

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062819\
 Data File : VW011020.D
 Acq On : 27 Jun 2019 15:01
 Operator : SY/VA
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Quant Time: Jun 28 01:41:25 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	221514	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	372779	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	330135	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	162304	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	13572	4.97	ug/l	0.00
Spiked Amount			Recovery	=	9.94%	
35) Dibromofluoromethane	7.88	113	10159	4.83	ug/l	0.00
Spiked Amount			Recovery	=	9.66%	
50) Toluene-d8	10.32	98	40503	4.39	ug/l	0.00
Spiked Amount			Recovery	=	8.78%	
62) 4-Bromofluorobenzene	12.62	95	15246	4.54	ug/l	0.00
Spiked Amount			Recovery	=	9.08%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	7551	3.755	ug/l	98
3) Chloromethane	2.21	50	11766	4.052	ug/l	98
4) Vinyl Chloride	2.36	62	14685	5.202	ug/l	98
5) Bromomethane	2.77	94	7616	4.979	ug/l	97
6) Chloroethane	2.92	64	7159	4.323	ug/l	92
7) Trichlorofluoromethane	3.24	101	3902	1.225	ug/l	89
8) Diethyl Ether	3.68	74	6737	5.176	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	11980	5.328	ug/l	96
10) Methyl Iodide	4.27	142	16125	7.476	ug/l	98
11) Tert butyl alcohol	5.17	59	6332	29.812	ug/l #	82
12) 1,1-Dichloroethene	4.04	96	12411	5.626	ug/l	98
13) Acrolein	3.89	56	4324	42.506	ug/l	96
14) Allyl chloride	4.66	41	18896	4.084	ug/l	97
15) Acrylonitrile	5.36	53	16455	25.687	ug/l	97
16) Acetone	4.12	43	18700	26.676	ug/l	94
17) Carbon Disulfide	4.39	76	32123	4.644	ug/l	99
18) Methyl Acetate	4.67	43	10228	6.581	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	17399	3.011	ug/l	94
20) Methylene Chloride	4.92	84	16917	6.749	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	12575	5.127	ug/l	90
22) Diisopropyl ether	6.31	45	46611	4.899	ug/l	97
23) Vinyl Acetate	6.25	43	128857	22.261	ug/l	97
24) 1,1-Dichloroethane	6.21	63	25079	5.214	ug/l	99
25) 2-Butanone	7.17	43	27377	27.741	ug/l	98
26) 2,2-Dichloropropane	7.15	77	15646	4.288	ug/l	94
27) cis-1,2-Dichloroethene	7.17	96	13251	4.918	ug/l	88
28) Bromochloromethane	7.51	49	12108	5.499	ug/l	99
29) Tetrahydrofuran	7.53	42	16329	26.114	ug/l	98
30) Chloroform	7.67	83	23112	5.256	ug/l	92
31) Cyclohexane	7.95	56	30941	5.816	ug/l #	78
32) 1,1,1-Trichloroethane	7.87	97	17035	4.546	ug/l	98
36) 1,1-Dichloropropene	8.08	75	19172	4.973	ug/l	99
37) Ethyl Acetate	7.25	43	10710	4.942	ug/l #	94
38) Carbon Tetrachloride	8.07	117	15337	4.653	ug/l	93

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 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Quant Time: Jun 28 01:41:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W062819S.M
 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	23290	4.790	ug/l	94
40) Benzene	8.32	78	53359	5.063	ug/l	100
41) Methacrylonitrile	7.49	41	7182	5.549	ug/l	97
42) 1,2-Dichloroethane	8.40	62	17810	5.305	ug/l	100
43) Isopropyl Acetate	8.43	43	20423	4.912	ug/l	98
44) Trichloroethene	9.09	130	13019	5.027	ug/l	90
45) 1,2-Dichloropropane	9.37	63	14520	5.193	ug/l	100
46) Dibromomethane	9.46	93	6735	5.174	ug/l	97
47) Bromodichloromethane	9.64	83	15546	4.648	ug/l	93
48) Methyl methacrylate	9.43	41	9751	4.863	ug/l	96
49) 1,4-Dioxane	9.44	88	2289	109.137	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	54539	25.479	ug/l	100
52) Toluene	10.39	92	31743	4.902	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	15242	4.306	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	18527	4.436	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	9399	5.019	ug/l	92
56) Ethyl methacrylate	10.65	69	12845	4.478	ug/l	96
57) 1,3-Dichloropropane	10.93	76	18261	5.178	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	34228	22.908	ug/l	98
59) 2-Hexanone	10.97	43	36001	23.396	ug/l	98
60) Dibromochloromethane	11.13	129	9177	4.475	ug/l	94
61) 1,2-Dibromoethane	11.23	107	8977	5.078	ug/l	96
64) Tetrachloroethene	10.86	164	10945	4.966	ug/l	98
65) Chlorobenzene	11.66	112	32870	5.025	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	10672	4.741	ug/l	97
67) Ethyl Benzene	11.73	91	61074	4.858	ug/l	100
68) m/p-Xylenes	11.84	106	44074	9.762	ug/l	99
69) o-Xylene	12.17	106	19914	4.664	ug/l	96
70) Styrene	12.18	104	34225	4.611	ug/l	99
71) Bromoform	12.35	173	4791	4.130	ug/l #	100
73) Isopropylbenzene	12.46	105	56488	4.647	ug/l	99
74) N-amyl acetate	12.27	43	17765	4.455	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.71	83	11533	4.945	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	14288	8.351	ug/l #	100
77) Bromobenzene	12.75	156	12788	4.823	ug/l	100
78) n-propylbenzene	12.80	91	70279	4.768	ug/l	98
79) 2-Chlorotoluene	12.89	91	40606	4.823	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	48436	4.831	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	2723	3.687	ug/l #	80
82) 4-Chlorotoluene	12.99	91	42801	4.918	ug/l	99
83) tert-Butylbenzene	13.21	119	40380	4.766	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	48486	4.806	ug/l	100
85) sec-Butylbenzene	13.38	105	59046	4.791	ug/l	99
86) p-Isopropyltoluene	13.50	119	51976	4.711	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	25708	5.008	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	26521	5.197	ug/l	96
89) n-Butylbenzene	13.82	91	52964	4.798	ug/l	100
90) Hexachloroethane	14.10	117	8439	4.311	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	23438	5.054	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	1955	4.856	ug/l	89

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Acq On : 27 Jun 2019 15:01
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Sample : VSTDICC005
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Quant Time: Jun 28 01:41:25 2019
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Quant Title : SW846 8260
QLast Update : Fri Jun 28 01:35:58 2019
Response via : Initial Calibration

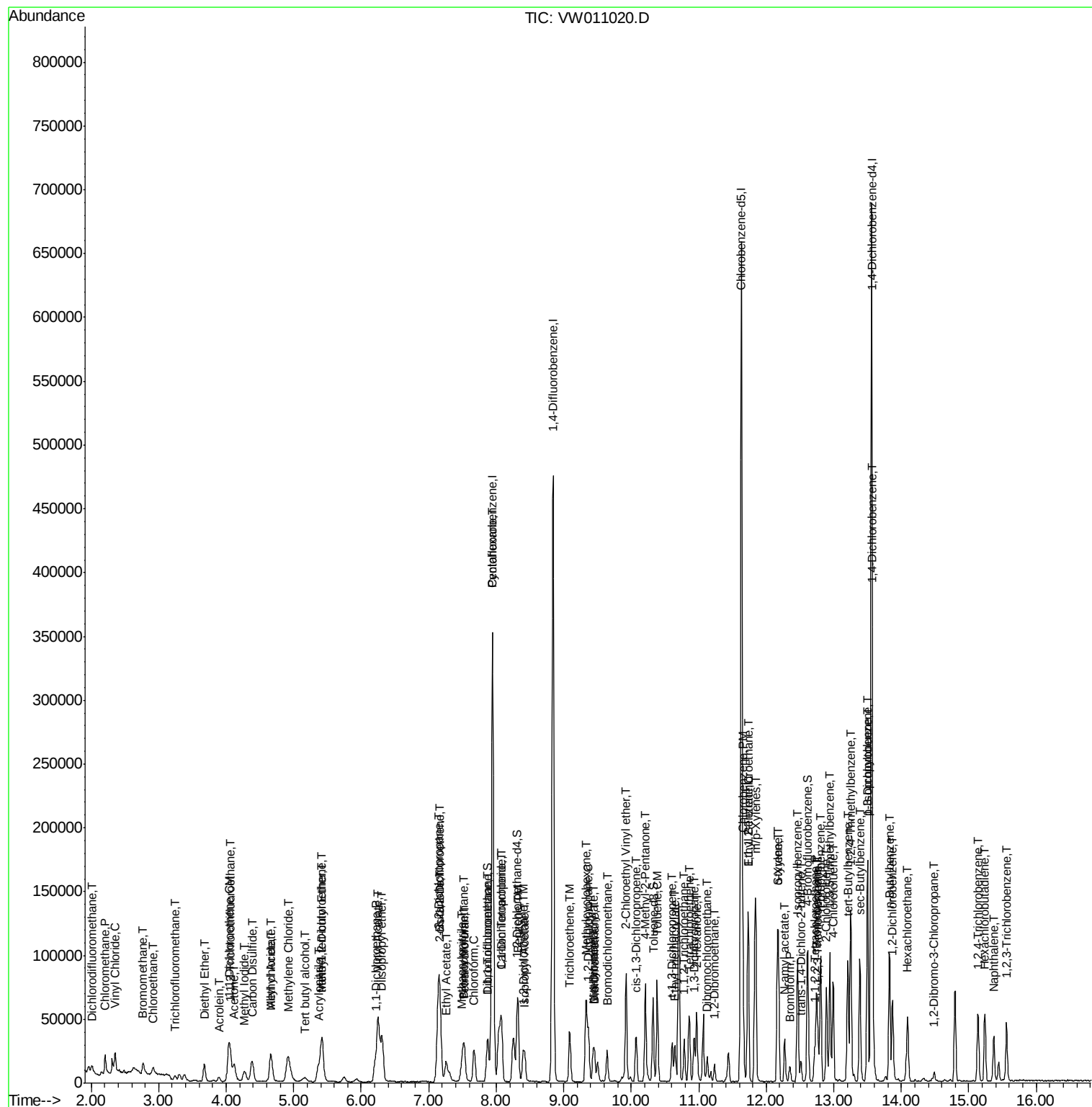
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	15607	4.799	ug/l	100
94) Hexachlorobutadiene	15.24	225	9934	4.900	ug/l	99
95) Naphthalene	15.37	128	27507	4.602	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	14806	5.321	ug/l	94

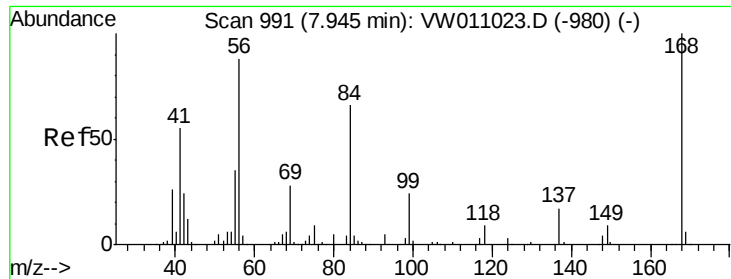
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Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062819\
Data File : VW011020.D
Acq On : 27 Jun 2019 15:01
Operator : SY/VA
Sample : VSTDIC005
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Quant Time: Jun 28 01:41:25 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW011020.D

Acq: 27 Jun 2019 15:01

Instrument :

MSVOA_W

ClientSampleId :

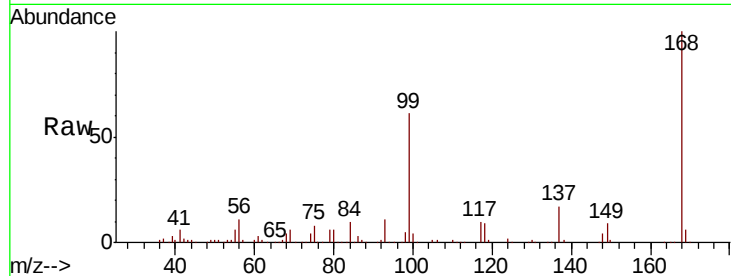
VSTDIC005

Tot Ion:168 Resp: 221514

Ion Ratio Lower Upper

168 100

99 60.7 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

120000

100000

80000

60000

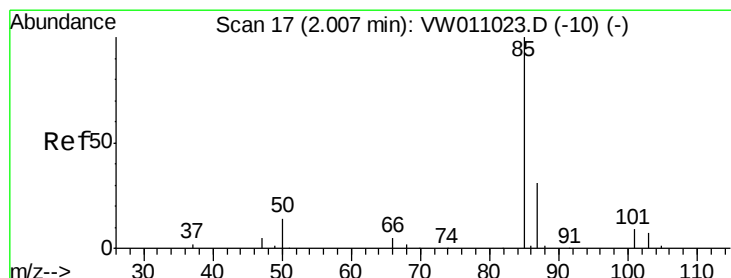
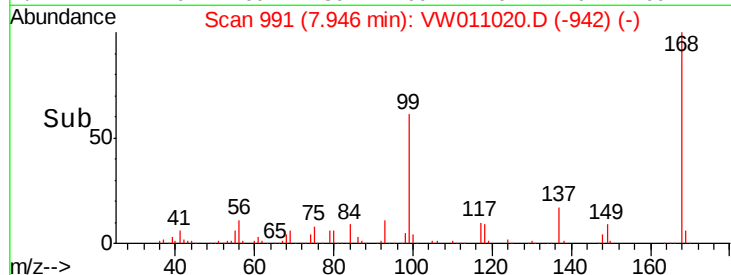
40000

20000

0

7.80 7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 3.755 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW011020.D

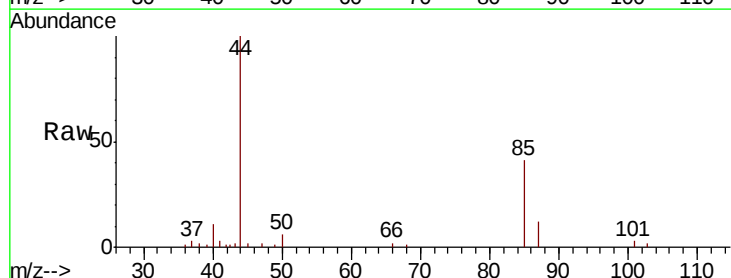
Acq: 27 Jun 2019 15:01

Tgt Ion: 85 Resp: 7551

Ion Ratio Lower Upper

85 100

87 30.2 15.7 47.0



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

3000

2500

2000

1500

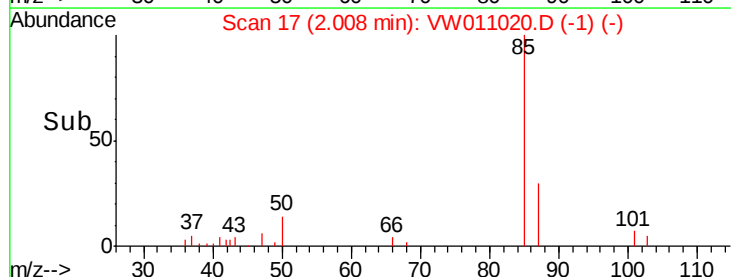
1000

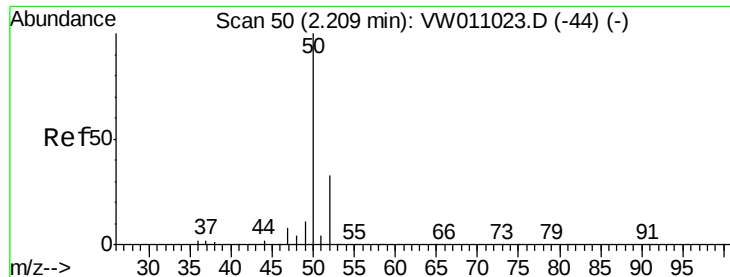
500

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 4.052 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW011020.D

Acq: 27 Jun 2019 15:01

Instrument :

MSVOA_W

ClientSampleId :

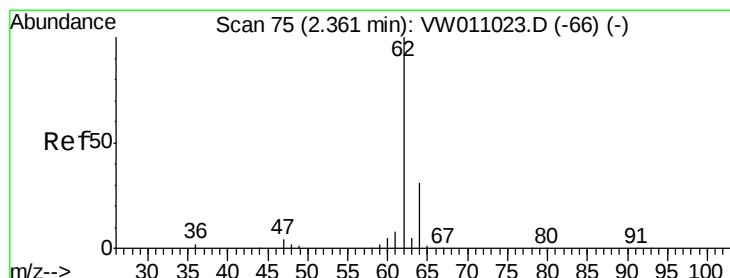
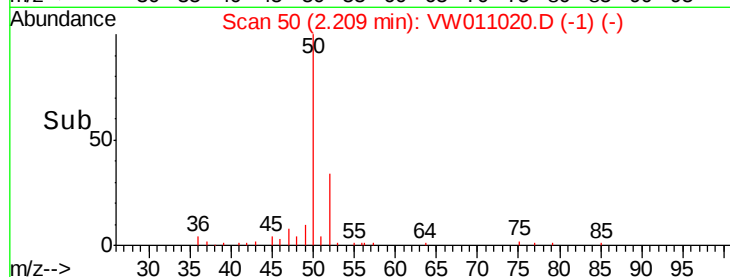
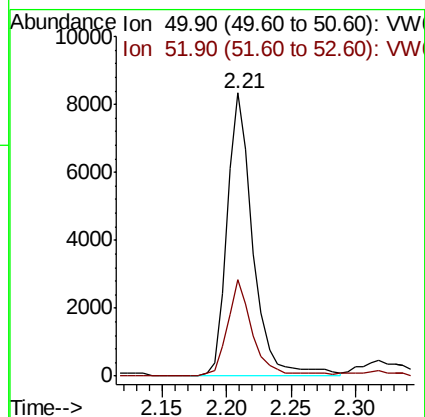
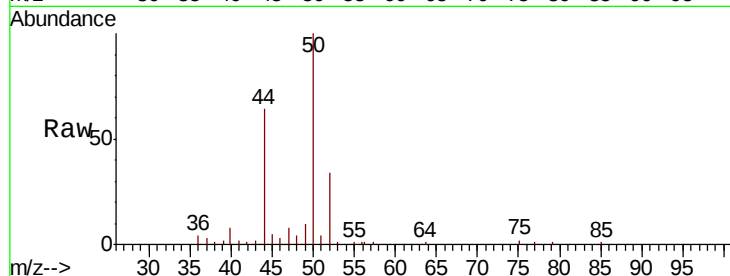
VSTDIC005

Tot Ion: 50 Resp: 11766

Ion Ratio Lower Upper

50 100

52 34.2 26.6 40.0



#4

Vinyl Chloride

Concen: 5.202 ug/l

RT: 2.36 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW011020.D

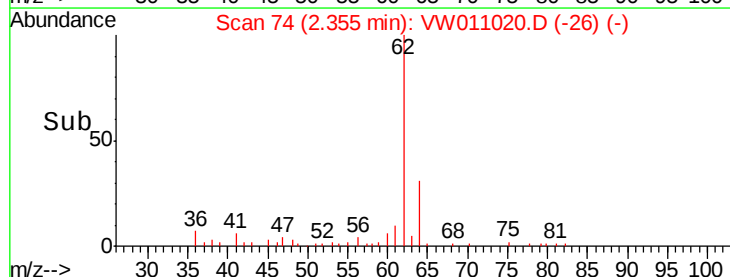
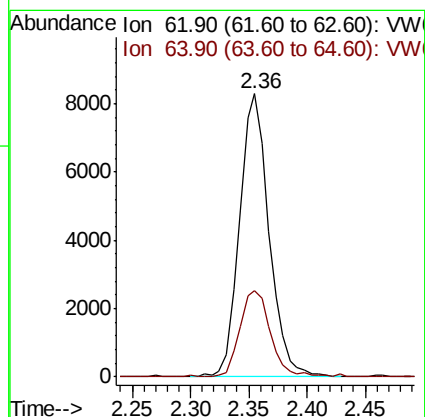
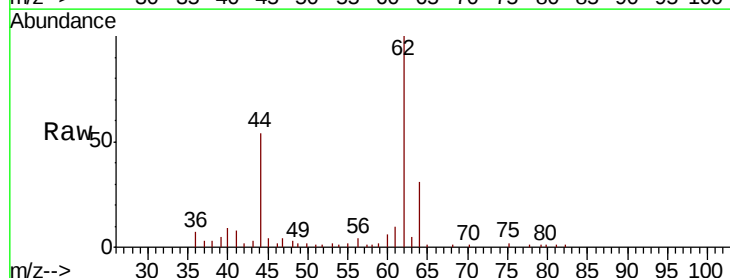
Acq: 27 Jun 2019 15:01

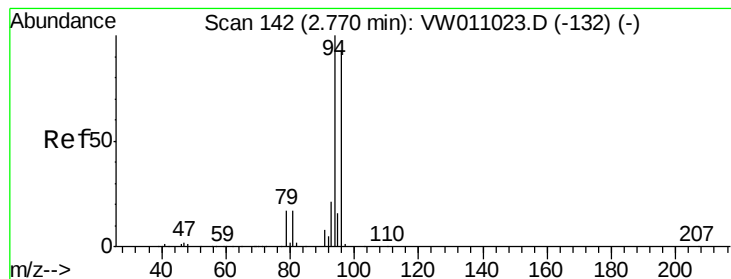
Tgt Ion: 62 Resp: 14685

Ion Ratio Lower Upper

62 100

64 30.0 24.8 37.2





#5

Bromomethane

Concen: 4.979 ug/l

RT: 2.77 min Scan# 142

Delta R.T. 0.00 min

Lab File: VW011020.D

Acq: 27 Jun 2019 15:01

Instrument :

MSVOA_W

ClientSampleId :

