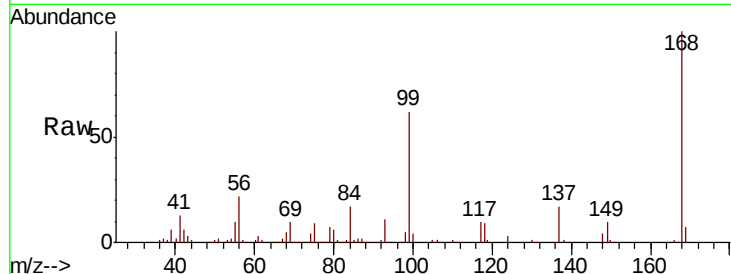
VSTDIC010

Tot Ion:168 Resp: 220702

Ion Ratio Lower Upper

168 100

99 61.7 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

100000

80000

60000

40000

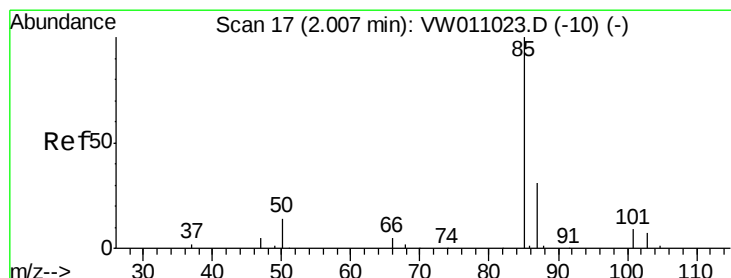
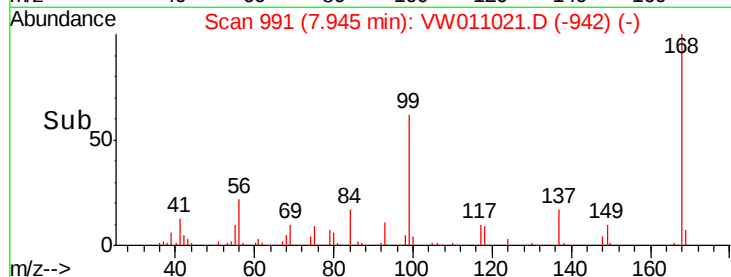
20000

0

Time-->

7.90

8.00



#2

Dichlorodifluoromethane

Concen: 9.456 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW011021.D

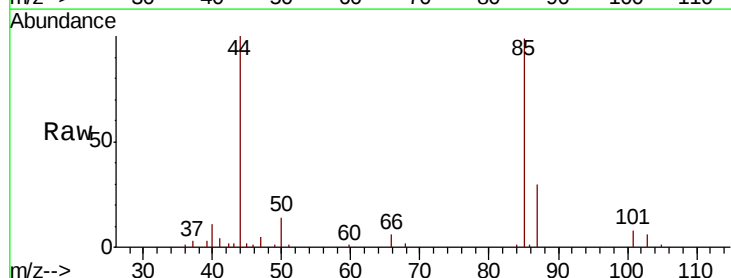
Acq: 27 Jun 2019 15:28

Tgt Ion: 85 Resp: 18948

Ion Ratio Lower Upper

85 100

87 30.0 15.7 47.0



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

8000

6000

4000

2000

0

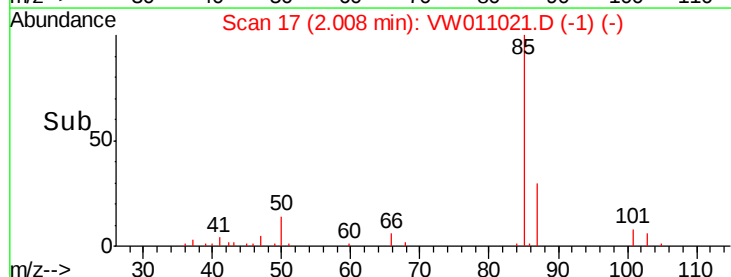
Time-->

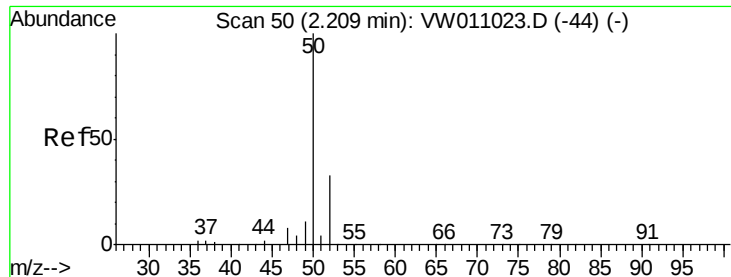
1.90

2.00

2.10

2.20





#3

Chloromethane

Concen: 8.497 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW011021.D

Acq: 27 Jun 2019 15:28

Instrument :

MSVOA_W

ClientSampleId :

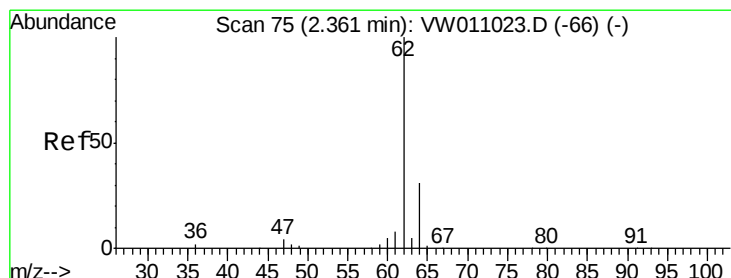
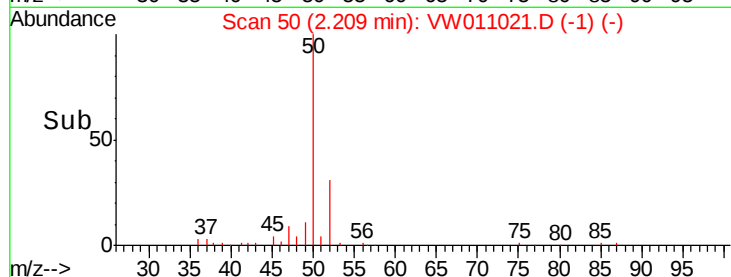
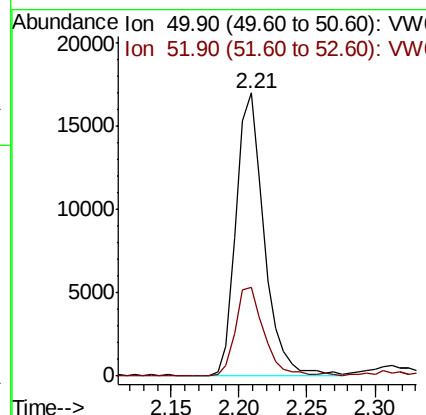
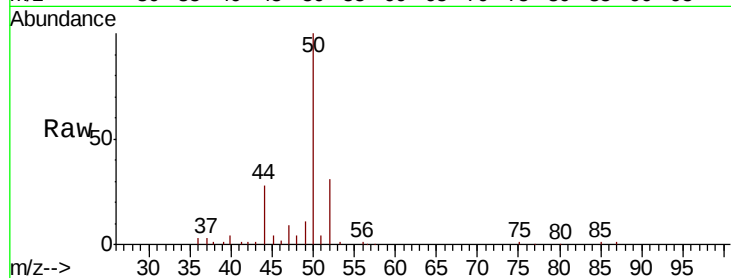
VSTDIC010

Tot Ion: 50 Resp: 24581

Ion Ratio Lower Upper

50 100

52 31.3 26.6 40.0



#4

Vinyl Chloride

Concen: 11.604 ug/l

RT: 2.36 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW011021.D

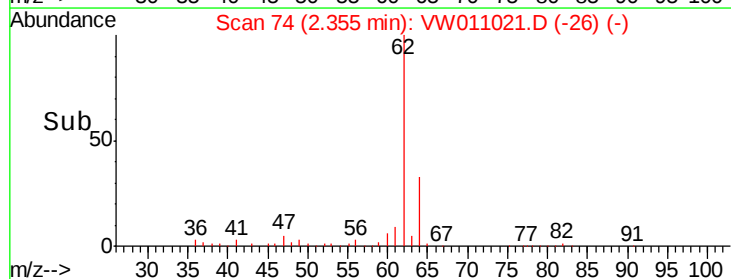
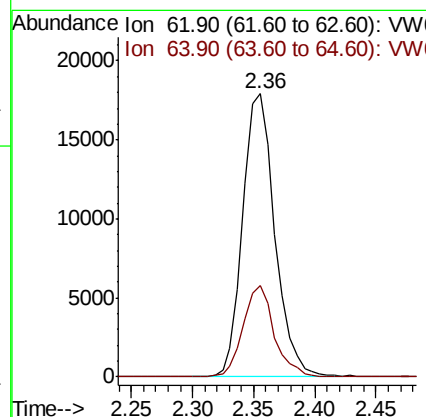
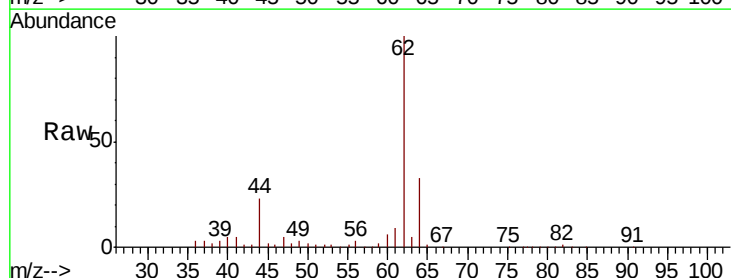
Acq: 27 Jun 2019 15:28

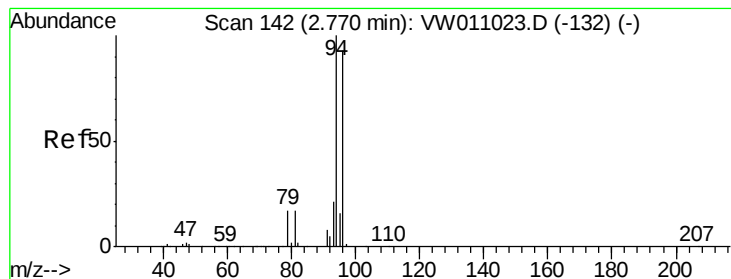
Tgt Ion: 62 Resp: 32641

Ion Ratio Lower Upper

62 100

64 32.5 24.8 37.2





#5

Bromomethane

Concen: 10.634 ug/l

RT: 2.77 min Scan# 142

Delta R.T. 0.00 min

Lab File: VW011021.D

Acq: 27 Jun 2019 15:28

Instrument :

MSVOA_W

ClientSampleId :

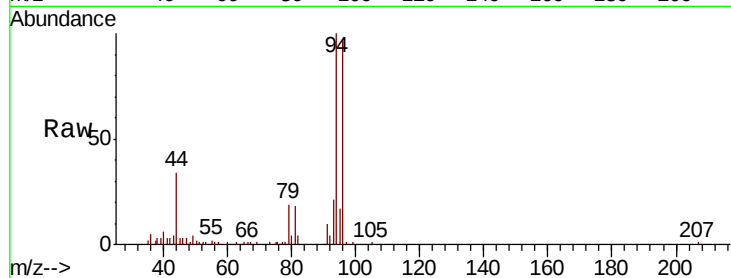
VSTDIC010

Tot Ion: 94 Resp: 16207

Ion Ratio Lower Upper

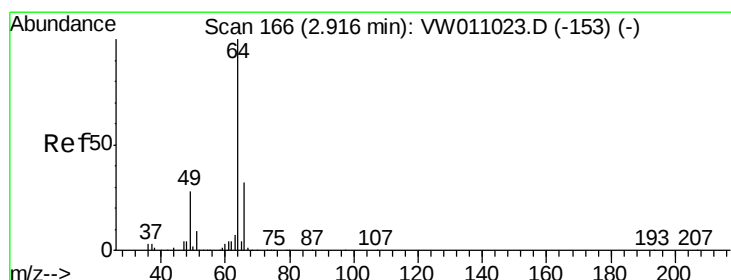
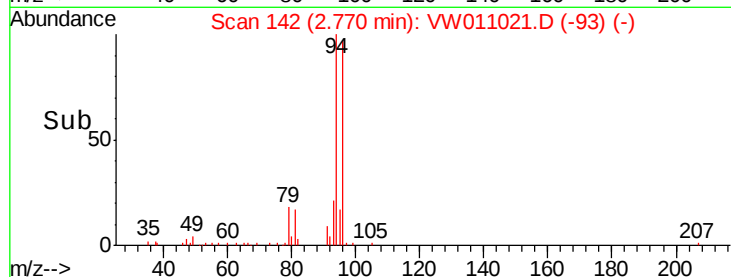
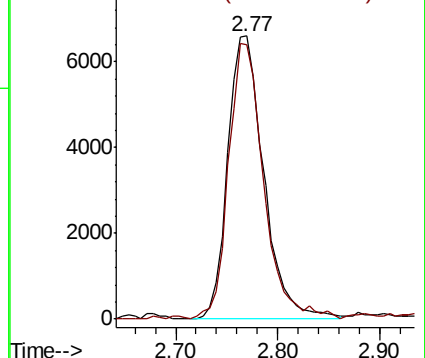
94 100

96 96.8 74.2 111.2



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 10.197 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW011021.D

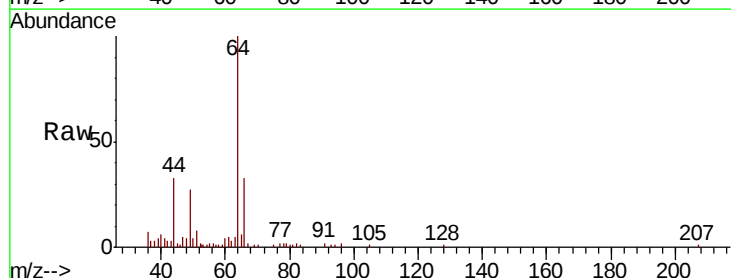
Acq: 27 Jun 2019 15:28

Tgt Ion: 64 Resp: 16824

Ion Ratio Lower Upper

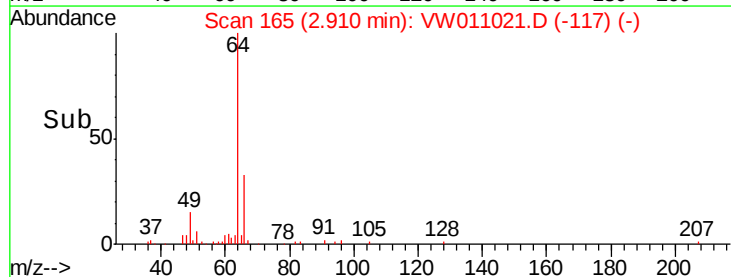
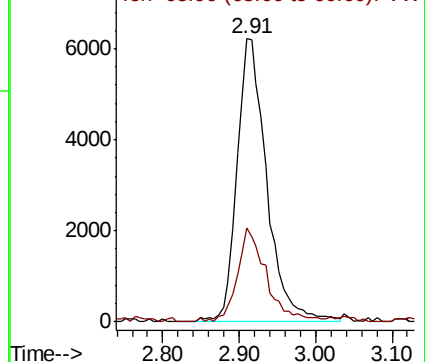
64 100

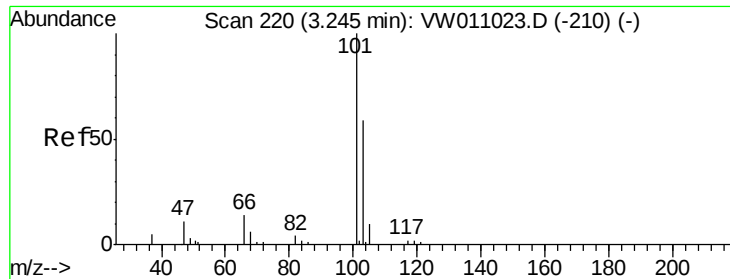
66 33.1 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



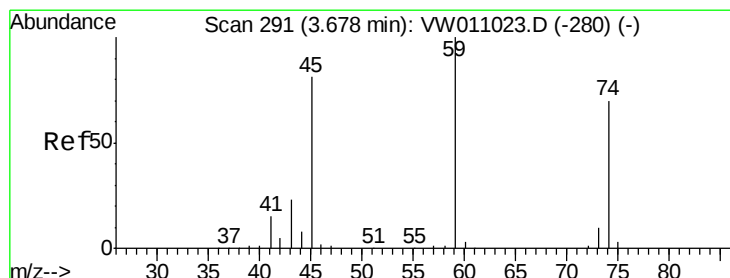
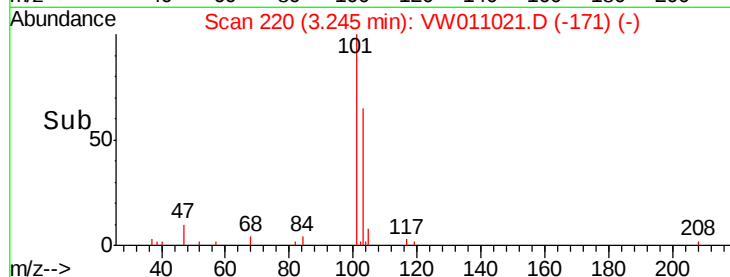
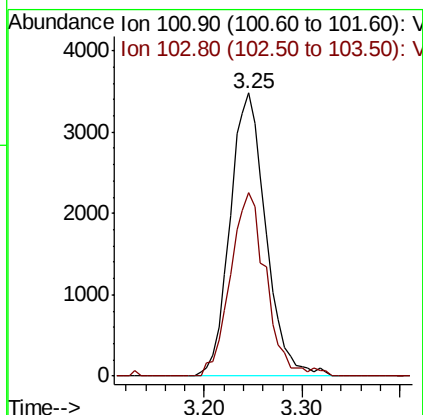
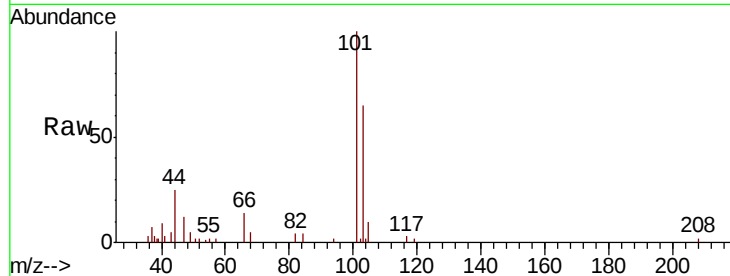


#7

Trichlorofluoromethane
 Concen: 2.778 ug/l
 RT: 3.25 min Scan# 220
 Delta R.T. 0.00 min
 Lab File: VW011021.D
 Acq: 27 Jun 2019 15:28

Instrument :
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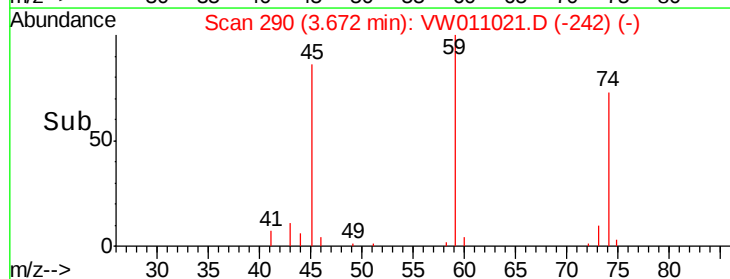
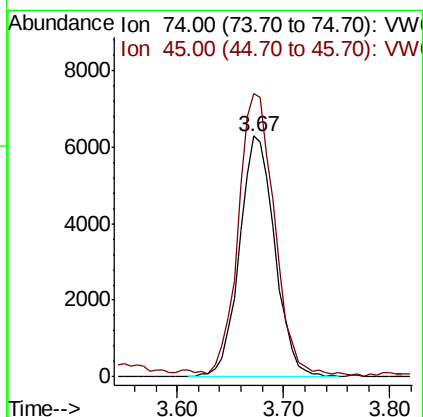
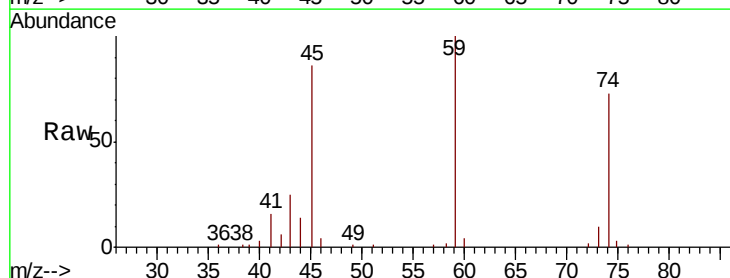
Tot Ion:101 Resp: 8820
 Ion Ratio Lower Upper
 101 100
 103 64.6 47.5 71.3

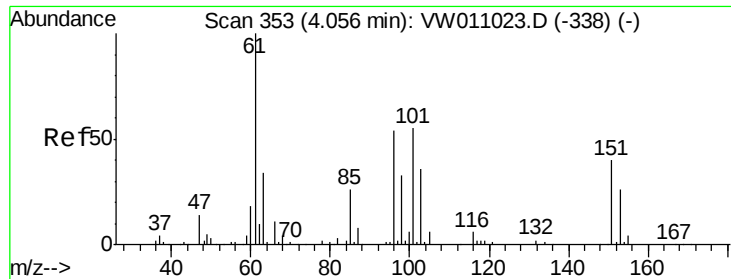


#8

Diethyl Ether
 Concen: 11.267 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.01 min
 Lab File: VW011021.D
 Acq: 27 Jun 2019 15:28

Tgt Ion: 74 Resp: 14613
 Ion Ratio Lower Upper
 74 100
 45 122.9 59.5 178.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 11.739 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.00 min

Lab File: VW011021.D

Acq: 27 Jun 2019 15:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

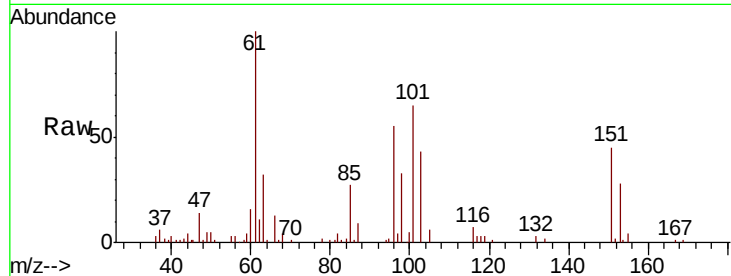
Tot Ion:101 Resp: 26298

Ion Ratio Lower Upper

101 100

85 46.7 36.6 55.0

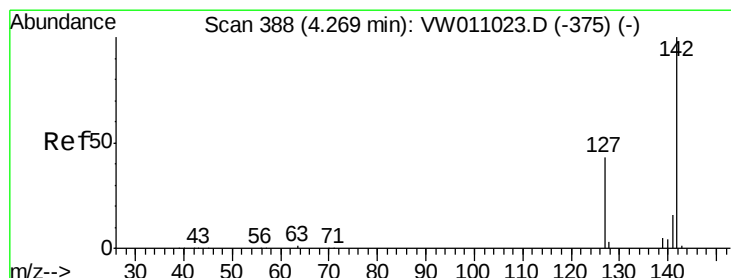
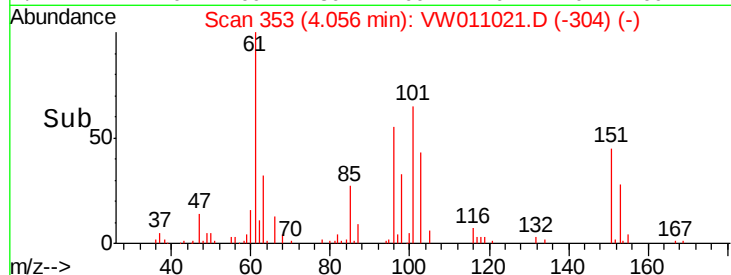
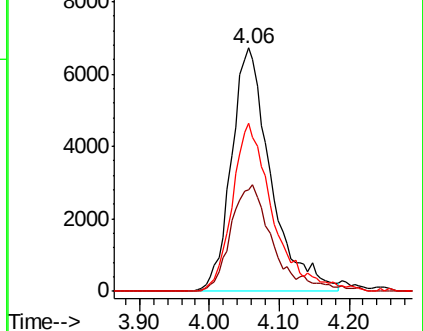
151 71.4 58.9 88.3



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: 16.772 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW011021.D

Acq: 27 Jun 2019 15:28

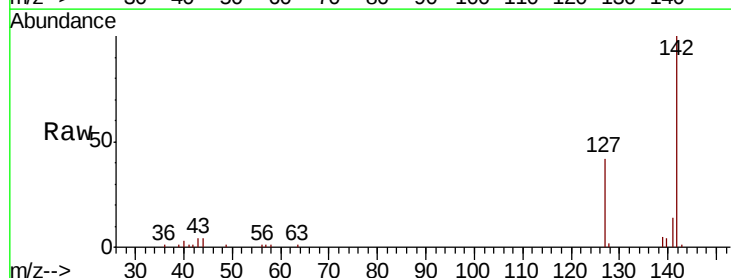
Tgt Ion:142 Resp: 36043

Ion Ratio Lower Upper

142 100

127 45.1 35.8 53.8

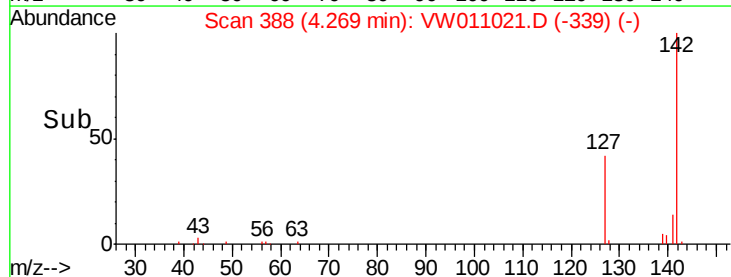
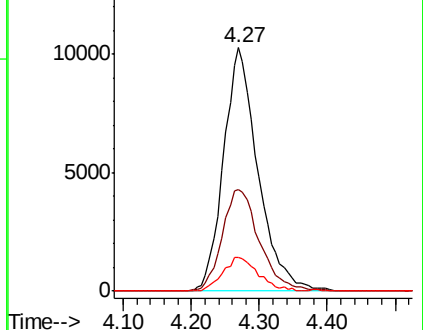
141 14.3 12.2 18.2

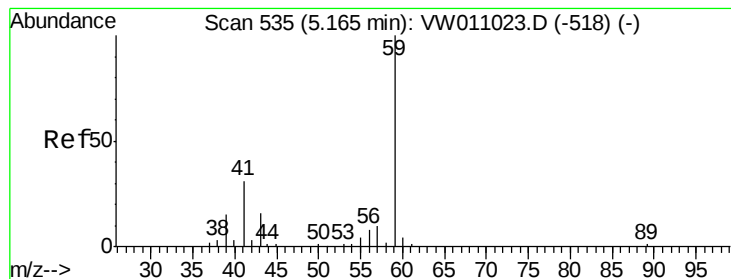


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 51.861 ug/l

RT: 5.16 min Scan# 534

Delta R.T. -0.01 min

Lab File: VW011021.D

Acq: 27 Jun 2019 15:28

Instrument :

MSVOA_W

ClientSampleId :

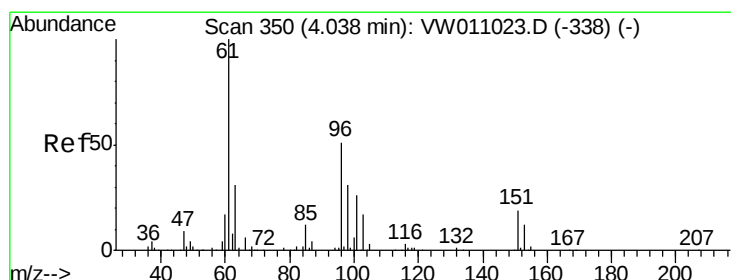
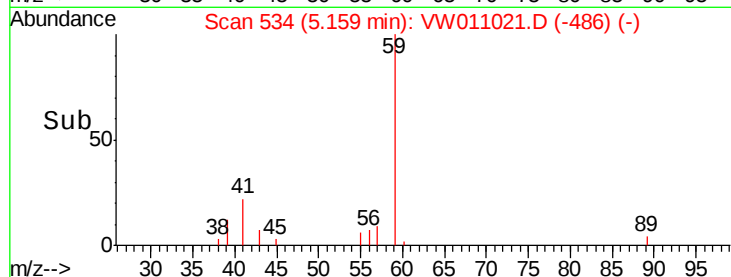
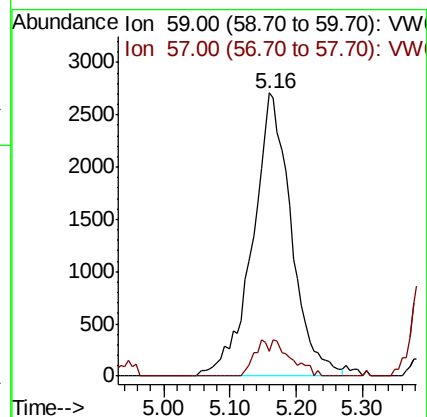
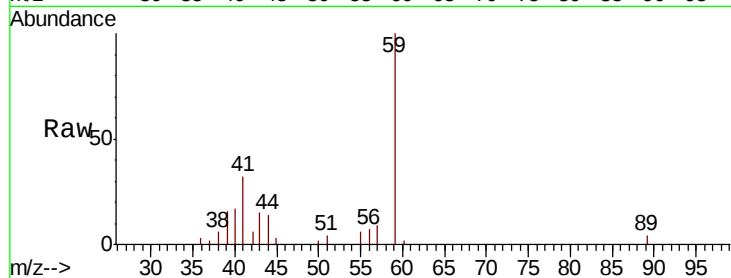
VSTDIC010

Tot Ion: 59 Resp: 10975

Ion Ratio Lower Upper

59 100

57 5.0 9.0 13.4#



#12

1,1-Dichloroethene

Concen: 11.958 ug/l

RT: 4.03 min Scan# 349

Delta R.T. -0.01 min

Lab File: VW011021.D

Acq: 27 Jun 2019 15:28

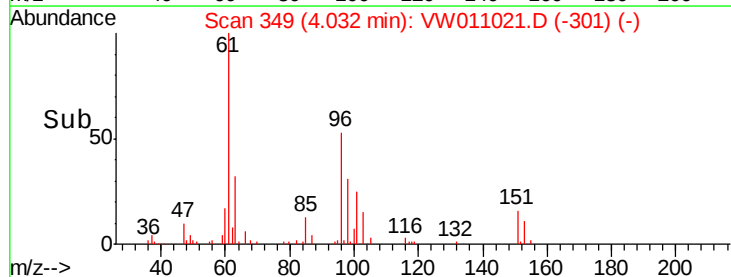
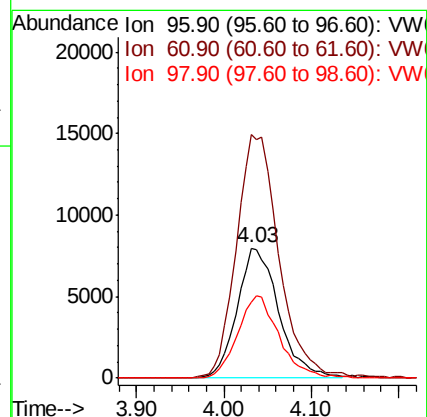
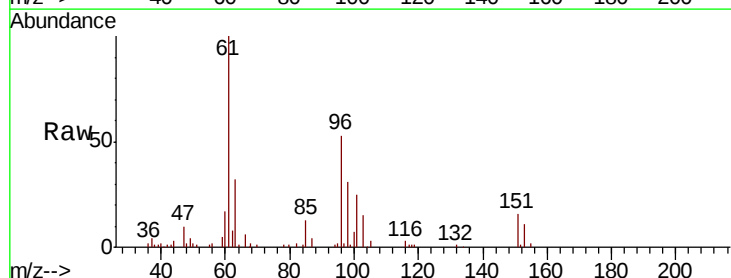
Tgt Ion: 96 Resp: 26282

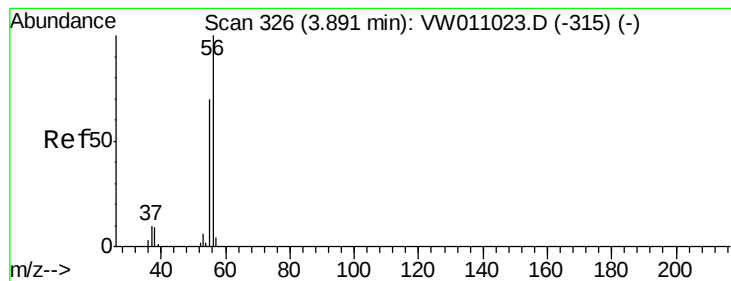
Ion Ratio Lower Upper

96 100

61 187.0 156.0 234.0

98 58.7 48.7 73.1





#13

Acrolein

Concen: 78.024 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW011021.D

Acq: 27 Jun 2019 15:28

Instrument :

MSVOA_W

ClientSampleId :