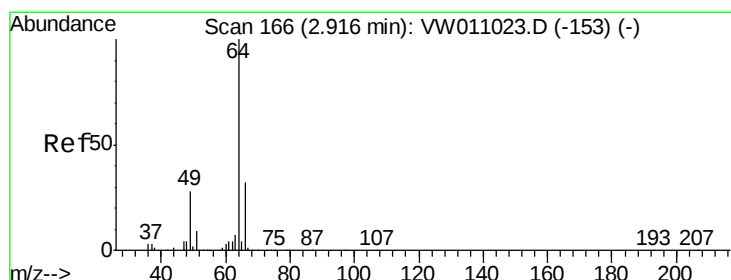
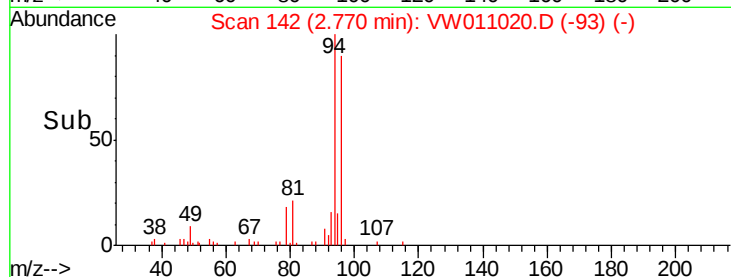
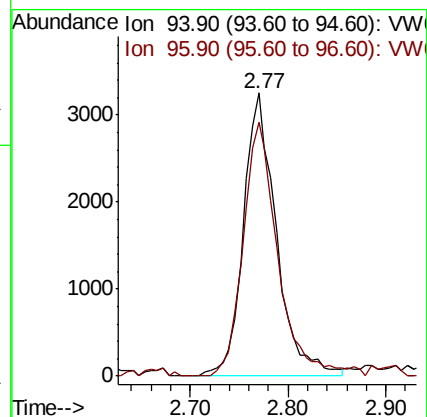
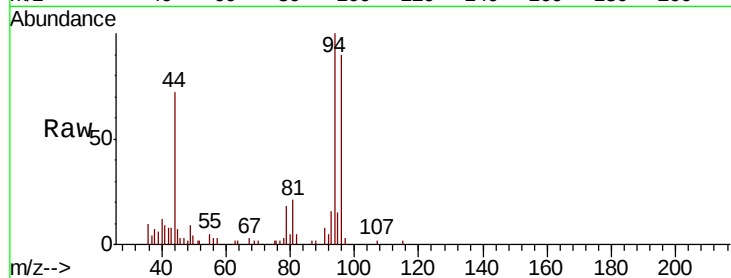
VSTDIC005

Tot Ion: 94 Resp: 7616

Ion Ratio Lower Upper

94 100

96 89.7 74.2 111.2



#6

Chloroethane

Concen: 4.323 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW011020.D

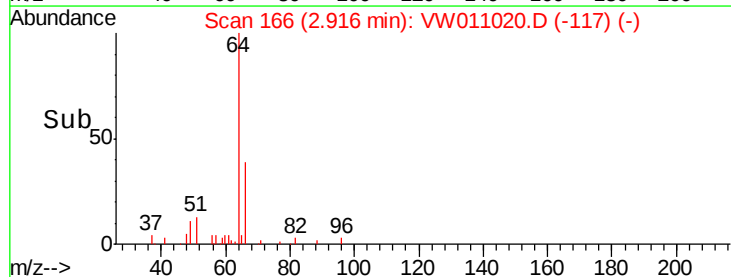
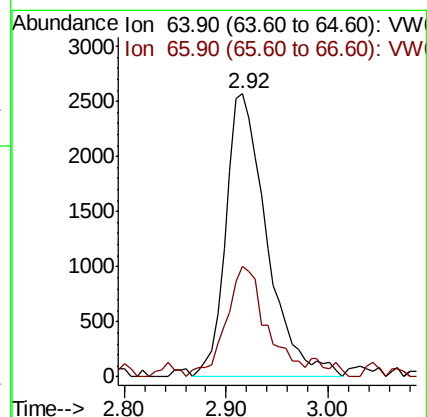
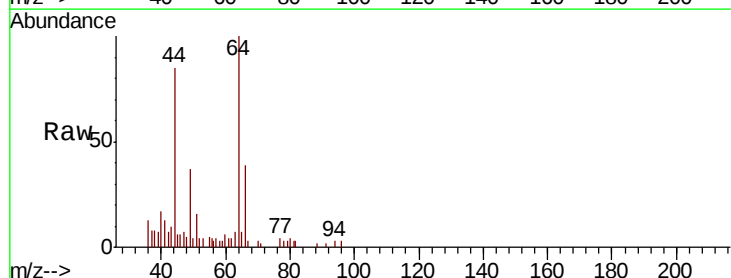
Acq: 27 Jun 2019 15:01

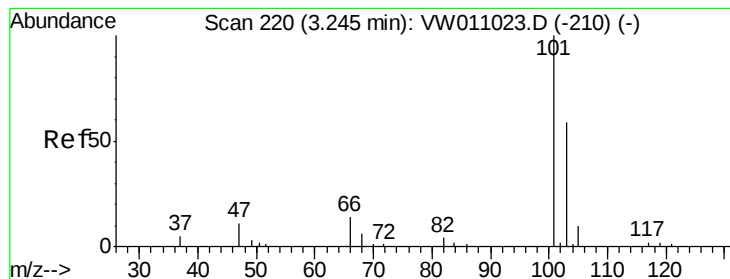
Tgt Ion: 64 Resp: 7159

Ion Ratio Lower Upper

64 100

66 36.7 25.7 38.5



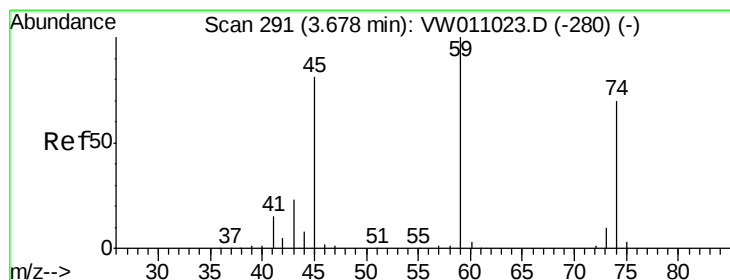
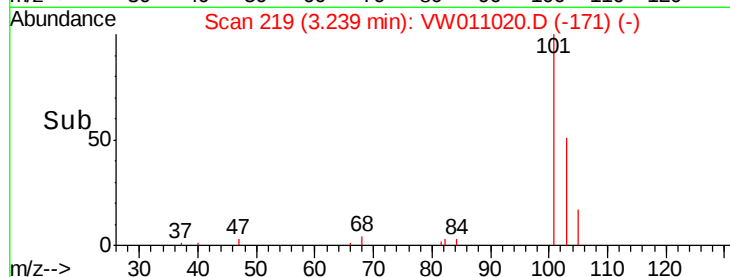
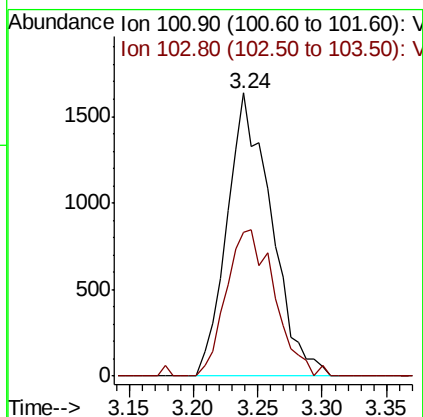
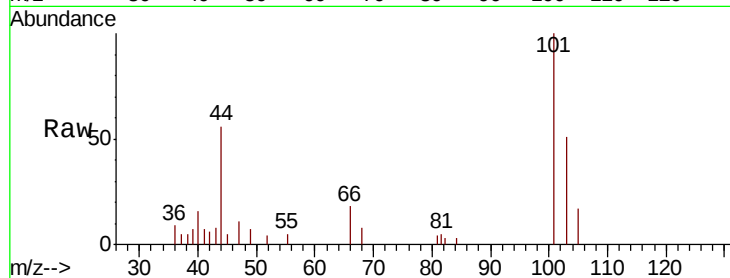


#7

Trichlorofluoromethane
 Concen: 1.225 ug/l
 RT: 3.24 min Scan# 219
 Delta R.T. -0.01 min
 Lab File: VW011020.D
 Acq: 27 Jun 2019 15:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

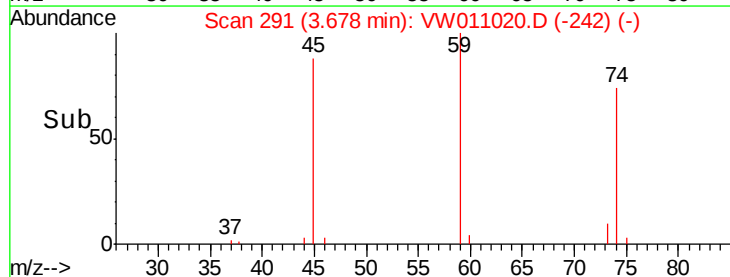
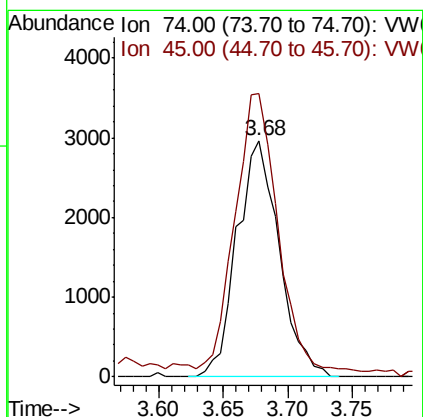
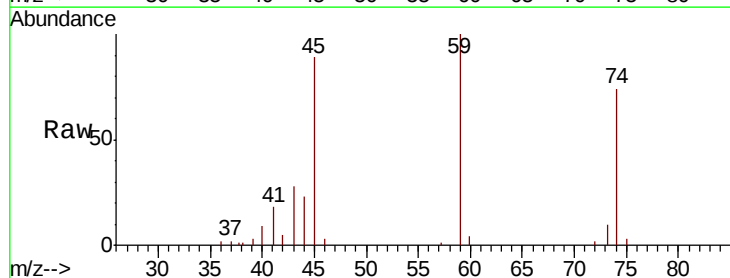
Tot Ion:101 Resp: 3902
 Ion Ratio Lower Upper
 101 100
 103 50.9 47.5 71.3

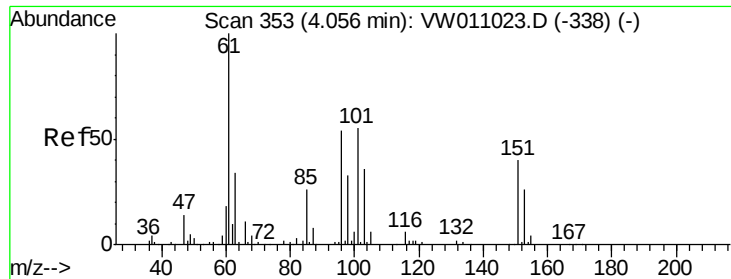


#8

Diethyl Ether
 Concen: 5.176 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. 0.00 min
 Lab File: VW011020.D
 Acq: 27 Jun 2019 15:01

Tgt Ion: 74 Resp: 6737
 Ion Ratio Lower Upper
 74 100
 45 120.6 59.5 178.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.328 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.01 min

Lab File: VW011020.D

Acq: 27 Jun 2019 15:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

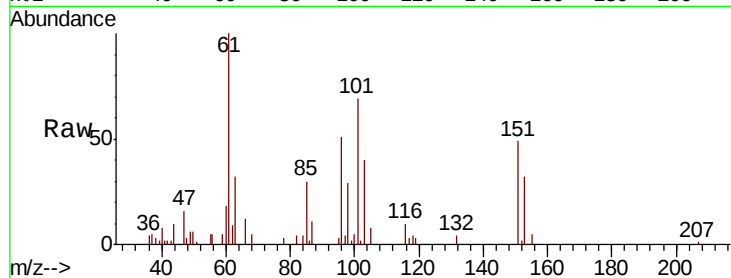
Tot Ion:101 Resp: 11980

Ion Ratio Lower Upper

101 100

85 45.1 36.6 55.0

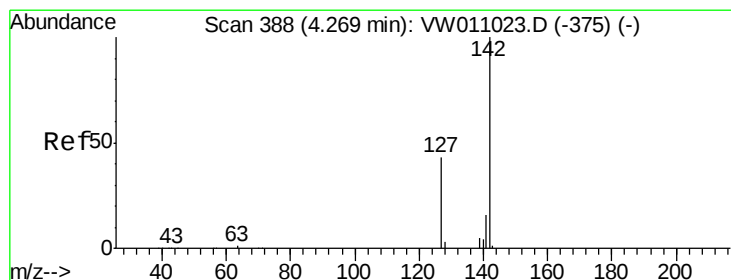
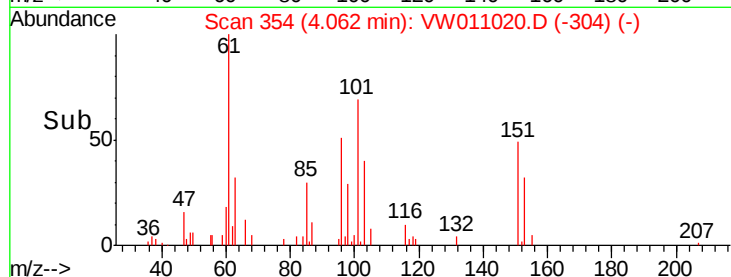
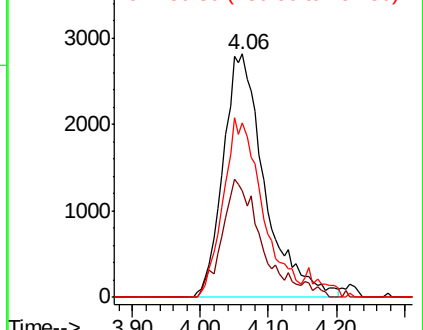
151 69.1 58.9 88.3



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: 7.476 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW011020.D

Acq: 27 Jun 2019 15:01

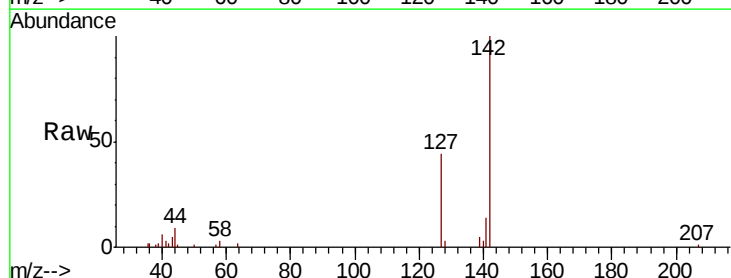
Tgt Ion:142 Resp: 16125

Ion Ratio Lower Upper

142 100

127 45.8 35.8 53.8

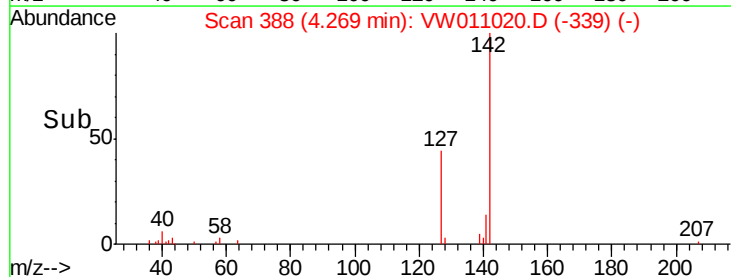
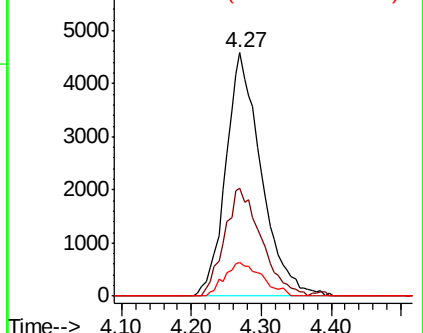
141 14.5 12.2 18.2

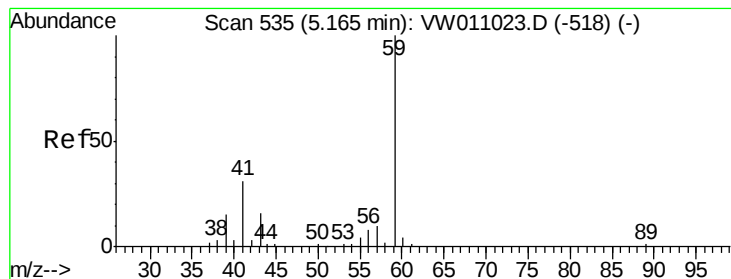


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



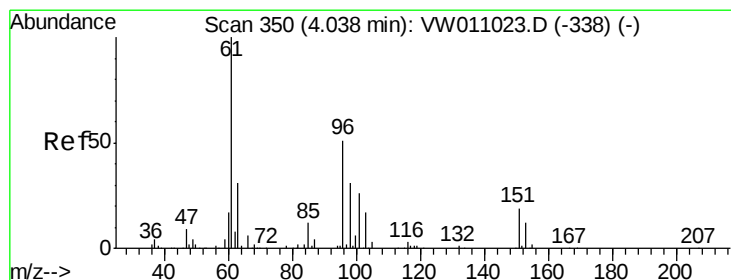
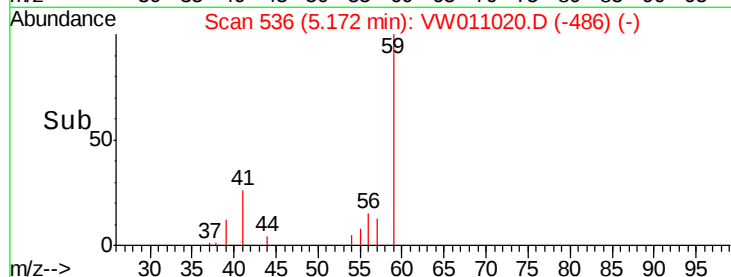
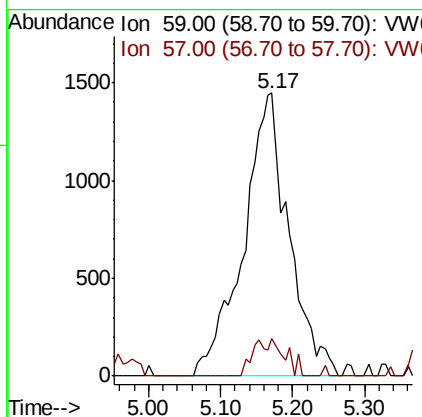
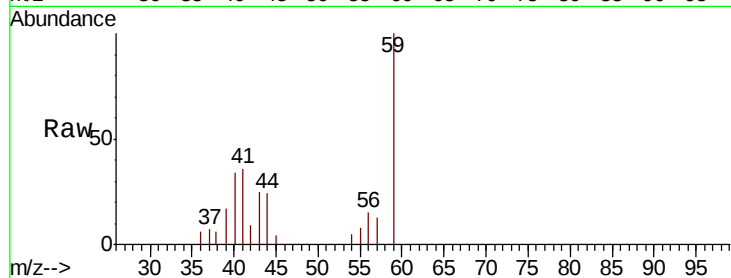


#11

Tert butyl alcohol
 Concen: 29.812 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. 0.01 min
 Lab File: VW011020.D
 Acq: 27 Jun 2019 15:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

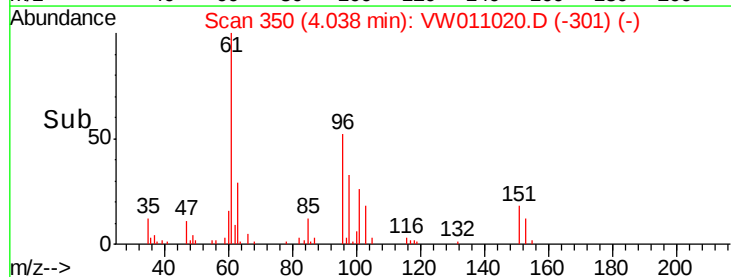
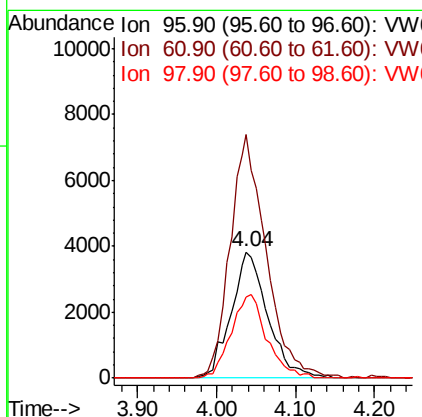
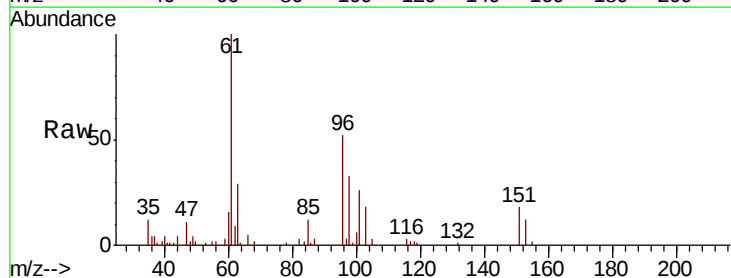
Tot Ion: 59 Resp: 6332
 Ion Ratio Lower Upper
 59 100
 57 4.5 9.0 13.4#

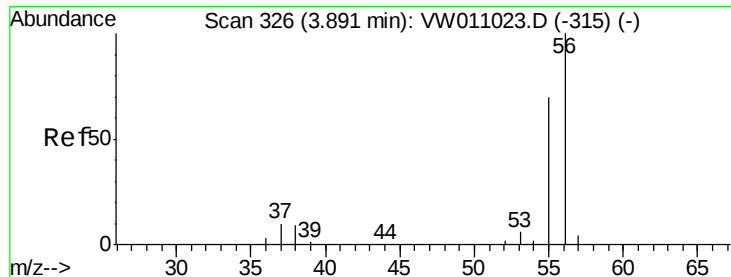


#12

1,1-Dichloroethene
 Concen: 5.626 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. 0.00 min
 Lab File: VW011020.D
 Acq: 27 Jun 2019 15:01

Tgt Ion: 96 Resp: 12411
 Ion Ratio Lower Upper
 96 100
 61 192.5 156.0 234.0
 98 63.9 48.7 73.1

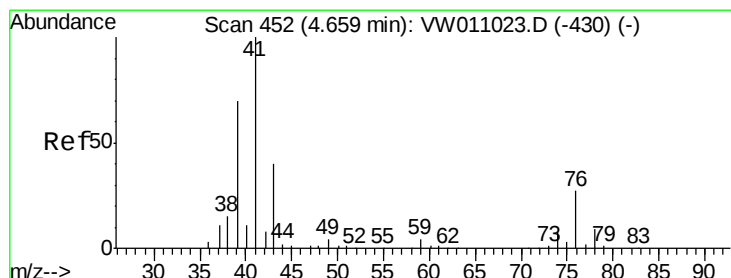
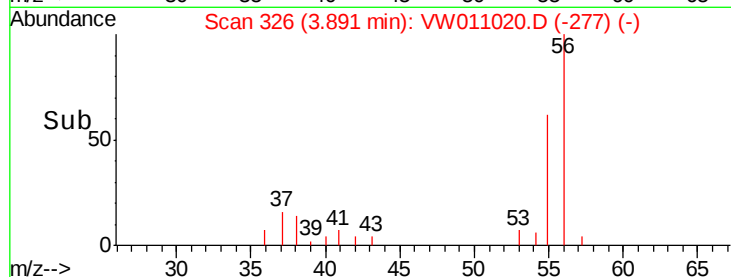
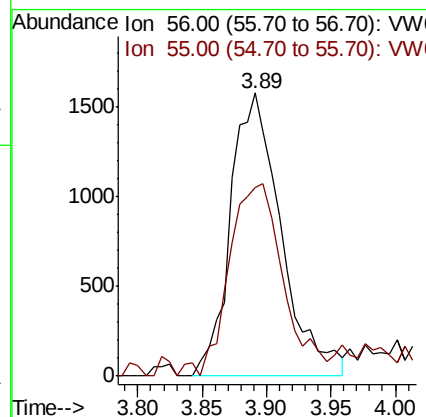
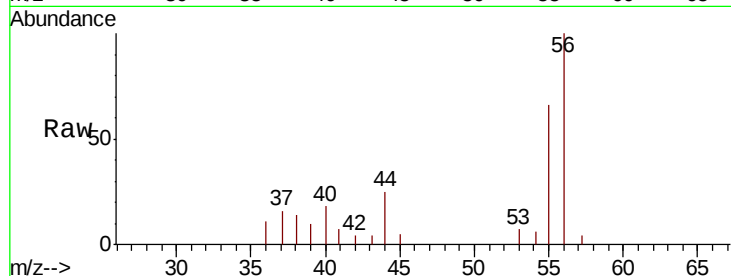




#13
 Acrolein
 Concen: 42.506 ug/l
 RT: 3.89 min Scan# 326
 Delta R.T. 0.00 min
 Lab File: VW011020.D
 Acq: 27 Jun 2019 15:01

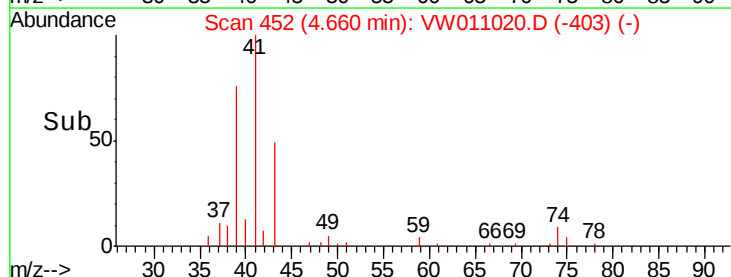
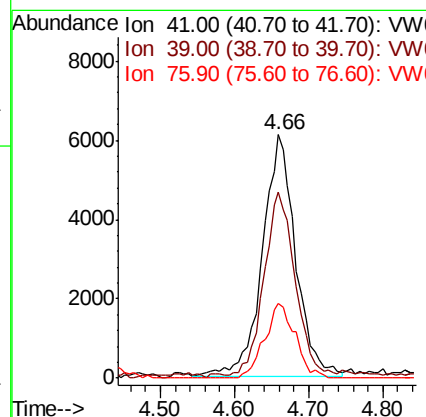
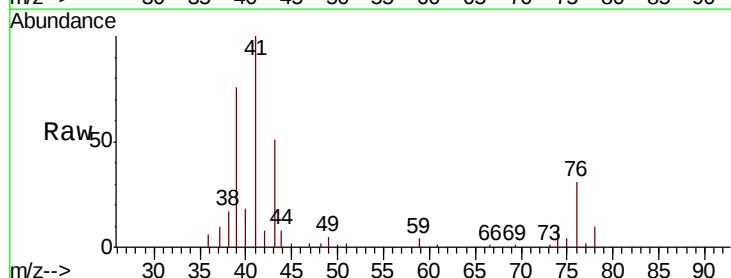
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

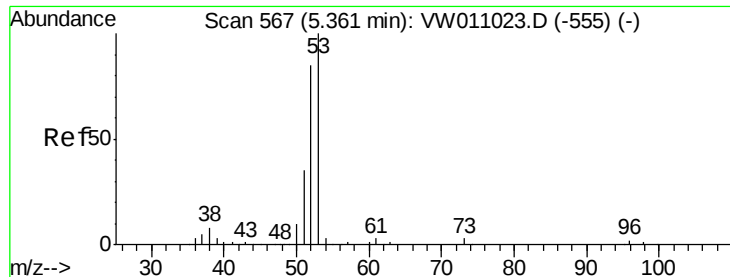
Tot Ion: 56 Resp: 4324
 Ion Ratio Lower Upper
 56 100
 55 73.0 55.7 83.5



#14
 Allyl chloride
 Concen: 4.084 ug/l
 RT: 4.66 min Scan# 452
 Delta R.T. 0.00 min
 Lab File: VW011020.D
 Acq: 27 Jun 2019 15:01

Tgt Ion: 41 Resp: 18896
 Ion Ratio Lower Upper
 41 100
 39 71.9 55.4 83.2
 76 28.8 22.0 33.0





#15

Acrylonitrile

Concen: 25.687 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW011020.D

Acq: 27 Jun 2019 15:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

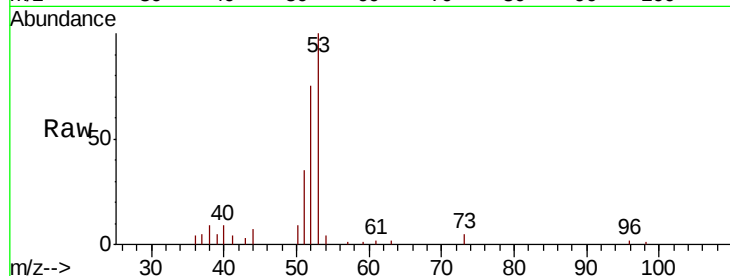
Tot Ion: 53 Resp: 16455

Ion Ratio Lower Upper

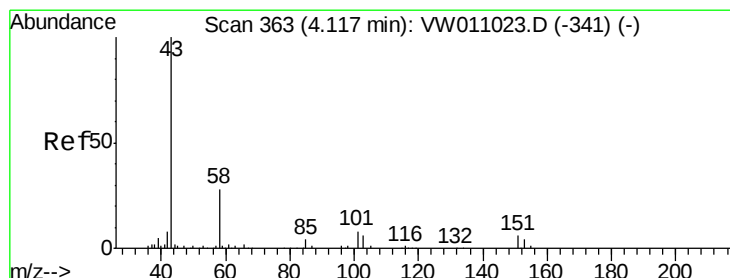
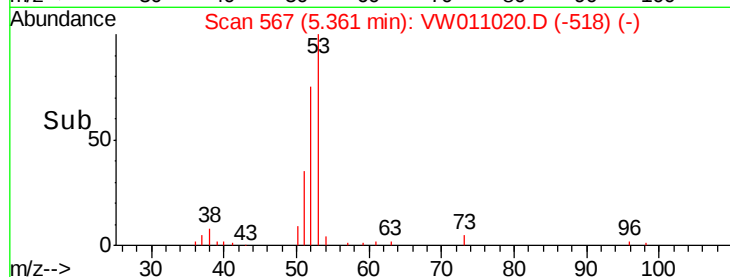
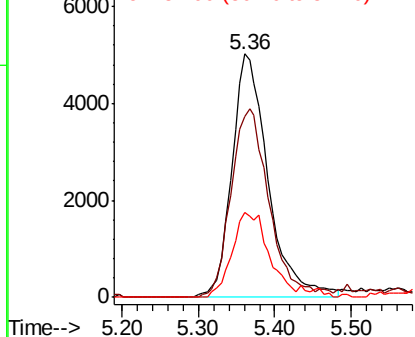
53 100

52 80.7 66.3 99.5

51 35.1 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: 26.676 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW011020.D

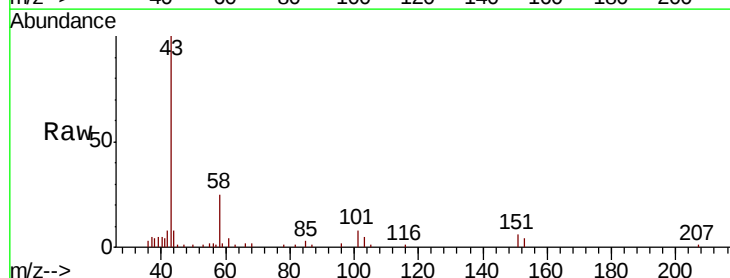
Acq: 27 Jun 2019 15:01

Tgt Ion: 43 Resp: 18700

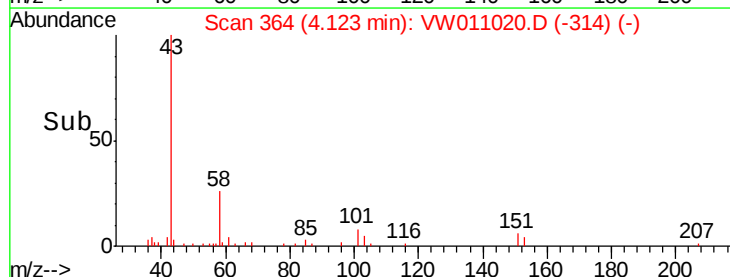
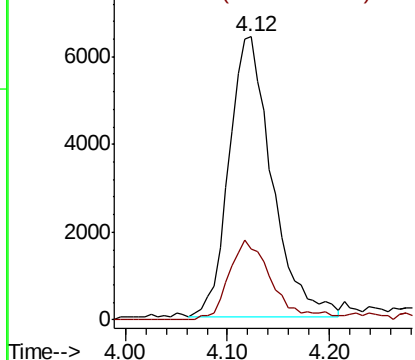
Ion Ratio Lower Upper

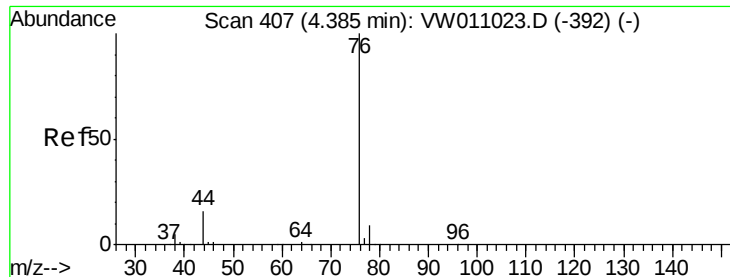
43 100

58 25.2 22.5 33.7



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

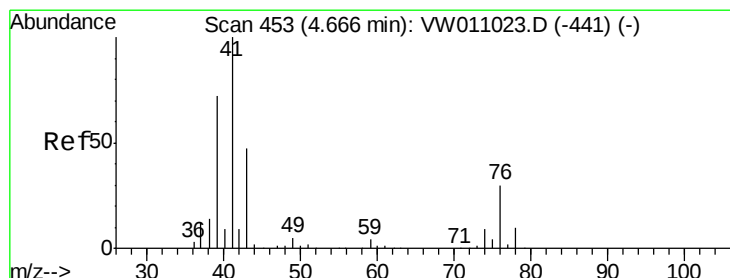
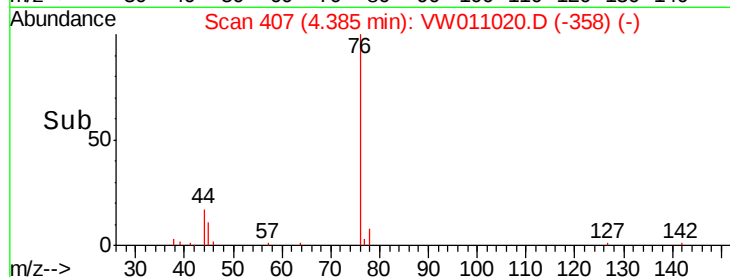
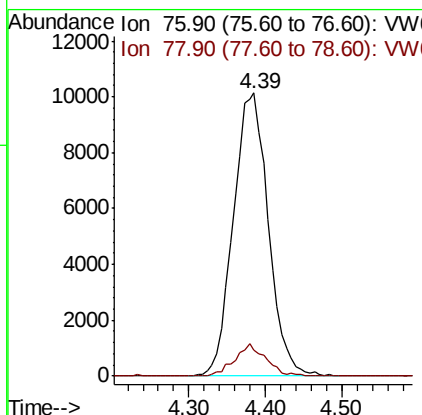
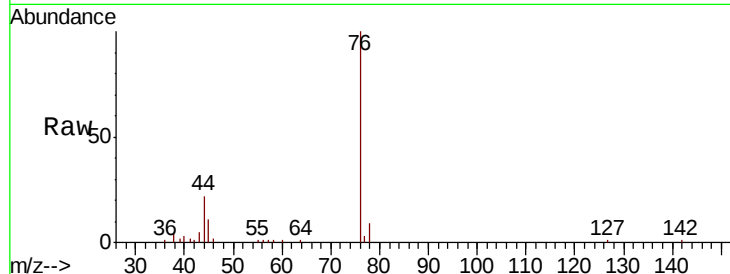




#17
Carbon Disulfide
Concen: 4.644 ug/l
RT: 4.39 min Scan# 407
Delta R.T. 0.00 min
Lab File: VW011020.D
Acq: 27 Jun 2019 15:01

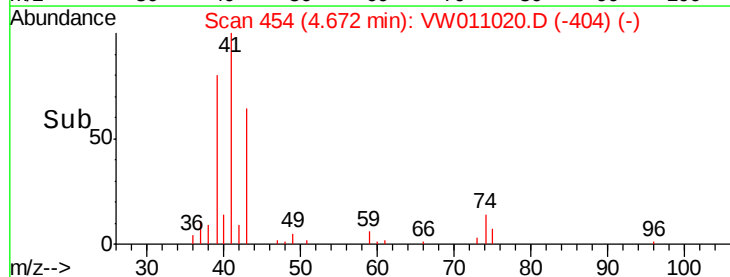
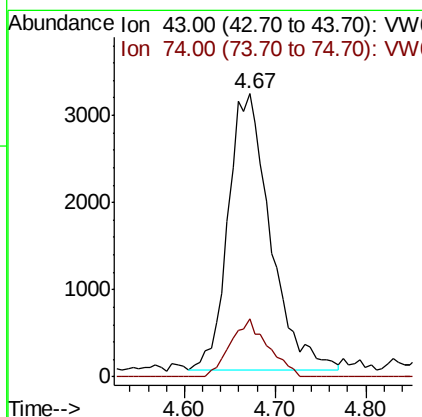
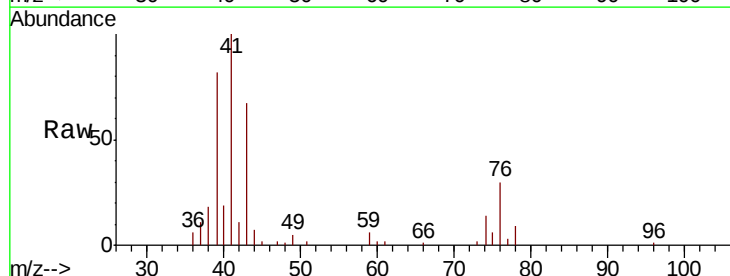
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

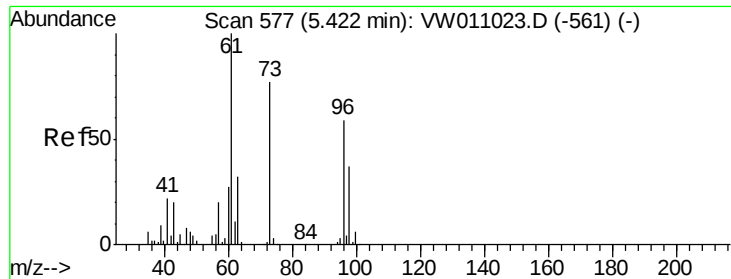
Tot Ion: 76 Resp: 32123
Ion Ratio Lower Upper
76 100
78 9.3 7.2 10.8



#18
Methyl Acetate
Concen: 6.581 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW011020.D
Acq: 27 Jun 2019 15:01

Tgt Ion: 43 Resp: 10228
Ion Ratio Lower Upper
43 100
74 18.7 15.8 23.8

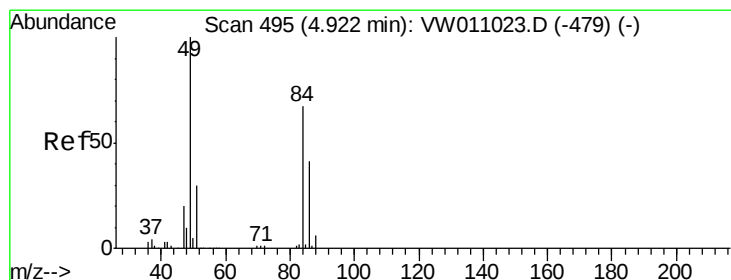
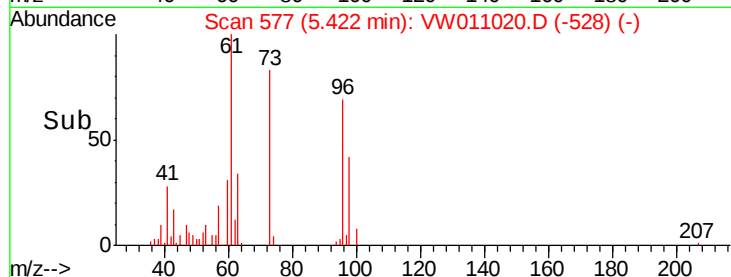
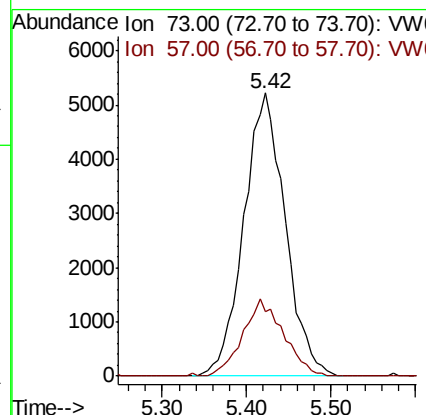
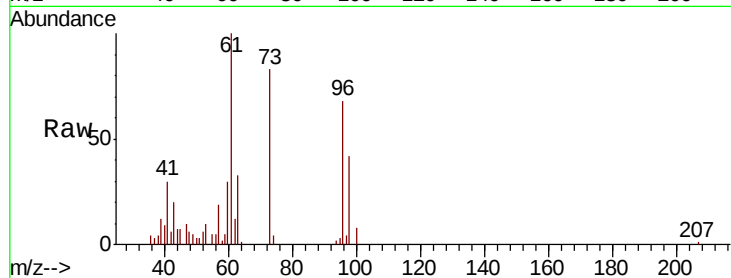




#19
Methyl tert-butyl Ether
Concen: 3.011 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW011020.D
Acq: 27 Jun 2019 15:01

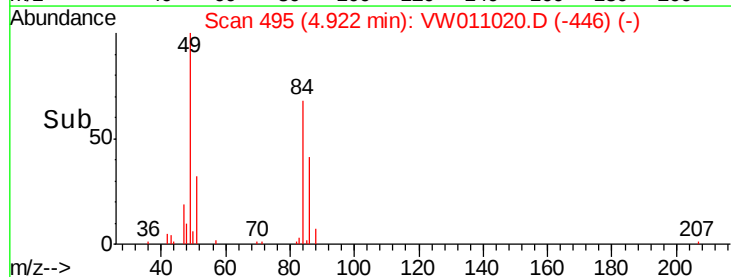
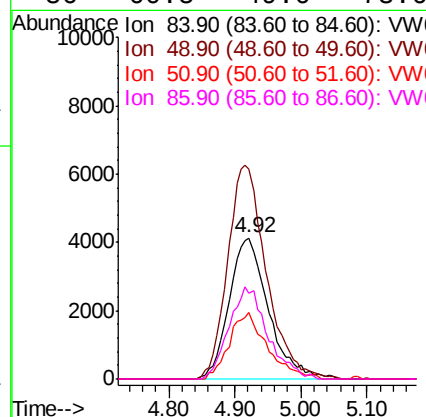
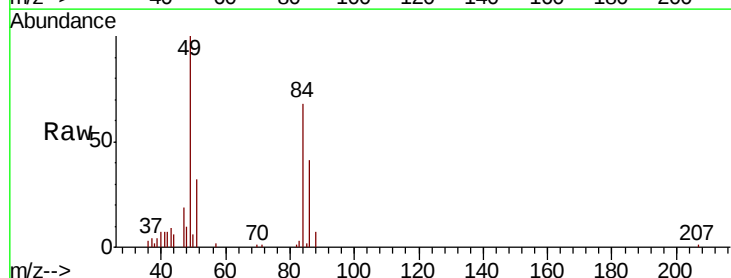
Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