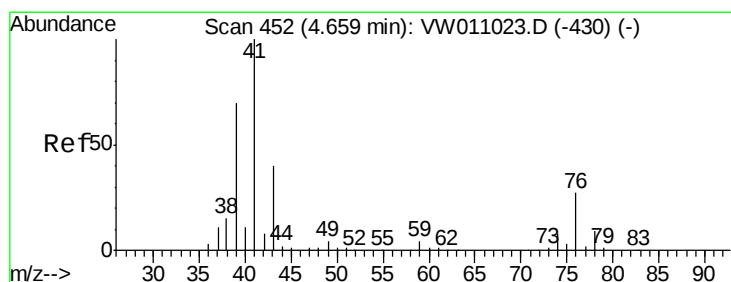
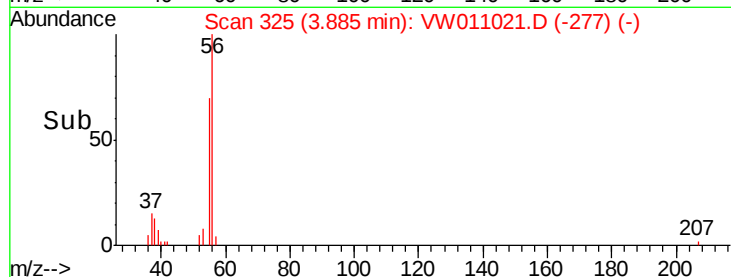
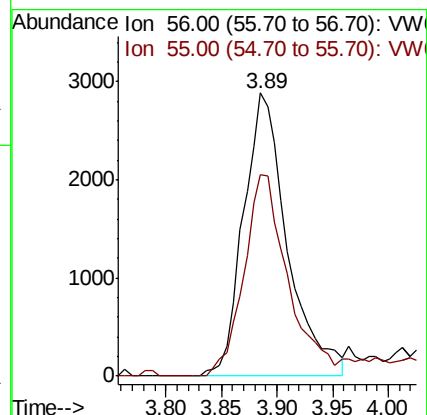
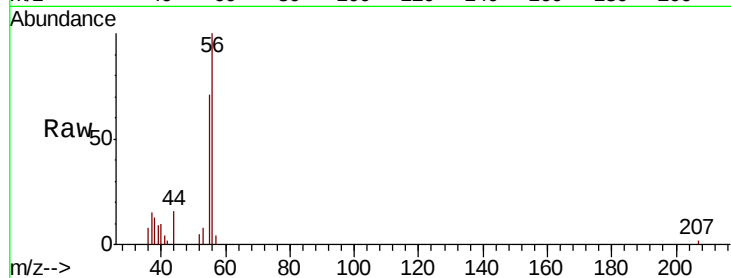
VSTDIC010

Tot Ion: 56 Resp: 7908

Ion Ratio Lower Upper

56 100

55 71.1 55.7 83.5



#14

Allyl chloride

Concen: 9.253 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW011021.D

Acq: 27 Jun 2019 15:28

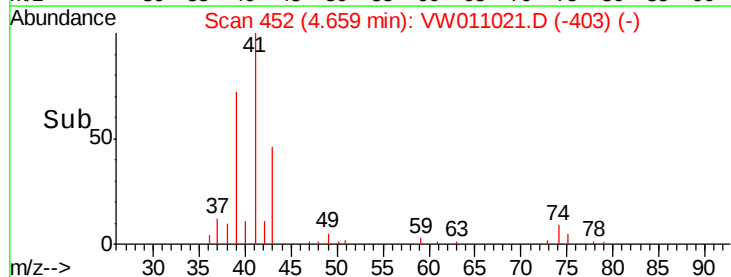
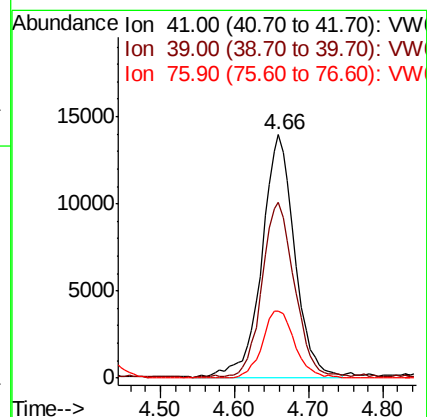
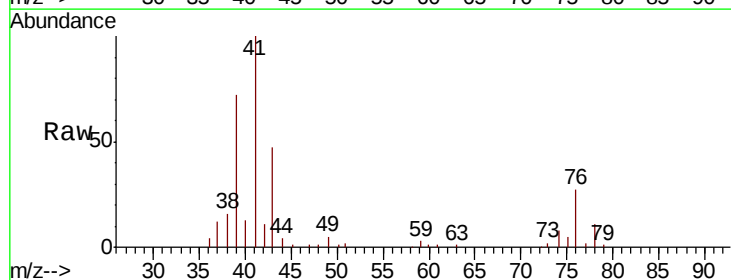
Tgt Ion: 41 Resp: 42659

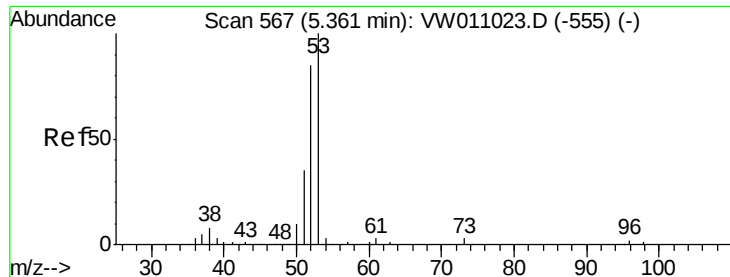
Ion Ratio Lower Upper

41 100

39 71.0 55.4 83.2

76 27.6 22.0 33.0





#15

Acrylonitrile

Concen: 53.732 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW011021.D

Acq: 27 Jun 2019 15:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

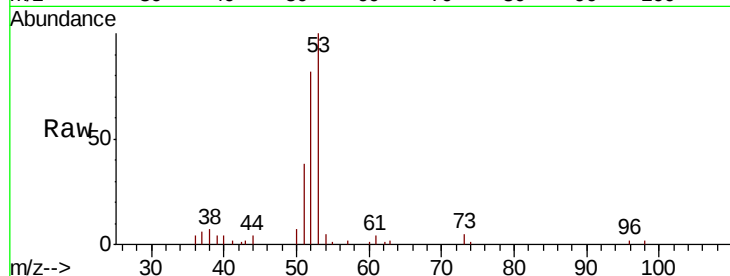
Tot Ion: 53 Resp: 34294

Ion Ratio Lower Upper

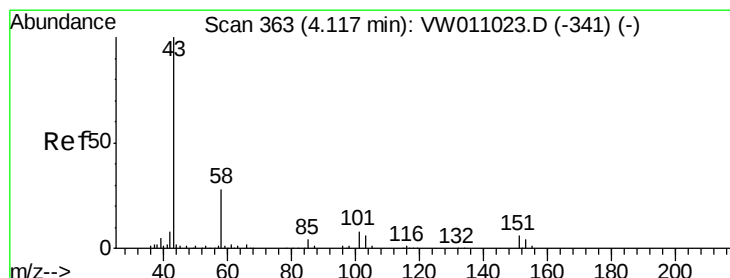
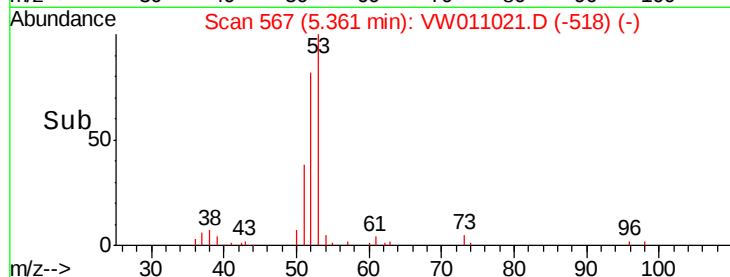
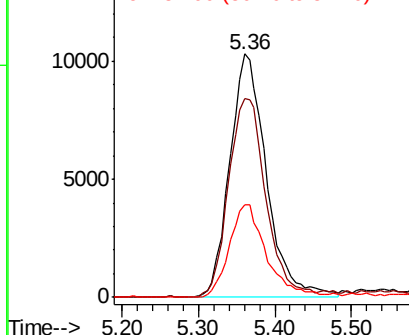
53 100

52 82.8 66.3 99.5

51 38.3 29.8 44.6



Abundance Ion 53.00 (52.70 to 53.70): VW
Ion 52.00 (51.70 to 52.70): VW
Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 48.975 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW011021.D

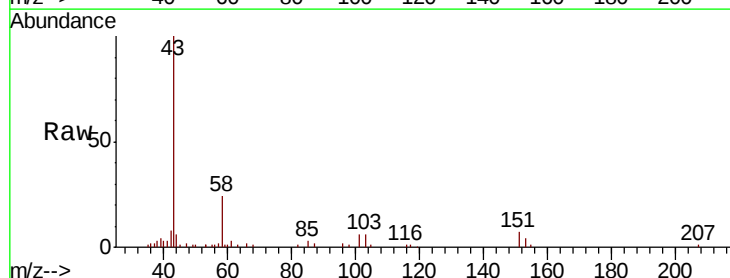
Acq: 27 Jun 2019 15:28

Tgt Ion: 43 Resp: 34205

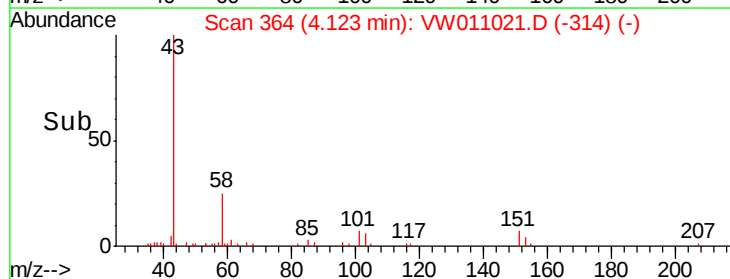
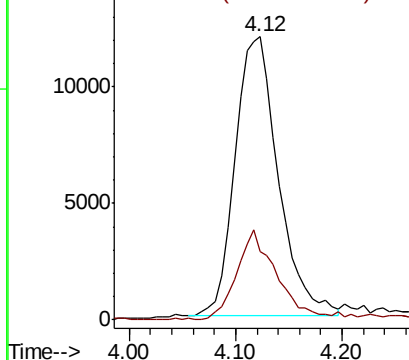
Ion Ratio Lower Upper

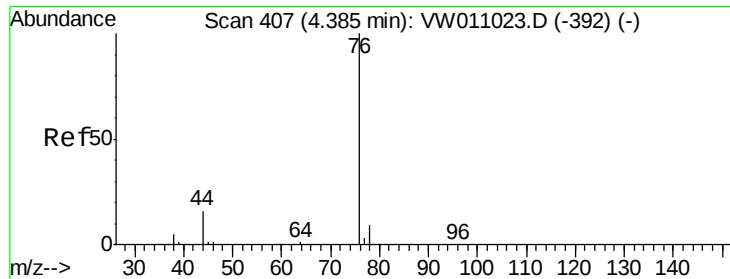
43 100

58 24.0 22.5 33.7



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

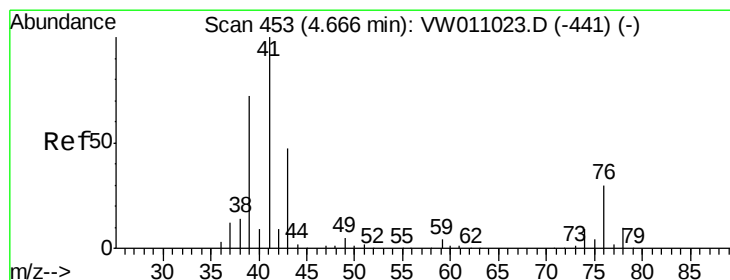
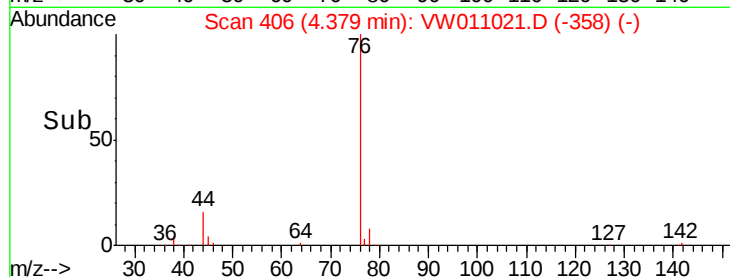
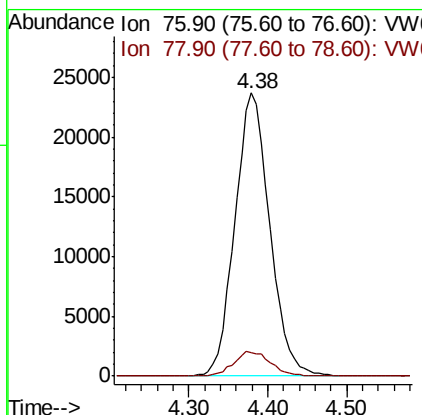
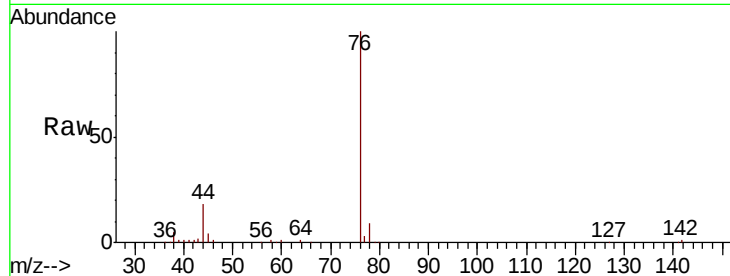




#17
Carbon Disulfide
Concen: 10.552 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW011021.D
Acq: 27 Jun 2019 15:28

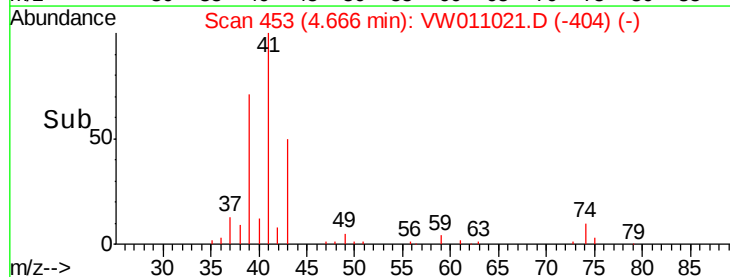
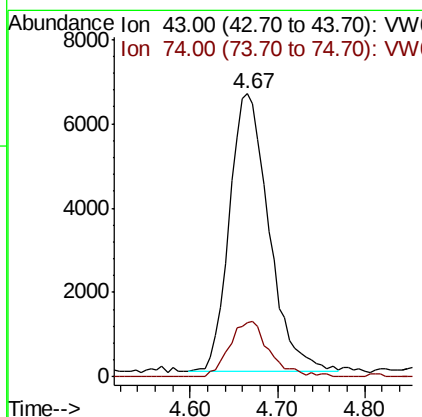
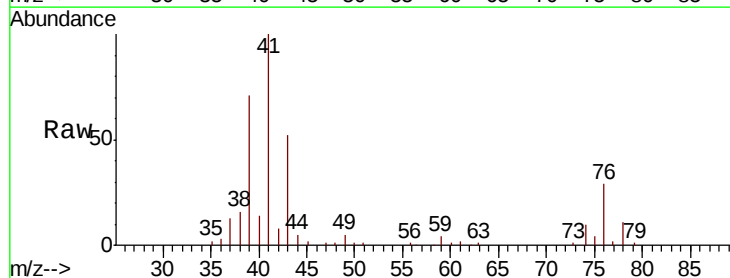
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

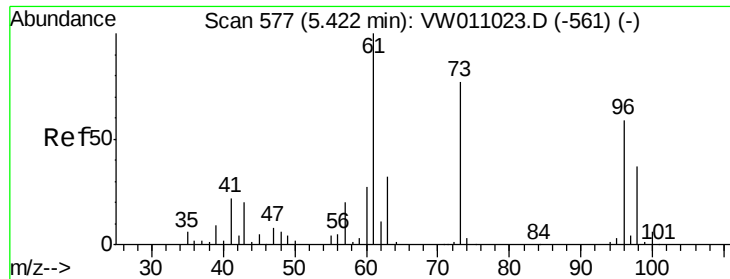
Tot Ion: 76 Resp: 72727
Ion Ratio Lower Upper
76 100
78 8.5 7.2 10.8



#18
Methyl Acetate
Concen: 13.340 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW011021.D
Acq: 27 Jun 2019 15:28

Tgt Ion: 43 Resp: 20657
Ion Ratio Lower Upper
43 100
74 19.7 15.8 23.8

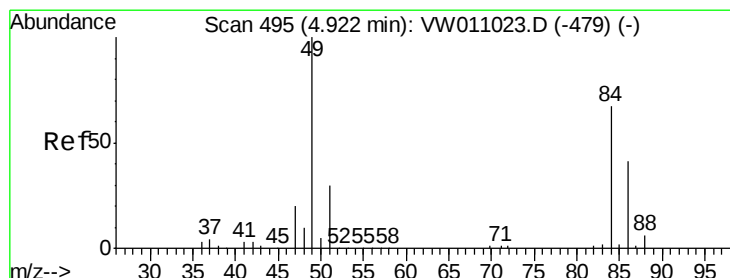
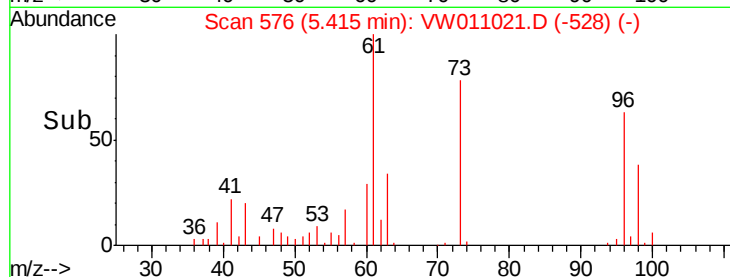
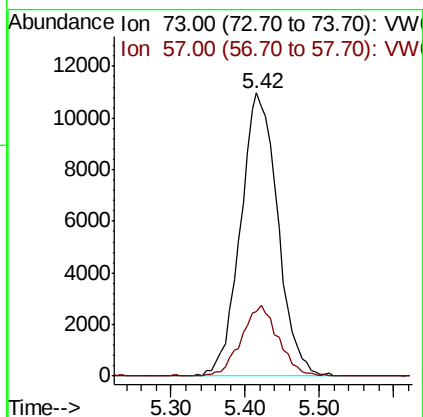
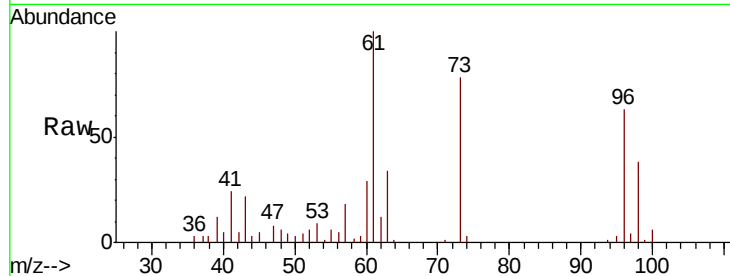




#19
Methyl tert-butyl Ether
Concen: 6.668 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW011021.D
Acq: 27 Jun 2019 15:28

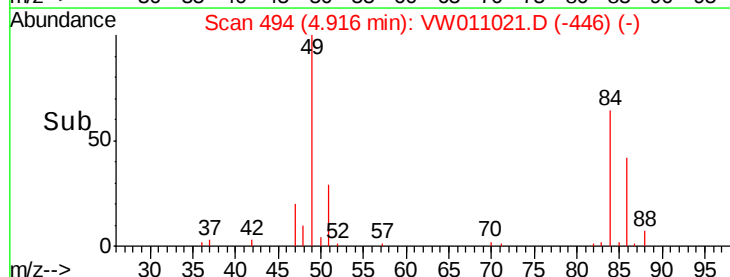
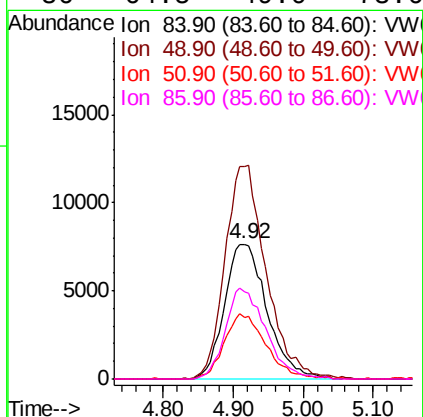
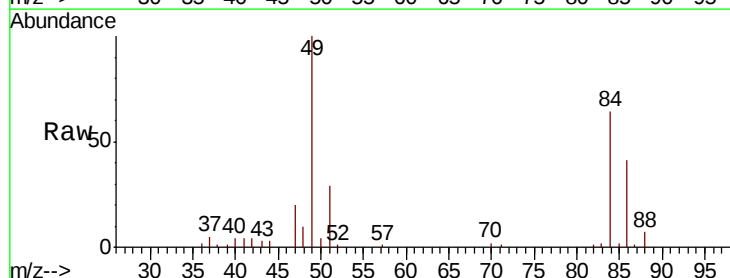
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

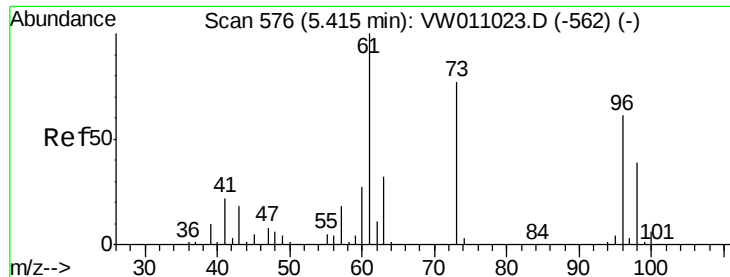
Tot Ion: 73 Resp: 38394
Ion Ratio Lower Upper
73 100
57 22.9 20.8 31.2



#20
Methylene Chloride
Concen: 12.954 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW011021.D
Acq: 27 Jun 2019 15:28

Tgt Ion: 84 Resp: 32354
Ion Ratio Lower Upper
84 100
49 156.6 119.6 179.4
51 45.8 35.6 53.4
86 64.5 49.0 73.6





#21

trans-1,2-Dichloroethene

Concen: 11.354 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW011021.D

Acq: 27 Jun 2019 15:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

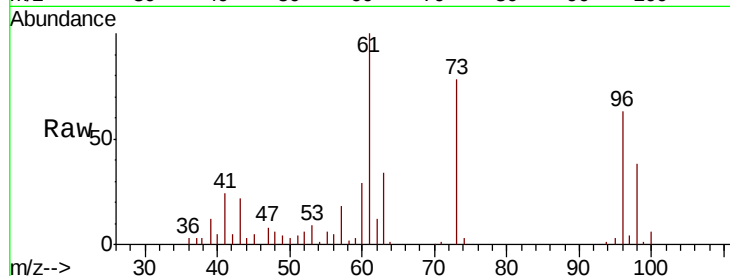
Tot Ion: 96 Resp: 27743

Ion Ratio Lower Upper

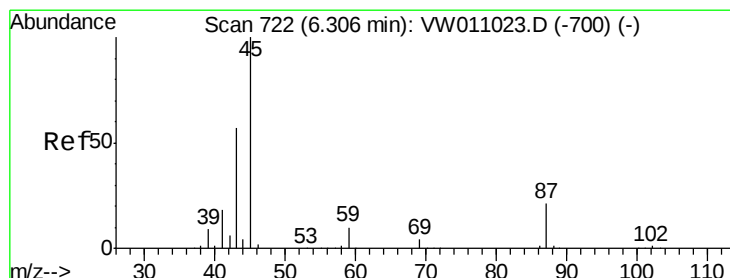
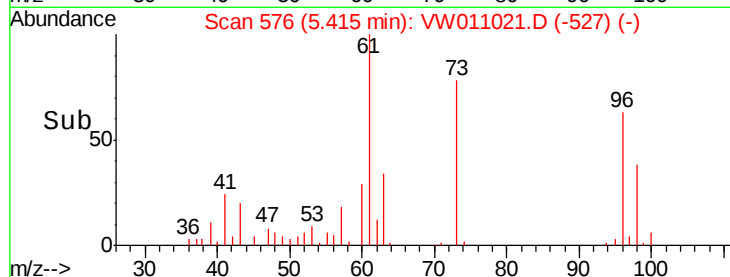
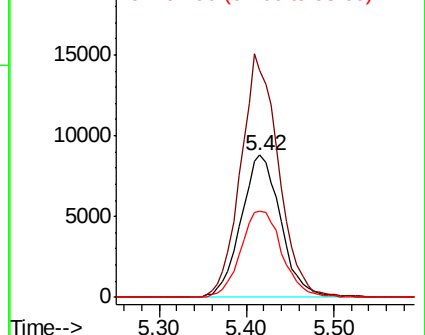
96 100

61 159.7 131.0 196.4

98 60.9 50.8 76.2



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



#22

Diisopropyl ether

Concen: 10.956 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW011021.D

Acq: 27 Jun 2019 15:28

Tgt Ion: 45 Resp: 103862

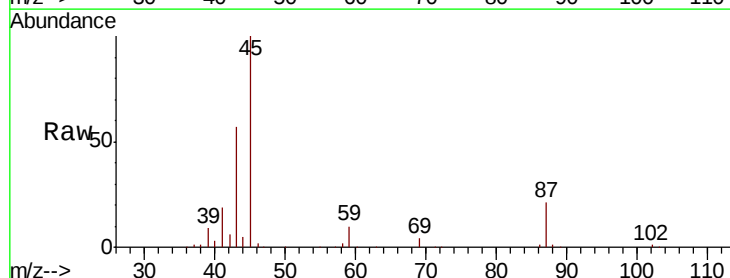
Ion Ratio Lower Upper

45 100

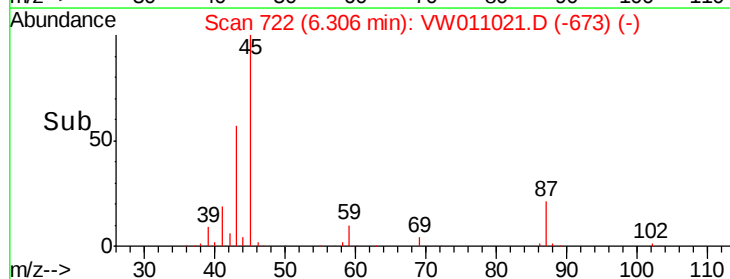
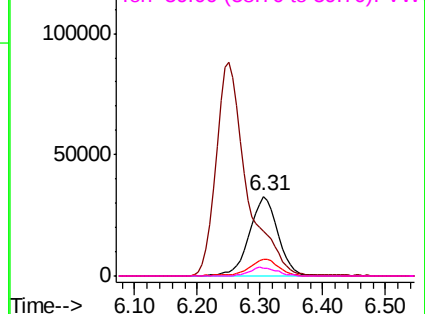
43 56.2 45.8 68.6

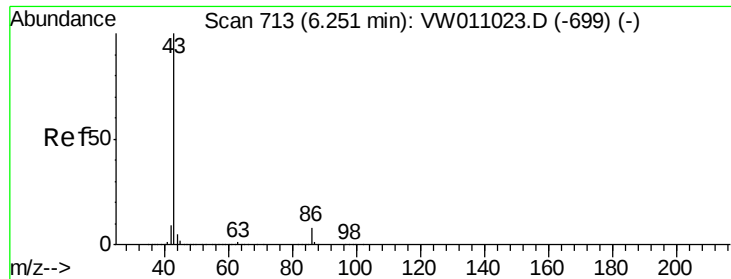
87 20.8 17.1 25.7

59 9.5 8.2 12.4



Abundance Ion 45.00 (44.70 to 45.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 87.00 (86.70 to 87.70): VW
Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 51.695 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW011021.D

Acq: 27 Jun 2019 15:28

Instrument :

MSVOA_W

ClientSampleId :

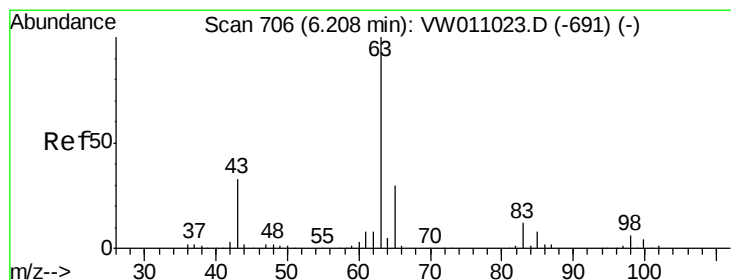
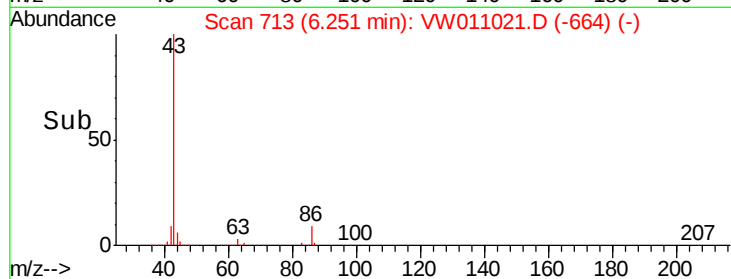
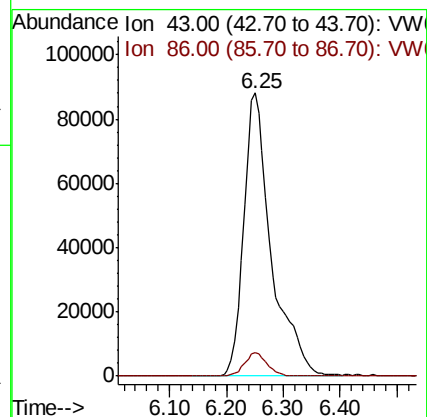
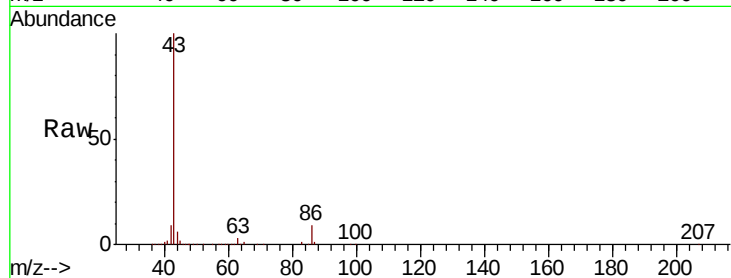
VSTDIC010

Tot Ion: 43 Resp: 298133

Ion Ratio Lower Upper

43 100

86 8.5 6.6 10.0



#24

1,1-Dichloroethane

Concen: 11.520 ug/l

RT: 6.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: VW011021.D

Acq: 27 Jun 2019 15:28

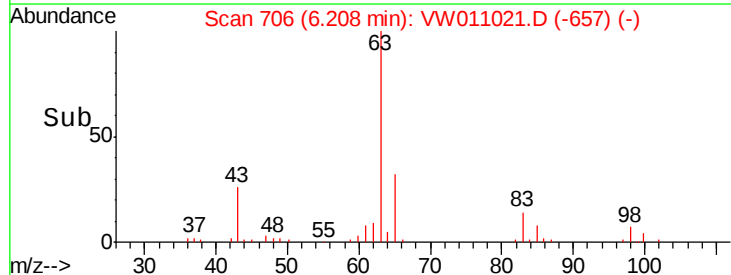
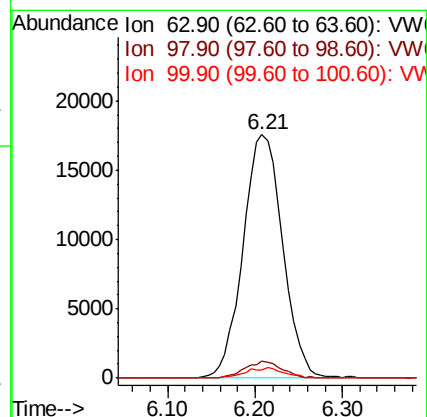
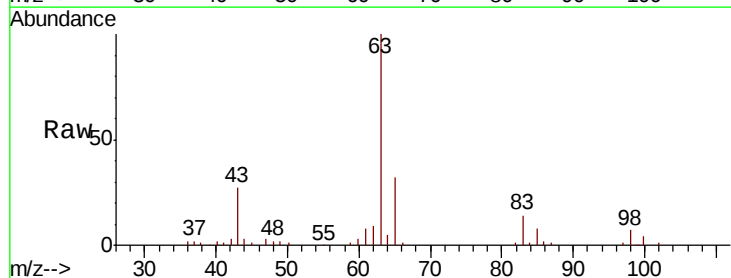
Tgt Ion: 63 Resp: 55208