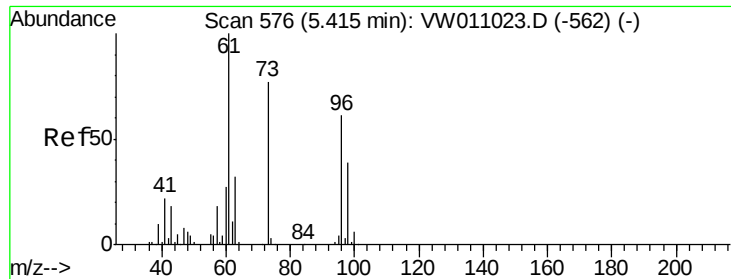
Tot Ion: 73 Resp: 17399
Ion Ratio Lower Upper
73 100
57 22.7 20.8 31.2



#20
Methylene Chloride
Concen: 6.749 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW011020.D
Acq: 27 Jun 2019 15:01

Tgt Ion: 84 Resp: 16917
Ion Ratio Lower Upper
84 100
49 148.1 119.6 179.4
51 47.5 35.6 53.4
86 60.5 49.0 73.6





#21

trans-1,2-Dichloroethene

Concen: 5.127 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.01 min

Lab File: VW011020.D

Acq: 27 Jun 2019 15:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

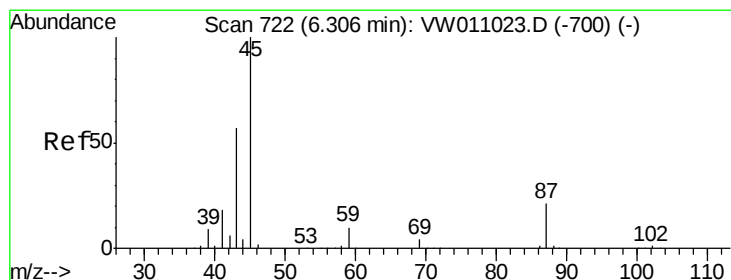
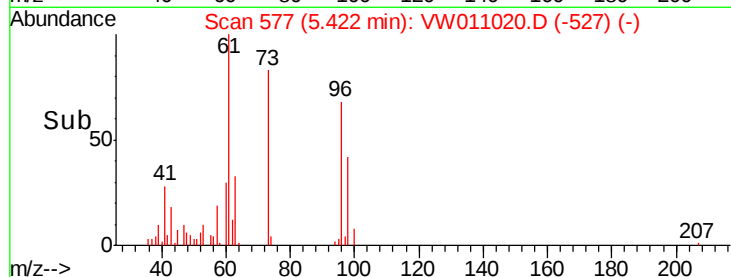
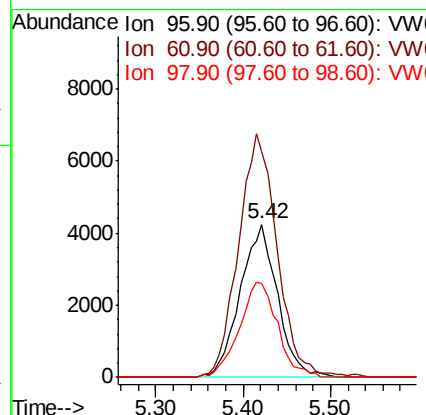
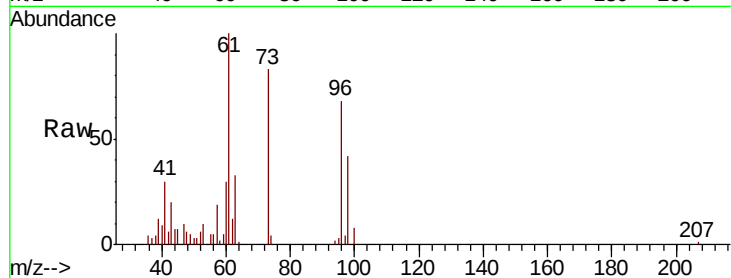
Tot Ion: 96 Resp: 12575

Ion Ratio Lower Upper

96 100

61 147.3 131.0 196.4

98 61.3 50.8 76.2



#22

Diisopropyl ether

Concen: 4.899 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW011020.D

Acq: 27 Jun 2019 15:01

Tgt Ion: 45 Resp: 46611

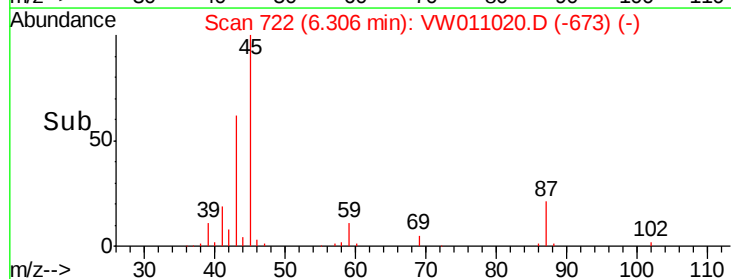
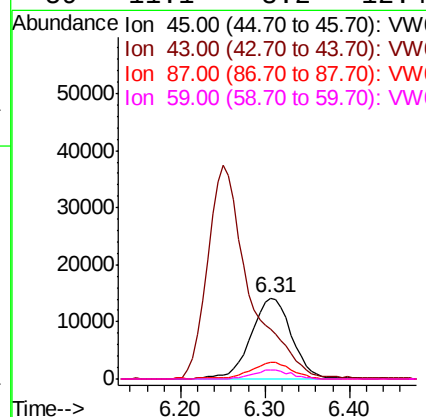
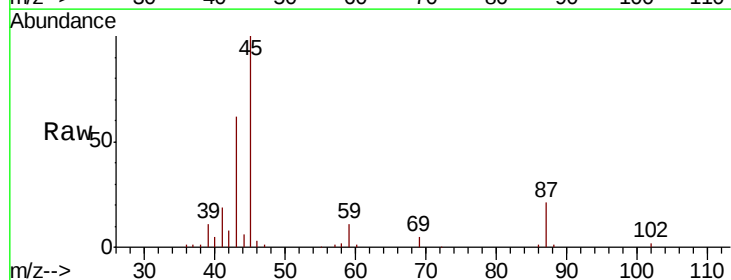
Ion Ratio Lower Upper

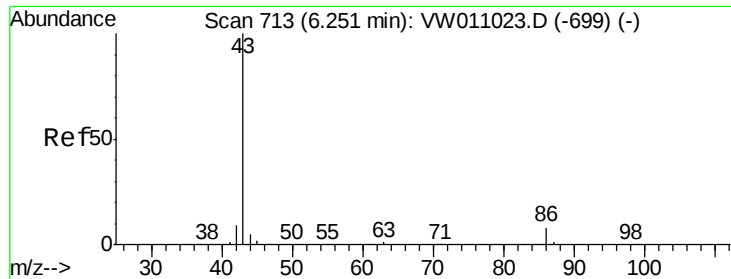
45 100

43 60.1 45.8 68.6

87 21.4 17.1 25.7

59 11.1 8.2 12.4





#23

Vinyl Acetate

Concen: 22.261 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW011020.D

Acq: 27 Jun 2019 15:01

Instrument :

MSVOA_W

ClientSampleId :

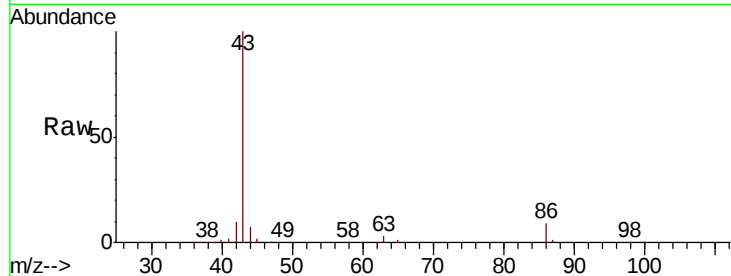
VSTDIC005

Tot Ion: 43 Resp: 128857

Ion Ratio Lower Upper

43 100

86 9.3 6.6 10.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.25

40000

30000

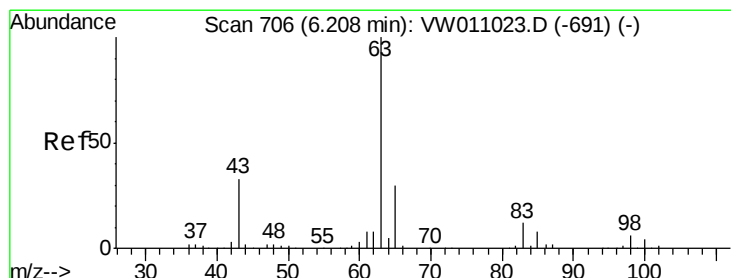
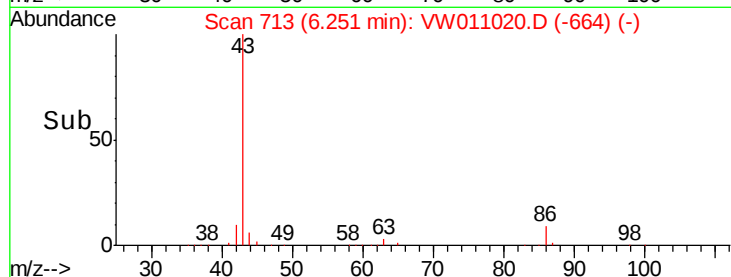
20000

10000

0

6.10 6.20 6.30 6.40 6.50

Time-->



#24

1,1-Dichloroethane

Concen: 5.214 ug/l

RT: 6.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: VW011020.D

Acq: 27 Jun 2019 15:01

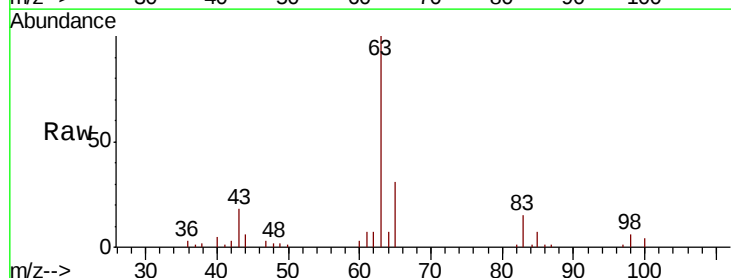
Tgt Ion: 63 Resp: 25079

Ion Ratio Lower Upper

63 100

98 5.7 3.1 9.4

100 3.7 2.1 6.2



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

10000

8000

6000

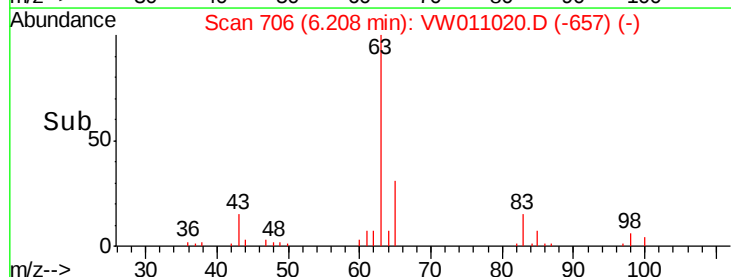
4000

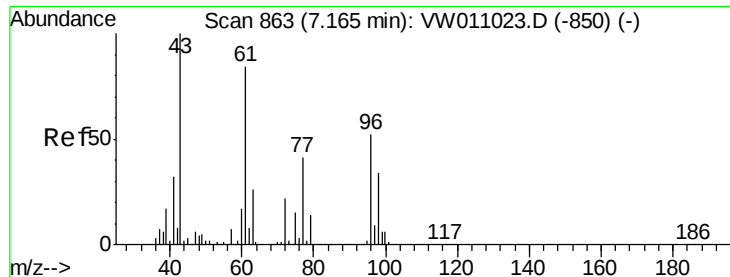
2000

0

6.10 6.20 6.30

Time-->





#25

2-Butanone

Concen: 27.741 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW011020.D

Acq: 27 Jun 2019 15:01

Instrument :

MSVOA_W

ClientSampleId :

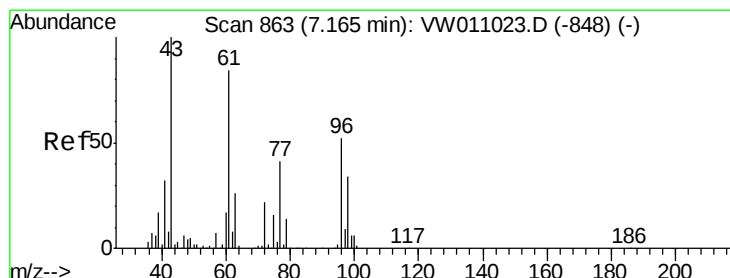
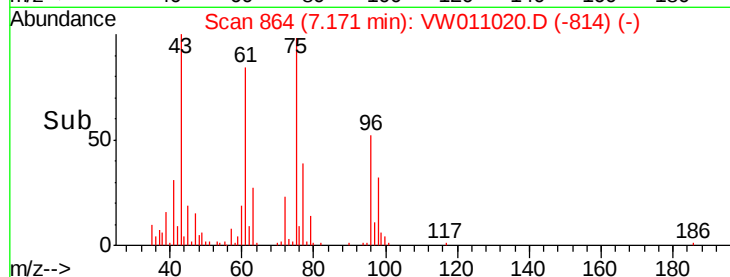
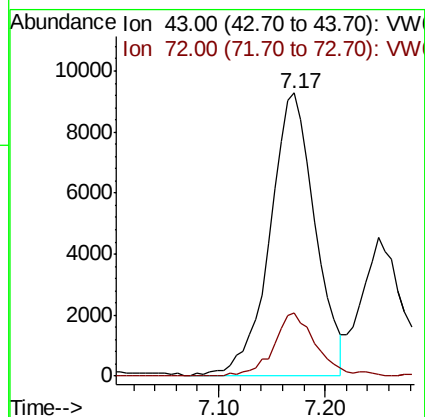
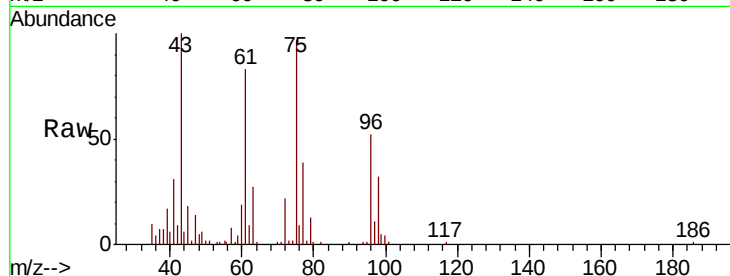
VSTDIC005

Tot Ion: 43 Resp: 27377

Ion Ratio Lower Upper

43 100

72 22.5 17.2 25.8



#26

2,2-Dichloropropane

Concen: 4.288 ug/l

RT: 7.15 min Scan# 861

Delta R.T. -0.01 min

Lab File: VW011020.D

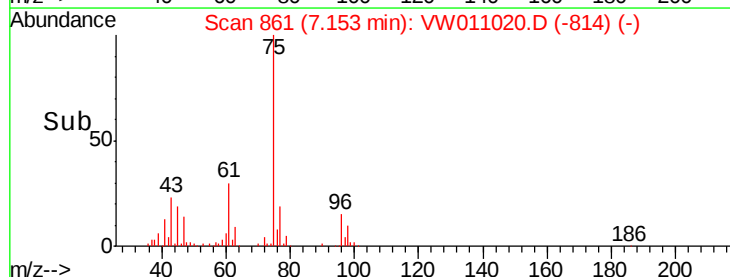
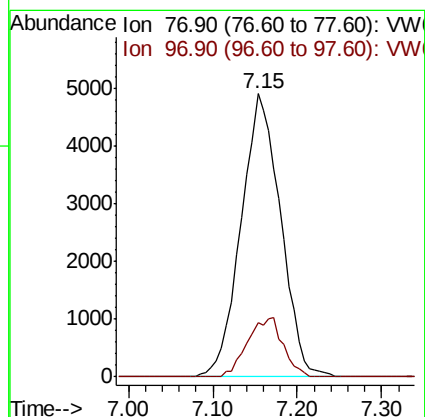
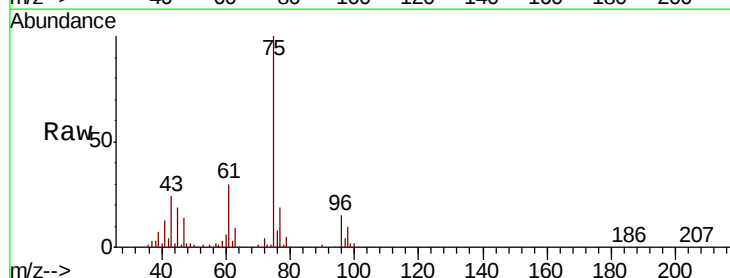
Acq: 27 Jun 2019 15:01

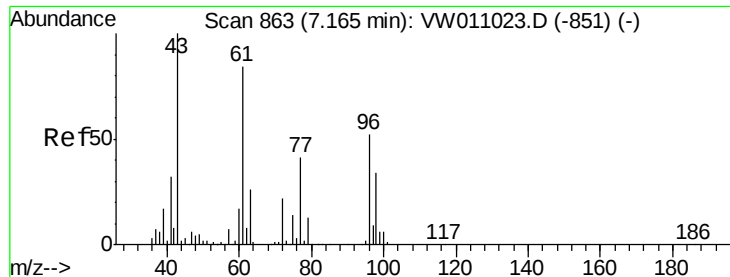
Tgt Ion: 77 Resp: 15646

Ion Ratio Lower Upper

77 100

97 18.9 10.9 32.7





#27

cis-1,2-Dichloroethene

Concen: 4.918 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW011020.D

Acq: 27 Jun 2019 15:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

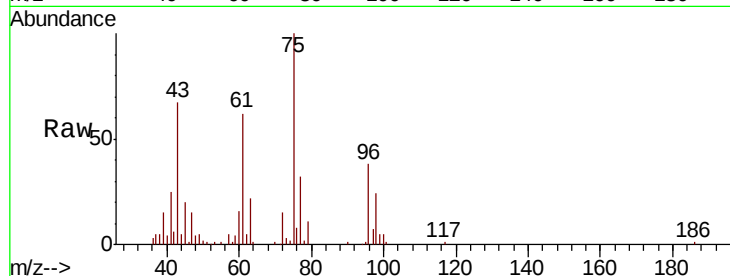
Tot Ion: 96 Resp: 13251

Ion Ratio Lower Upper

96 100

61 186.7 0.0 330.4

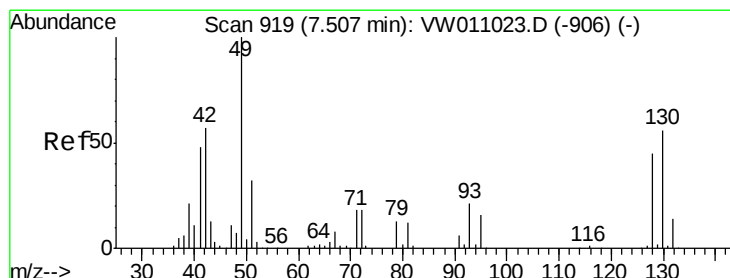
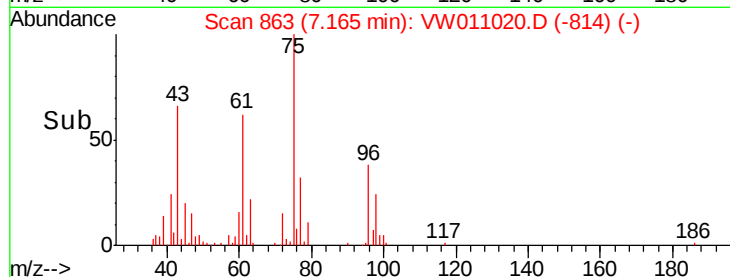
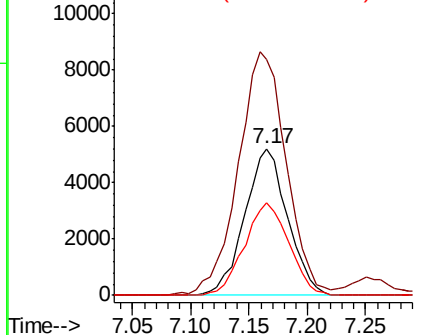
98 65.5 0.0 129.4



Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#28

Bromochloromethane

Concen: 5.499 ug/l

RT: 7.51 min Scan# 919

Delta R.T. 0.00 min

Lab File: VW011020.D

Acq: 27 Jun 2019 15:01

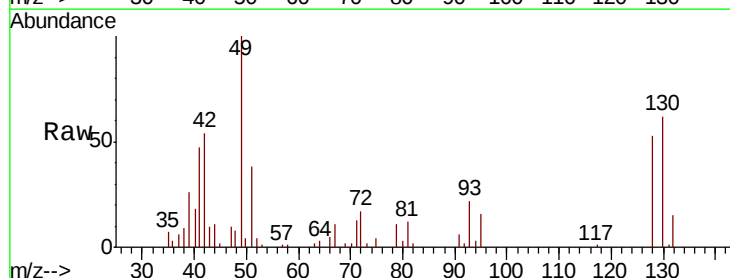
Tgt Ion: 49 Resp: 12108

Ion Ratio Lower Upper

49 100

129 0.6 0.0 3.4

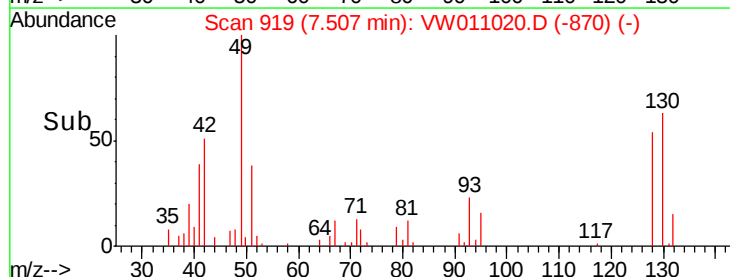
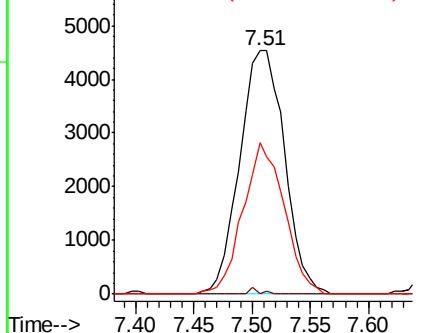
130 57.2 46.1 69.1