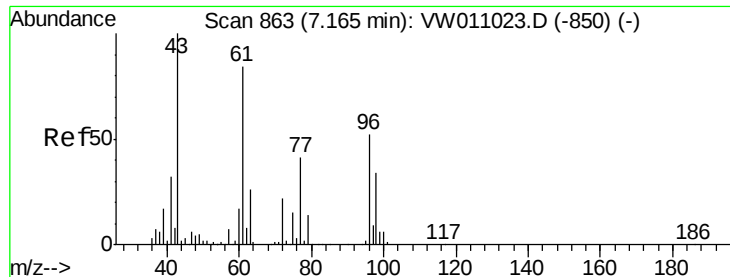
Ion Ratio Lower Upper

63 100

98 6.9 3.1 9.4

100 3.5 2.1 6.2

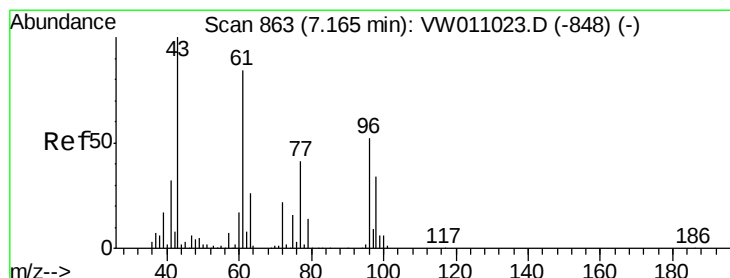
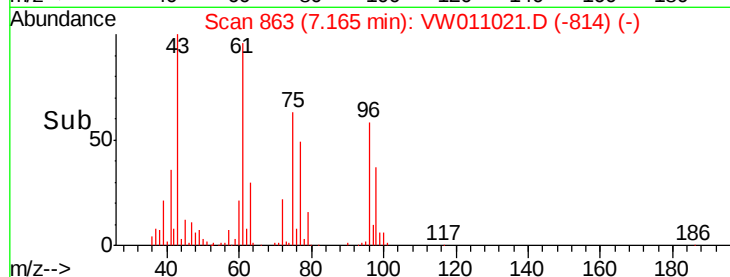
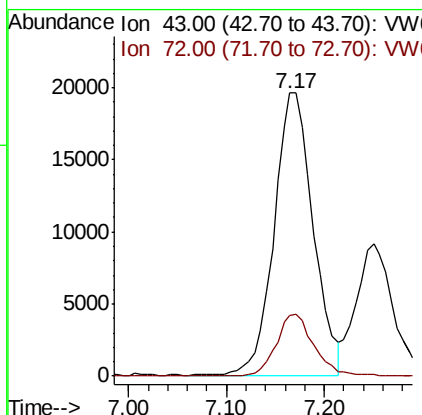
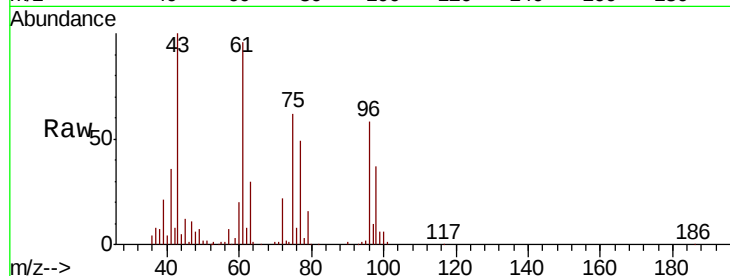




#25
2-Butanone
Concen: 55.401 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW011021.D
Acq: 27 Jun 2019 15:28

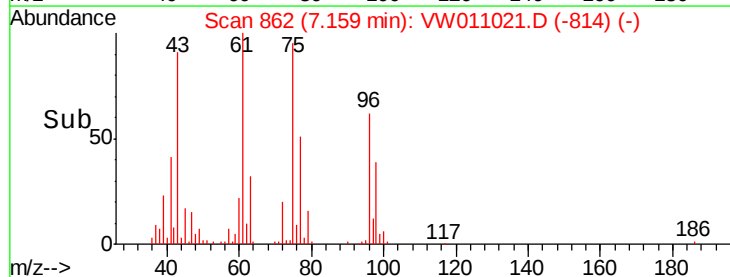
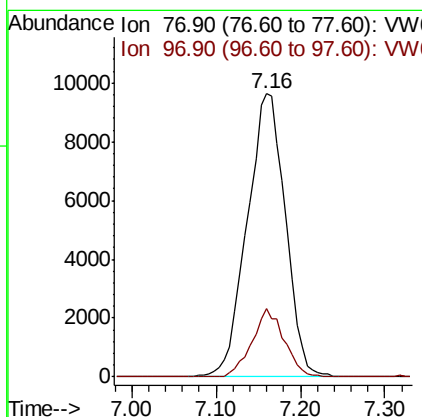
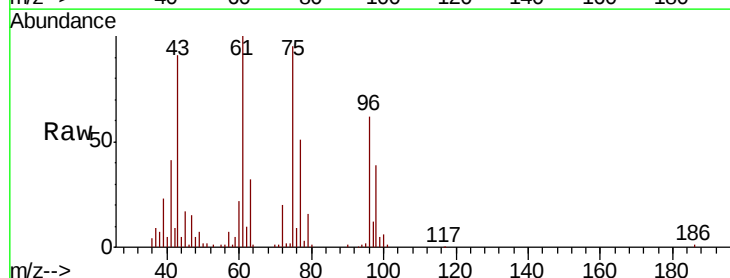
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

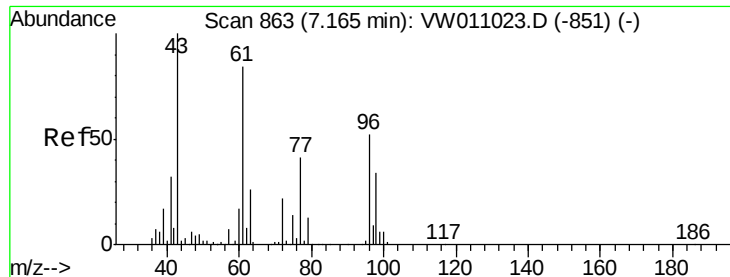
Tot Ion: 43 Resp: 54474
Ion Ratio Lower Upper
43 100
72 21.7 17.2 25.8



#26
2,2-Dichloropropane
Concen: 8.201 ug/l
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW011021.D
Acq: 27 Jun 2019 15:28

Tgt Ion: 77 Resp: 29815
Ion Ratio Lower Upper
77 100
97 20.3 10.9 32.7

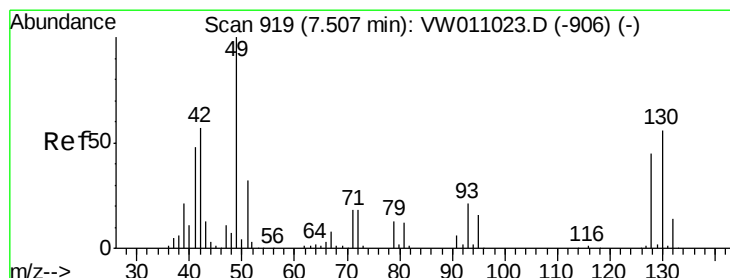
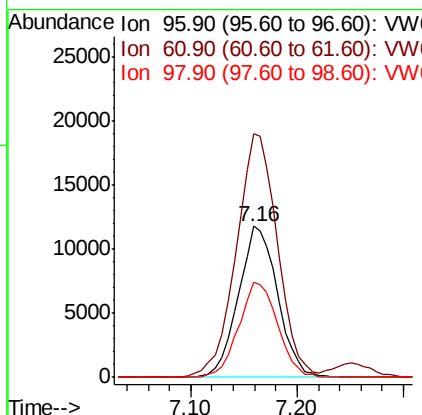
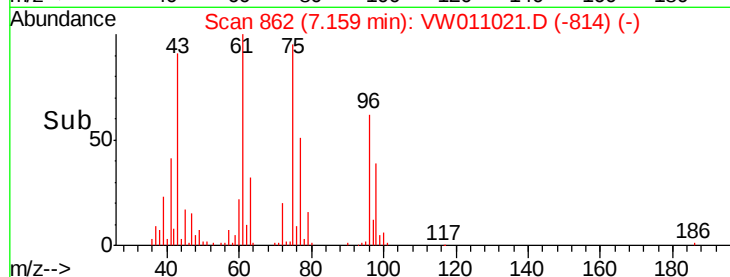
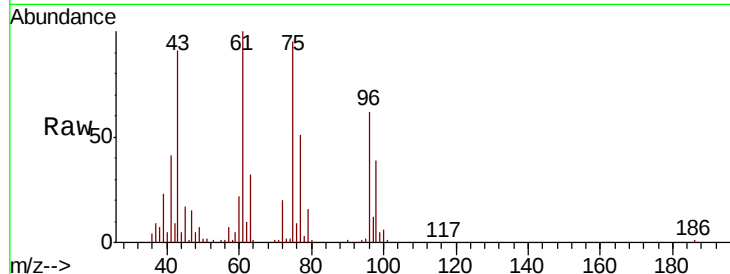




#27
 cis-1,2-Dichloroethene
 Concen: 11.326 ug/l
 RT: 7.16 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VW011021.D
 Acq: 27 Jun 2019 15:28

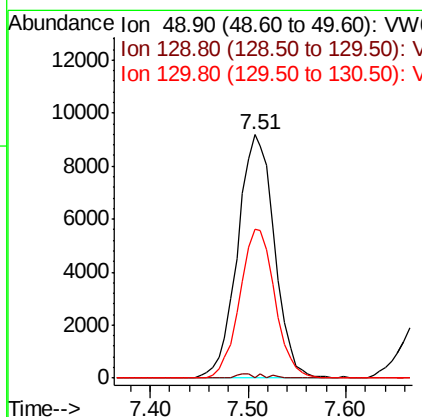
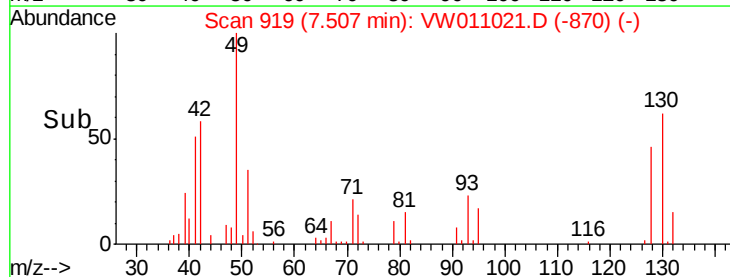
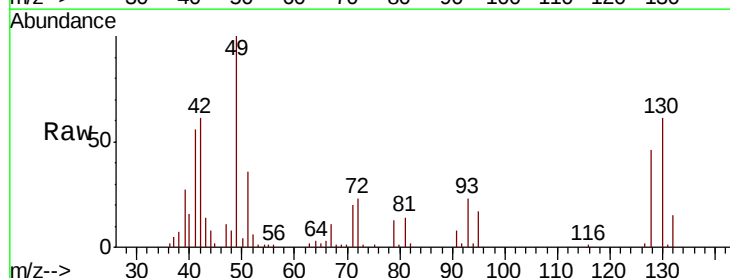
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

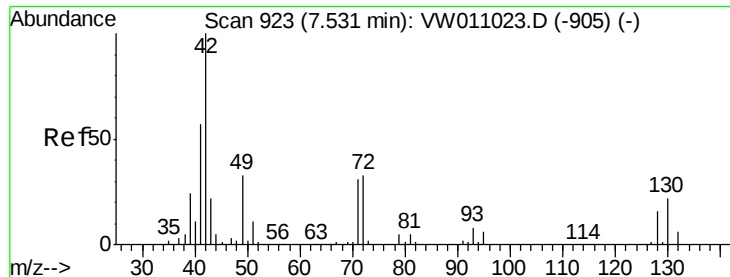
Tot Ion: 96 Resp: 30403
 Ion Ratio Lower Upper
 96 100
 61 169.2 0.0 330.4
 98 62.8 0.0 129.4



#28
 Bromochloromethane
 Concen: 10.897 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VW011021.D
 Acq: 27 Jun 2019 15:28

Tgt Ion: 49 Resp: 23908
 Ion Ratio Lower Upper
 49 100
 129 0.2 0.0 3.4
 130 58.6 46.1 69.1





#29

Tetrahydrofuran

Concen: 55.161 ug/l

RT: 7.52 min Scan# 922

Delta R.T. -0.01 min

Lab File: VW011021.D

Acq: 27 Jun 2019 15:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

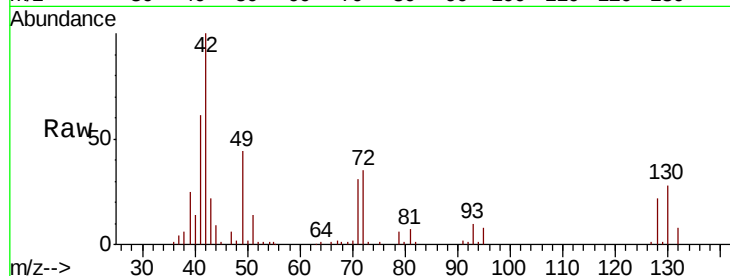
Tot Ion: 42 Resp: 34366

Ion Ratio Lower Upper

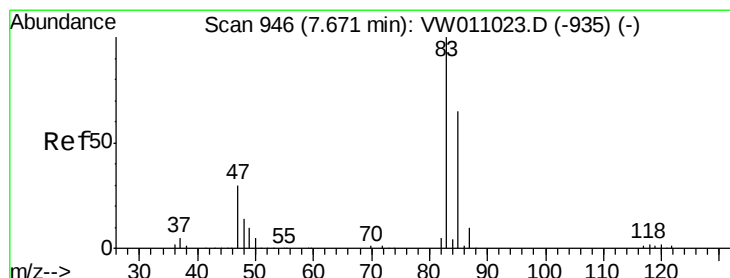
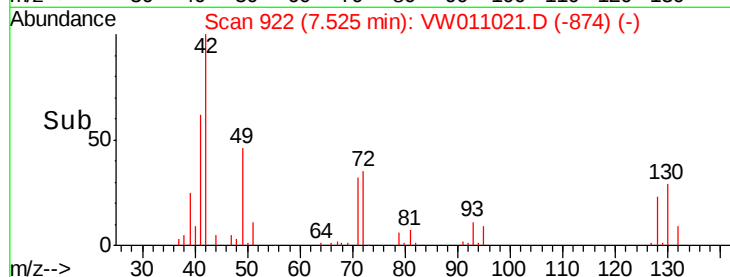
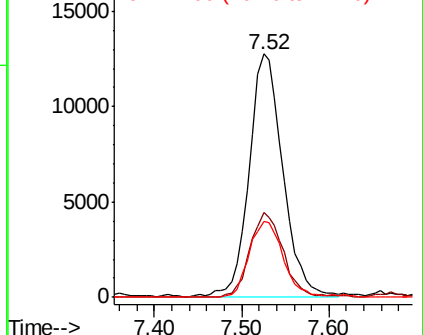
42 100

72 34.4 27.4 41.0

71 31.4 25.6 38.4



Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW



#30

Chloroform

Concen: 11.354 ug/l

RT: 7.67 min Scan# 946

Delta R.T. 0.00 min

Lab File: VW011021.D

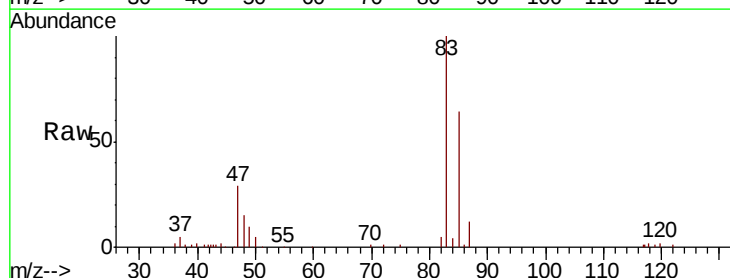
Acq: 27 Jun 2019 15:28

Tgt Ion: 83 Resp: 49741

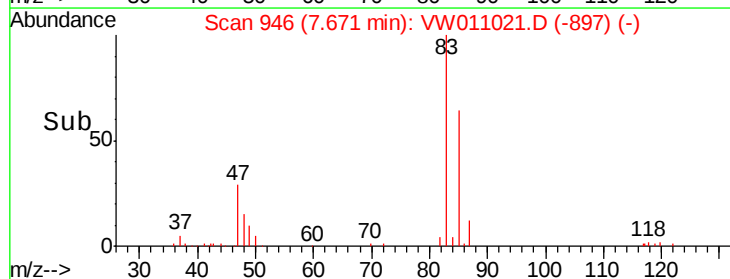
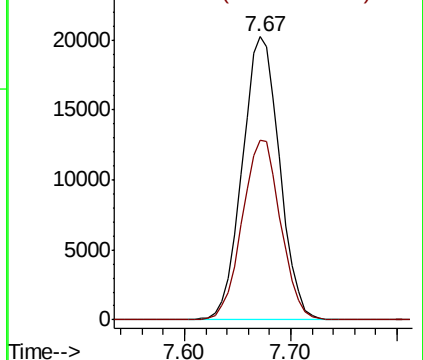
Ion Ratio Lower Upper

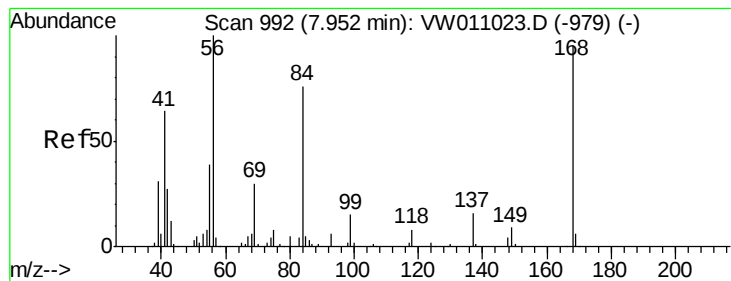
83 100

85 63.6 52.2 78.4



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW





#31

Cyclohexane

Concen: 11.511 ug/l

RT: 7.95 min Scan# 992

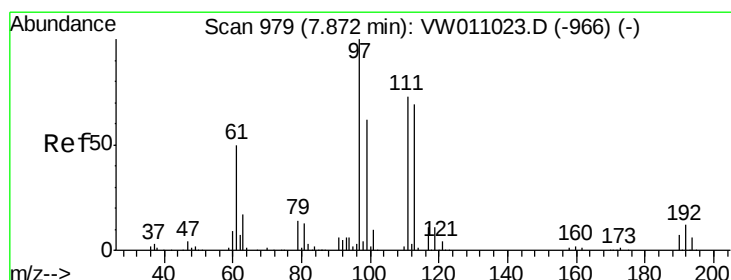
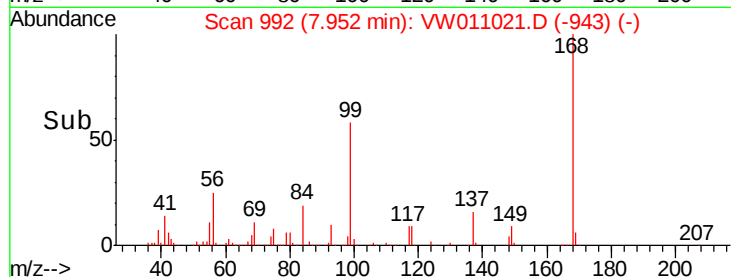
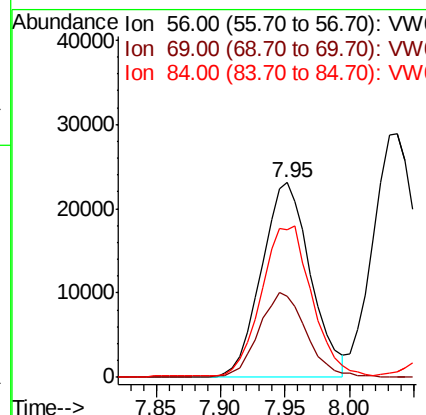
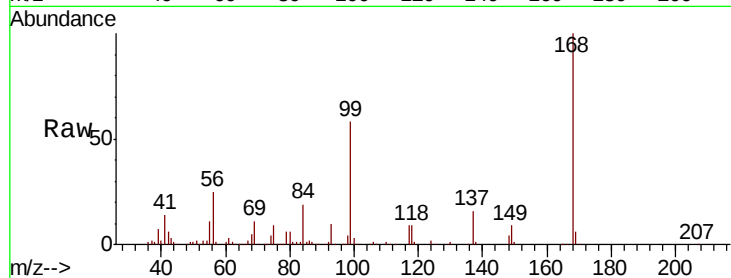
Delta R.T. 0.00 min

Lab File: VW011021.D

Acq: 27 Jun 2019 15:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion:	56	Resp:	61011
Ion	Ratio	Lower	Upper
56	100		
69	41.9	24.2	36.2#
84	74.8	60.6	90.8



#32

1,1,1-Trichloroethane

Concen: 9.992 ug/l

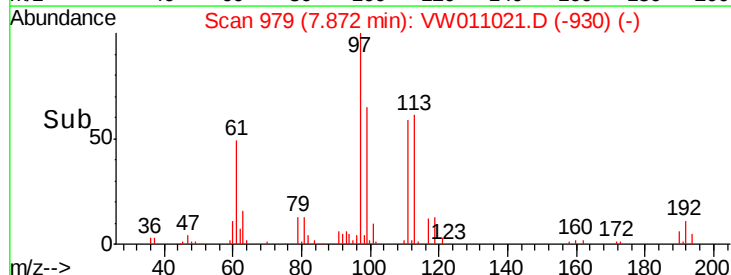
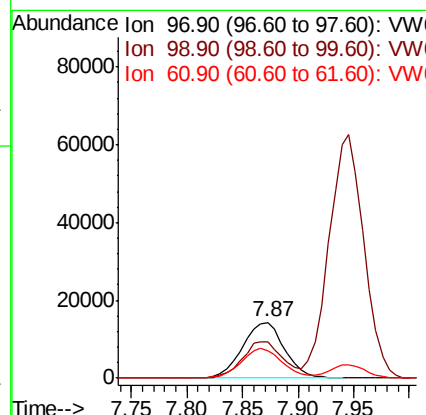
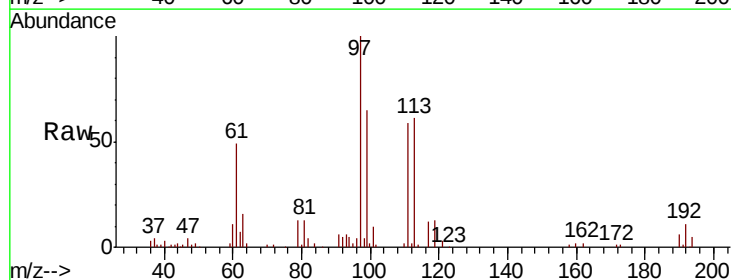
RT: 7.87 min Scan# 979

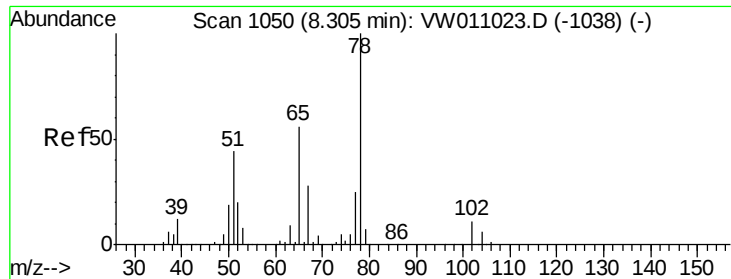
Delta R.T. 0.00 min

Lab File: VW011021.D

Acq: 27 Jun 2019 15:28

Tgt Ion:	97	Resp:	37307
Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.1	76.7
61	53.1	41.4	62.2

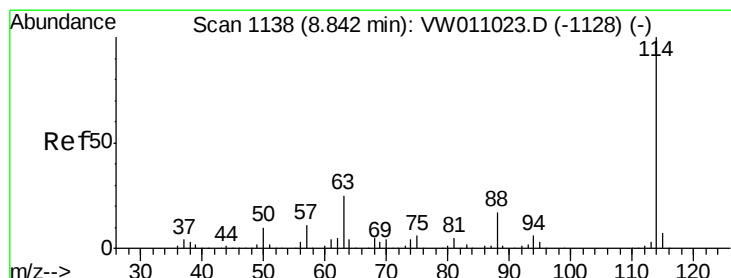
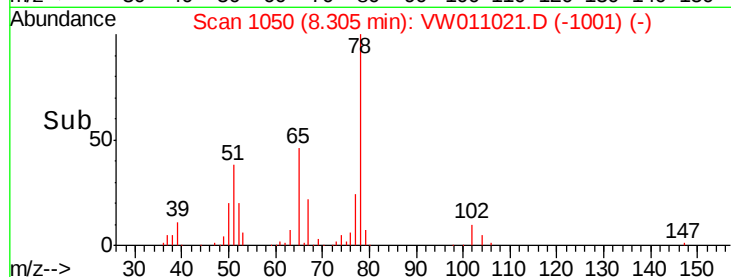
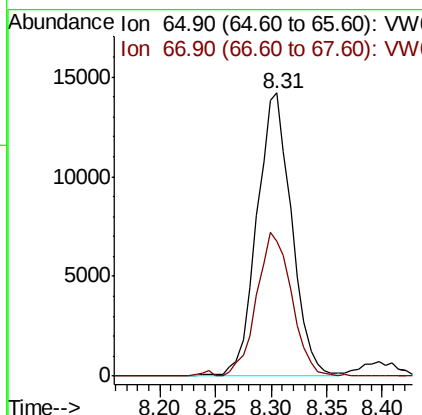
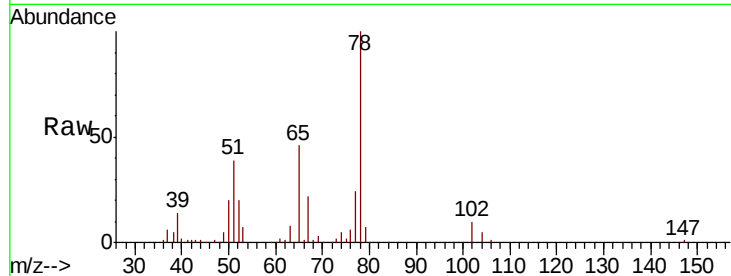




#33
 1,2-Dichloroethane-d4
 Concen: 11.351 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW011021.D
 Acq: 27 Jun 2019 15:28

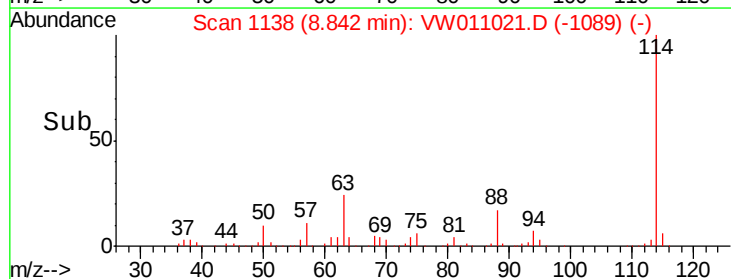
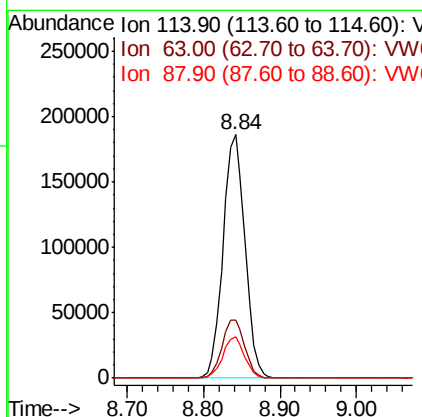
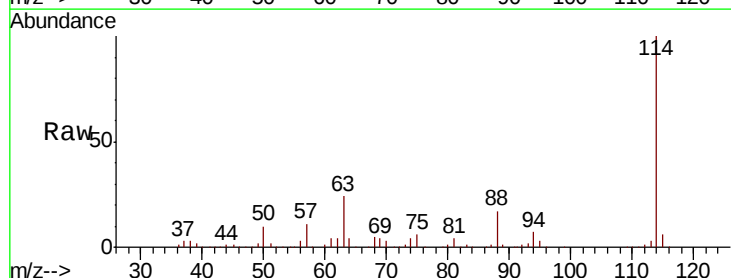
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

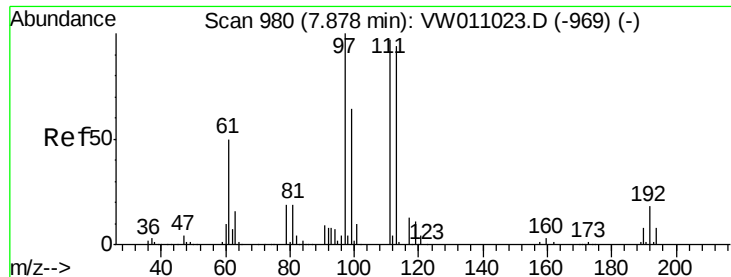
Tot Ion: 65 Resp: 30857
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011021.D
 Acq: 27 Jun 2019 15:28

Tgt Ion: 114 Resp: 367731
 Ion Ratio Lower Upper
 114 100
 63 24.0 0.0 50.6
 88 16.8 0.0 34.0

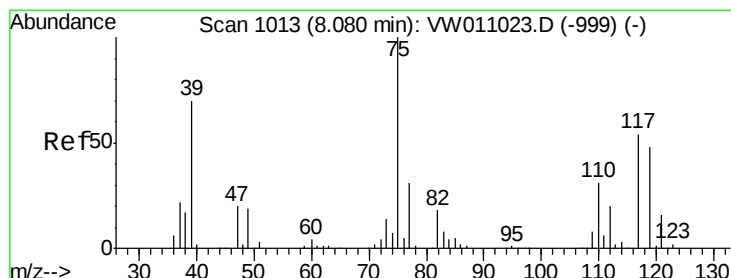
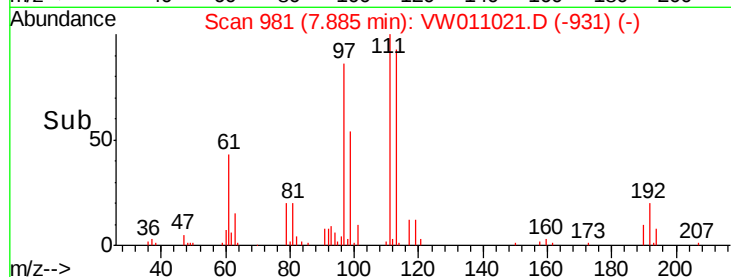
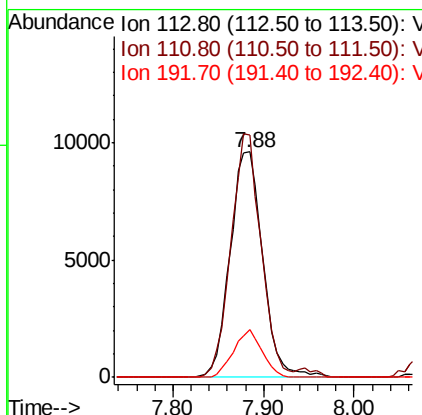
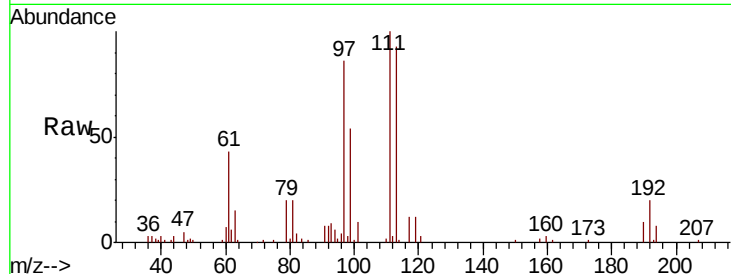




#35
 Dibromofluoromethane
 Concen: 11.560 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VW011021.D
 Acq: 27 Jun 2019 15:28

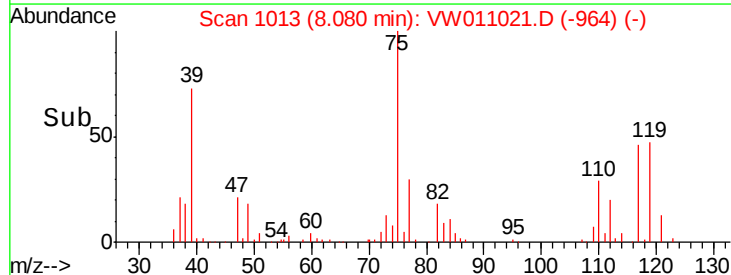
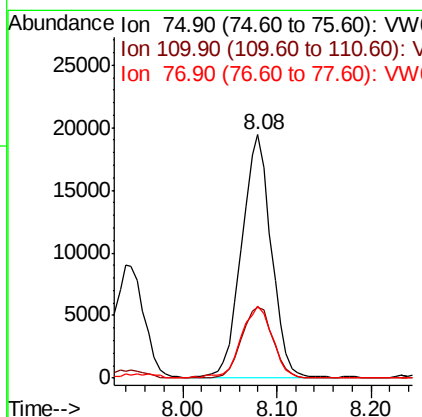
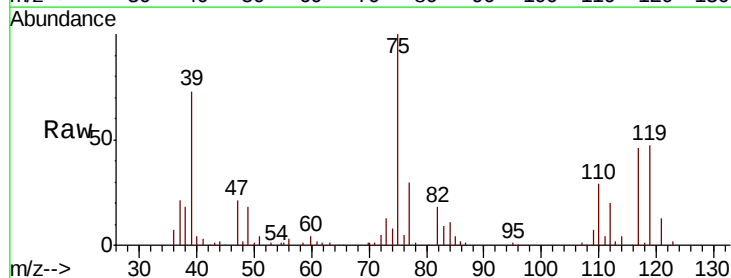
Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC010

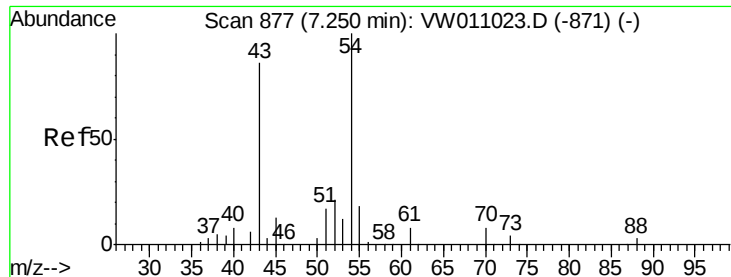
Tot Ion	Ratio	Lower	Upper
113	100		
111	99.2	83.8	125.6
192	18.5	16.0	24.0



#36
 1,1-Dichloropropene
 Concen: 11.172 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW011021.D
 Acq: 27 Jun 2019 15:28

Tgt Ion	Ratio	Lower	Upper
75	100		
110	30.8	15.5	46.5
77	31.4	24.9	37.3

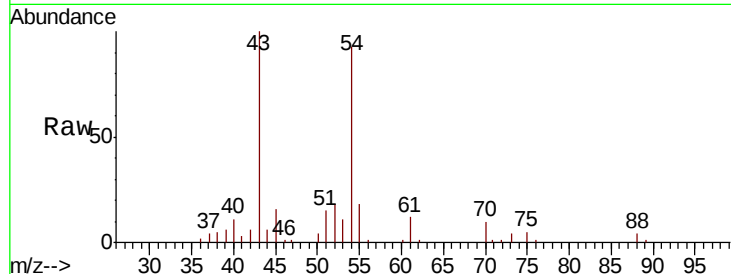




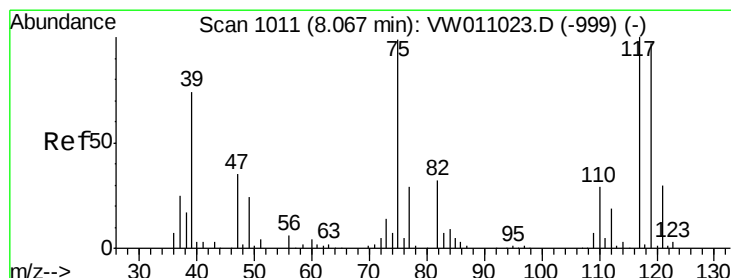
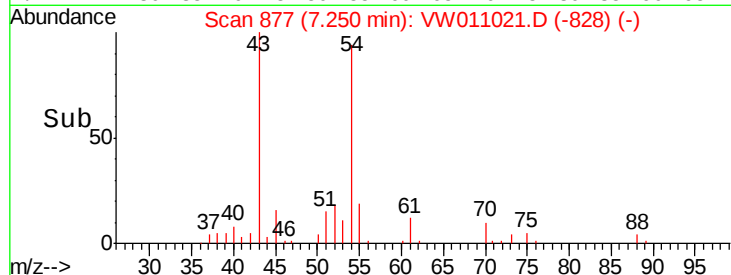
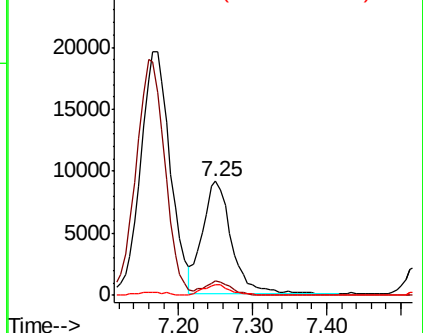
#37
Ethyl Acetate
Concen: 11.464 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW011021.D
Acq: 27 Jun 2019 15:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion: 43 Resp: 24506
Ion Ratio Lower Upper
43 100
61 11.7 9.0 13.4
70 9.0 7.2 10.8

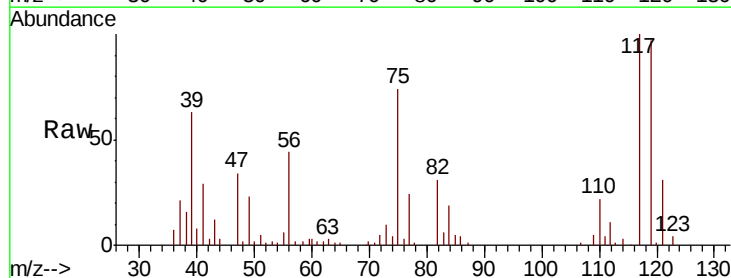


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 70.00 (69.70 to 70.70): VW

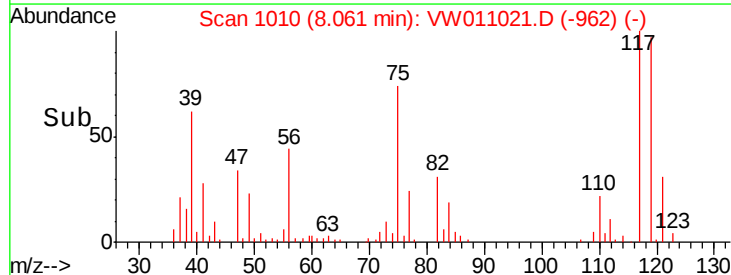
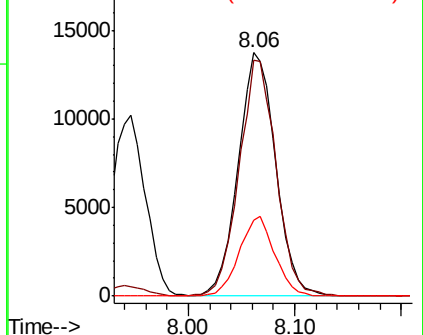


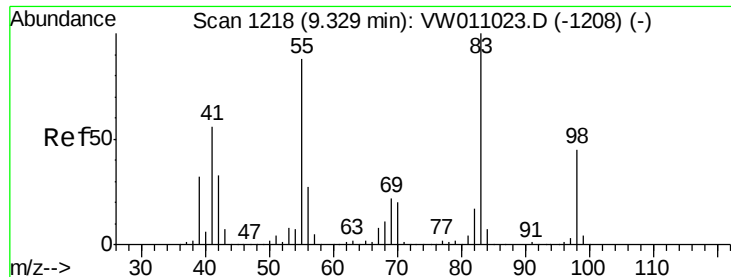
#38
Carbon Tetrachloride
Concen: 10.420 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW011021.D
Acq: 27 Jun 2019 15:28

Tgt Ion: 117 Resp: 33882
Ion Ratio Lower Upper
117 100
119 97.1 77.7 116.5
121 31.3 23.9 35.9



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

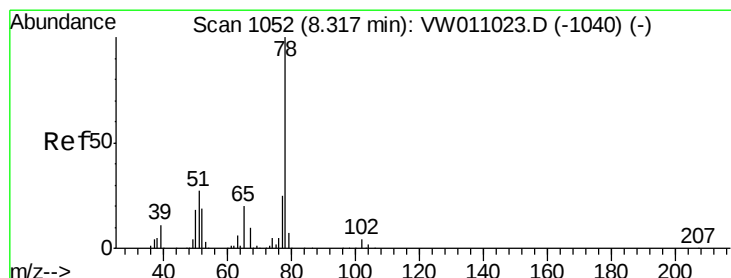
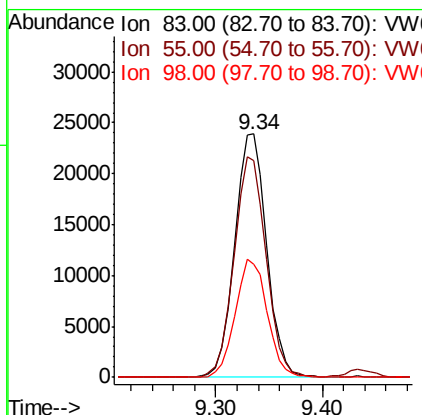
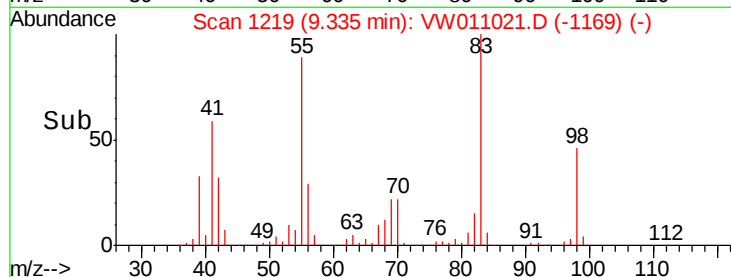
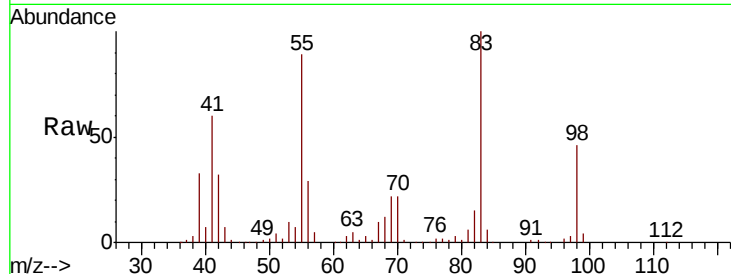




#39
Methvlcvclohexane
Concen: 10.499 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.01 min
Lab File: VW011021.D
Acq: 27 Jun 2019 15:28

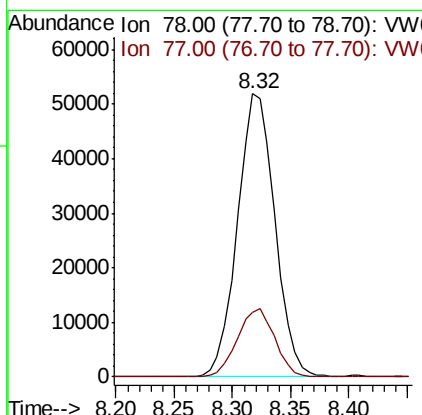
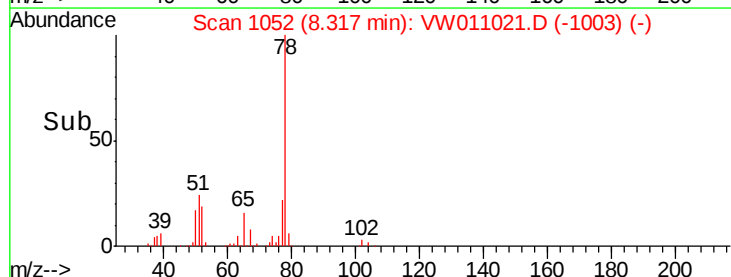
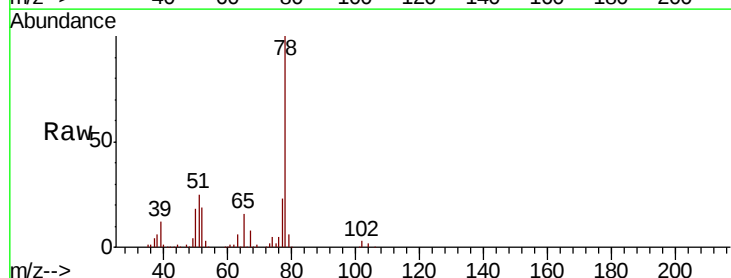
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

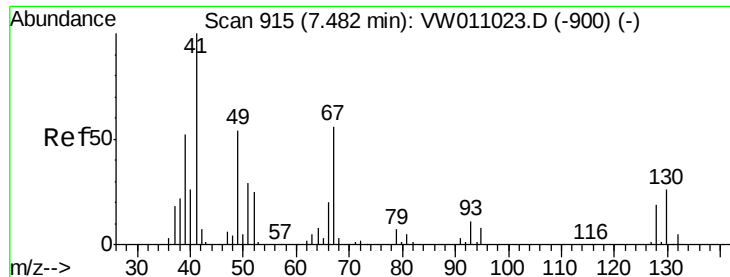
Tot Ion: 83 Resp: 50362
Ion Ratio Lower Upper
83 100
55 89.2 70.7 106.1
98 46.3 36.4 54.6



#40
Benzene
Concen: 11.190 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VW011021.D
Acq: 27 Jun 2019 15:28

Tgt Ion: 78 Resp: 116327
Ion Ratio Lower Upper
78 100
77 22.6 19.7 29.5

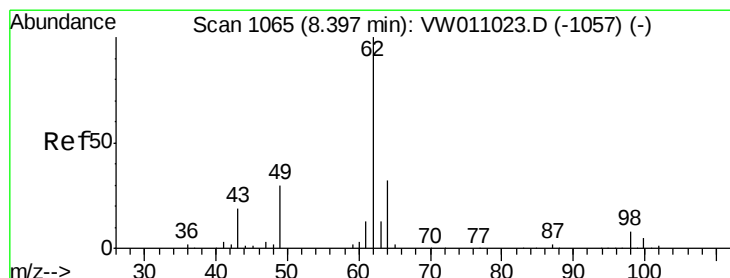
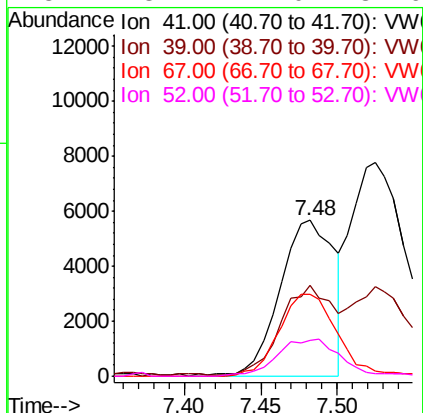
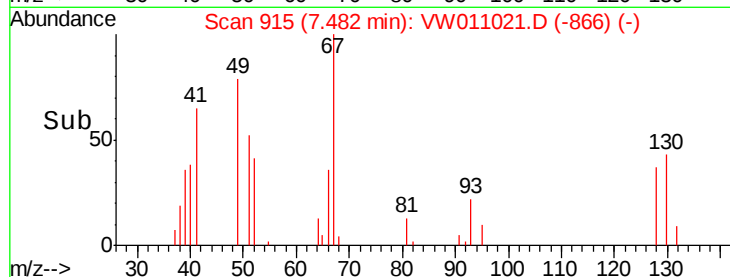
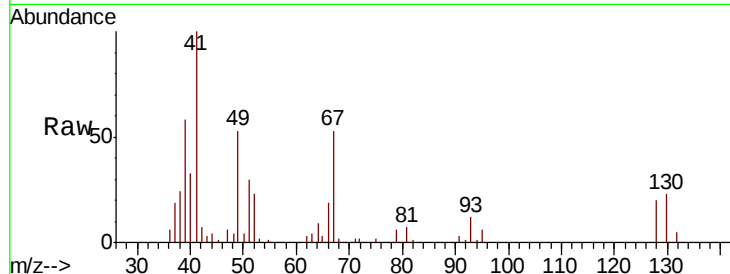




#41
Methacrylonitrile
Concen: 11.041 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW011021.D
Acq: 27 Jun 2019 15:28

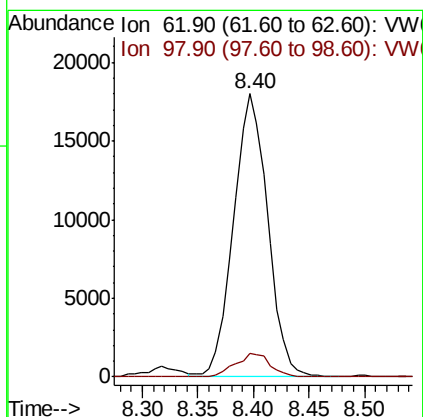
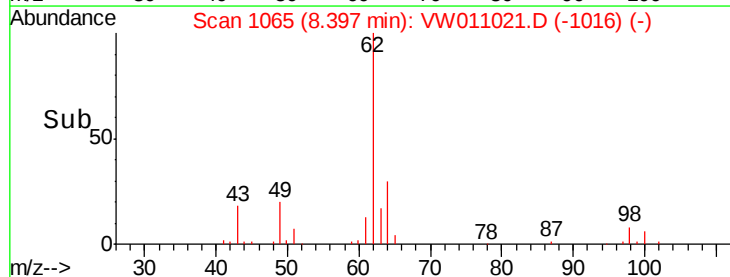
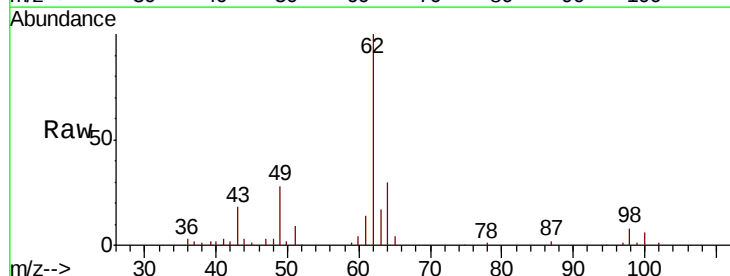
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

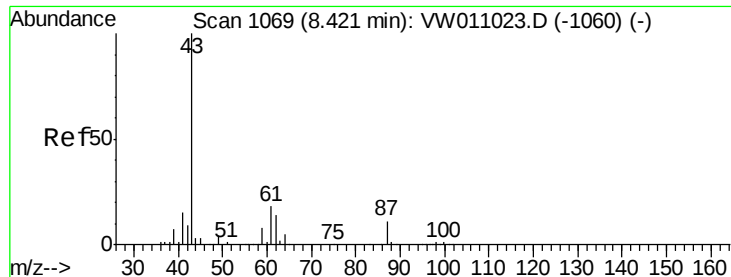
Tot Ion:	41	Resp:	14097
Ion	Ratio	Lower	Upper
41	100		
39	54.3	42.1	63.1
67	56.2	44.2	66.2
52	28.2	21.0	31.6



#42
1,2-Dichloroethane
Concen: 11.604 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW011021.D
Acq: 27 Jun 2019 15:28

Tgt Ion:	62	Resp:	38426
Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	16.8





#43

Isopropyl Acetate

Concen: 10.730 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW011021.D

Acq: 27 Jun 2019 15:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

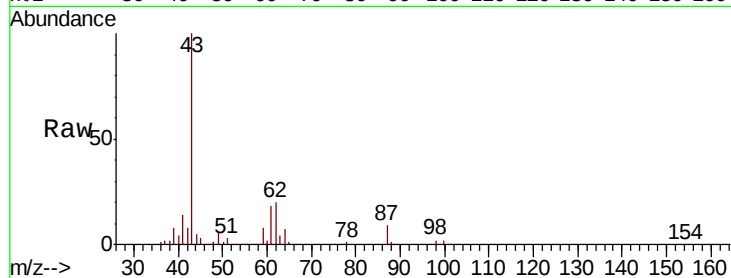
Tot Ion: 43 Resp: 44012

Ion Ratio Lower Upper

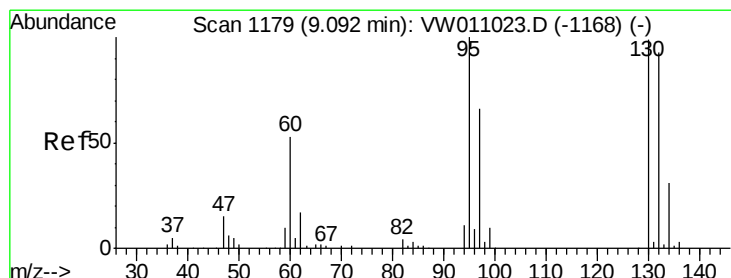
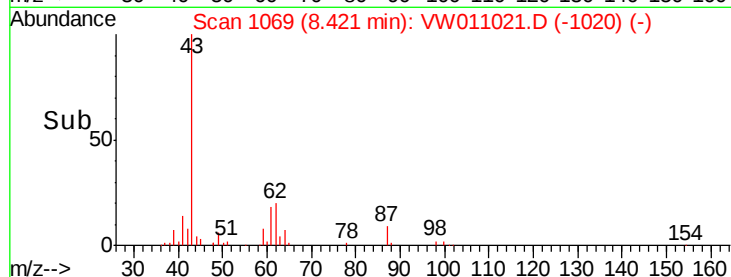
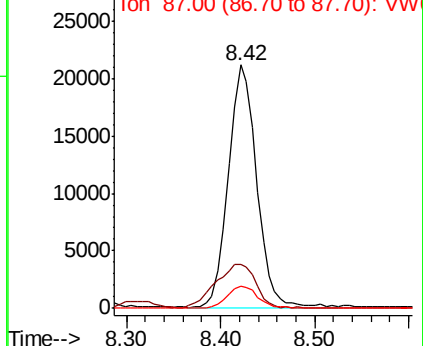
43 100

61 26.3 21.0 31.6

87 9.9 8.2 12.4



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: 10.826 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW011021.D

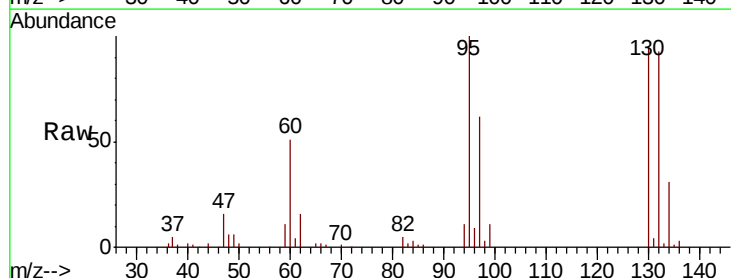
Acq: 27 Jun 2019 15:28

Tgt Ion: 130 Resp: 27657

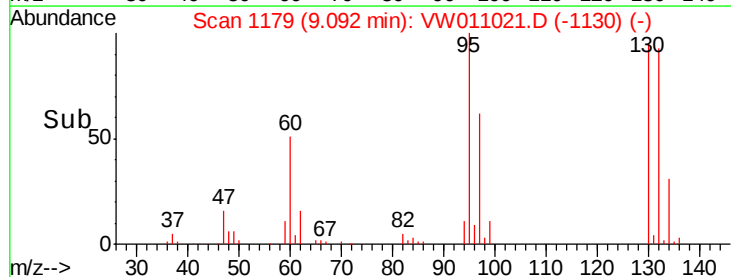
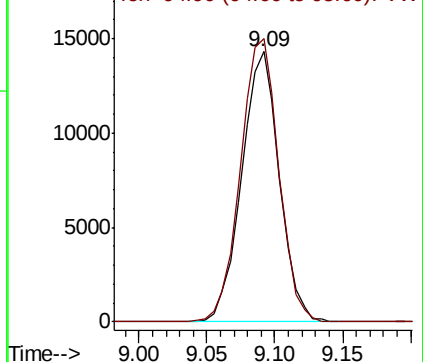
Ion Ratio Lower Upper

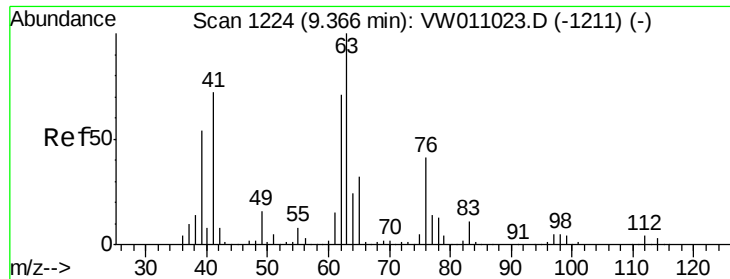
130 100

95 104.8 0.0 202.0



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VW

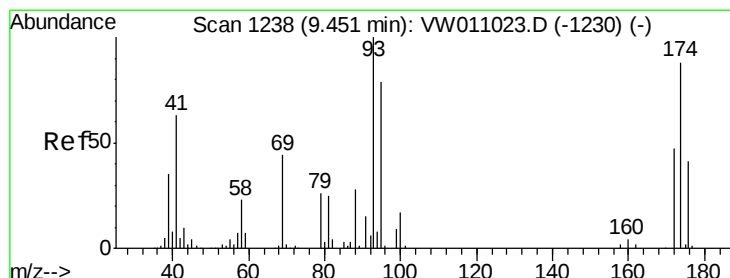
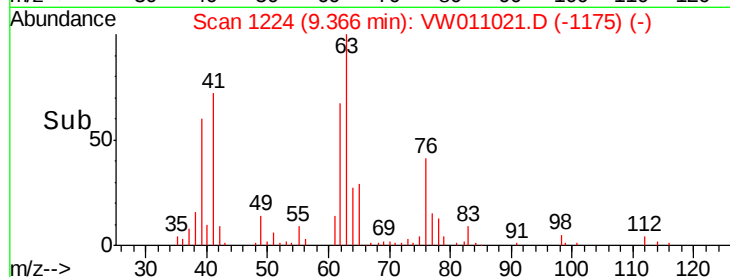
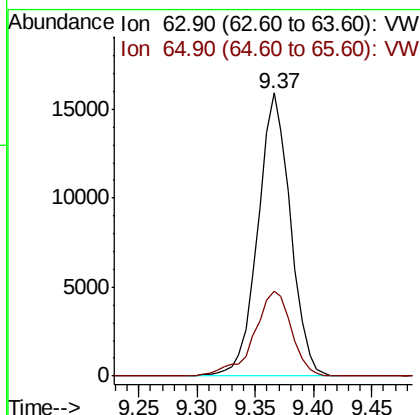
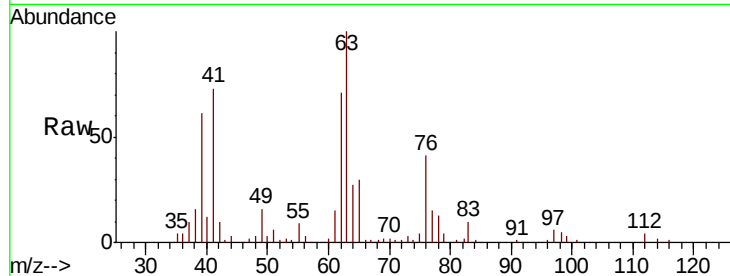




#45
 1,2-Dichloropropane
 Concen: 11.222 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW011021.D
 Acq: 27 Jun 2019 15:28

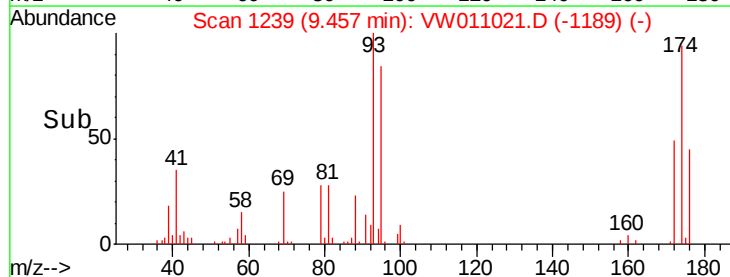
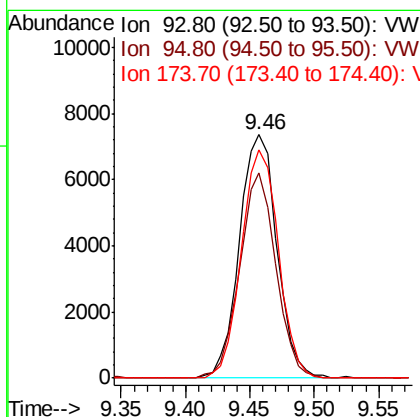
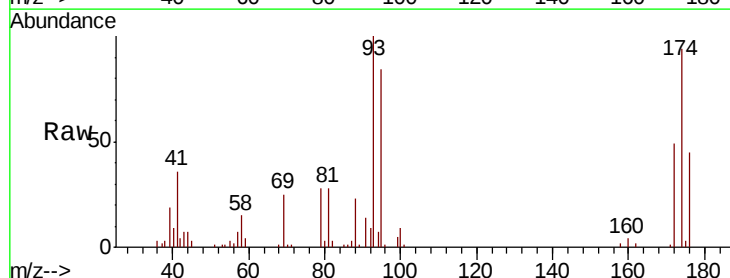
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

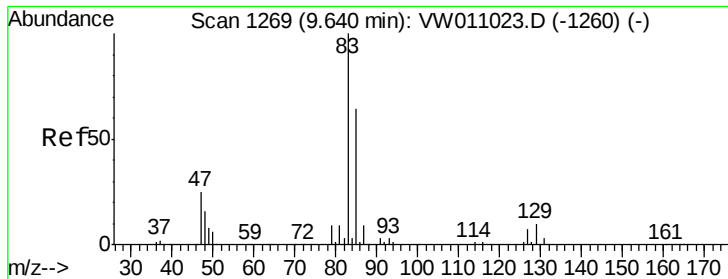
Tot Ion: 63 Resp: 30953
 Ion Ratio Lower Upper
 63 100
 65 29.9 25.6 38.4



#46
 Dibromomethane
 Concen: 11.544 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.01 min
 Lab File: VW011021.D
 Acq: 27 Jun 2019 15:28

Tgt Ion: 93 Resp: 14824
 Ion Ratio Lower Upper
 93 100
 95 81.1 65.8 98.6
 174 92.3 75.4 113.0





#47

Bromodichloromethane

Concen: 10.649 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW011021.D

Acq: 27 Jun 2019 15:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

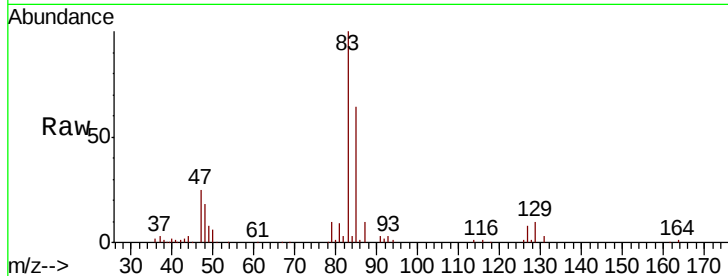
Tot Ion: 83 Resp: 35137

Ion Ratio Lower Upper

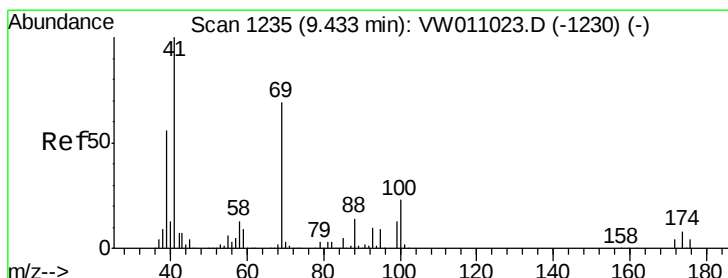
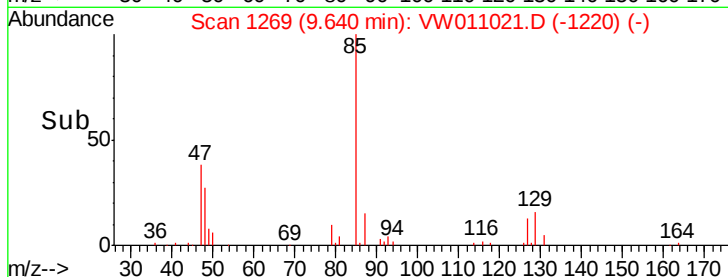
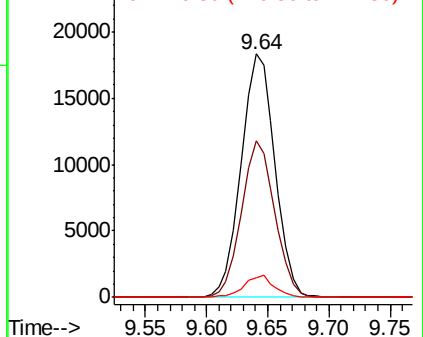
83 100