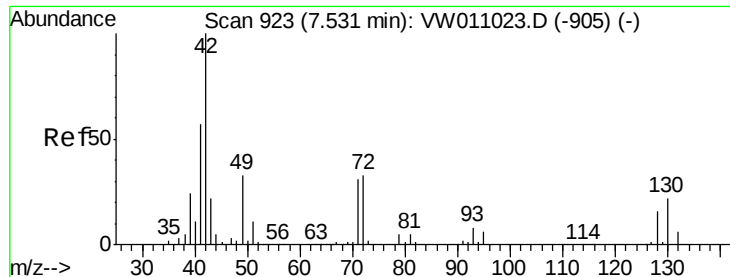


Abundance Ion 48.90 (48.60 to 49.60): VW

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 26.114 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.00 min

Lab File: VW011020.D

Acq: 27 Jun 2019 15:01

Instrument :

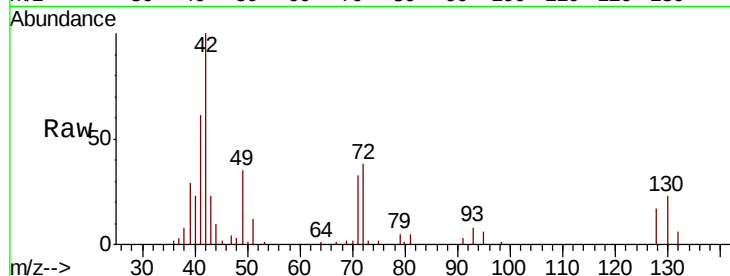
MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 42 Resp: 16329

Ion	Ratio	Lower	Upper
42	100		
72	35.7	27.4	41.0
71	31.3	25.6	38.4

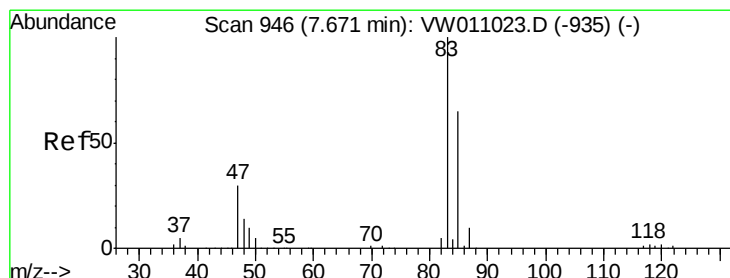
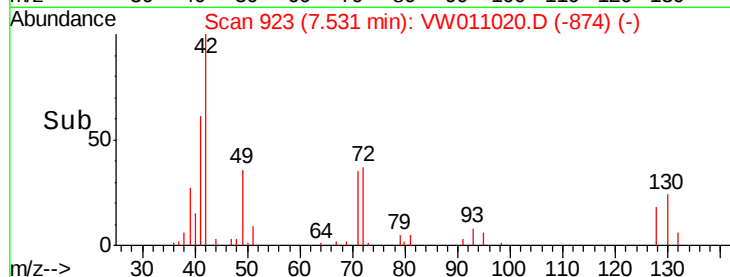
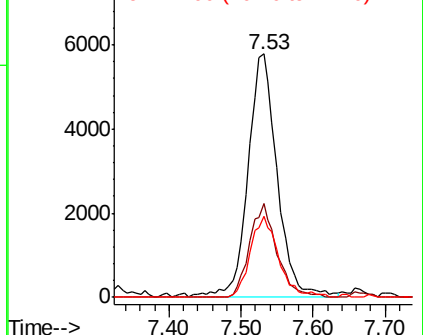


Abundance

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: 5.256 ug/l

RT: 7.67 min Scan# 946

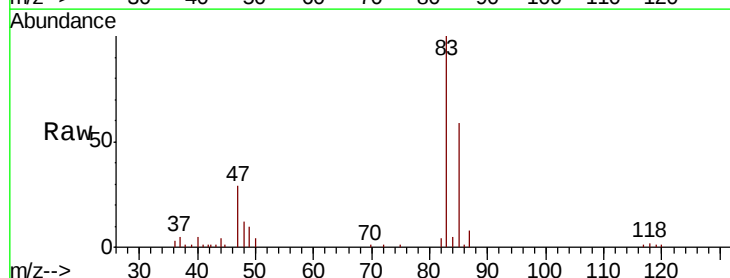
Delta R.T. -0.01 min

Lab File: VW011020.D

Acq: 27 Jun 2019 15:01

Tgt Ion: 83 Resp: 23112

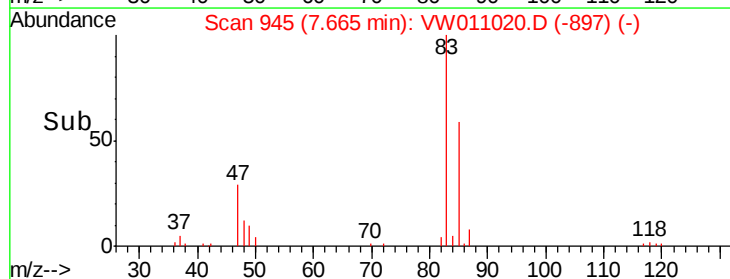
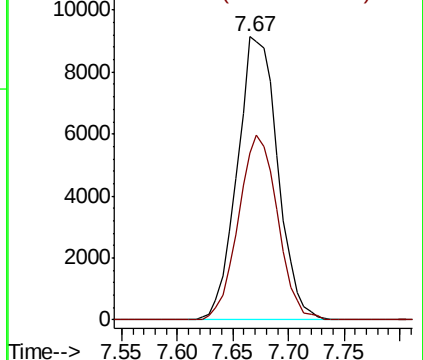
Ion	Ratio	Lower	Upper
83	100		
85	59.1	52.2	78.4

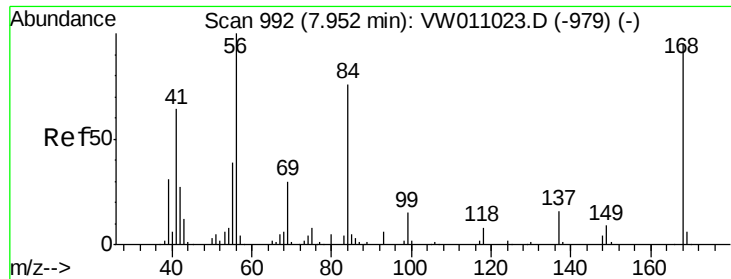


Abundance

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

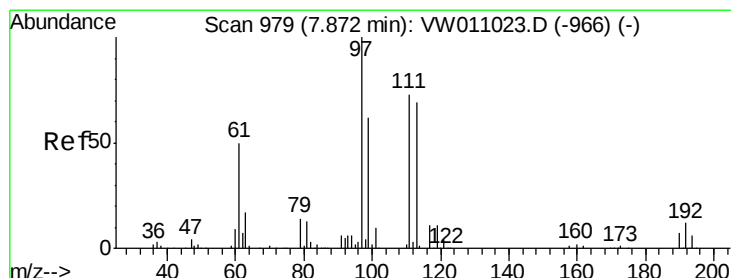
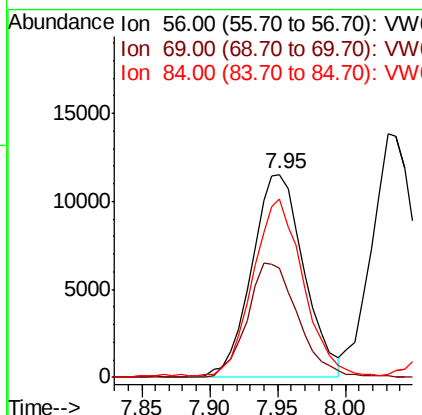
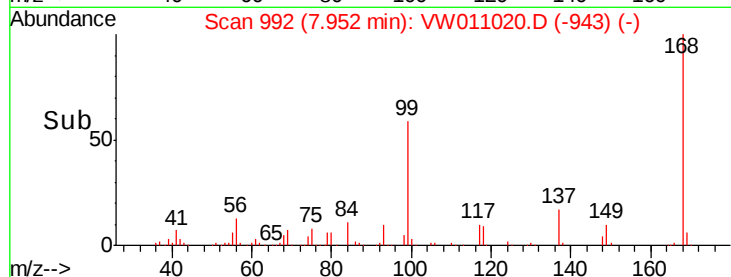
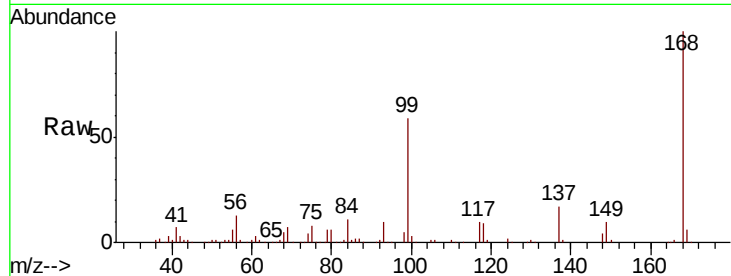




#31
Cyclohexane
Concen: 5.816 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW011020.D
Acq: 27 Jun 2019 15:01

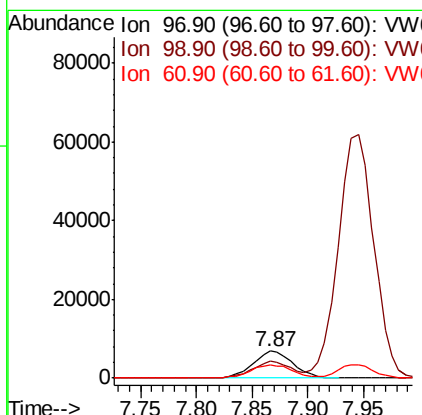
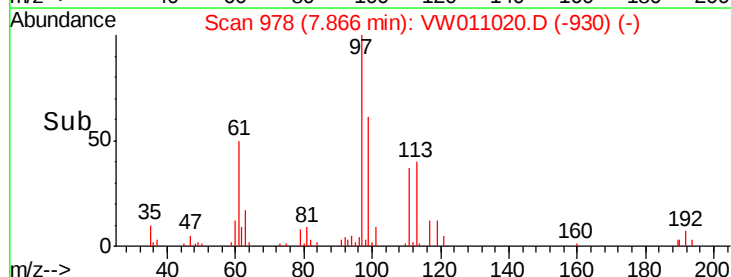
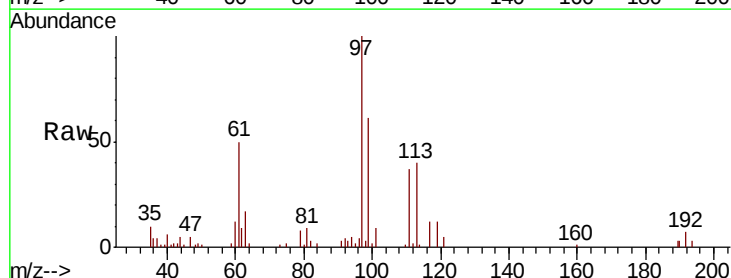
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

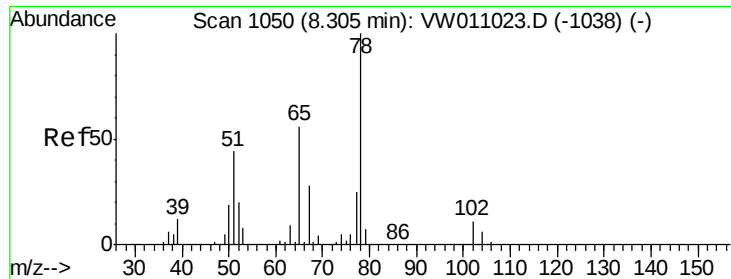
Tot Ion: 56 Resp: 30941
Ion Ratio Lower Upper
56 100
69 53.6 24.2 36.2#
84 87.2 60.6 90.8



#32
1,1,1-Trichloroethane
Concen: 4.546 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW011020.D
Acq: 27 Jun 2019 15:01

Tgt Ion: 97 Resp: 17035
Ion Ratio Lower Upper
97 100
99 61.1 51.1 76.7
61 51.7 41.4 62.2

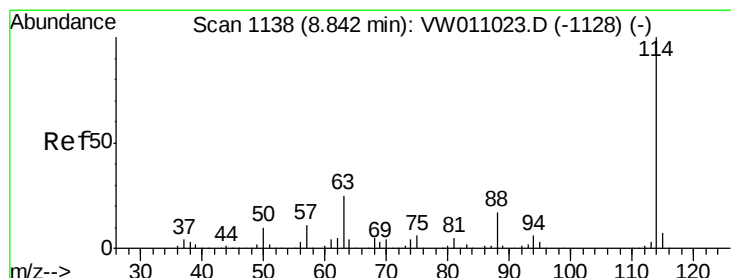
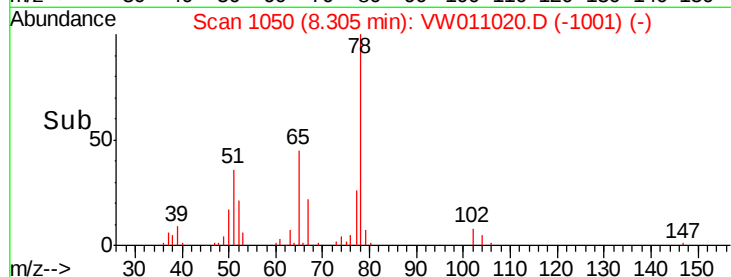
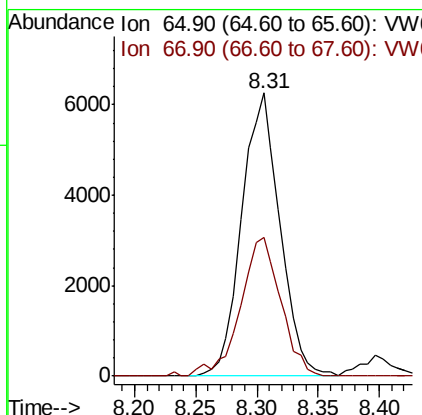
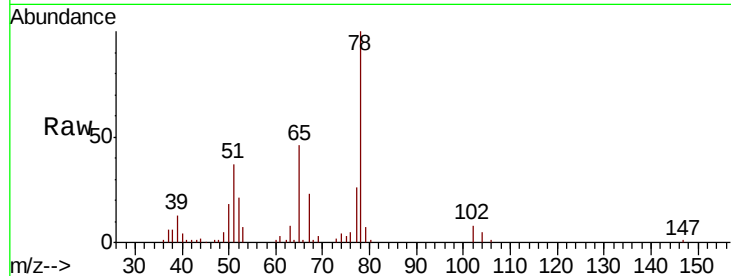




#33
 1,2-Dichloroethane-d4
 Concen: 4.974 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW011020.D
 Acq: 27 Jun 2019 15:01

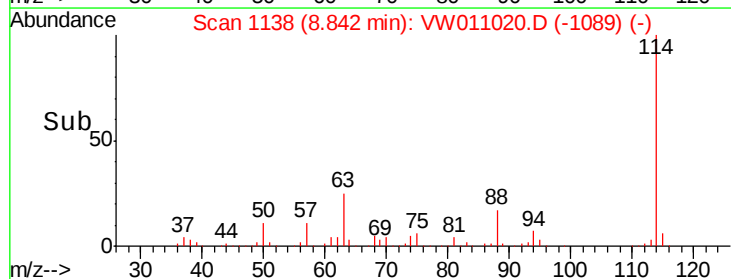
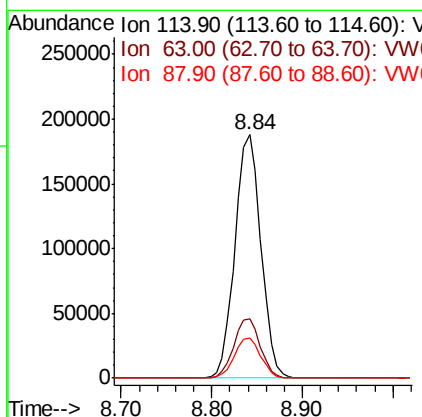
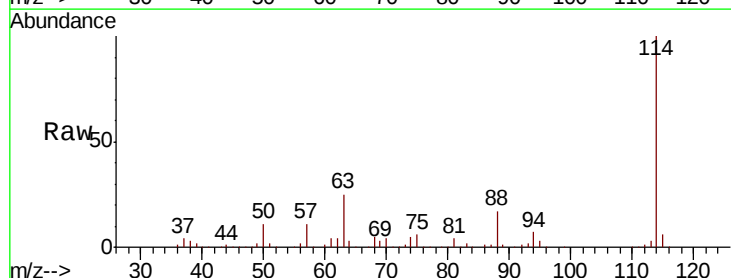
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

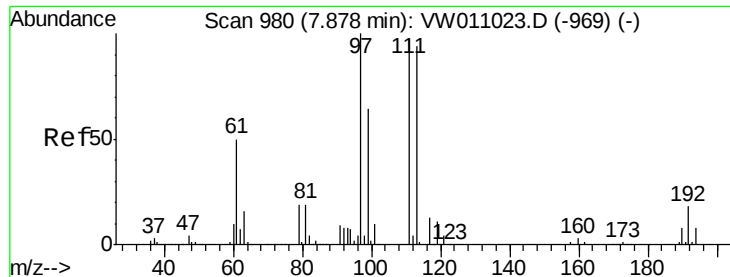
Tot Ion: 65 Resp: 13572
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011020.D
 Acq: 27 Jun 2019 15:01

Tgt Ion: 114 Resp: 372779
 Ion Ratio Lower Upper
 114 100
 63 24.5 0.0 50.6
 88 16.6 0.0 34.0

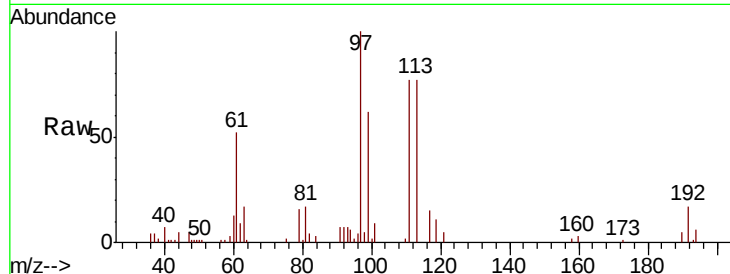




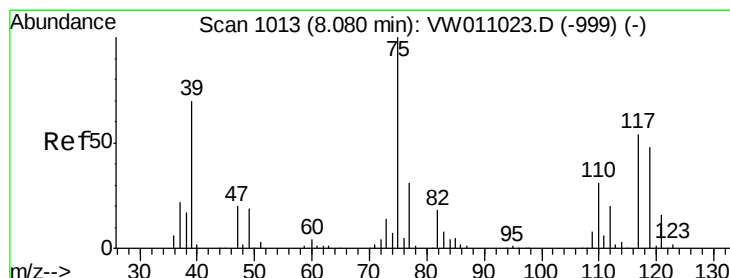
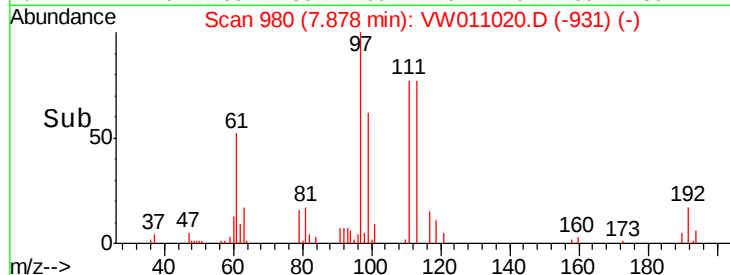
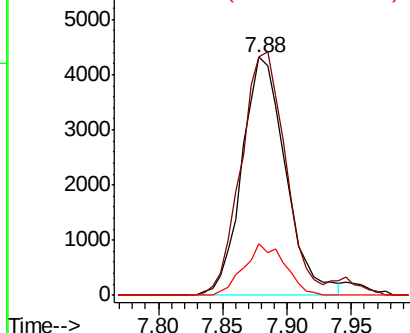
#35
 Dibromofluoromethane
 Concen: 4.827 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. 0.00 min
 Lab File: VW011020.D
 Acq: 27 Jun 2019 15:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.3	83.8	125.6
192	20.4	16.0	24.0