85 64.3 51.0 76.4

127 8.3 5.8 8.8



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): V



#48

Methyl methacrylate

Concen: 10.525 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VW011021.D

Acq: 27 Jun 2019 15:28

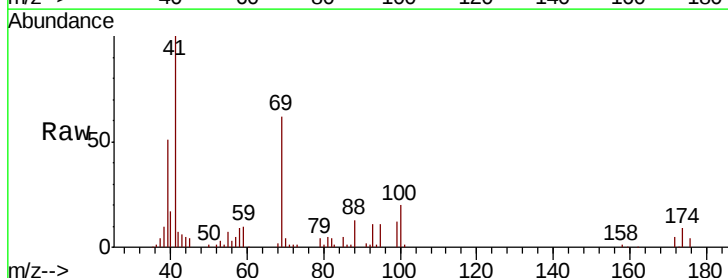
Tgt Ion: 41 Resp: 20819

Ion Ratio Lower Upper

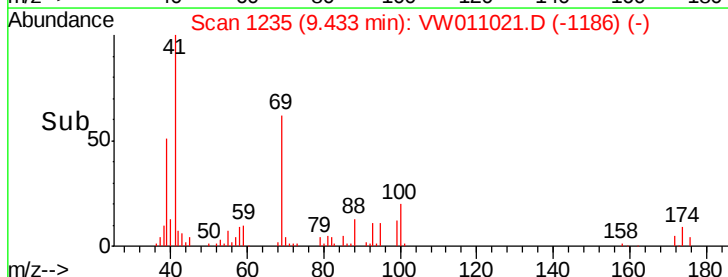
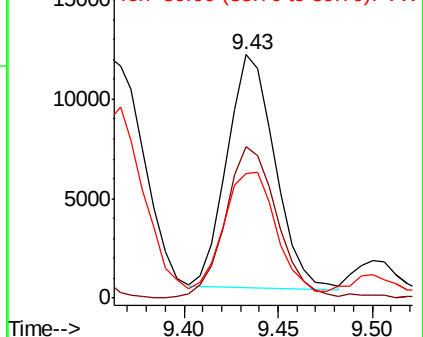
41 100

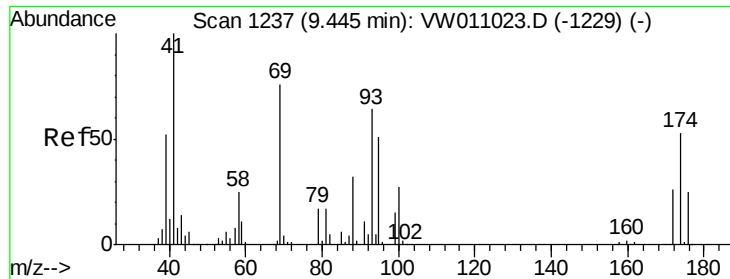
69 70.7 56.7 85.1

39 59.9 45.0 67.6



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: 228.086 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. -0.01 min

Lab File: VW011021.D

Acq: 27 Jun 2019 15:28

Instrument :

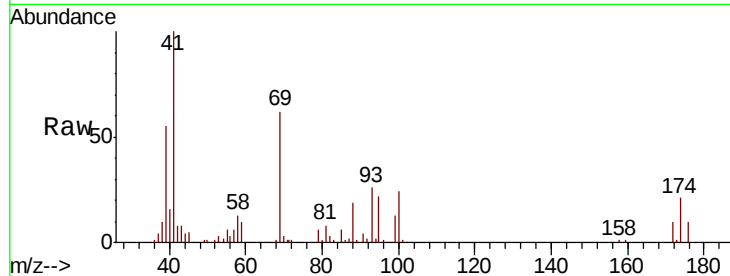
MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 88 Resp: 4719

Ion	Ratio	Lower	Upper
88	100		
43	41.4	34.4	51.6
58	83.7	65.2	97.8

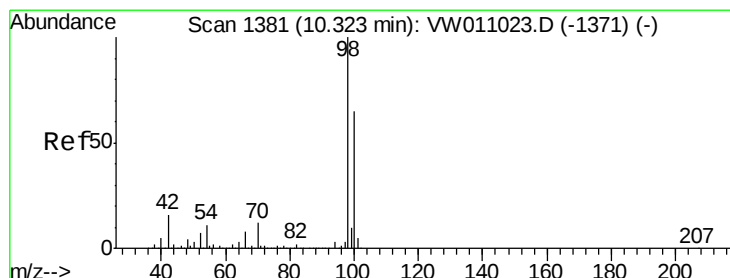
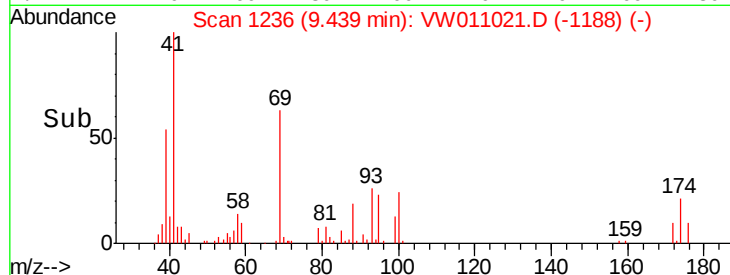
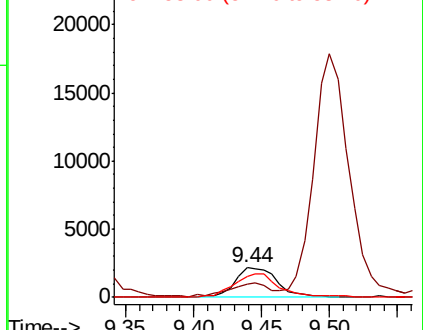


Abundance

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: 10.545 ug/l

RT: 10.32 min Scan# 1381

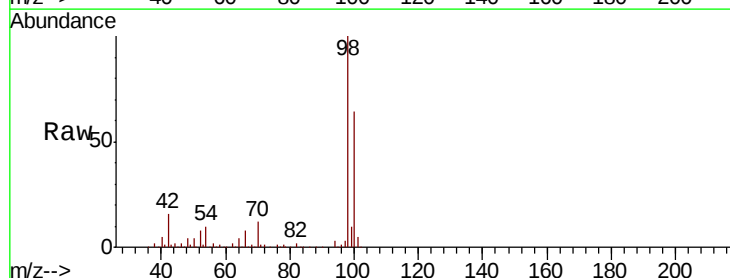
Delta R.T. 0.00 min

Lab File: VW011021.D

Acq: 27 Jun 2019 15:28

Tgt Ion: 98 Resp: 95994

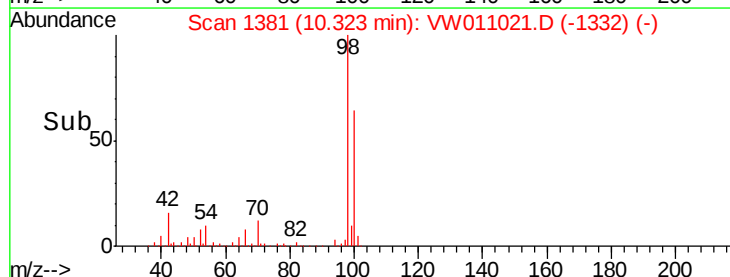
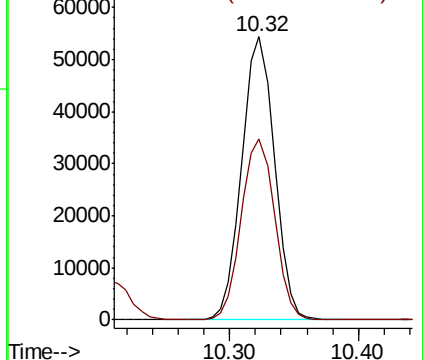
Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.3	78.5

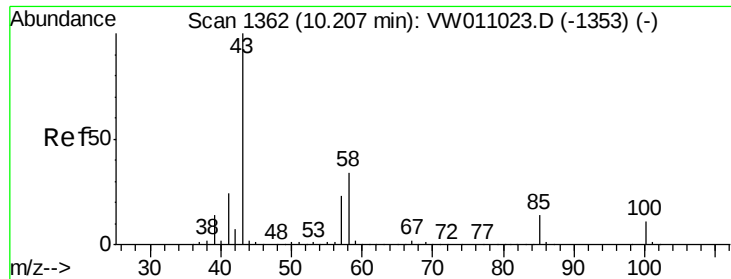


Abundance

Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 54.459 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW011021.D

Acq: 27 Jun 2019 15:28

Instrument :

MSVOA_W

ClientSampleId :

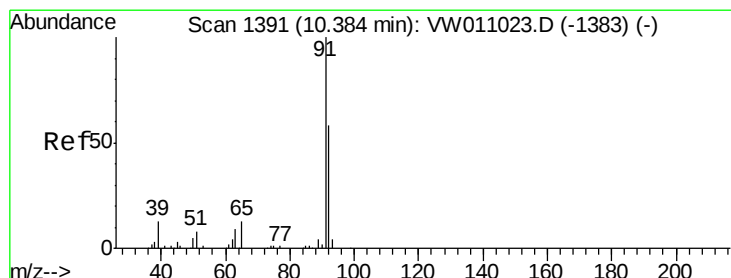
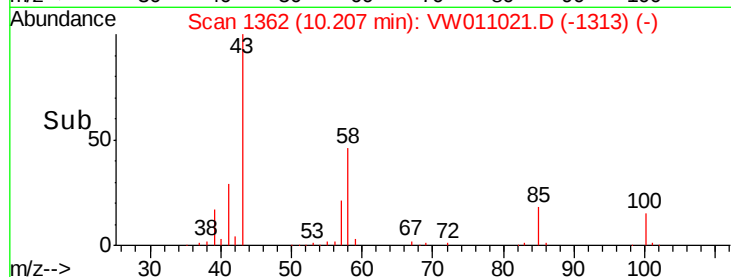
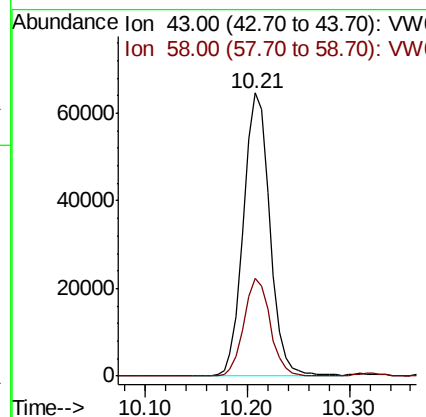
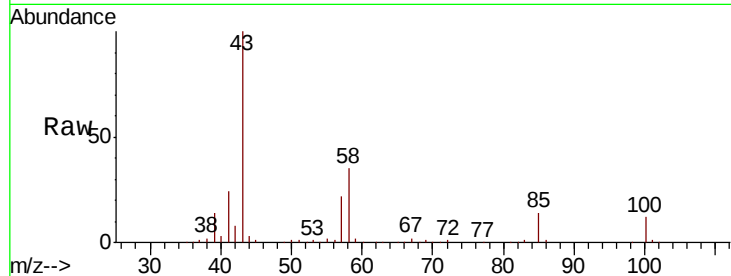
VSTDIC010

Tot Ion: 43 Resp: 114994

Ion Ratio Lower Upper

43 100

58 34.7 27.8 41.6



#52

Toluene

Concen: 10.924 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW011021.D

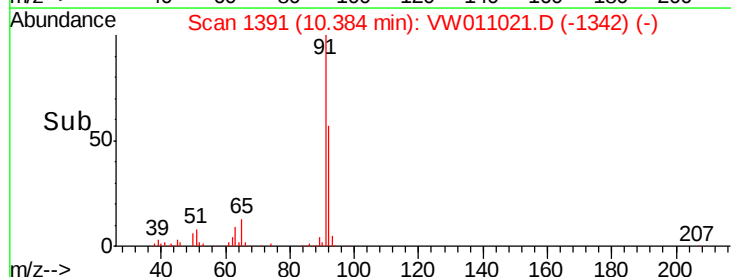
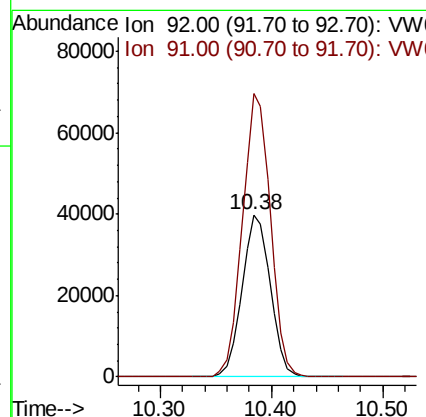
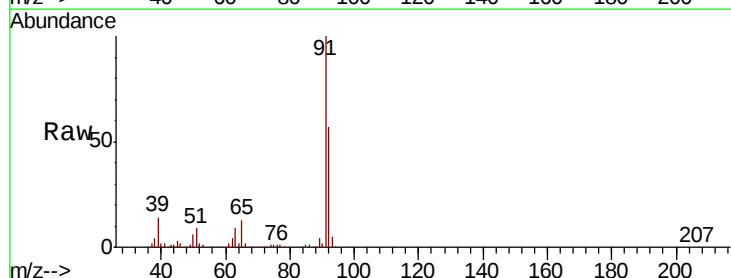
Acq: 27 Jun 2019 15:28

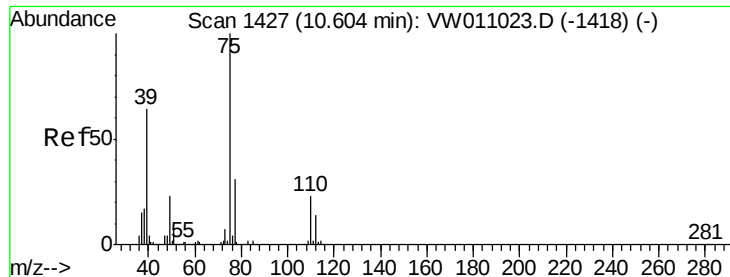
Tgt Ion: 92 Resp: 69779

Ion Ratio Lower Upper

92 100

91 173.6 136.9 205.3





#53

t-1,3-Dichloropropene

Concen: 9.970 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW011021.D

Acq: 27 Jun 2019 15:28

Instrument :

MSVOA_W

ClientSampleId :

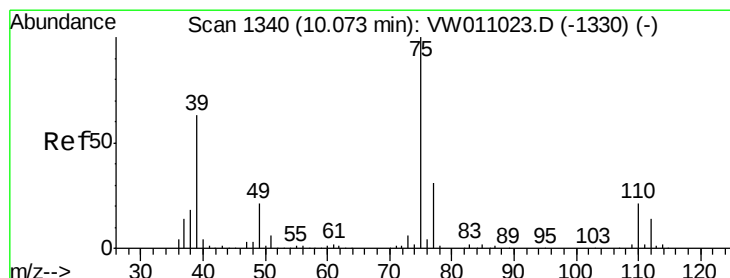
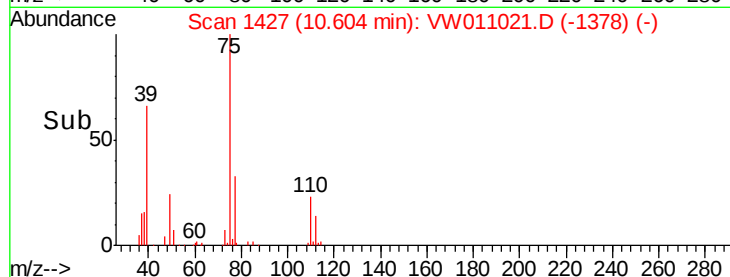
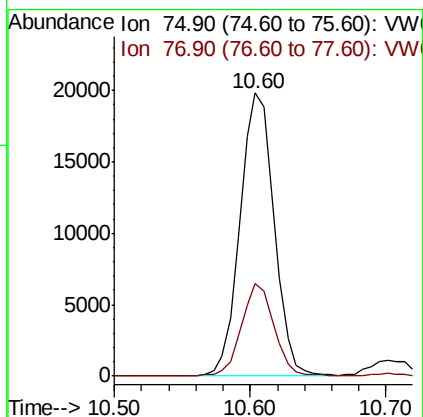
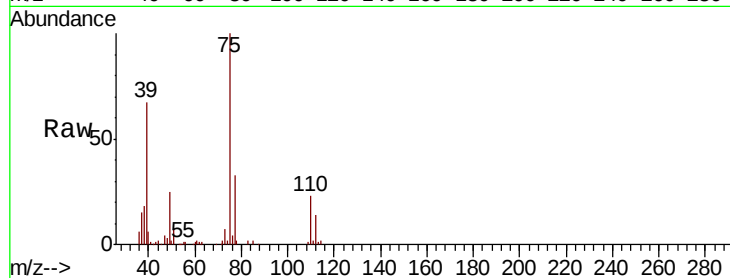
VSTDIC010

Tot Ion: 75 Resp: 34817

Ion Ratio Lower Upper

75 100

77 32.8 24.6 37.0



#54

cis-1,3-Dichloropropene

Concen: 10.382 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW011021.D

Acq: 27 Jun 2019 15:28

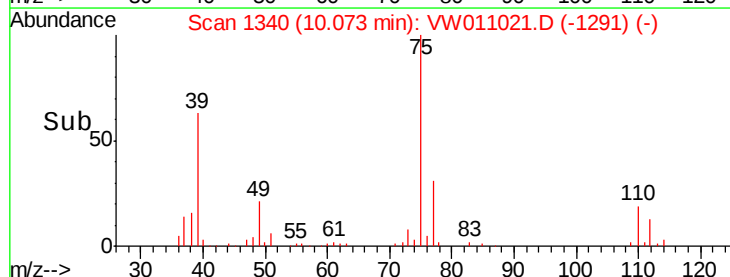
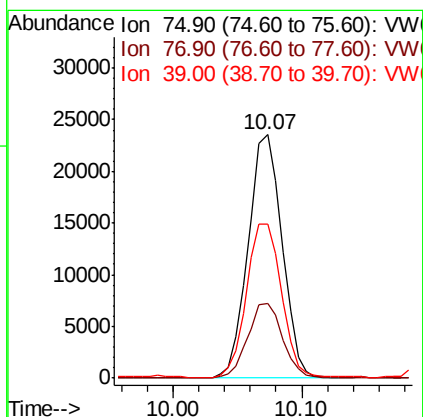
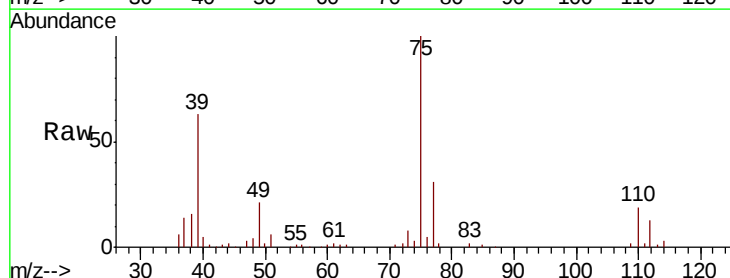
Tgt Ion: 75 Resp: 42775

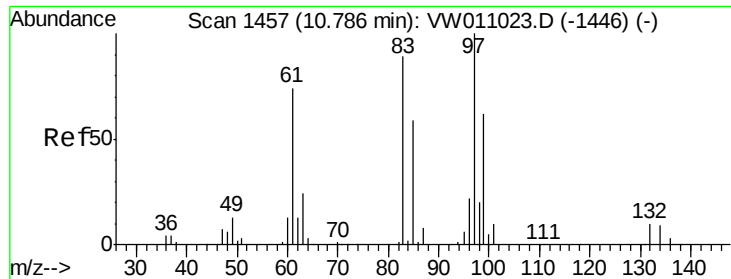
Ion Ratio Lower Upper

75 100

77 30.8 24.8 37.2

39 63.3 50.0 75.0

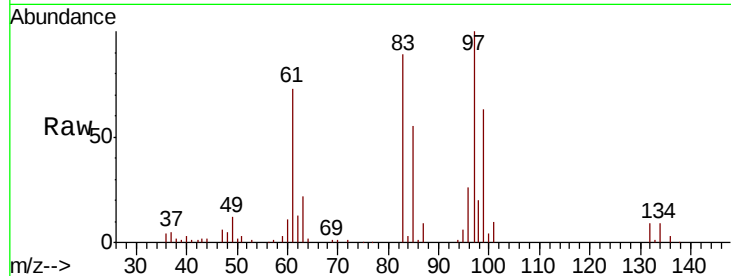




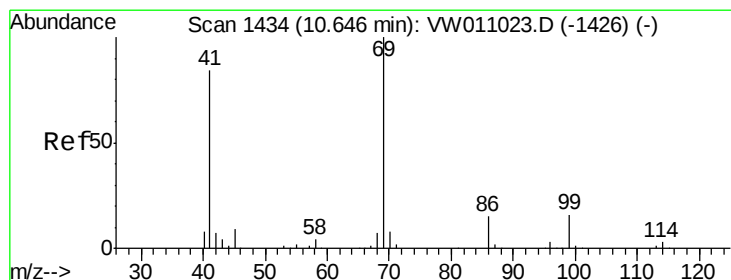
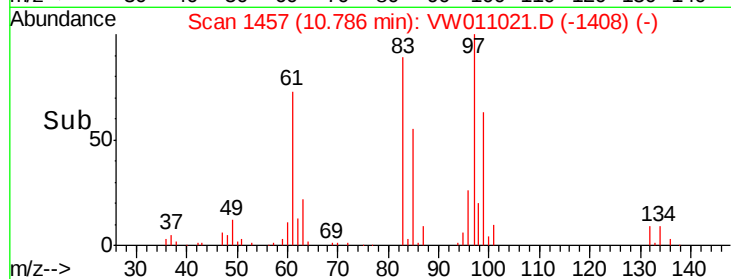
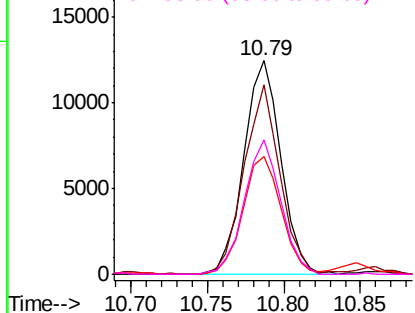
#55
 1,1,2-Trichloroethane
 Concen: 11.342 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW011021.D
 Acq: 27 Jun 2019 15:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion:	97	Resp:	20951
Ion	Ratio	Lower	Upper
97	100		
83	88.6	70.9	106.3
85	55.0	47.2	70.8
99	62.8	50.0	75.0

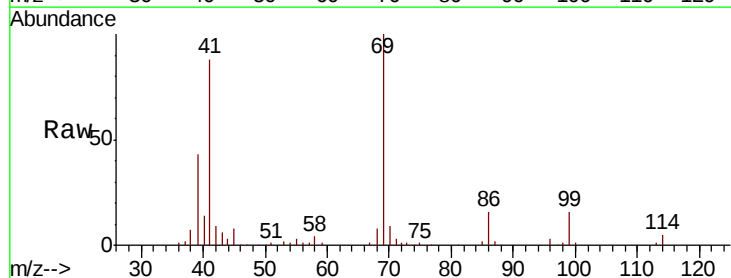


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

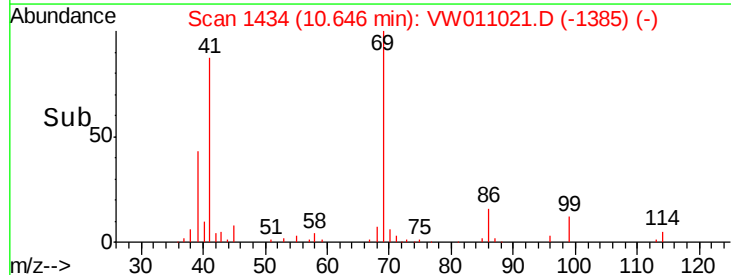
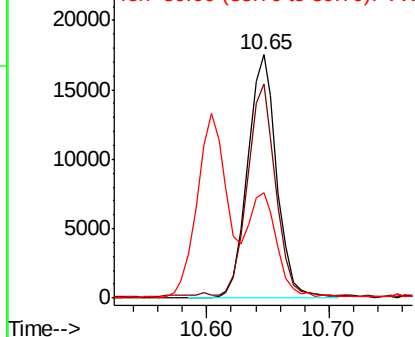


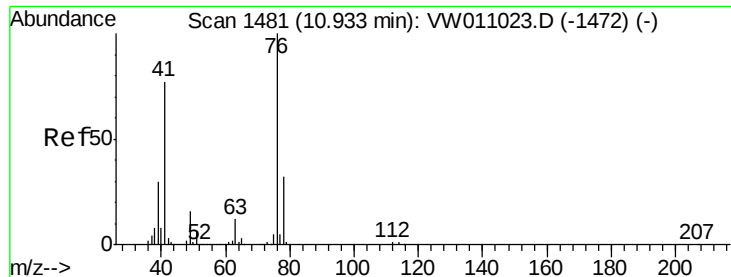
#56
 Ethyl methacrylate
 Concen: 10.264 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW011021.D
 Acq: 27 Jun 2019 15:28

Tgt Ion:	69	Resp:	29044
Ion	Ratio	Lower	Upper
69	100		
41	83.9	67.9	101.9
39	39.6	33.2	49.8



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

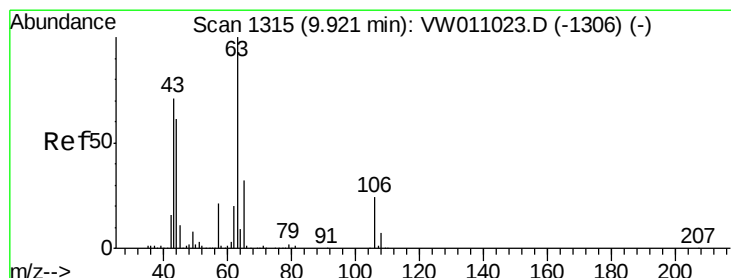
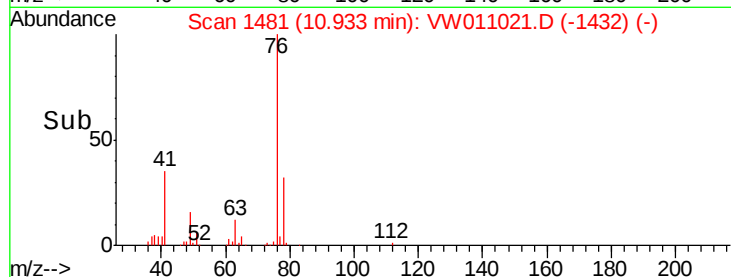
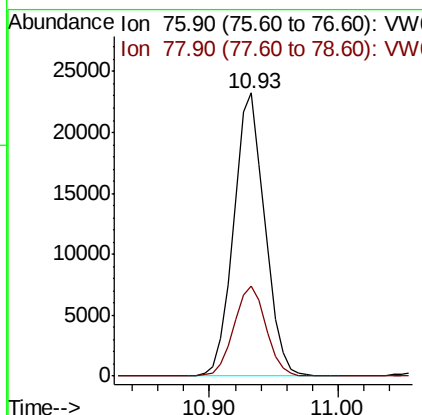
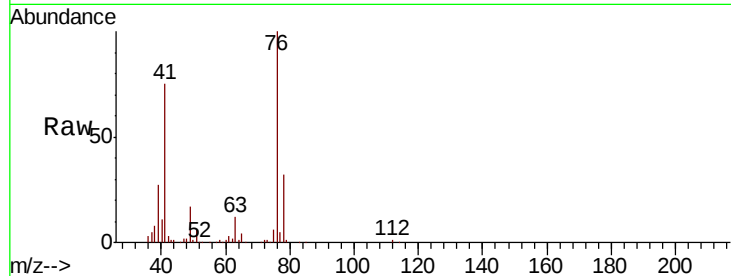




#57
 1,3-Dichloropropane
 Concen: 11.207 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW011021.D
 Acq: 27 Jun 2019 15:28

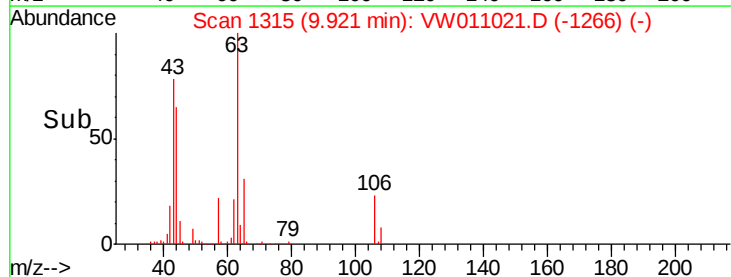
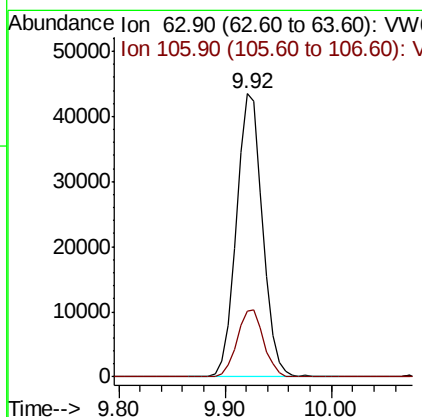
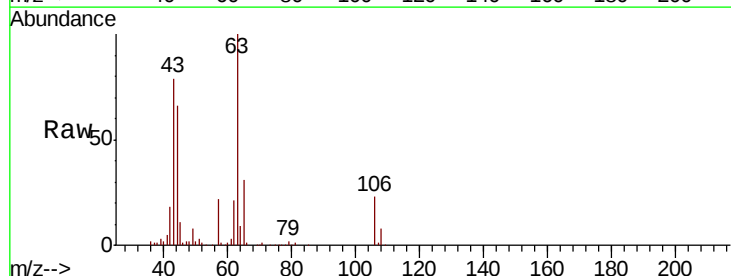
Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC010

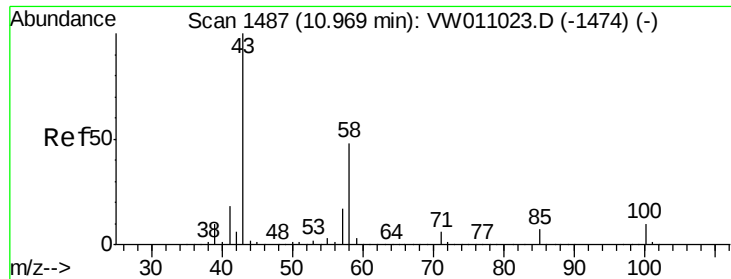
Tot Ion: 76 Resp: 38992
 Ion Ratio Lower Upper
 76 100
 78 32.8 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 51.074 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW011021.D
 Acq: 27 Jun 2019 15:28

Tgt Ion: 63 Resp: 75278
 Ion Ratio Lower Upper
 63 100
 106 23.9 19.4 29.0





#59

2-Hexanone

Concen: 51.385 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW011021.D

Acq: 27 Jun 2019 15:28

Instrument :

MSVOA_W

ClientSampleId :

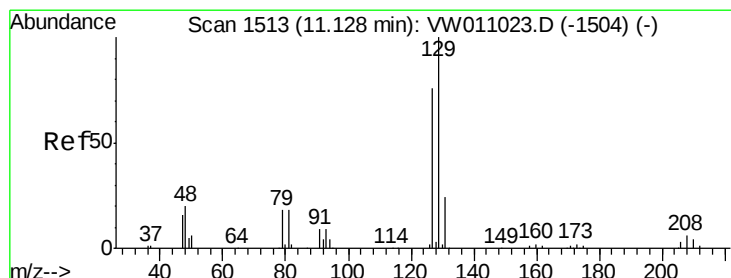
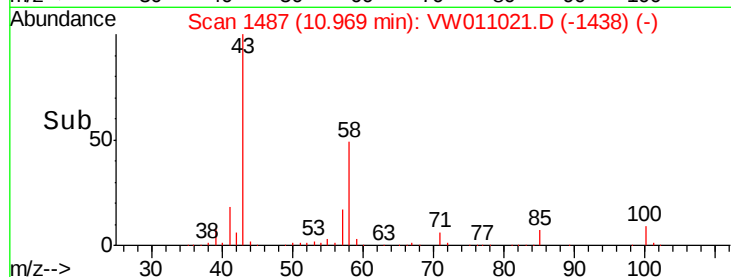
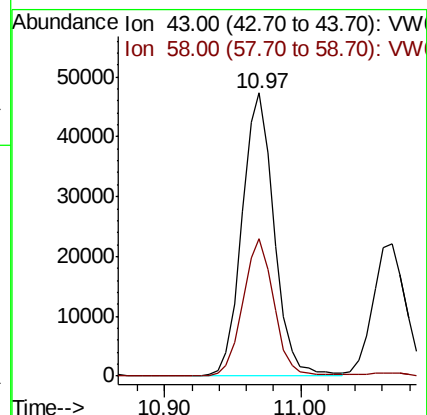
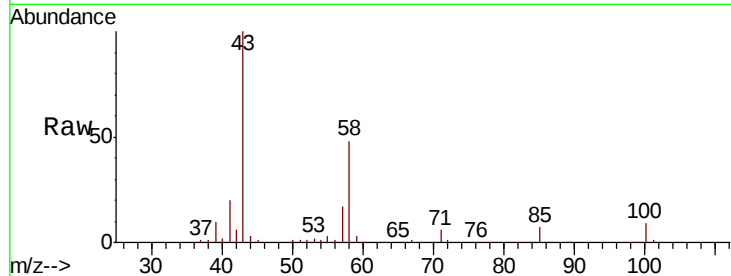
VSTDIC010