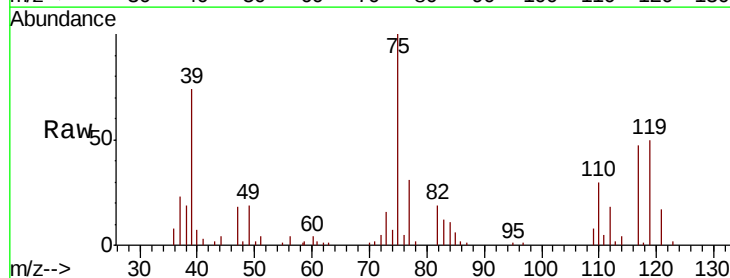


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

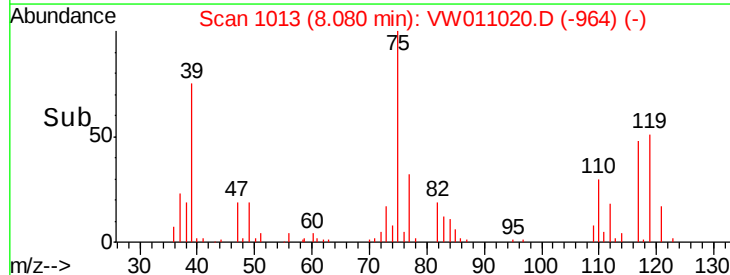
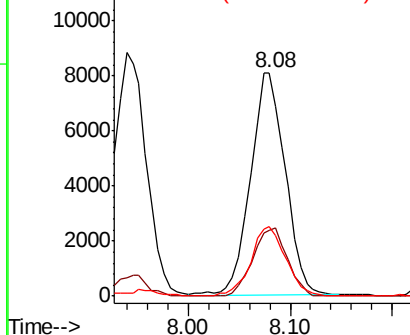


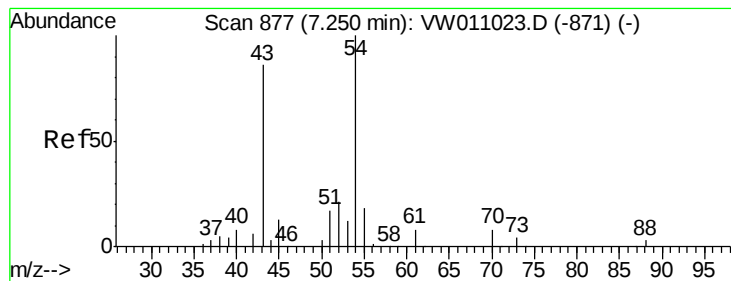
#36
 1,1-Dichloropropene
 Concen: 4.973 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW011020.D
 Acq: 27 Jun 2019 15:01

Tgt Ion	Ratio	Lower	Upper
75	100		
110	30.4	15.5	46.5
77	31.4	24.9	37.3



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





#37

Ethyl Acetate

Concen: 4.942 ug/l

RT: 7.25 min Scan# 877

Delta R.T. 0.00 min

Lab File: VW011020.D

Acq: 27 Jun 2019 15:01

Instrument :

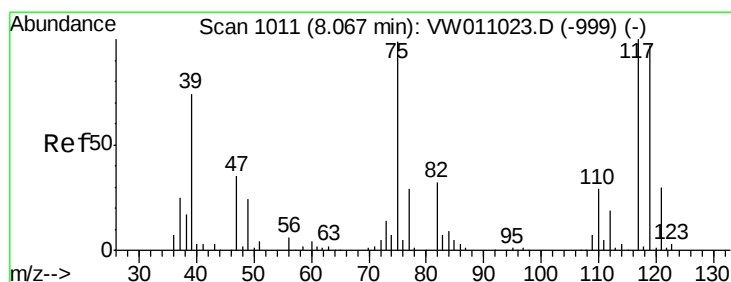
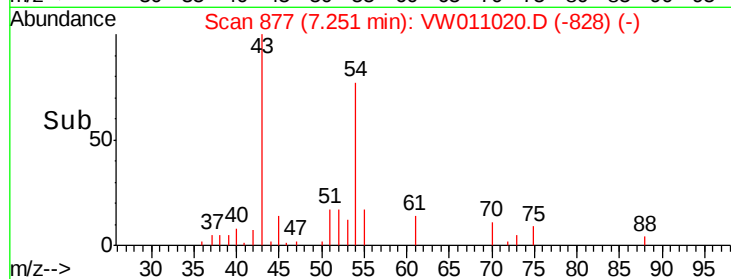
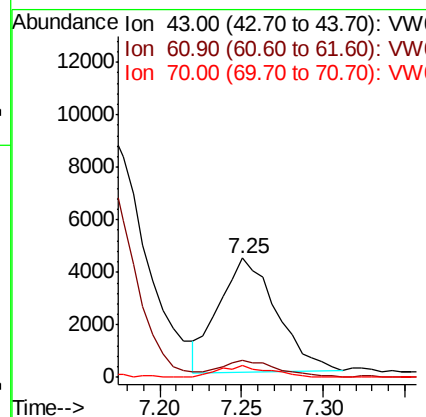
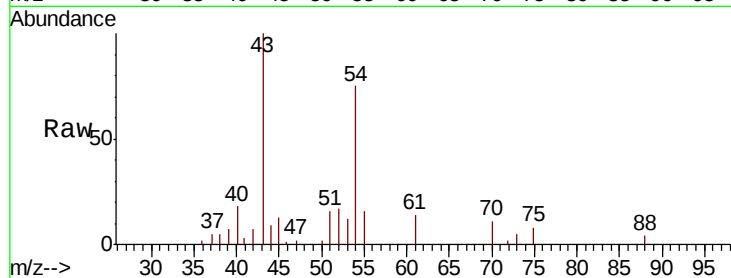
MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 10710

Ion	Ratio	Lower	Upper
43	100		
61	15.4	9.0	13.4#
70	9.1	7.2	10.8



#38

Carbon Tetrachloride

Concen: 4.653 ug/l

RT: 8.07 min Scan# 1011

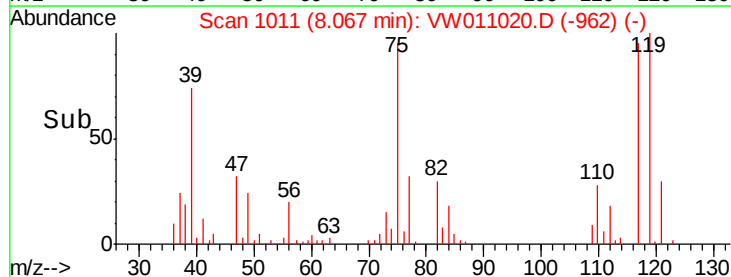
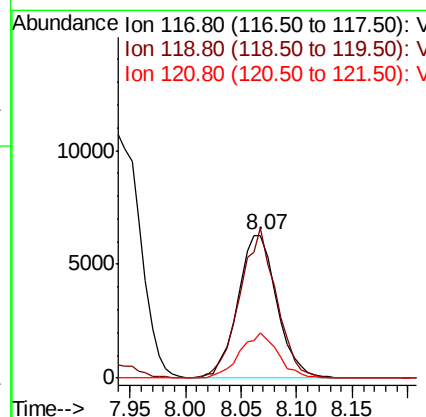
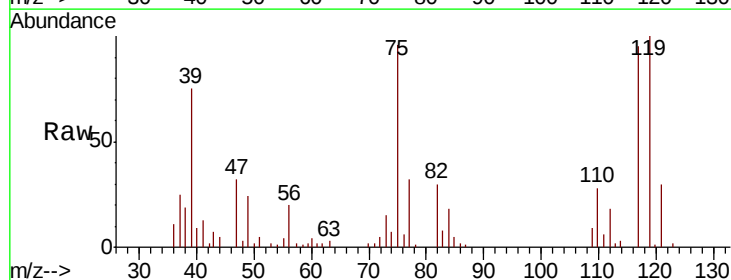
Delta R.T. 0.00 min

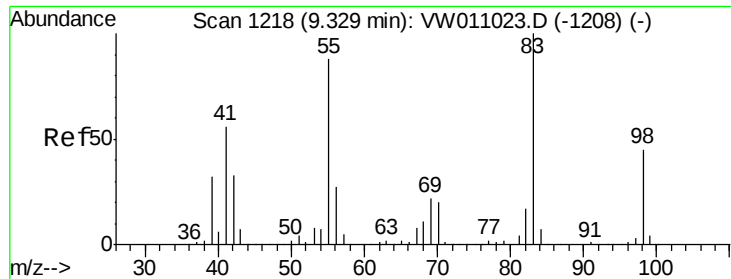
Lab File: VW011020.D

Acq: 27 Jun 2019 15:01

Tgt Ion: 117 Resp: 15337

Ion	Ratio	Lower	Upper
117	100		
119	104.9	77.7	116.5
121	31.5	23.9	35.9

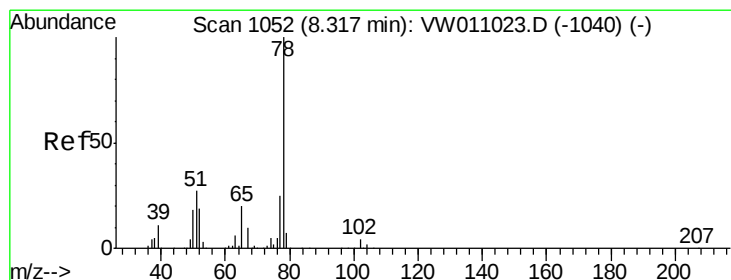
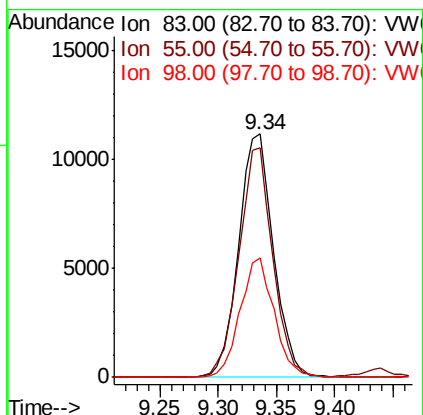
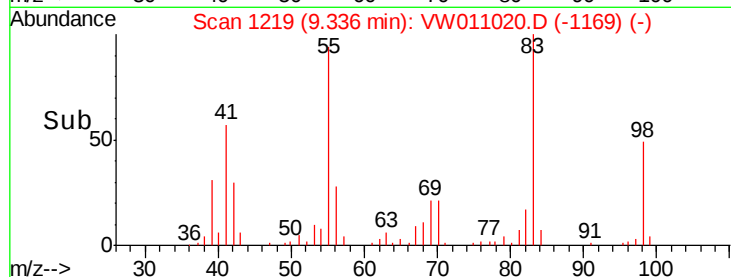
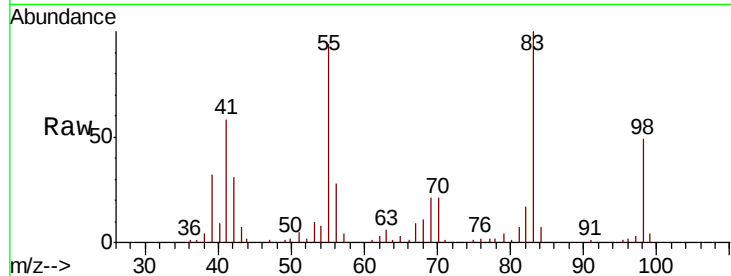




#39
Methvlcvclohexane
Concen: 4.790 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.01 min
Lab File: VW011020.D
Acq: 27 Jun 2019 15:01

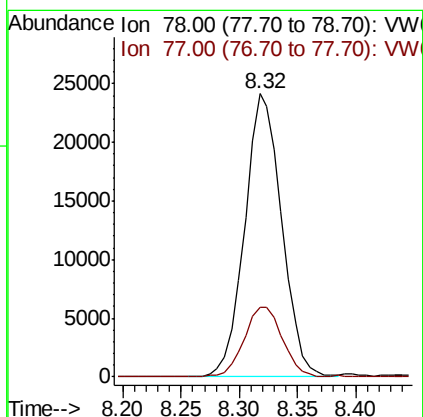
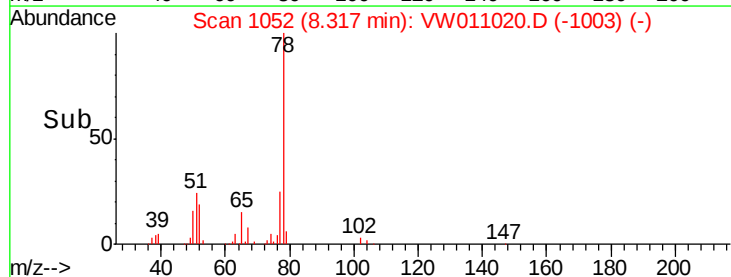
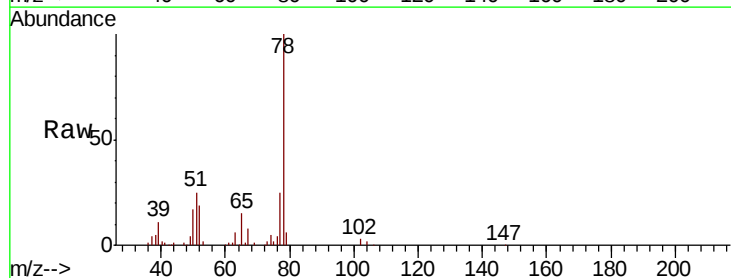
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

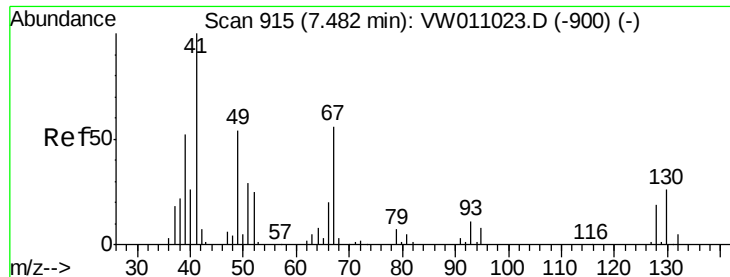
Tot Ion: 83 Resp: 23290
Ion Ratio Lower Upper
83 100
55 94.3 70.7 106.1
98 49.1 36.4 54.6



#40
Benzene
Concen: 5.063 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VW011020.D
Acq: 27 Jun 2019 15:01

Tgt Ion: 78 Resp: 53359
Ion Ratio Lower Upper
78 100
77 24.6 19.7 29.5





#41

Methacrylonitrile

Concen: 5.549 ug/l

RT: 7.49 min Scan# 916

Delta R.T. 0.01 min

Lab File: VW011020.D

Acq: 27 Jun 2019 15:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 41 Resp: 7182

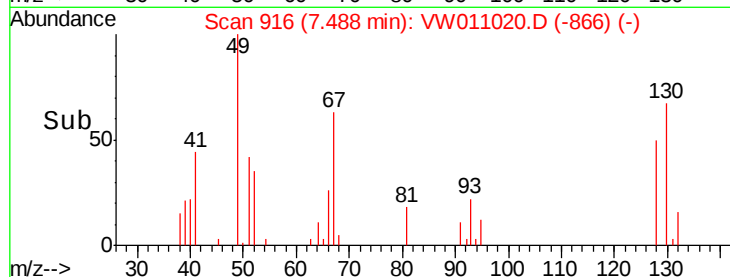
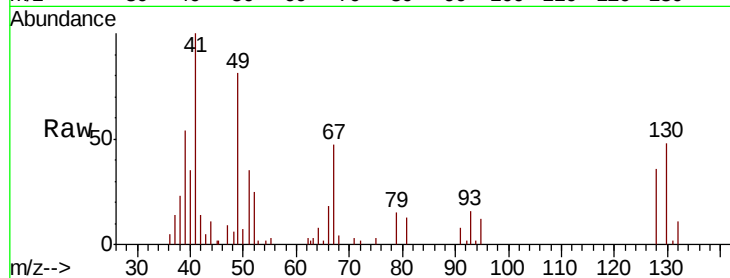
Ion Ratio Lower Upper

41 100

39 52.0 42.1 63.1

67 51.4 44.2 66.2

52 25.5 21.0 31.6

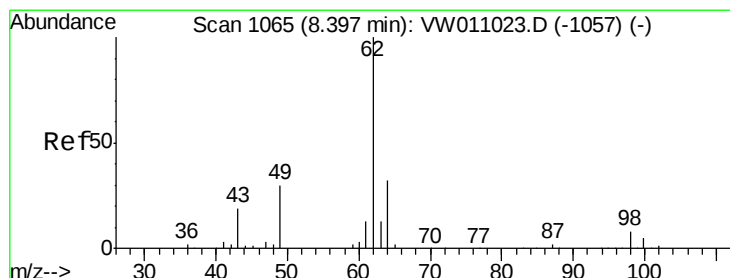
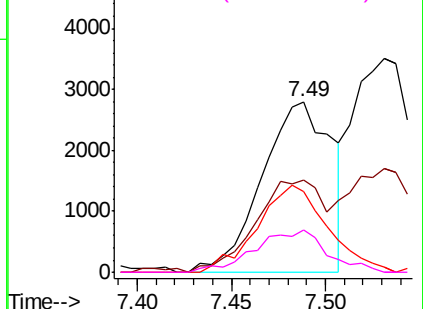


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 5.305 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW011020.D

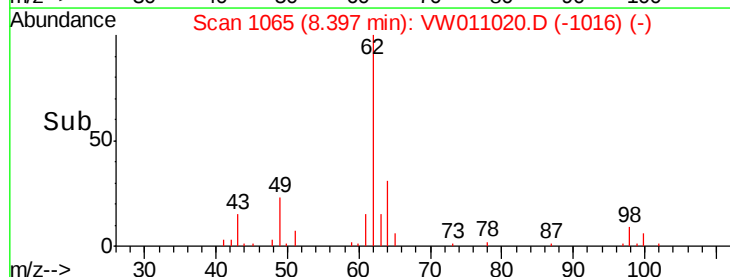
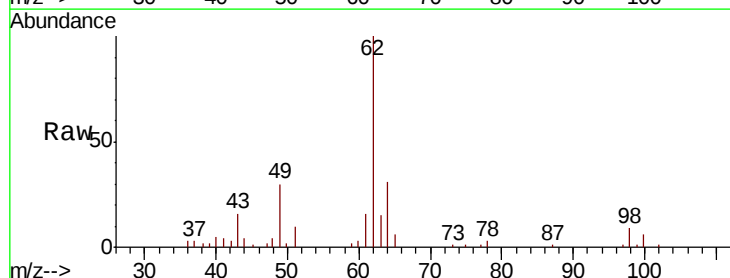
Acq: 27 Jun 2019 15:01

Tgt Ion: 62 Resp: 17810

Ion Ratio Lower Upper

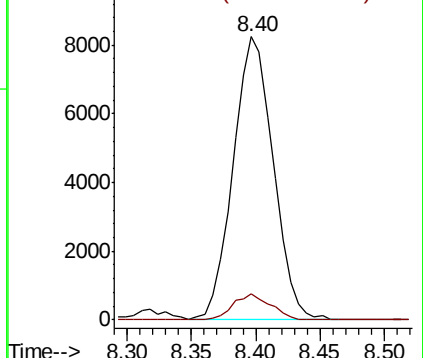
62 100

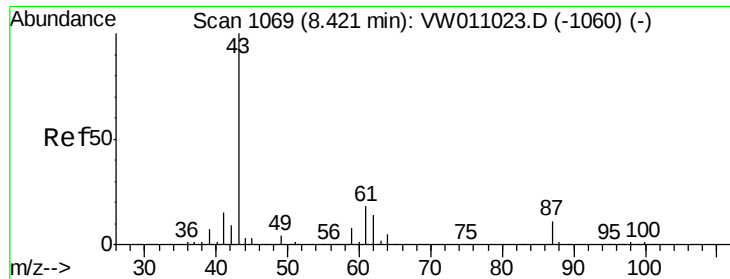
98 8.5 0.0 16.8



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 4.912 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VW011020.D

Acq: 27 Jun 2019 15:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

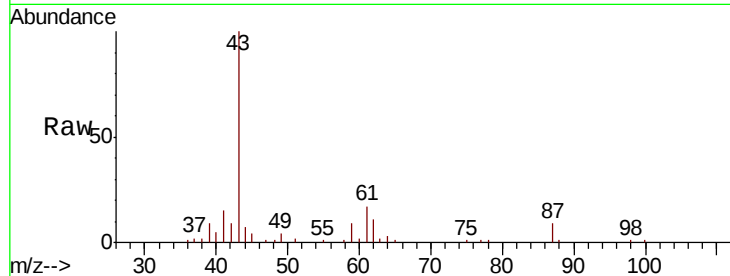
Tot Ion: 43 Resp: 20423

Ion Ratio Lower Upper

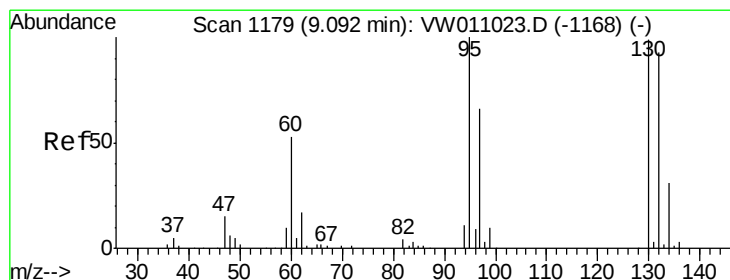
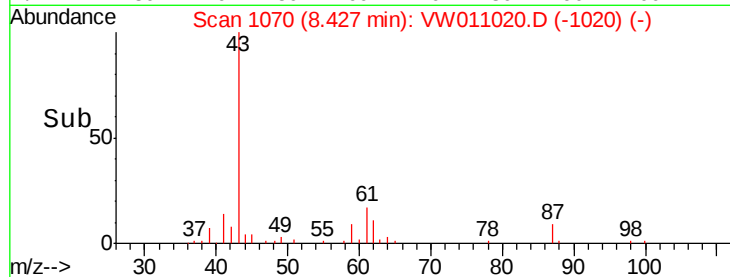
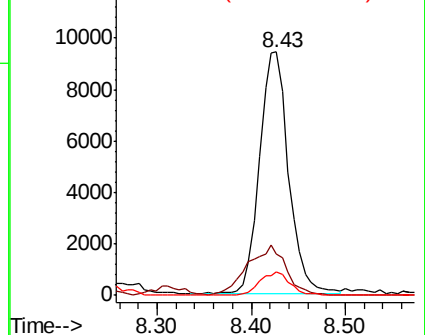
43 100

61 27.3 21.0 31.6

87 9.7 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: 5.027 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW011020.D

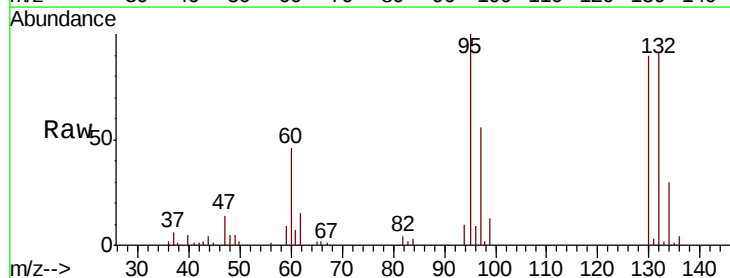
Acq: 27 Jun 2019 15:01

Tgt Ion: 130 Resp: 13019

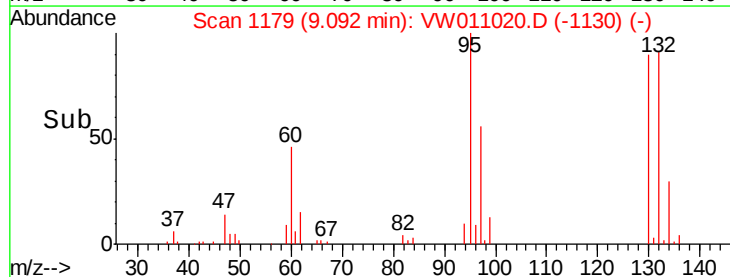
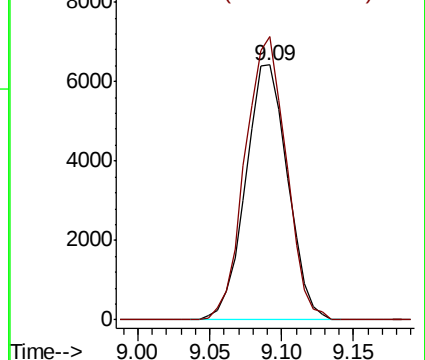
Ion Ratio Lower Upper

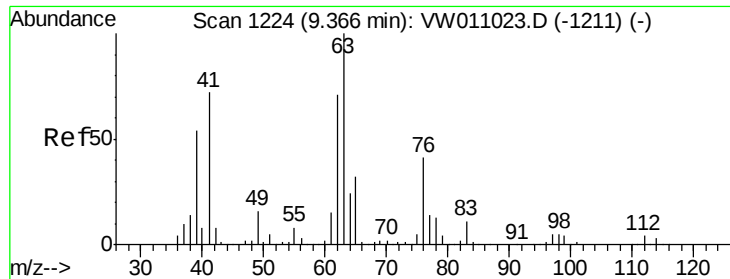
130 100

95 111.0 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: 5.193 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW011020.D

Acq: 27 Jun 2019 15:01

Instrument :

MSVOA_W

ClientSampleId :

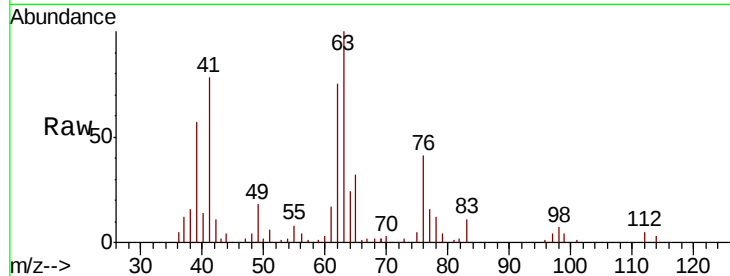
VSTDIC005

Tot Ion: 63 Resp: 14520

Ion Ratio Lower Upper

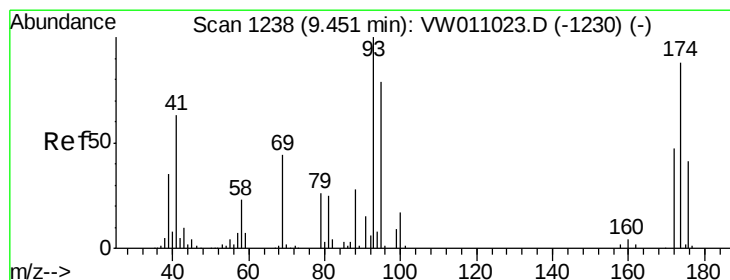
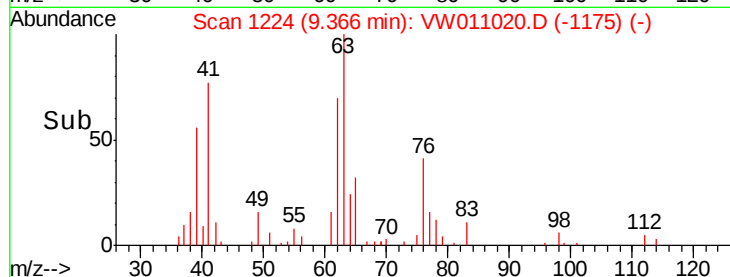
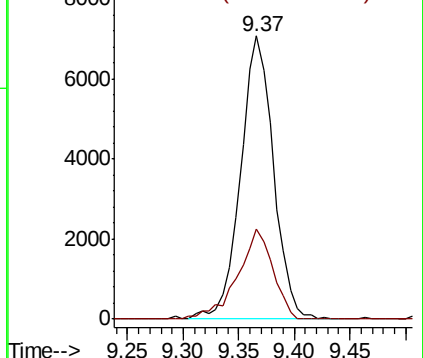
63 100

65 32.0 25.6 38.4



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 5.174 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.01 min

Lab File: VW011020.D

Acq: 27 Jun 2019 15:01

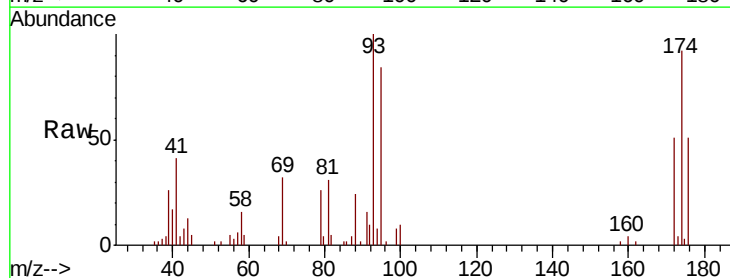
Tgt Ion: 93 Resp: 6735

Ion Ratio Lower Upper

93 100

95 81.9 65.8 98.6

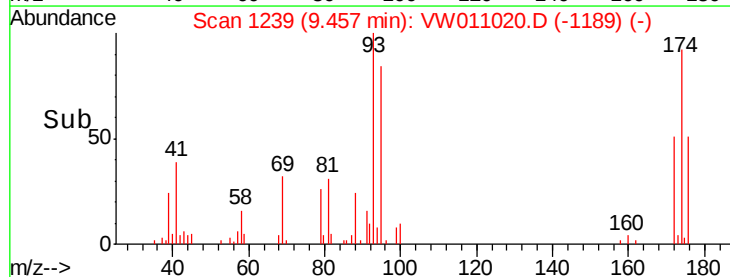
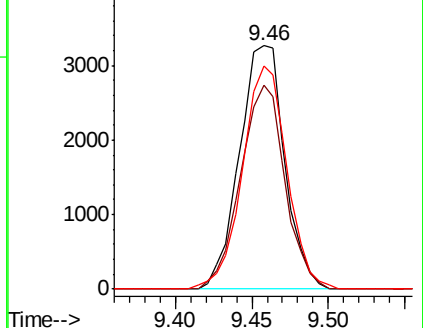
174 89.8 75.4 113.0

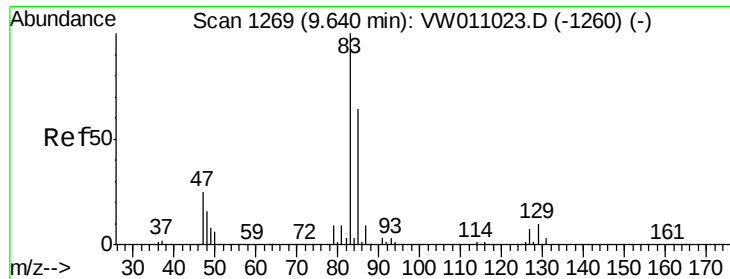


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V

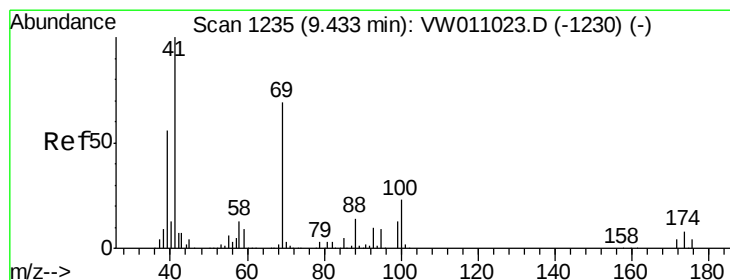
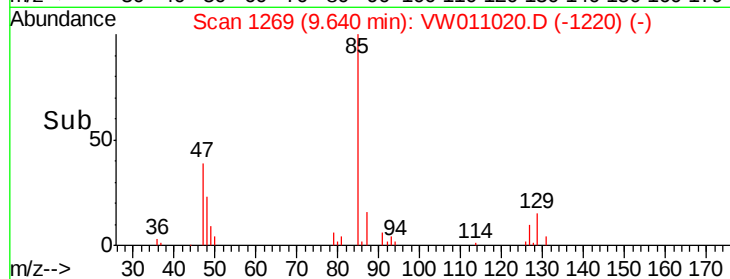
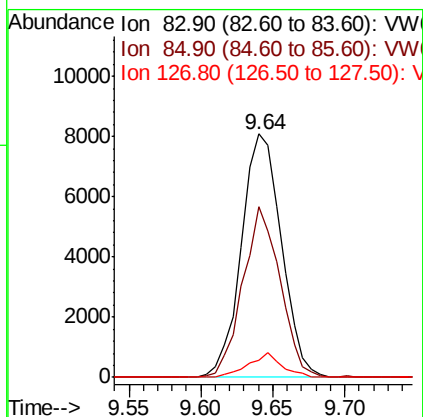
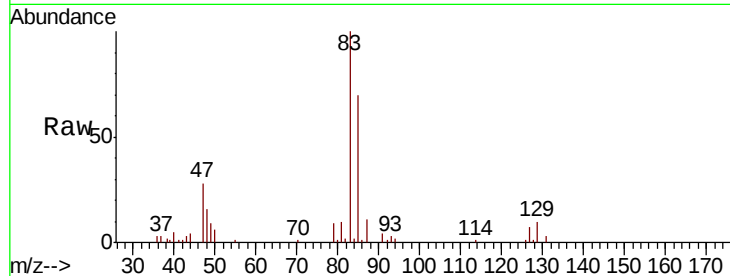




#47
Bromodichloromethane
Concen: 4.648 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VW011020.D
Acq: 27 Jun 2019 15:01

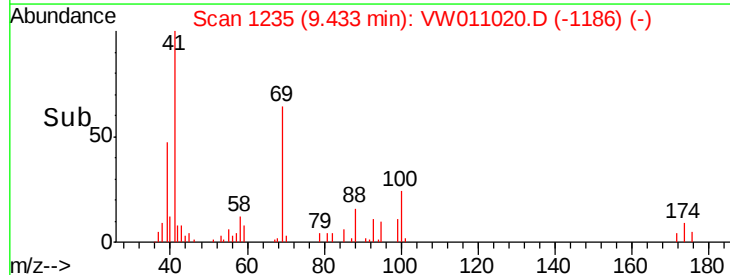
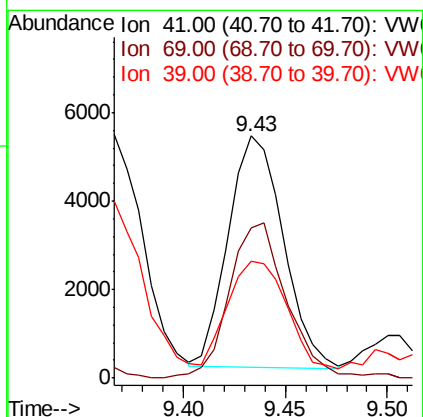
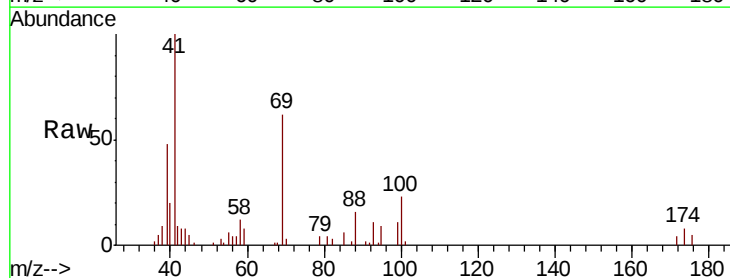
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

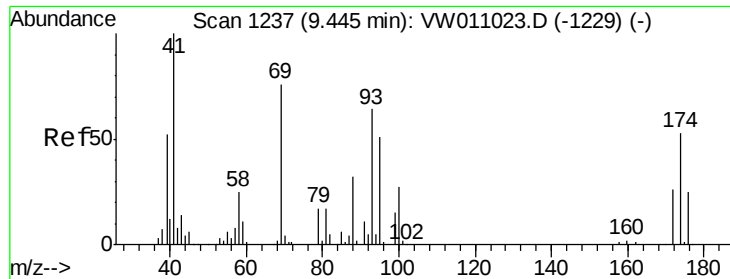
Tot Ion: 83 Resp: 15546
Ion Ratio Lower Upper
83 100
85 70.0 51.0 76.4
127 7.2 5.8 8.8



#48
Methyl methacrylate
Concen: 4.863 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW011020.D
Acq: 27 Jun 2019 15:01

Tgt Ion: 41 Resp: 9751
Ion Ratio Lower Upper
41 100
69 70.7 56.7 85.1
39 49.9 45.0 67.6





#49

1,4-Dioxane

Concen: 109.137 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. -0.01 min

Lab File: VW011020.D

Acq: 27 Jun 2019 15:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

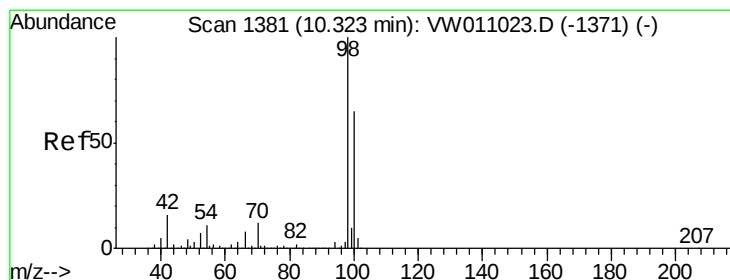
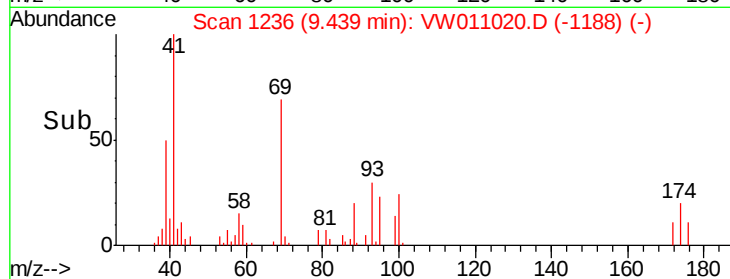
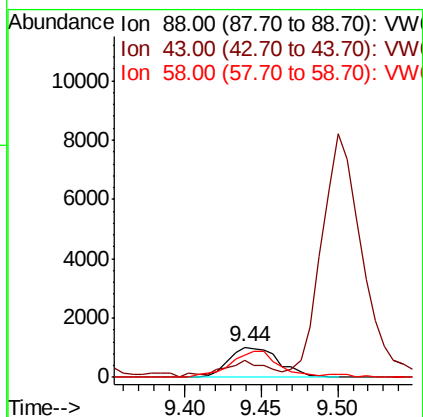
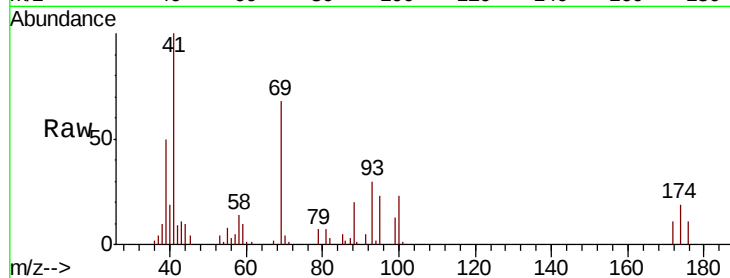
Tot Ion: 88 Resp: 2289

Ion Ratio Lower Upper

88 100

43 50.5 34.4 51.6

58 83.4 65.2 97.8



#50

Toluene-d8

Concen: 4.389 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW011020.D

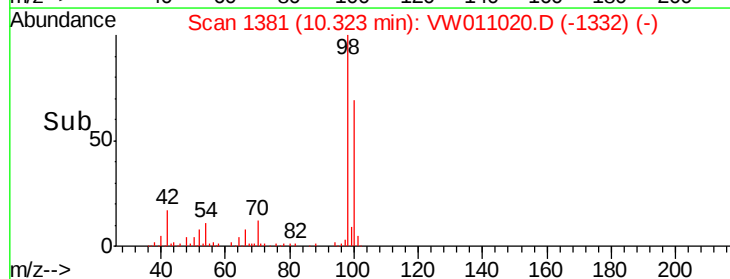
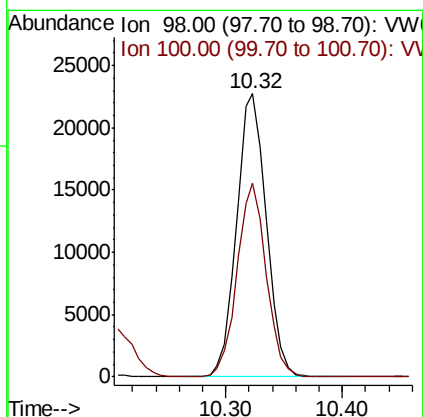
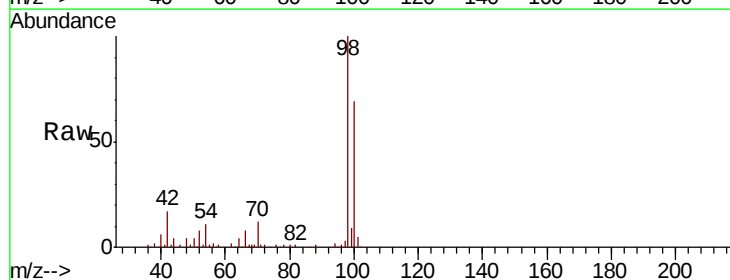
Acq: 27 Jun 2019 15:01

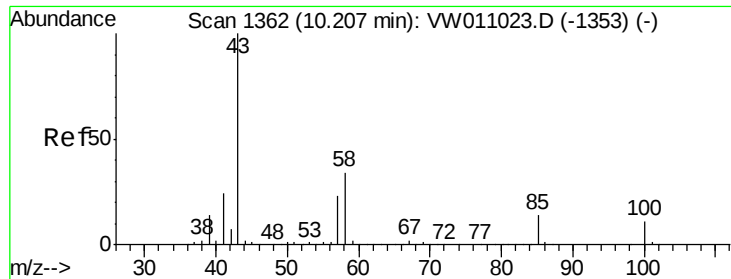
Tgt Ion: 98 Resp: 40503

Ion Ratio Lower Upper

98 100

100 66.7 52.3 78.5





#51

4-Methyl-2-Pentanone

Concen: 25.479 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW011020.D

Acq: 27 Jun 2019 15:01

Instrument :

MSVOA_W

ClientSampleId :

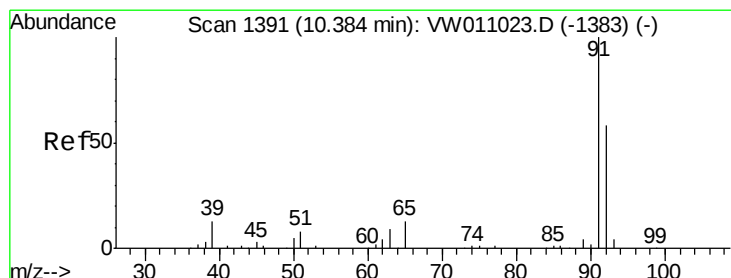
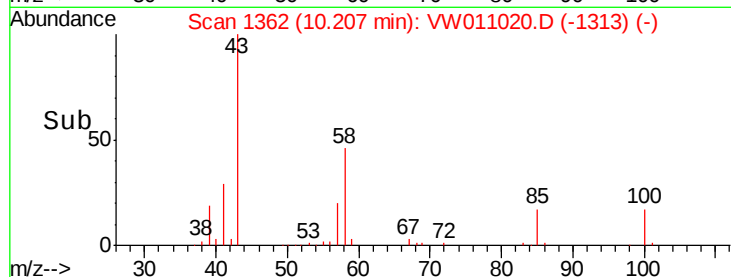
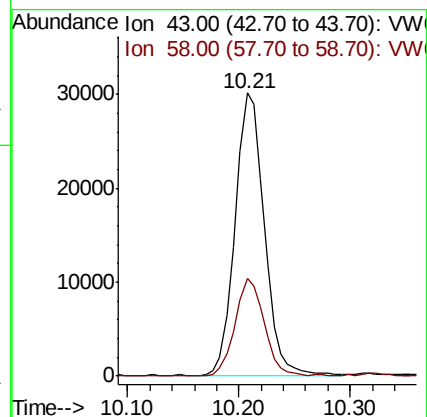
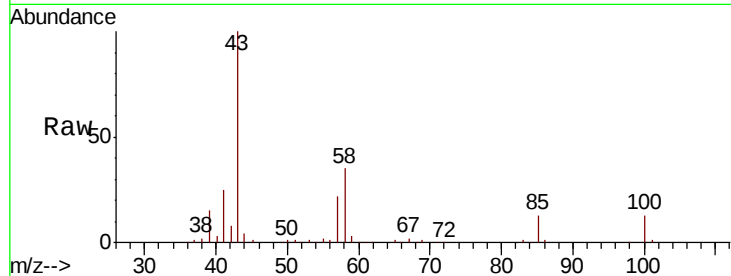
VSTDIC005