Tot Ion: 43 Resp: 77998

Ion Ratio Lower Upper

43 100

58 47.2 23.8 71.5



#60

Dibromochloromethane

Concen: 9.944 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW011021.D

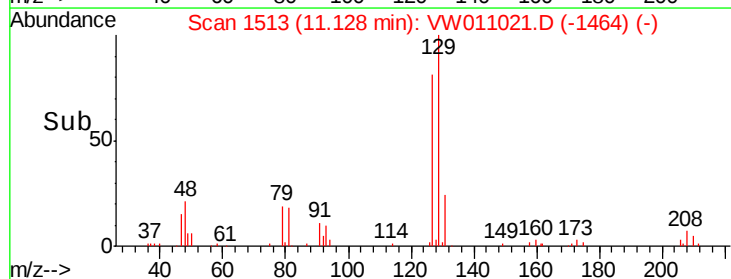
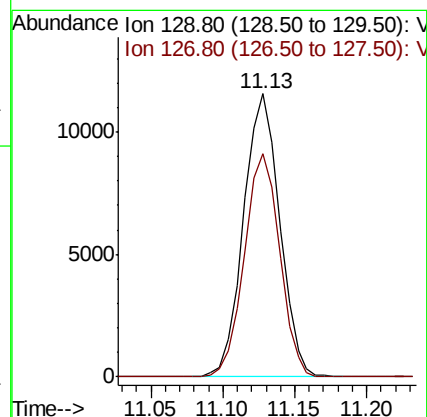
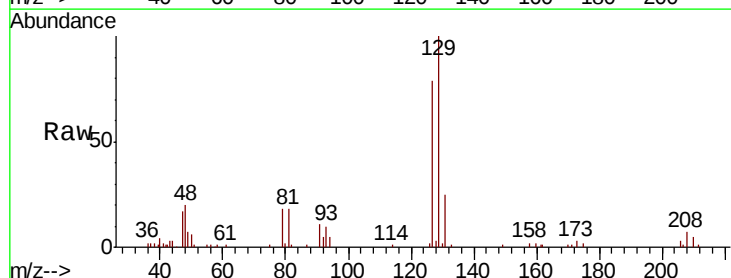
Acq: 27 Jun 2019 15:28

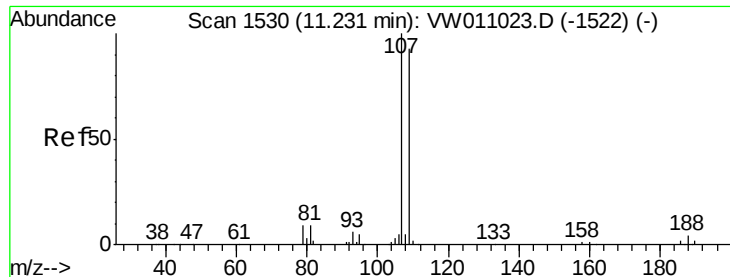
Tgt Ion: 129 Resp: 20118

Ion Ratio Lower Upper

129 100

127 76.8 39.4 118.1





#61

1,2-Dibromoethane

Concen: 10.638 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.01 min

Lab File: VW011021.D

Acq: 27 Jun 2019 15:28

Instrument :

MSVOA_W

ClientSampleId :

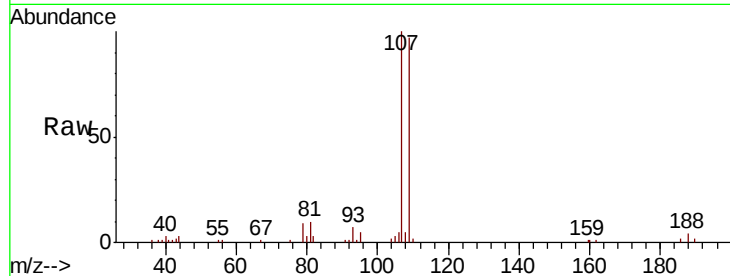
VSTDIC010

Tot Ion:107 Resp: 18550

Ion Ratio Lower Upper

107 100

109 96.0 75.1 112.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.24

10000

8000

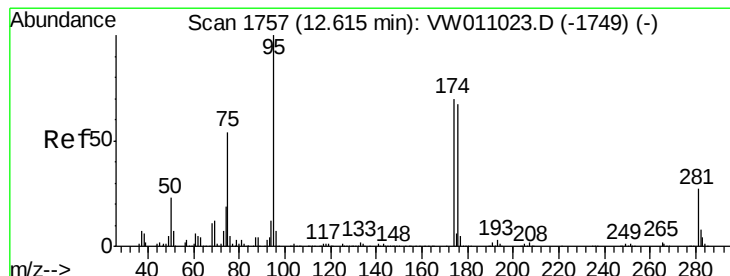
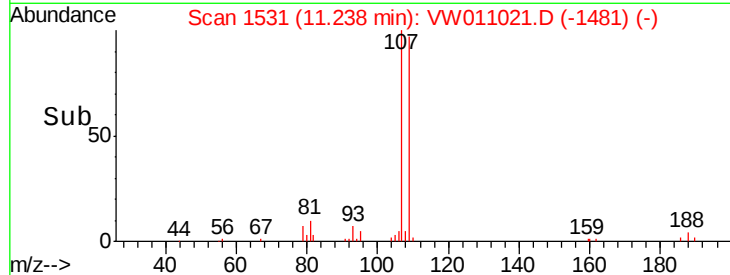
6000

4000

2000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 10.636 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.01 min

Lab File: VW011021.D

Acq: 27 Jun 2019 15:28

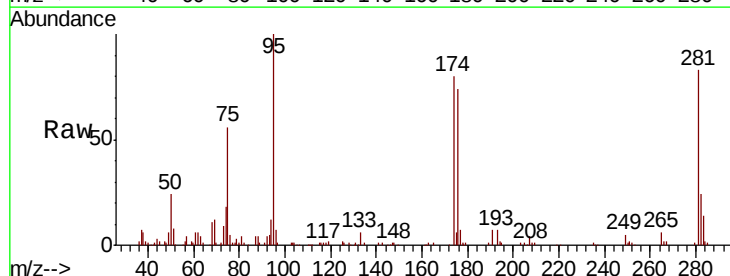
Tgt Ion: 95 Resp: 35231

Ion Ratio Lower Upper

95 100

174 74.0 0.0 149.2

176 71.0 0.0 143.6



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

25000

20000

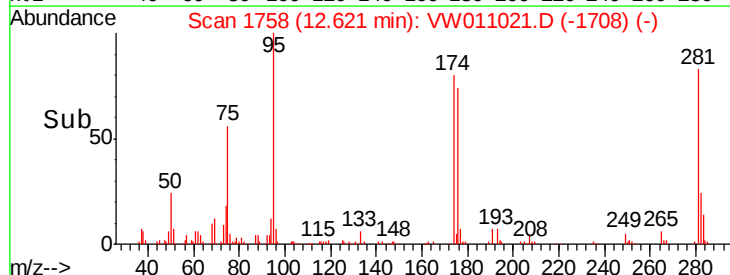
15000

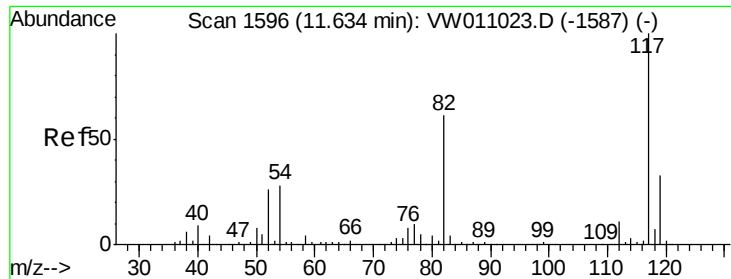
10000

5000

0

Time-->

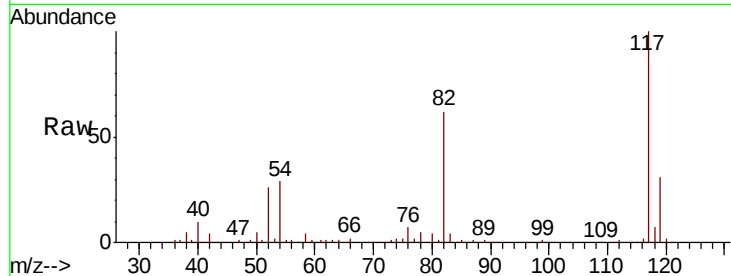




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW011021.D
Acq: 27 Jun 2019 15:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.7	48.6	73.0
119	30.8	26.1	39.1

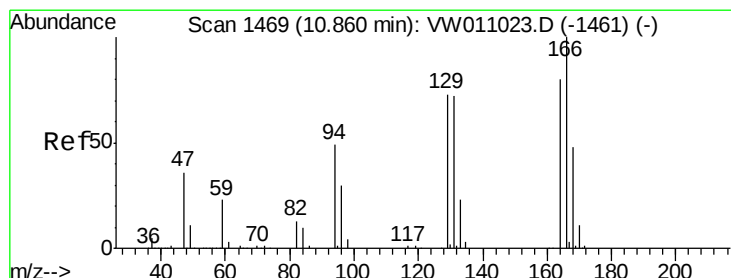
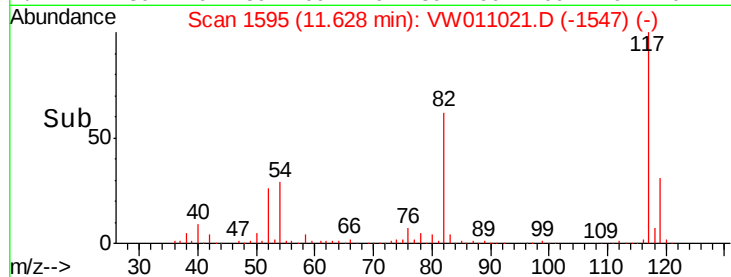
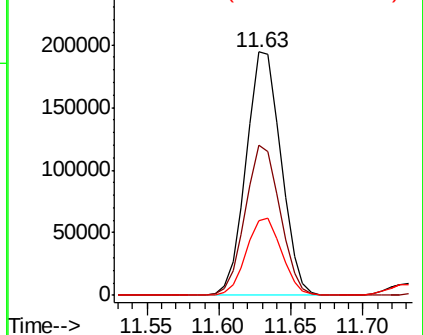


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 11.095 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW011021.D
Acq: 27 Jun 2019 15:28

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.2	99.8	149.6
129	97.0	73.0	109.4
131	90.3	71.4	107.0

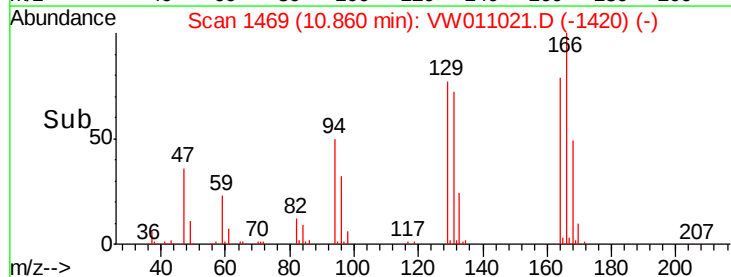
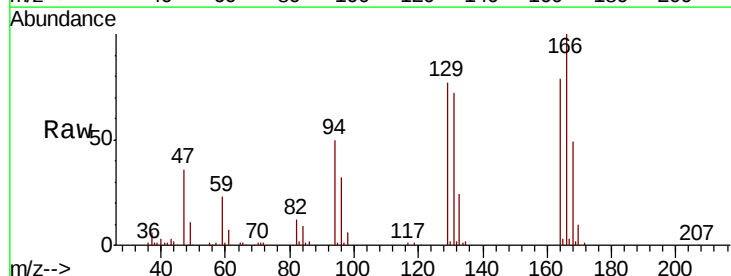
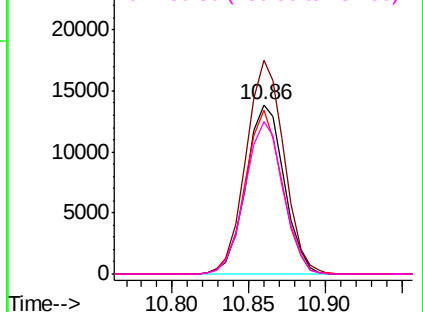
Abundance

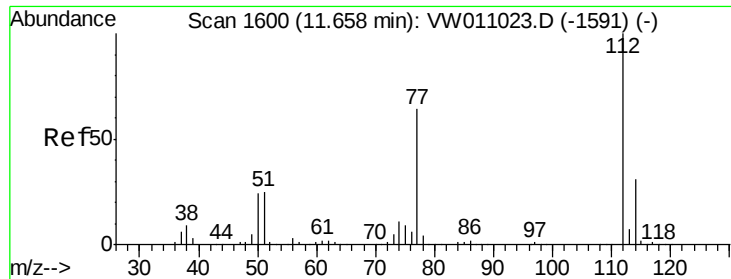
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

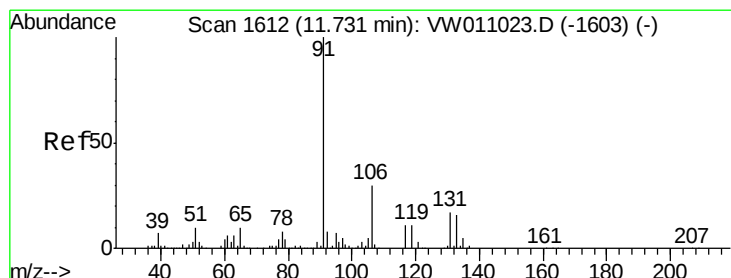
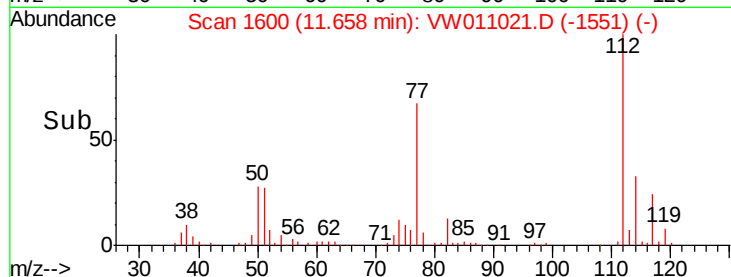
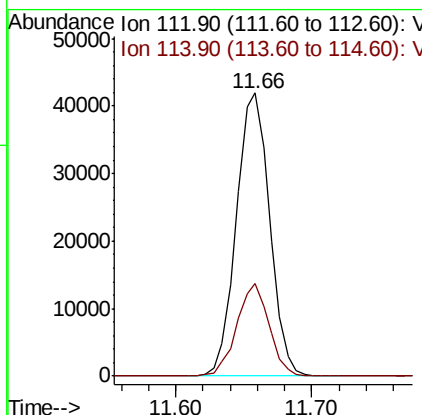
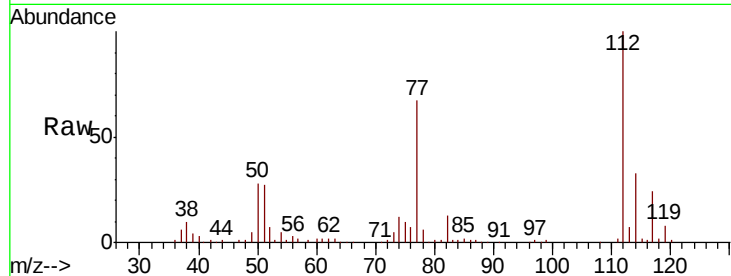




#65
Chlorobenzene
Concen: 11.089 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW011021.D
Acq: 27 Jun 2019 15:28

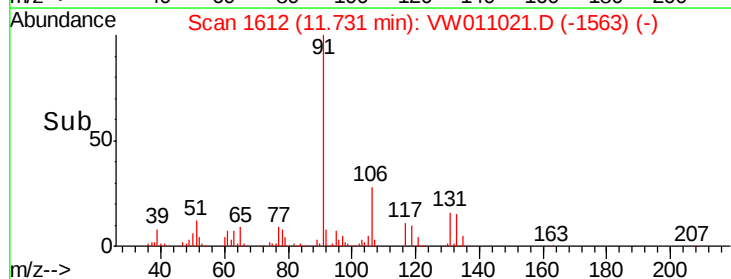
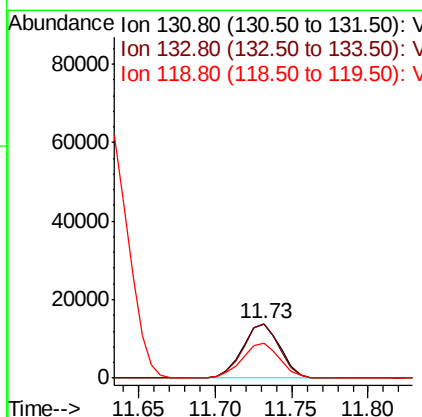
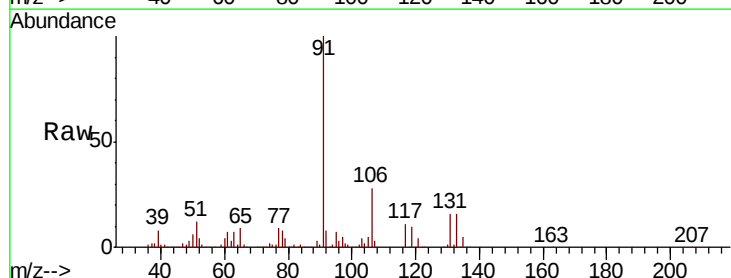
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

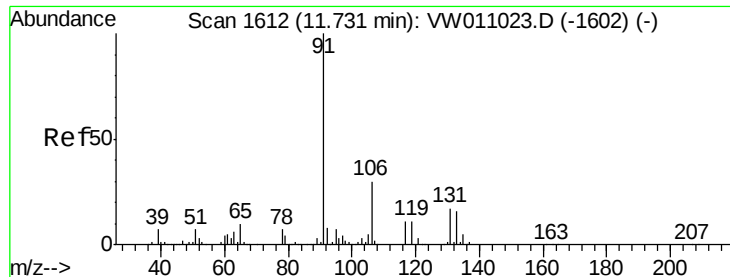
Tot Ion:112 Resp: 71603
Ion Ratio Lower Upper
112 100
114 32.7 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 10.581 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011021.D
Acq: 27 Jun 2019 15:28

Tgt Ion:131 Resp: 23514
Ion Ratio Lower Upper
131 100
133 97.8 47.7 143.1
119 64.8 33.1 99.2





#67

Ethyl Benzene

Concen: 10.870 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW011021.D

Acq: 27 Jun 2019 15:28

Instrument :

MSVOA_W

ClientSampleId :

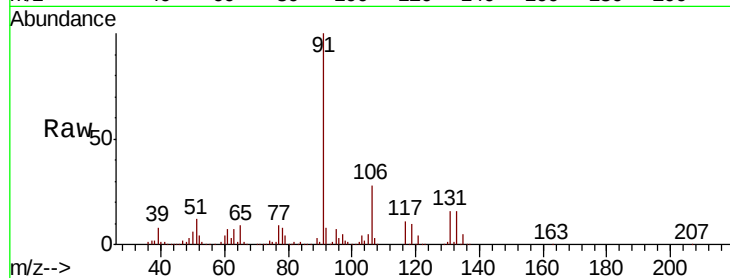
VSTDIC010

Tot Ion: 91 Resp: 134905

Ion Ratio Lower Upper

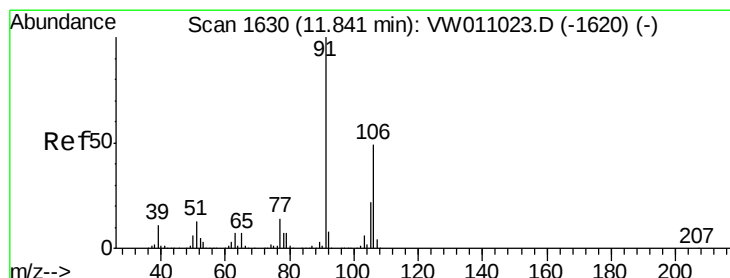
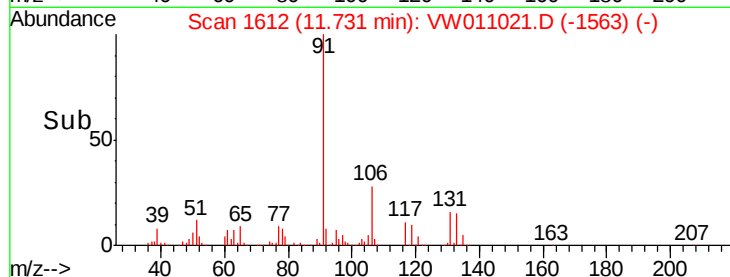
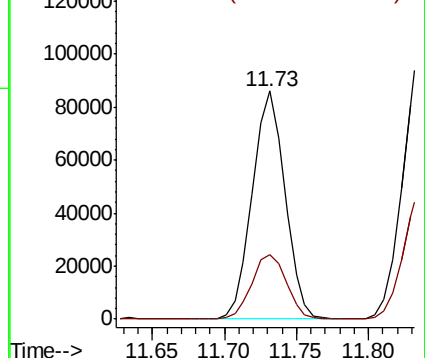
91 100

106 28.5 23.8 35.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 21.992 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW011021.D

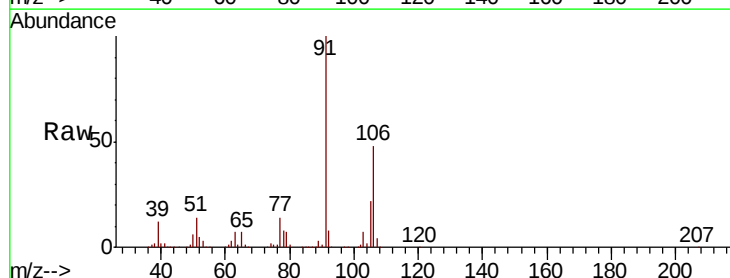
Acq: 27 Jun 2019 15:28

Tgt Ion: 106 Resp: 98018

Ion Ratio Lower Upper

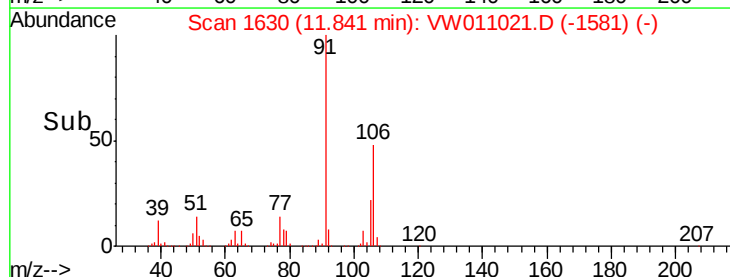
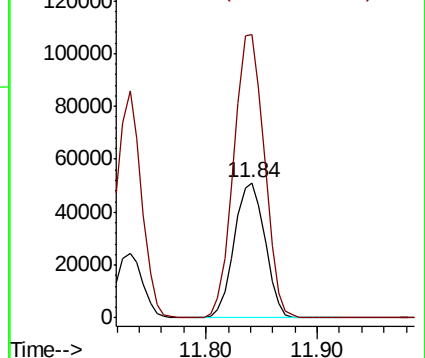
106 100

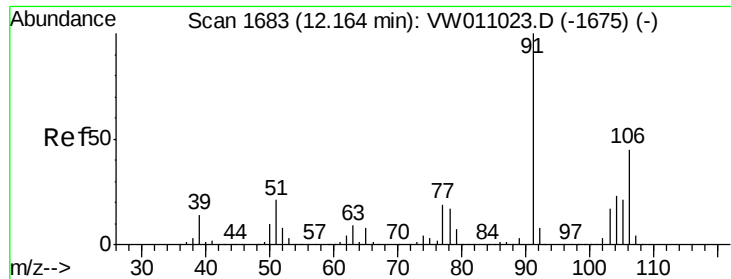
91 209.4 167.5 251.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

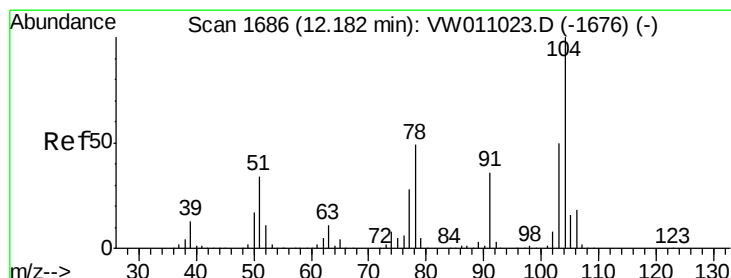
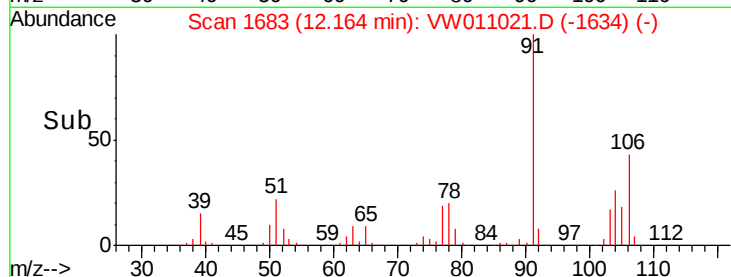
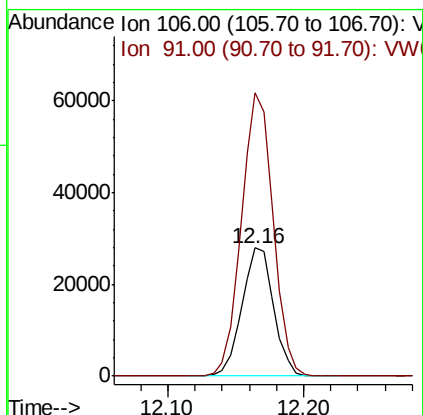
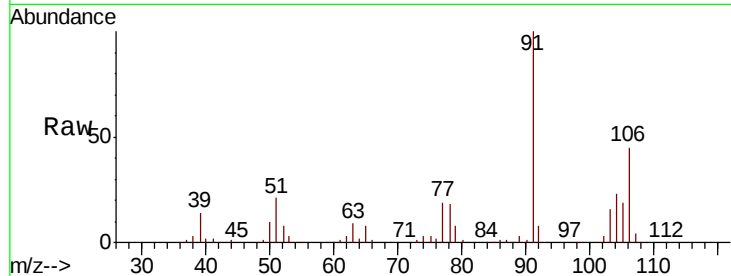




#69
o-Xylene
Concen: 10.792 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW011021.D
Acq: 27 Jun 2019 15:28

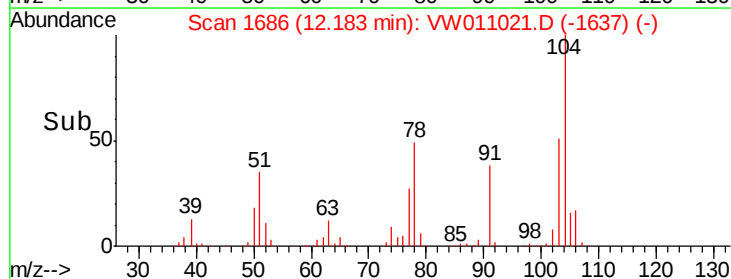
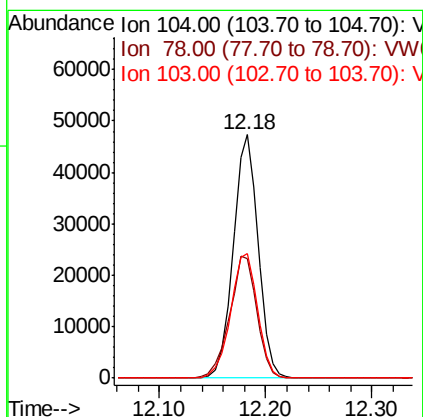
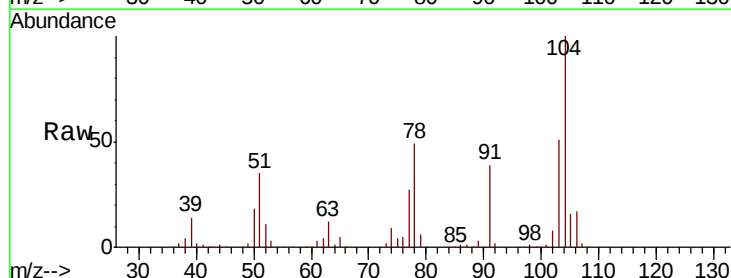
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

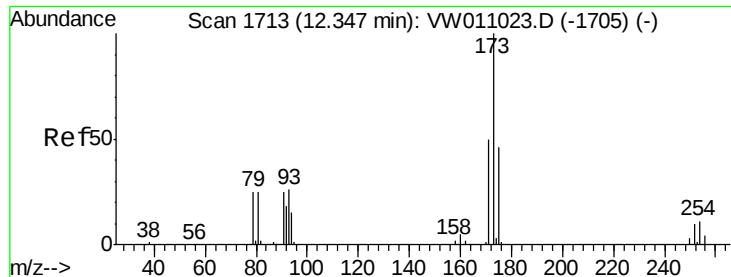
Tot Ion:106 Resp: 45488
Ion Ratio Lower Upper
106 100
91 221.2 110.8 332.3



#70
Styrene
Concen: 10.583 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW011021.D
Acq: 27 Jun 2019 15:28

Tgt Ion:104 Resp: 77543
Ion Ratio Lower Upper
104 100
78 54.8 43.7 65.5
103 55.4 43.9 65.9





#71

Bromoform

Concen: 9.204 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW011021.D

Acq: 27 Jun 2019 15:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

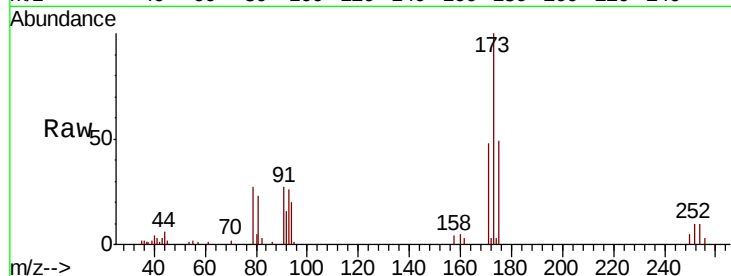
Tot Ion:173 Resp: 10539

Ion Ratio Lower Upper

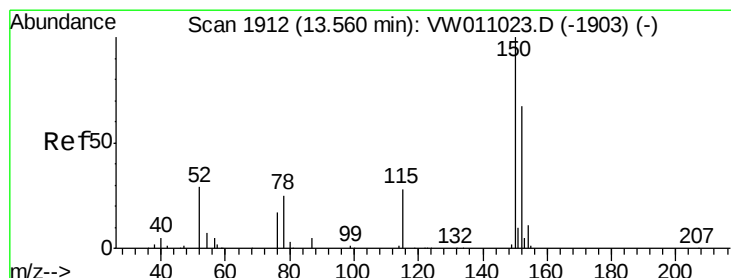
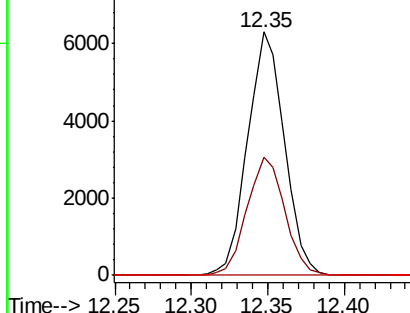
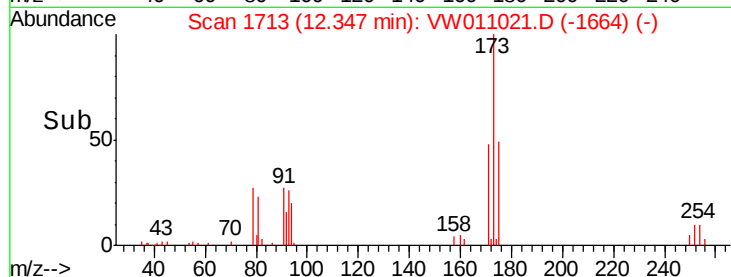
173 100

175 49.7 24.1 72.2

254 0.0 0.0 0.0



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: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW011021.D

Acq: 27 Jun 2019 15:28

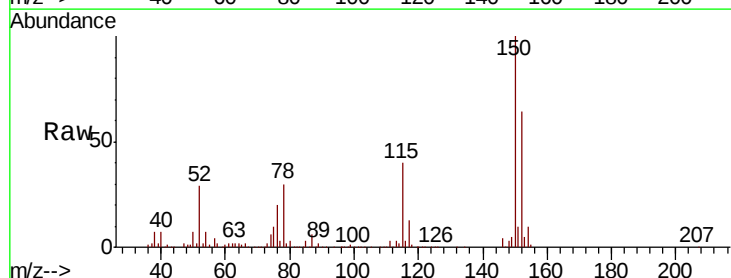
Tgt Ion:152 Resp: 157928

Ion Ratio Lower Upper

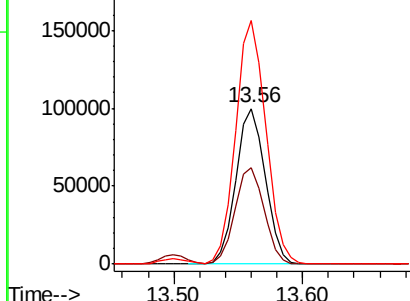
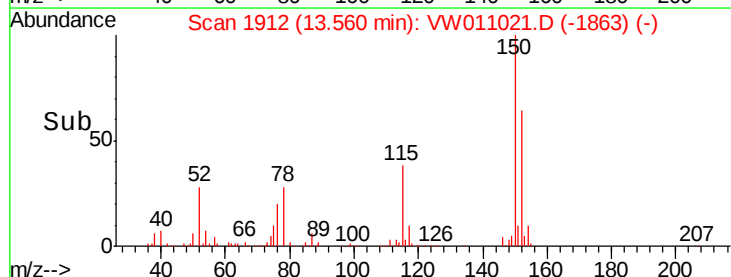
152 100

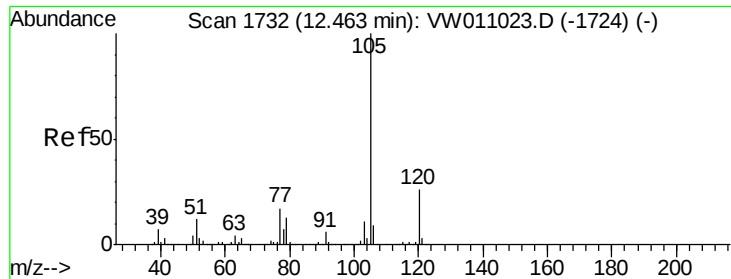
115 61.8 30.7 92.1

150 160.7 0.0 341.8



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





#73

Isopropylbenzene

Concen: 10.629 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW011021.D

Acq: 27 Jun 2019 15:28

Instrument :

MSVOA_W

ClientSampleId :

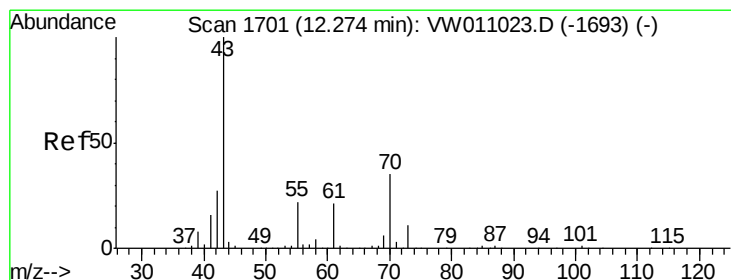
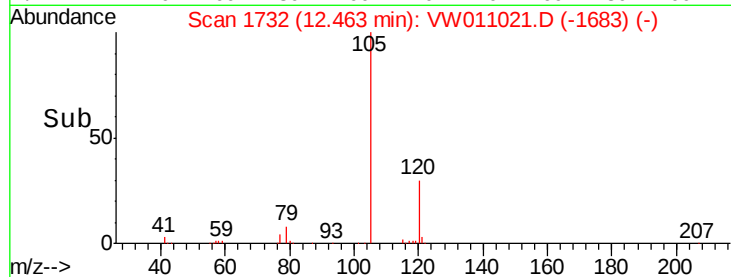
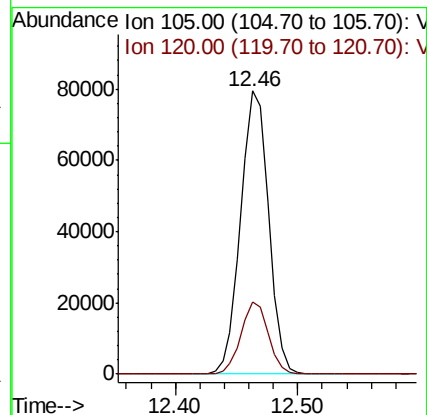
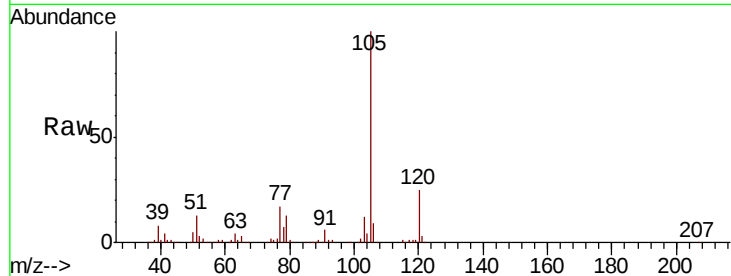
VSTDIC010

Tot Ion:105 Resp: 125726

Ion Ratio Lower Upper

105 100

120 24.9 12.9 38.6



#74

N-ethyl acetate

Concen: 9.797 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW011021.D

Acq: 27 Jun 2019 15:28

Tgt Ion: 43 Resp: 38014

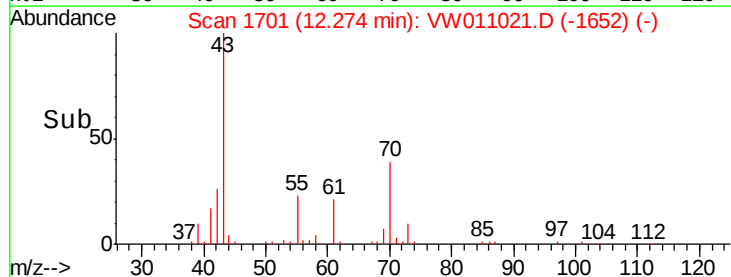
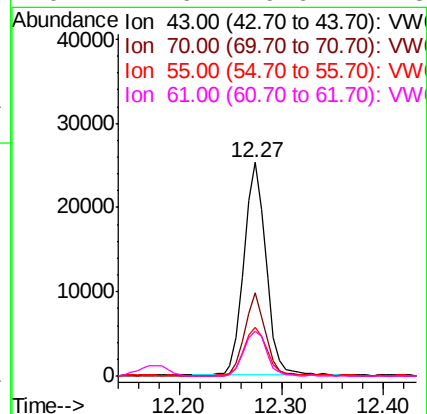
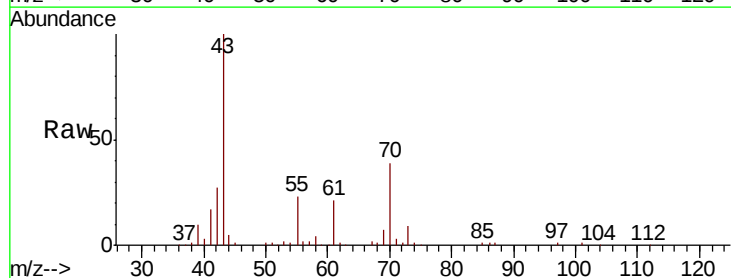
Ion Ratio Lower Upper

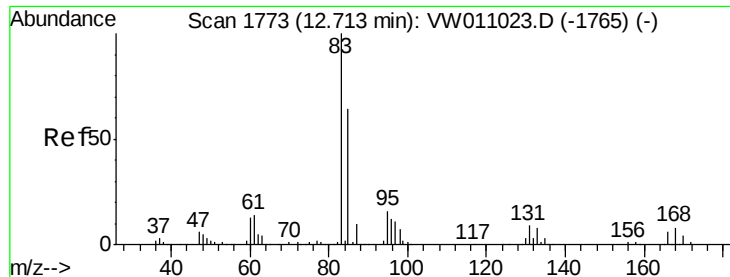
43 100

70 36.5 28.2 42.4

55 24.7 17.8 26.8

61 21.6 16.6 24.8





#75

1,1,2,2-Tetrachloroethane

Concen: 10.930 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW011021.D

Acq: 27 Jun 2019 15:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

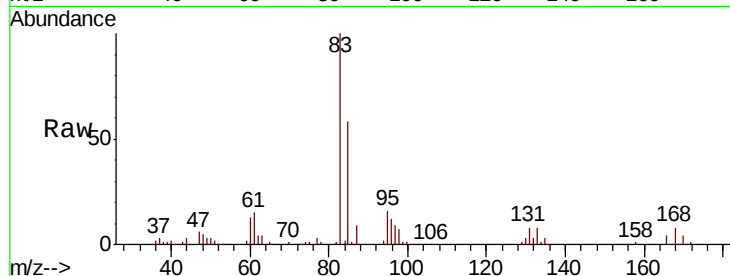
Tot Ion: 83 Resp: 24803

Ion Ratio Lower Upper

83 100

131 9.7 5.0 14.9

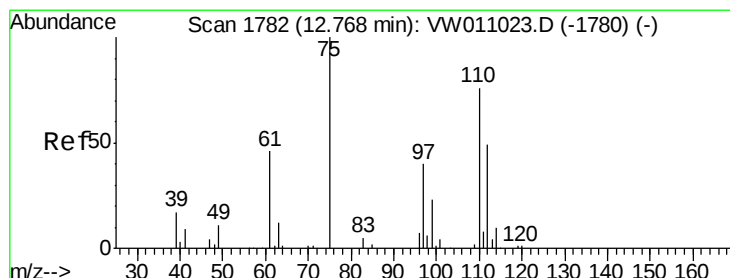
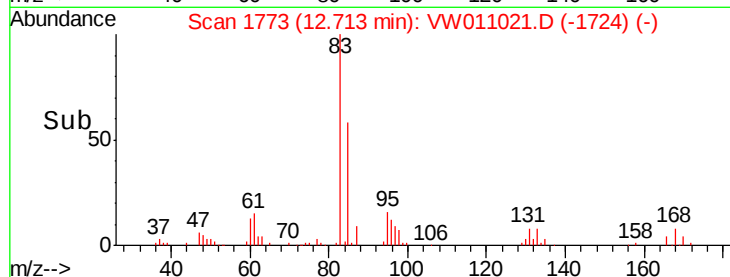
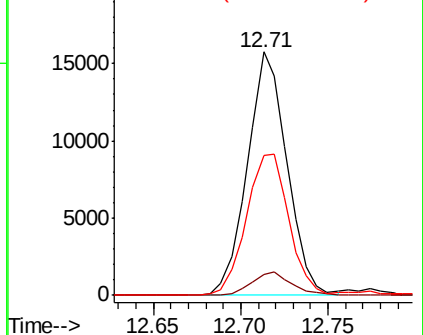
85 62.2 31.8 95.4



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: 19.318 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW011021.D

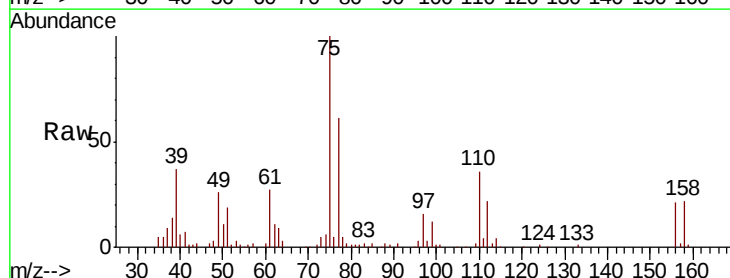
Acq: 27 Jun 2019 15:28

Tgt Ion: 75 Resp: 32162

Ion Ratio Lower Upper

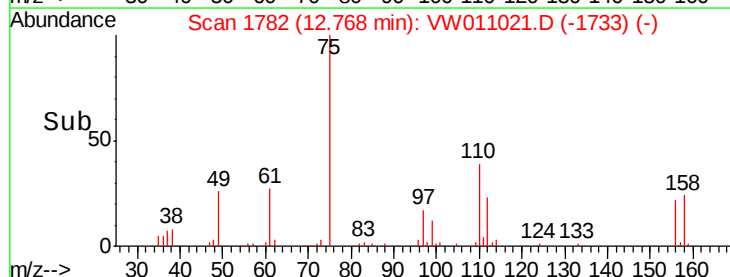
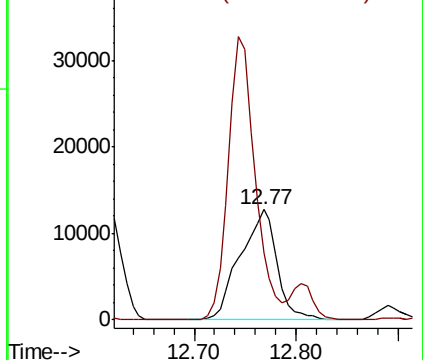
75 100

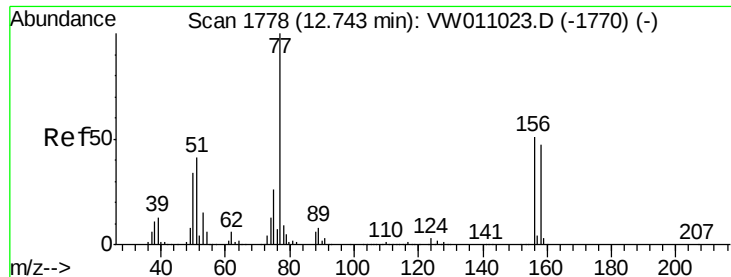
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 10.761 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW011021.D

Acq: 27 Jun 2019 15:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

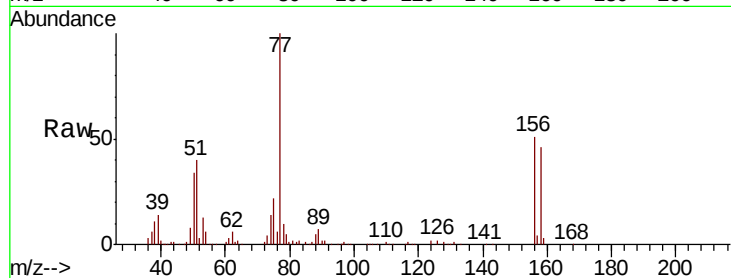
Tot Ion:156 Resp: 27766

Ion Ratio Lower Upper

156 100

77 215.4 109.5 328.5

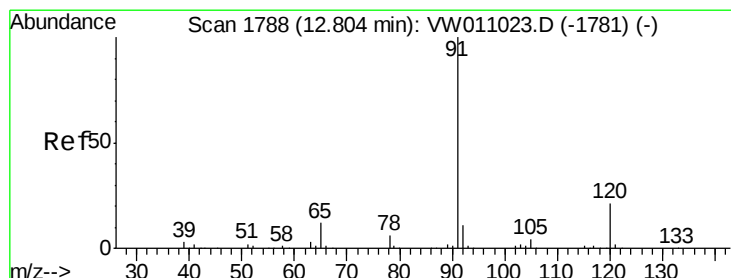
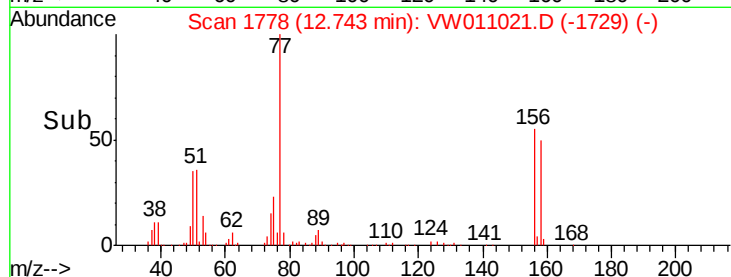
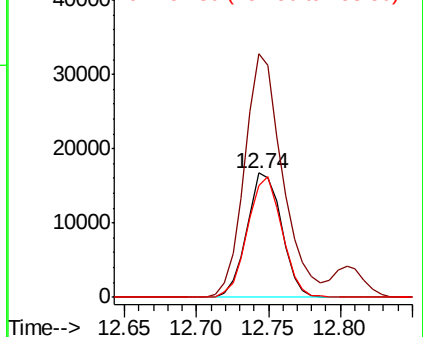
158 96.4 48.6 145.9



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: 10.791 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW011021.D

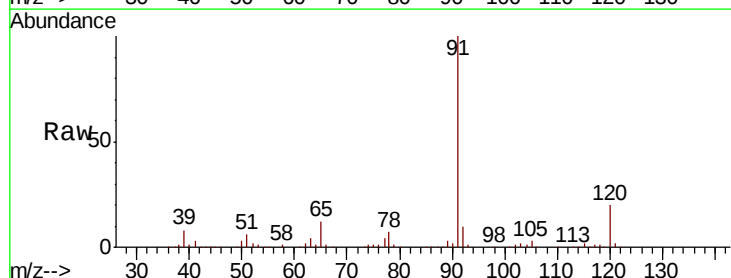
Acq: 27 Jun 2019 15:28

Tgt Ion: 91 Resp: 154758

Ion Ratio Lower Upper

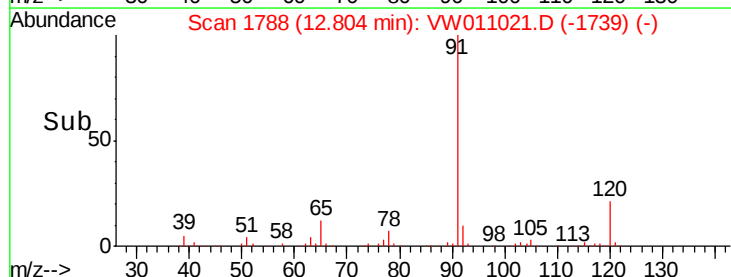
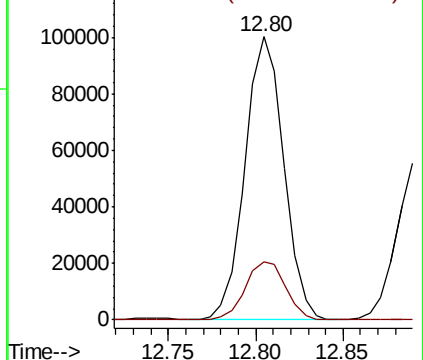
91 100

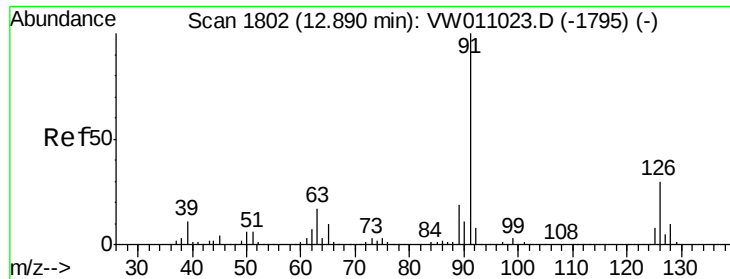
120 21.4 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

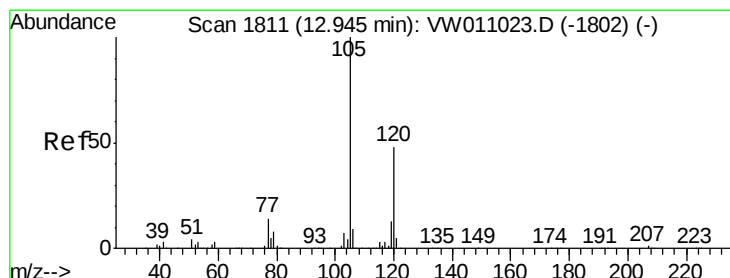
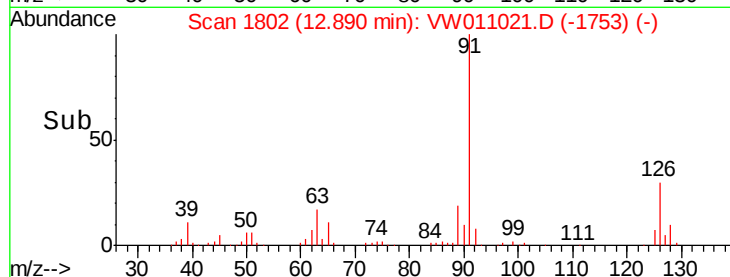
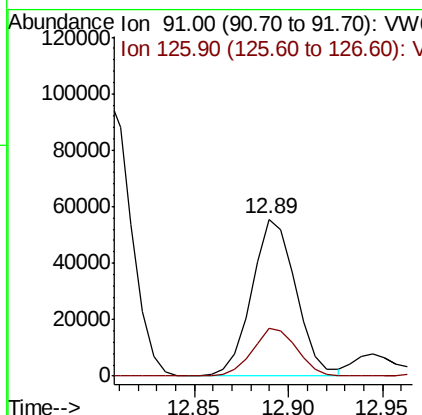
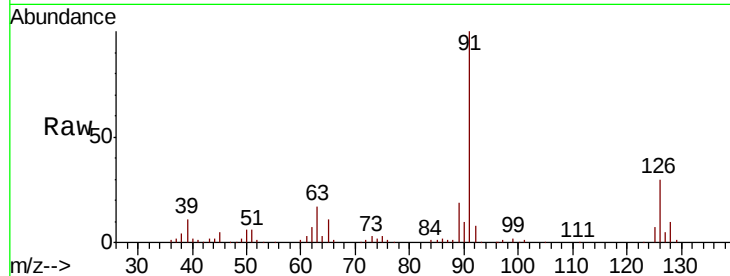




#79
 2-Chlorotoluene
 Concen: 10.971 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VW011021.D
 Acq: 27 Jun 2019 15:28

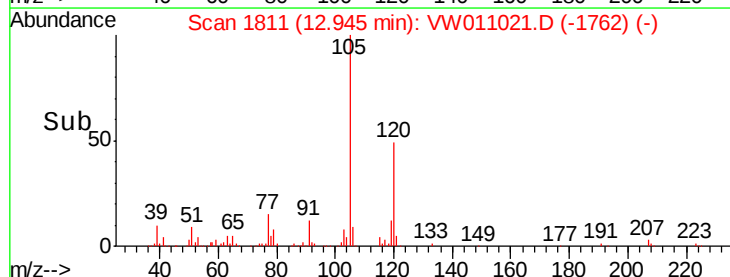
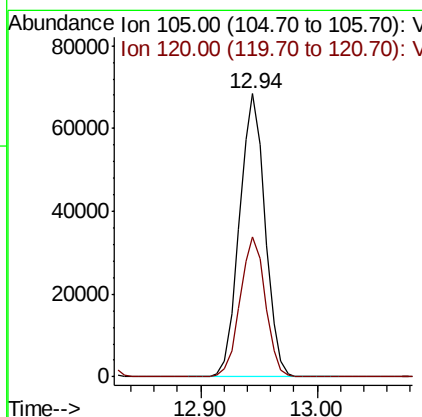
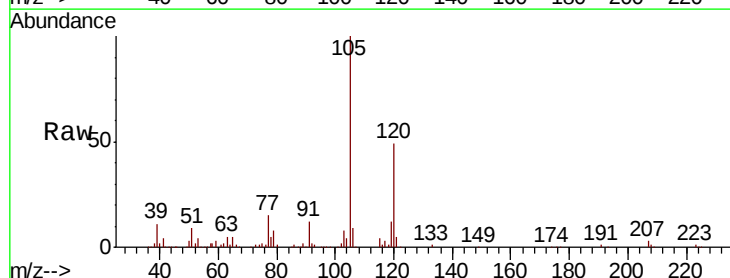
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

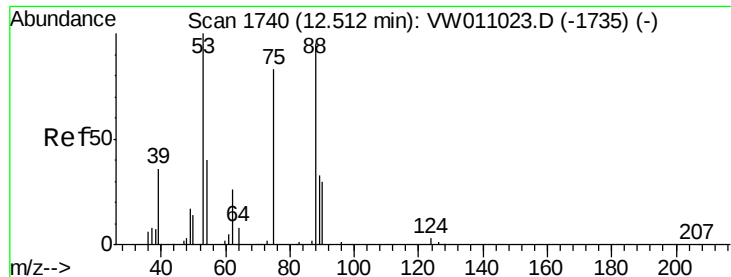
Tot Ion: 91 Resp: 89879
 Ion Ratio Lower Upper
 91 100
 126 30.5 15.4 46.4



#80
 1,3,5-Trimethylbenzene
 Concen: 10.763 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW011021.D
 Acq: 27 Jun 2019 15:28

Tgt Ion: 105 Resp: 105004
 Ion Ratio Lower Upper
 105 100
 120 49.2 23.8 71.5





#81

trans-1,4-Dichloro-2-butene

Concen: 8.593 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW011021.D

Acq: 27 Jun 2019 15:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

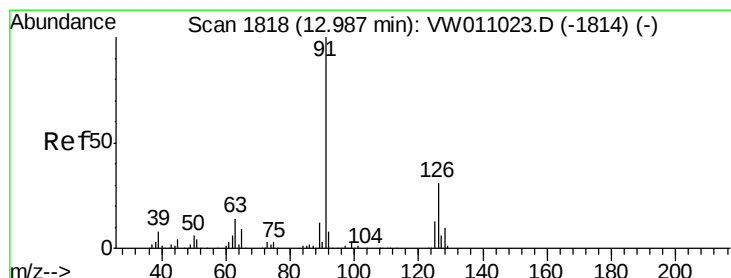
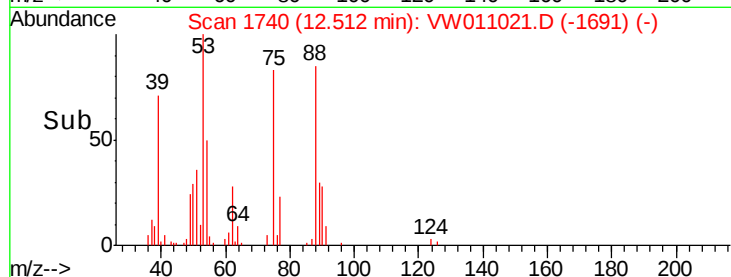
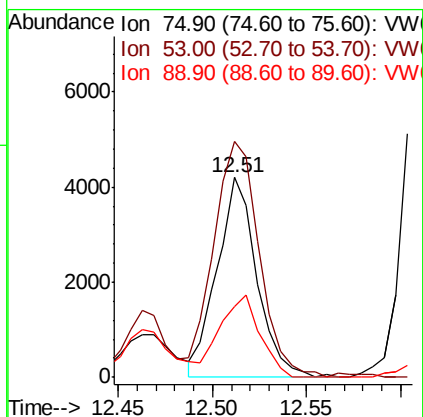
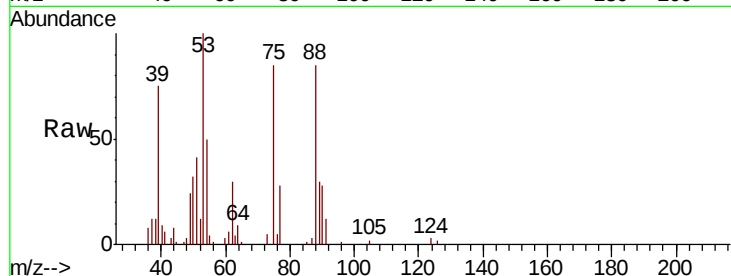
Tot Ion: 75 Resp: 6176

Ion Ratio Lower Upper

75 100

53 136.2 95.6 143.4

89 40.5 34.4 51.6



#82

4-Chlorotoluene

Concen: 11.116 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VW011021.D

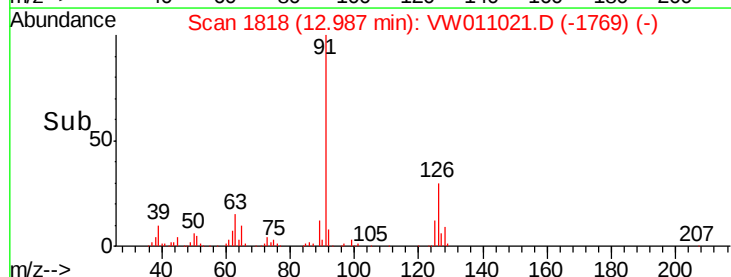
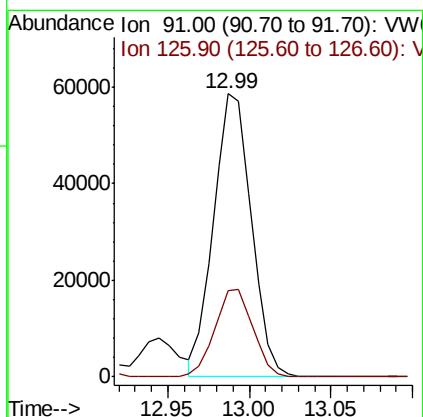
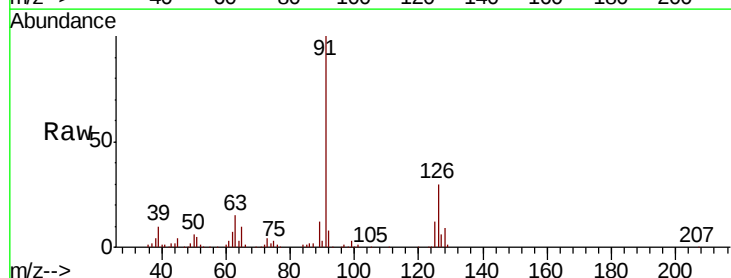
Acq: 27 Jun 2019 15:28

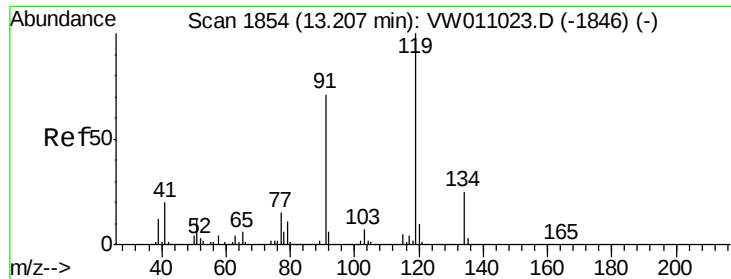
Tgt Ion: 91 Resp: 94130

Ion Ratio Lower Upper

91 100

126 31.4 15.7 47.1

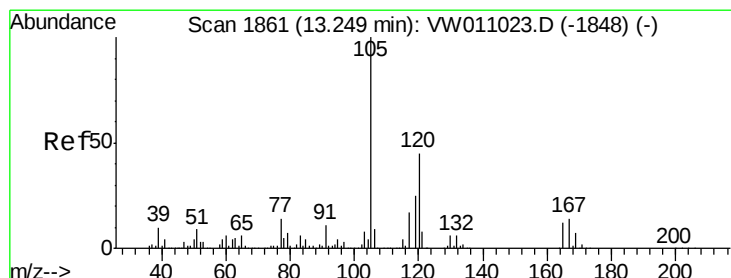
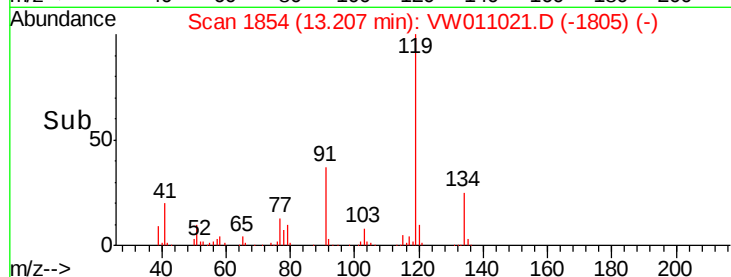
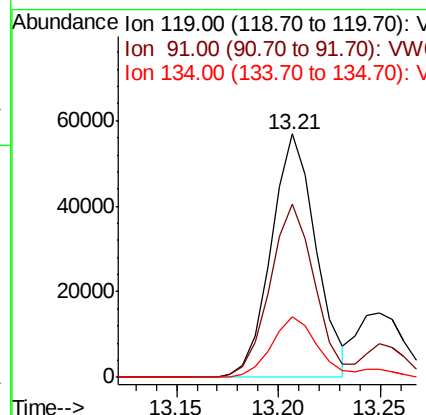
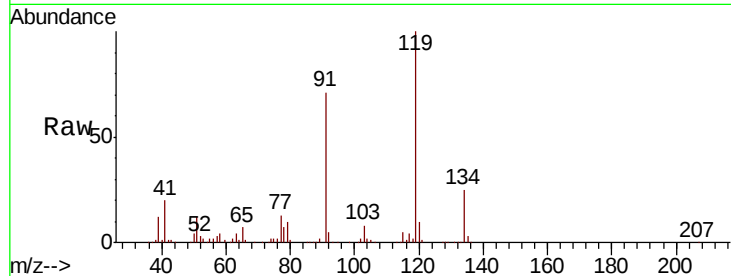




#83
tert-Butylbenzene
Concen: 10.584 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW011021.D
Acq: 27 Jun 2019 15:28

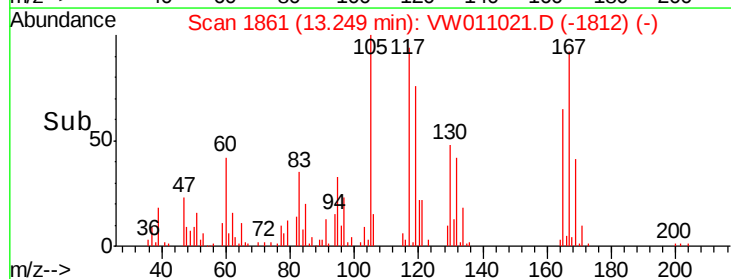
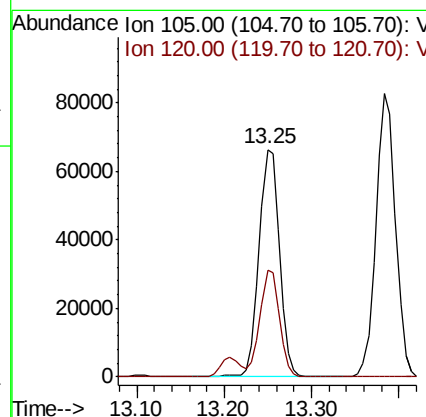
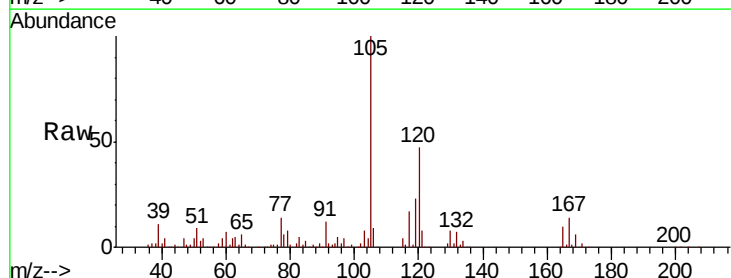
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

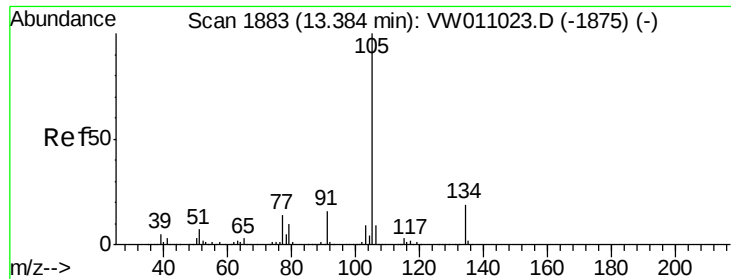
Tot Ion:119 Resp: 87252
Ion Ratio Lower Upper
119 100
91 72.1 35.5 106.5
134 25.5 12.4 37.2



#84
1,2,4-Trimethylbenzene
Concen: 10.986 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW011021.D
Acq: 27 Jun 2019 15:28

Tgt Ion:105 Resp: 107836
Ion Ratio Lower Upper
105 100
120 44.6 22.4 67.2





#85

sec-Butylbenzene

Concen: 10.706 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW011021.D

Acq: 27 Jun 2019 15:28

Instrument :

MSVOA_W

ClientSampleId :

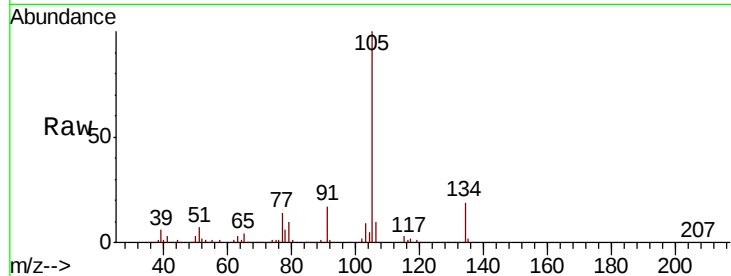
VSTDIC010

Tot Ion:105 Resp: 128404

Ion Ratio Lower Upper

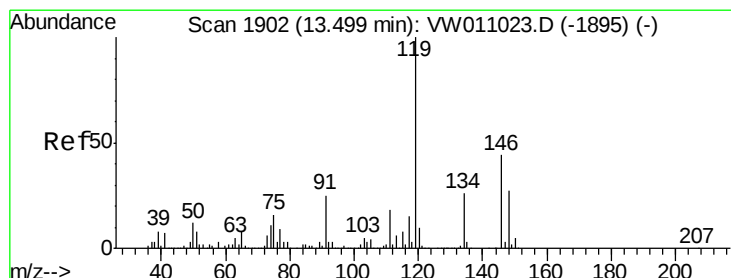
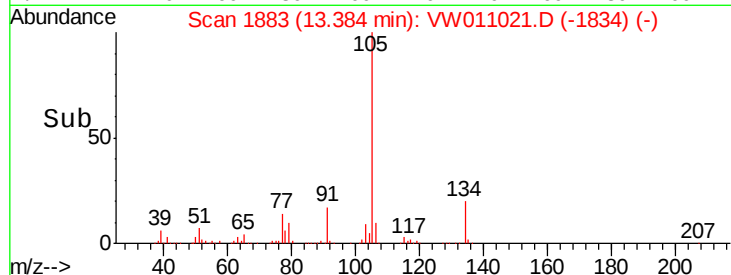
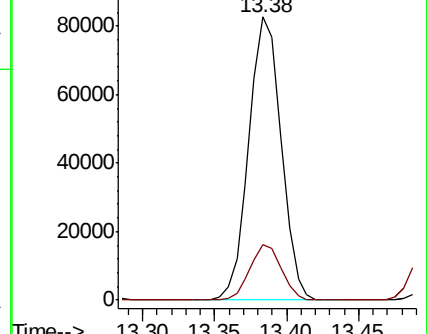
105 100

134 19.0 9.6 28.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 10.678 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW011021.D

Acq: 27 Jun 2019 15:28

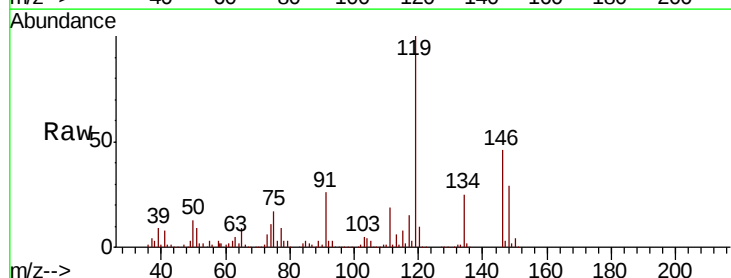
Tgt Ion:119 Resp: 114638

Ion Ratio Lower Upper

119 100

134 25.5 12.9 38.7

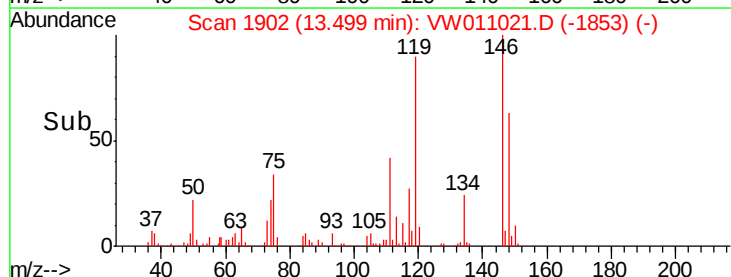
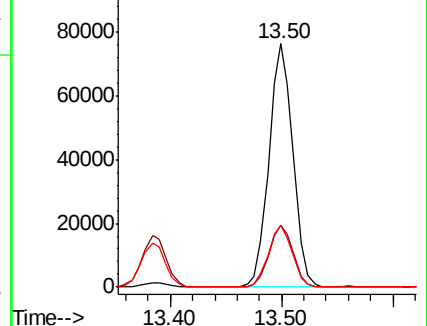
91 25.4 12.3 36.9

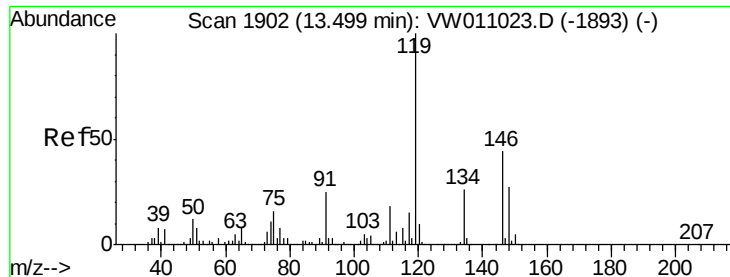


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

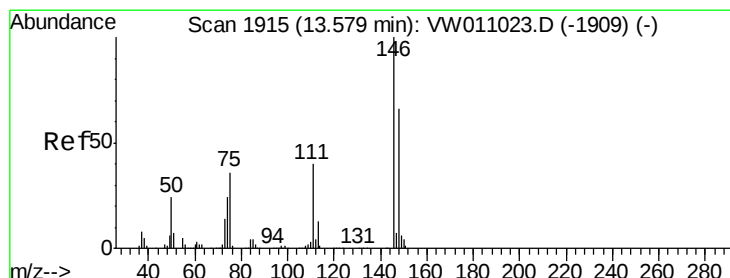
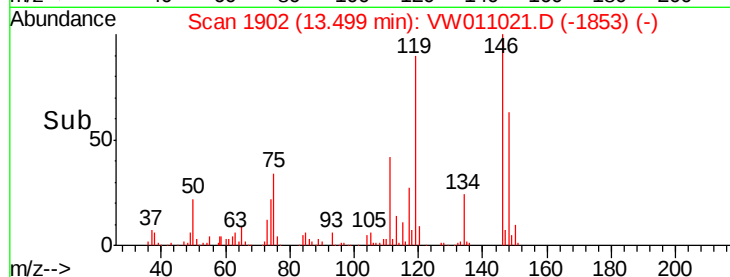
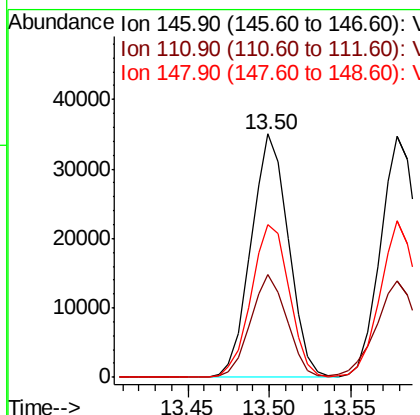
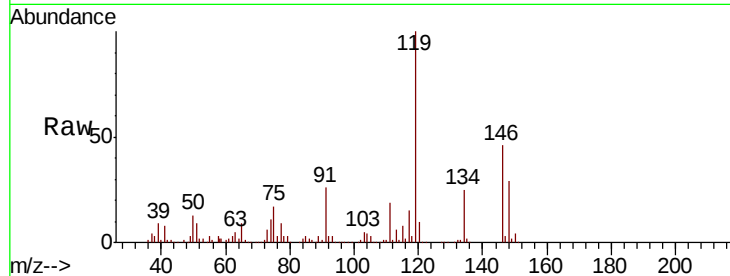




#87
 1,3-Dichlorobenzene
 Concen: 11.185 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW011021.D
 Acq: 27 Jun 2019 15:28

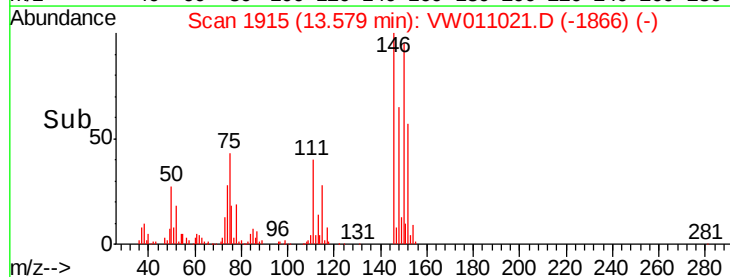
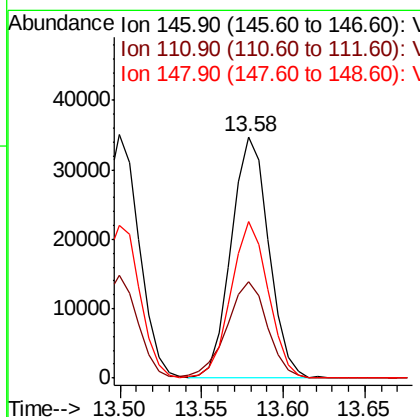
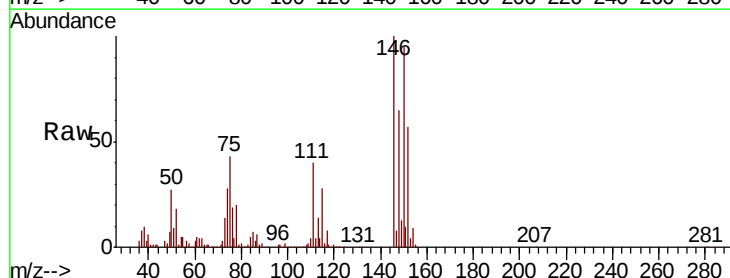
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

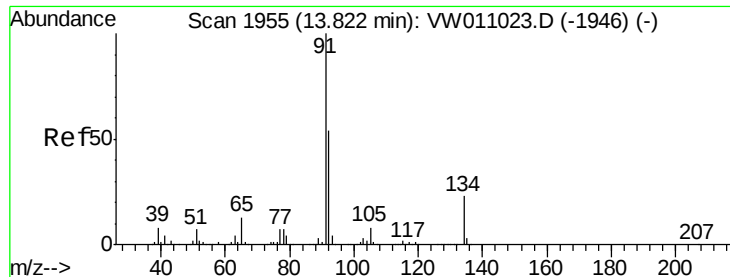
Tot Ion:146 Resp: 55867
 Ion Ratio Lower Upper
 146 100
 111 41.4 20.9 62.8
 148 64.2 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 11.219 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW011021.D
 Acq: 27 Jun 2019 15:28

Tgt Ion:146 Resp: 55705
 Ion Ratio Lower Upper
 146 100
 111 43.5 20.6 61.9
 148 64.6 32.4 97.2





#89

n-Butylbenzene

Concen: 10.842 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW011021.D

Acq: 27 Jun 2019 15:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

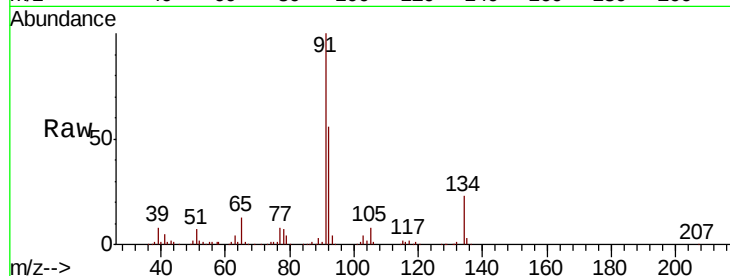
Tot Ion: 91 Resp: 116466

Ion Ratio Lower Upper

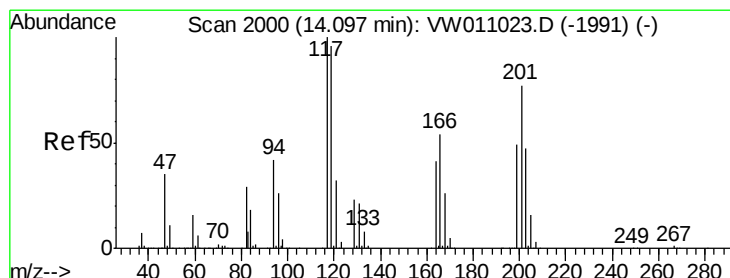
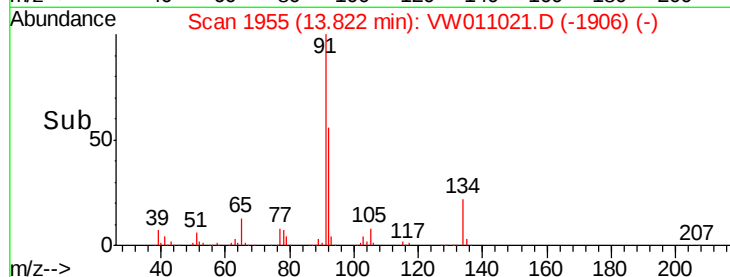
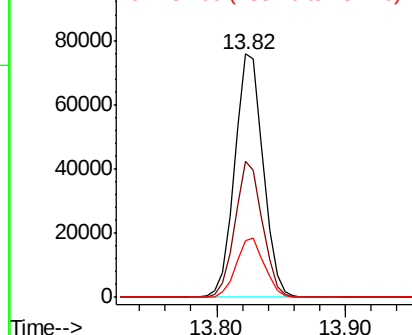
91 100

92 53.9 27.1 81.2

134 24.0 12.0 36.1



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



#90

Hexachloroethane

Concen: 9.876 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW011021.D

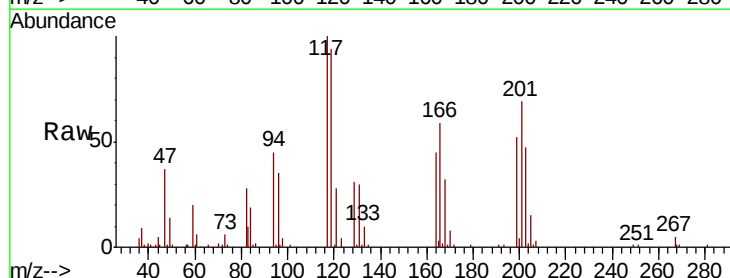
Acq: 27 Jun 2019 15:28

Tgt Ion: 117 Resp: 18813

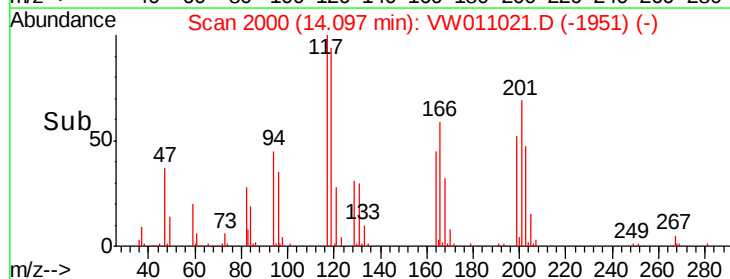
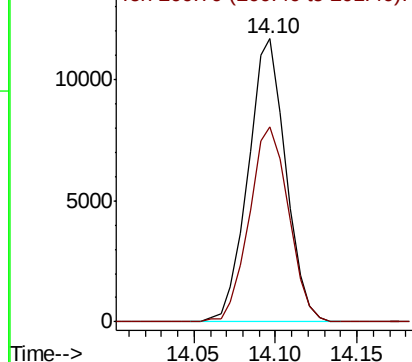
Ion Ratio Lower Upper

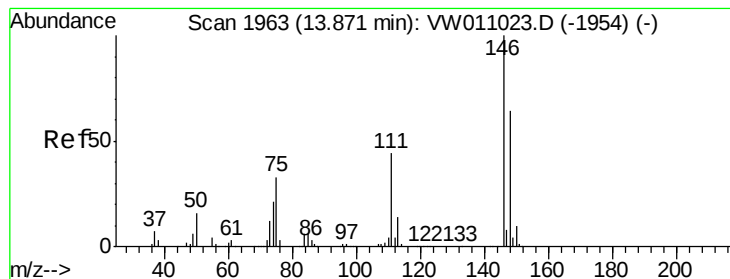
117 100

201 72.0 38.0 114.0



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





#91

1,2-Dichlorobenzene

Concen: 10.939 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW011021.D

Acq: 27 Jun 2019 15:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

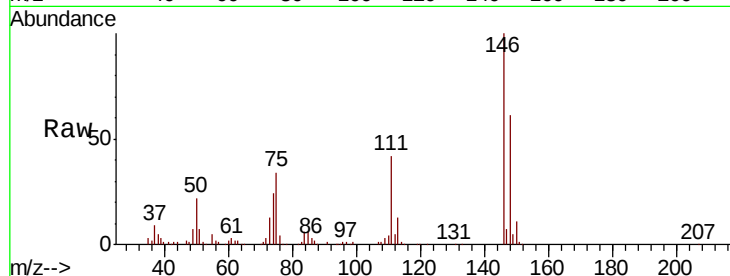
Tot Ion:146 Resp: 49360

Ion Ratio Lower Upper

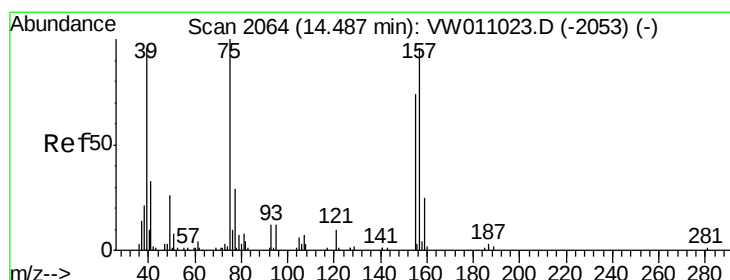
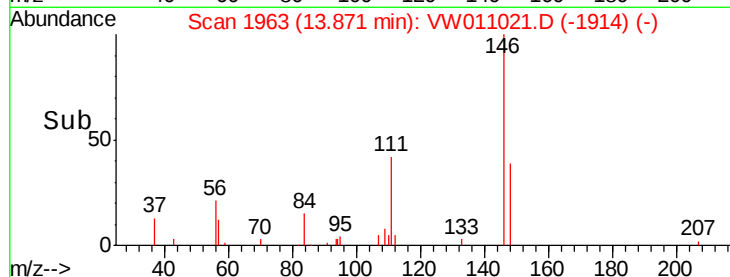
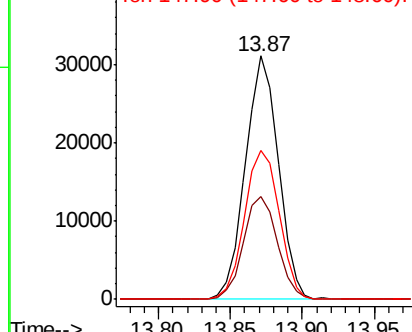
146 100

111 43.7 21.4 64.3

148 64.4 31.8 95.3



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 9.799 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW011021.D

Acq: 27 Jun 2019 15:28

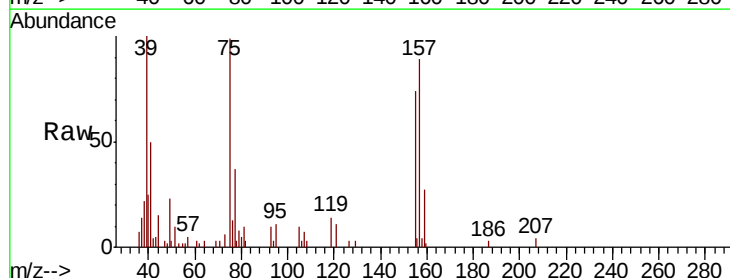
Tgt Ion: 75 Resp: 3839

Ion Ratio Lower Upper

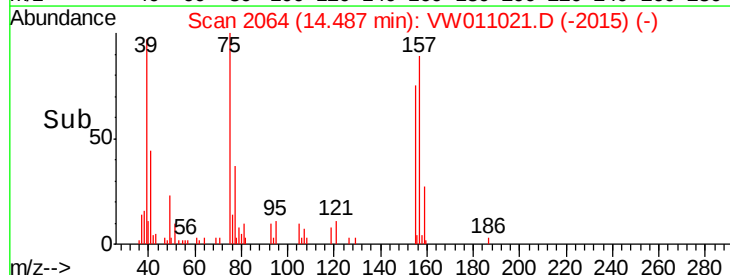
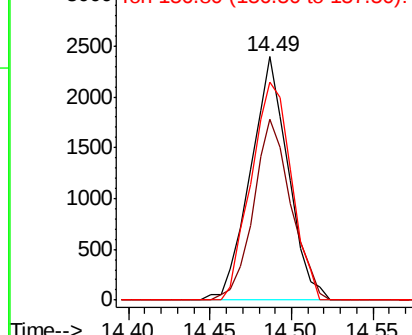
75 100

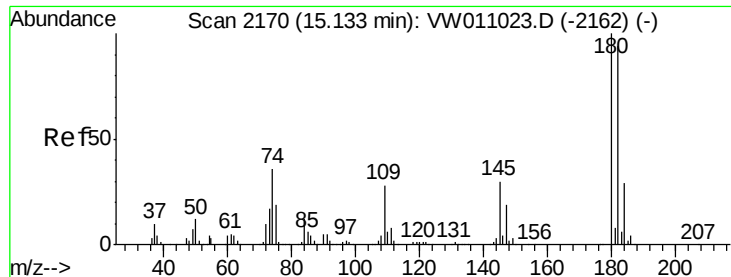
155 74.7 37.0 110.9

157 95.6 45.9 137.7



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V

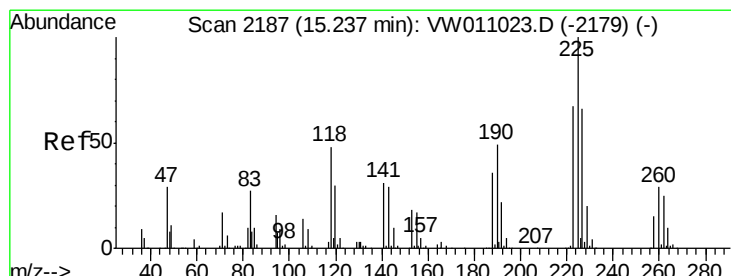
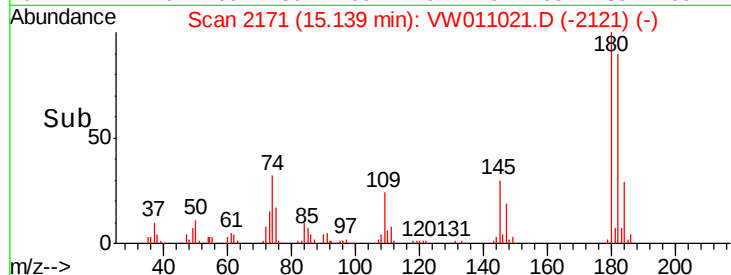
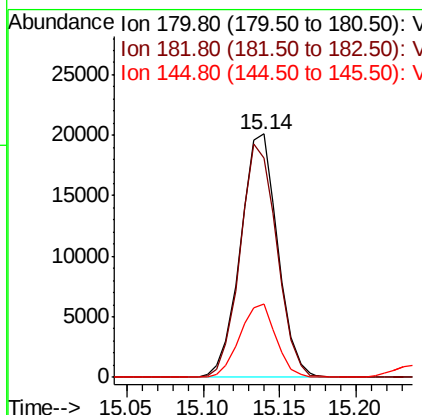
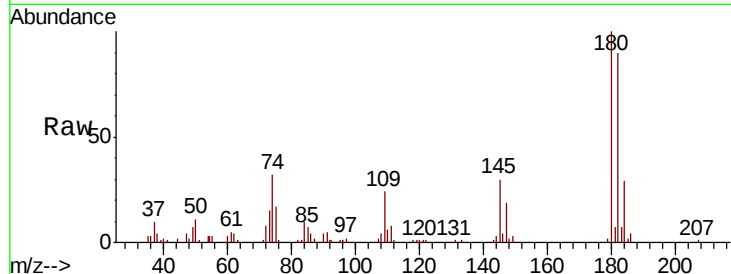




#93
 1,2,4-Trichlorobenzene
 Concen: 10.719 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.01 min
 Lab File: VW011021.D
 Acq: 27 Jun 2019 15:28

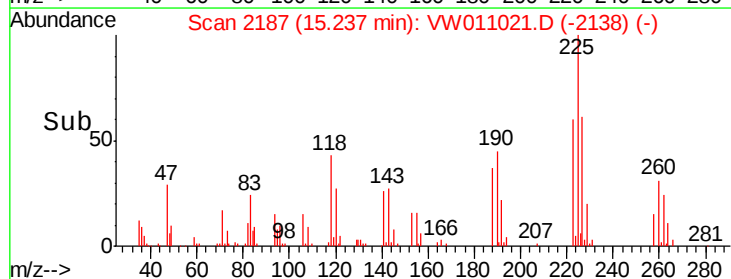
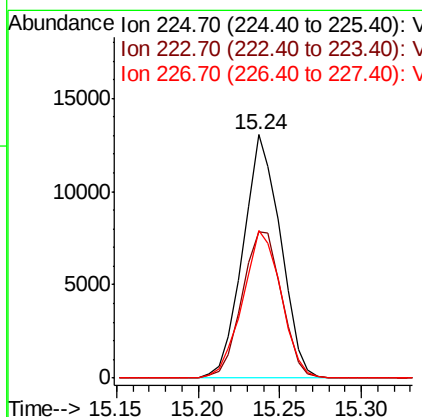
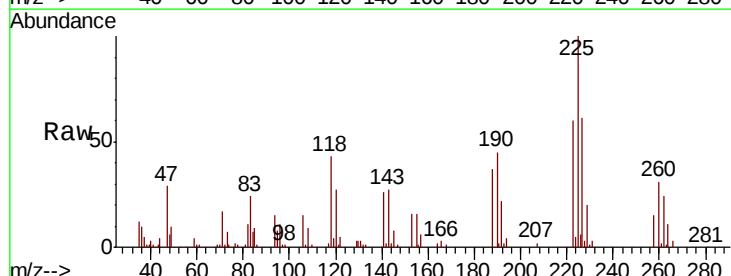
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

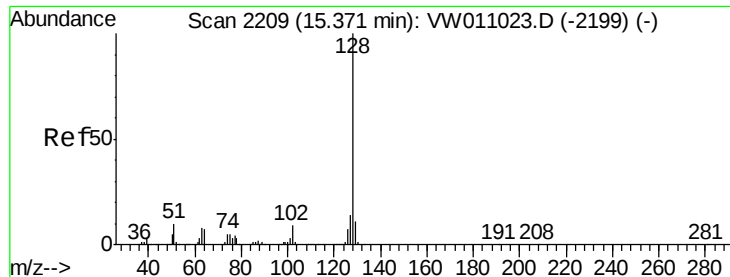
Tot Ion:180 Resp: 33921
 Ion Ratio Lower Upper
 180 100
 182 94.8 47.4 142.2
 145 29.4 15.3 45.8



#94
 Hexachlorobutadiene
 Concen: 10.621 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW011021.D
 Acq: 27 Jun 2019 15:28

Tgt Ion:225 Resp: 20953
 Ion Ratio Lower Upper
 225 100
 223 63.5 31.9 95.9
 227 62.0 31.9 95.9





#95

Naphthalene

Concen: 10.509 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW011021.D

Acq: 27 Jun 2019 15:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

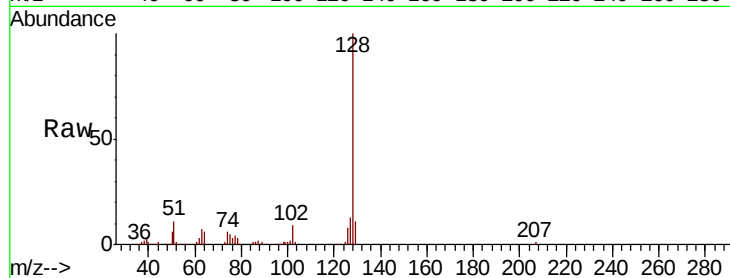
Tot Ion:128 Resp: 61121

Ion Ratio Lower Upper

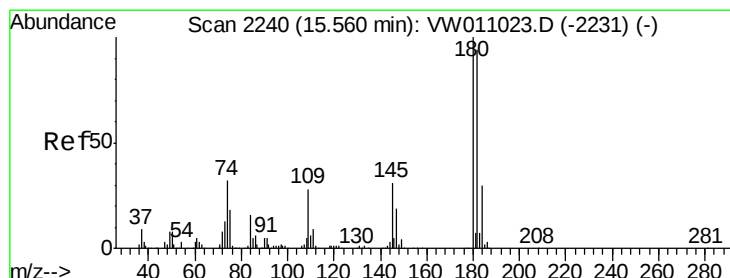
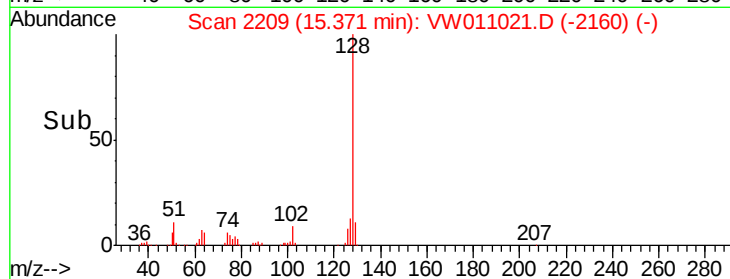
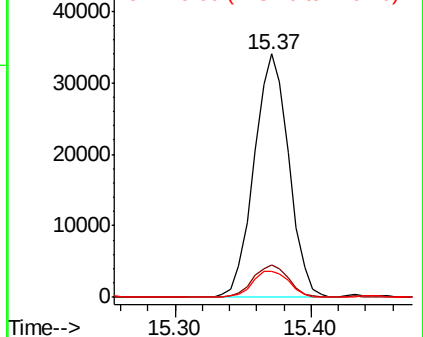
128 100

127 13.7 10.7 16.1

129 11.4 8.8 13.2



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: 11.166 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW011021.D

Acq: 27 Jun 2019 15:28

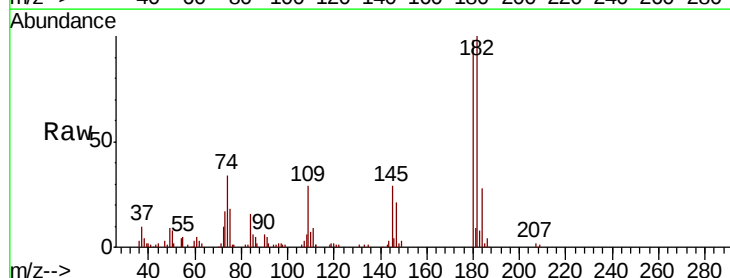
Tgt Ion:180 Resp: 30235

Ion Ratio Lower Upper

180 100

182 96.1 47.9 143.7

145 32.2 16.1 48.2



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