Tot Ion: 43 Resp: 54539

Ion Ratio Lower Upper

43 100

58 34.8 27.8 41.6



#52

Toluene

Concen: 4.902 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW011020.D

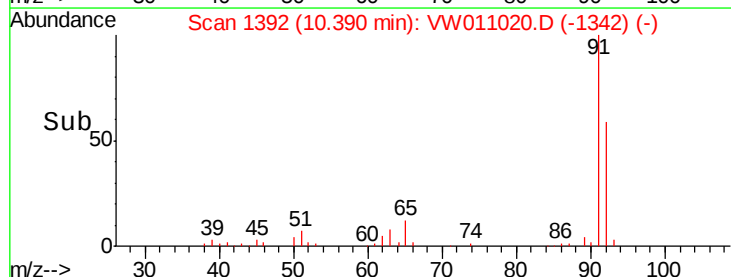
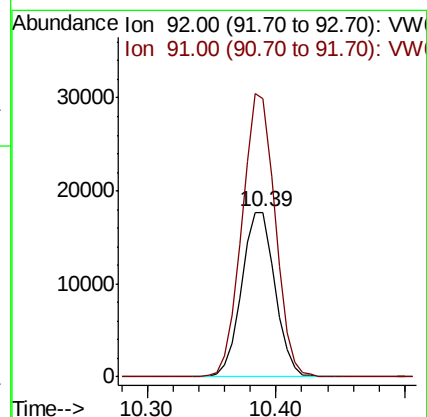
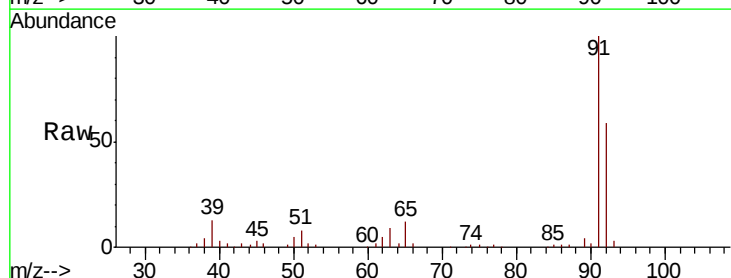
Acq: 27 Jun 2019 15:01

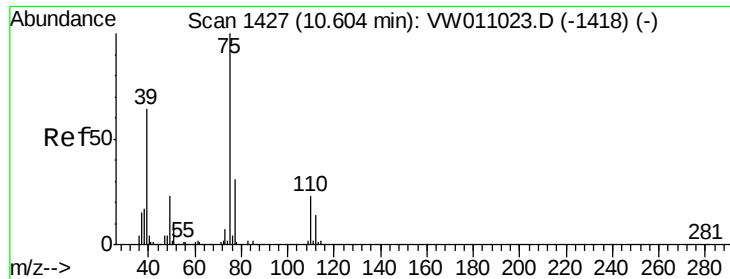
Tgt Ion: 92 Resp: 31743

Ion Ratio Lower Upper

92 100

91 170.7 136.9 205.3





#53

t-1,3-Dichloropropene

Concen: 4.306 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW011020.D

Acq: 27 Jun 2019 15:01

Instrument :

MSVOA_W

ClientSampleId :

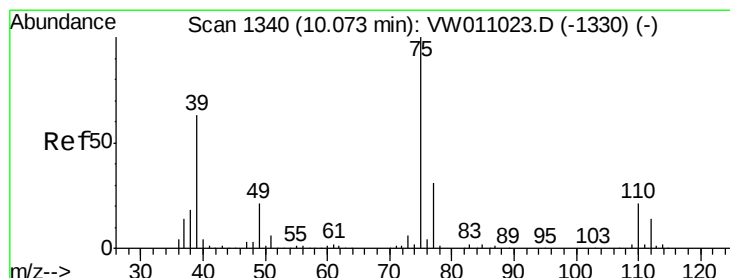
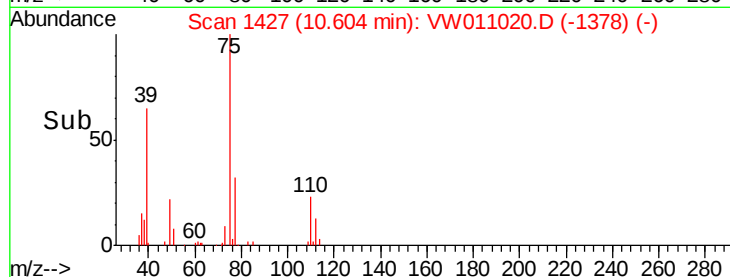
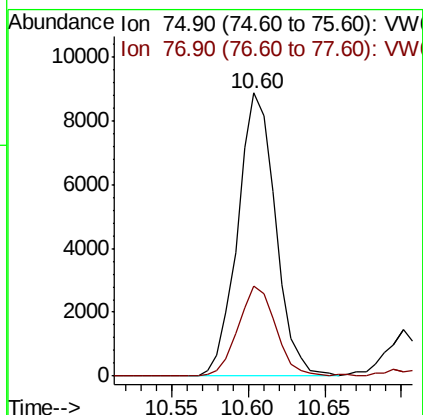
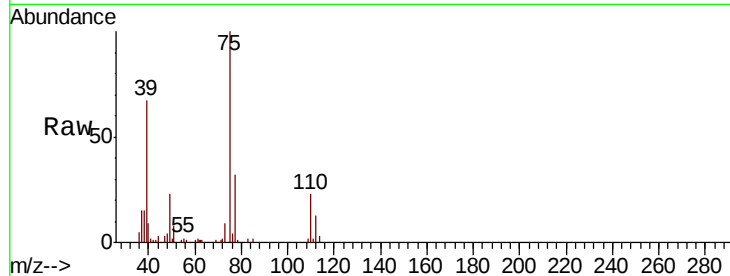
VSTDIC005

Tot Ion: 75 Resp: 15242

Ion Ratio Lower Upper

75 100

77 31.9 24.6 37.0



#54

cis-1,3-Dichloropropene

Concen: 4.436 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW011020.D

Acq: 27 Jun 2019 15:01

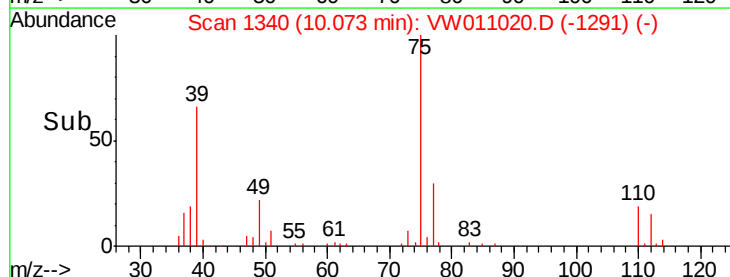
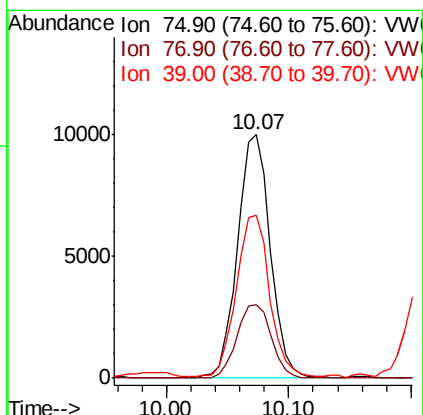
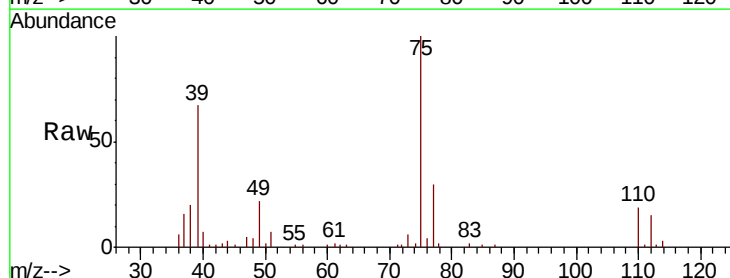
Tgt Ion: 75 Resp: 18527

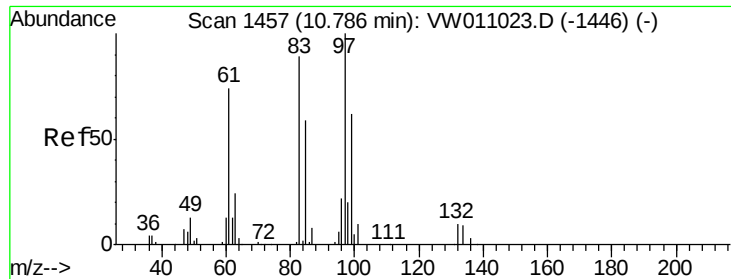
Ion Ratio Lower Upper

75 100

77 30.2 24.8 37.2

39 66.2 50.0 75.0





#55

1,1,2-Trichloroethane

Concen: 5.019 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW011020.D

Acq: 27 Jun 2019 15:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 97 Resp: 9399

Ion	Ratio	Lower	Upper
97	100		
83	81.8	70.9	106.3
85	53.3	47.2	70.8
99	55.1	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

10.79

6000

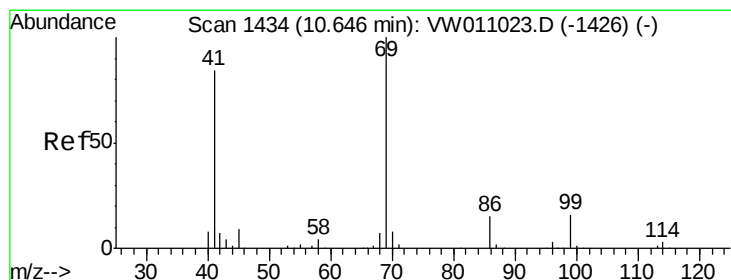
4000

2000

0

Time-->

10.70 10.75 10.80 10.85



#56

Ethyl methacrylate

Concen: 4.478 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW011020.D

Acq: 27 Jun 2019 15:01

Tgt Ion: 69 Resp: 12845

Ion	Ratio	Lower	Upper
69	100		
41	80.7	67.9	101.9
39	40.6	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

10.65

10000

8000

6000

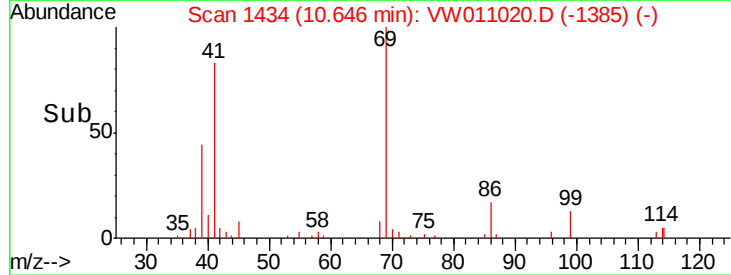
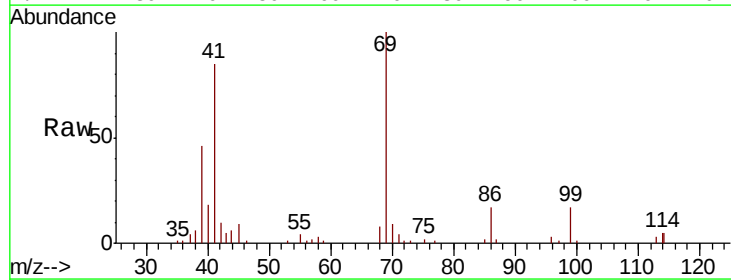
4000

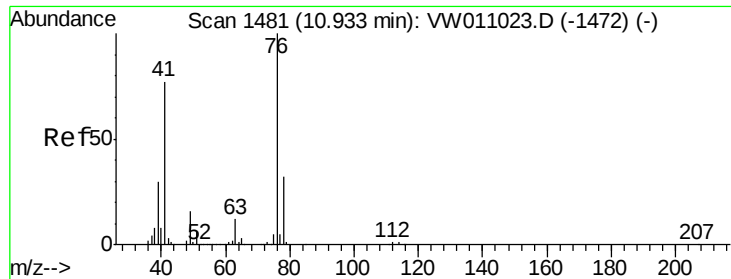
2000

0

Time-->

10.60 10.65 10.70

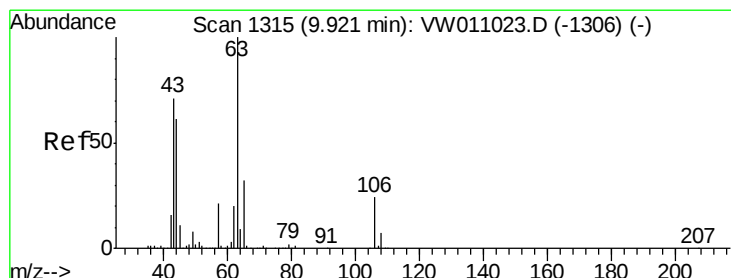
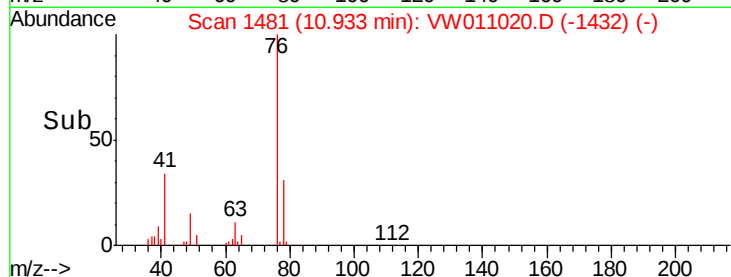
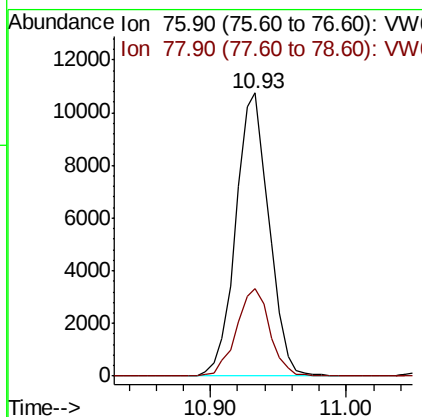
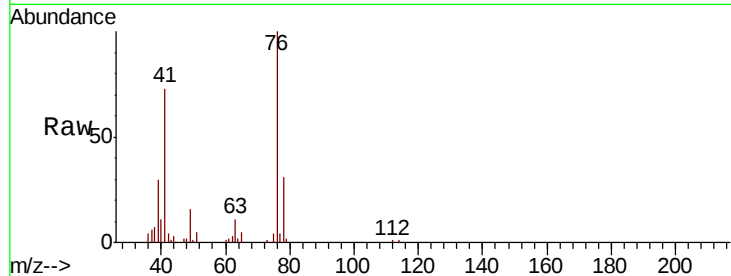




#57
 1,3-Dichloropropane
 Concen: 5.178 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW011020.D
 Acq: 27 Jun 2019 15:01

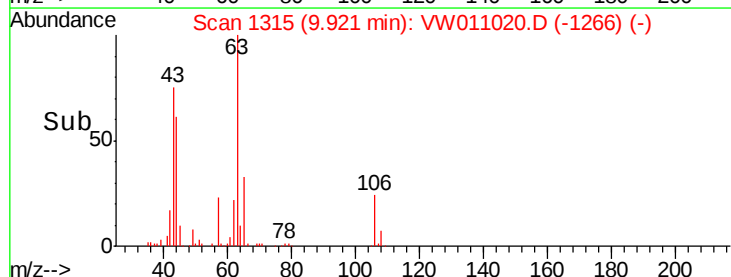
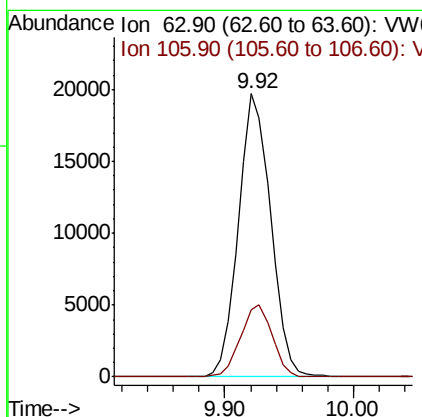
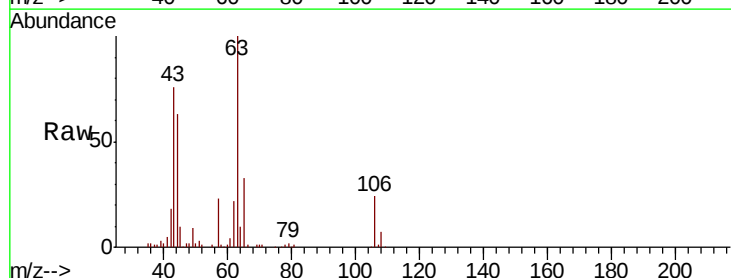
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

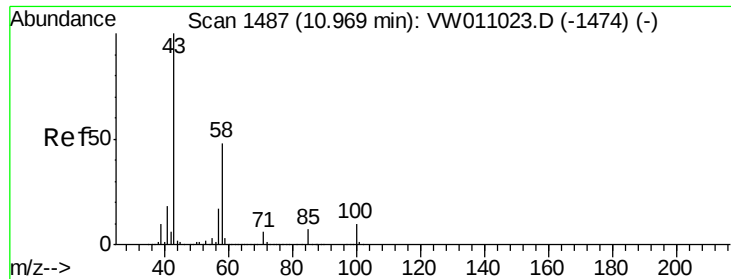
Tot Ion: 76 Resp: 18261
 Ion Ratio Lower Upper
 76 100
 78 31.2 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 22.908 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW011020.D
 Acq: 27 Jun 2019 15:01

Tgt Ion: 63 Resp: 34228
 Ion Ratio Lower Upper
 63 100
 106 25.0 19.4 29.0

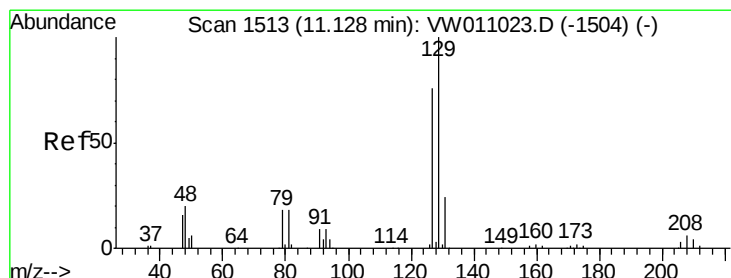
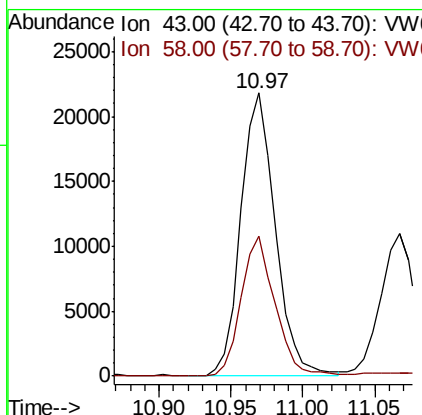
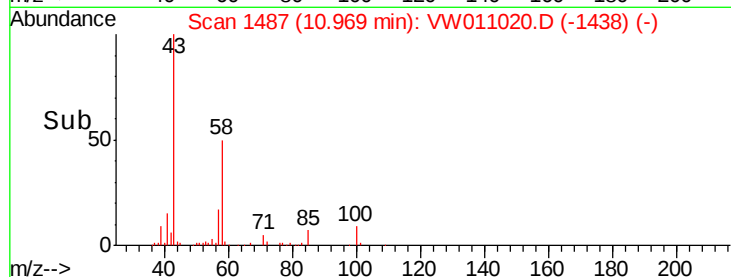
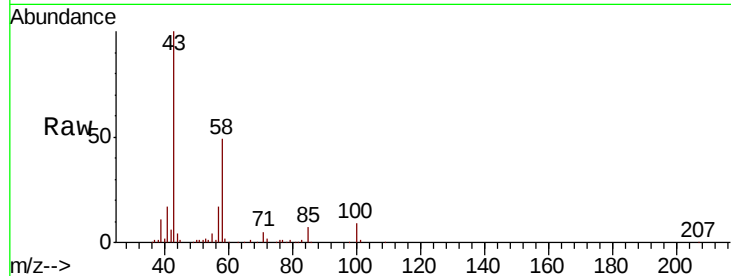




#59
2-Hexanone
Concen: 23.396 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW011020.D
Acq: 27 Jun 2019 15:01

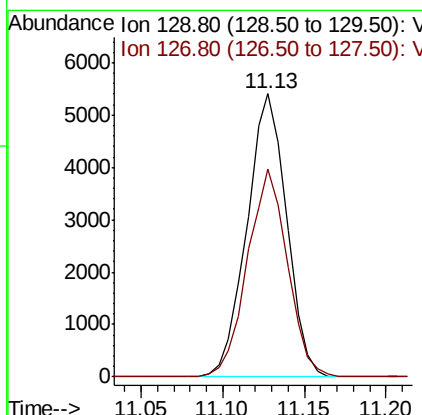
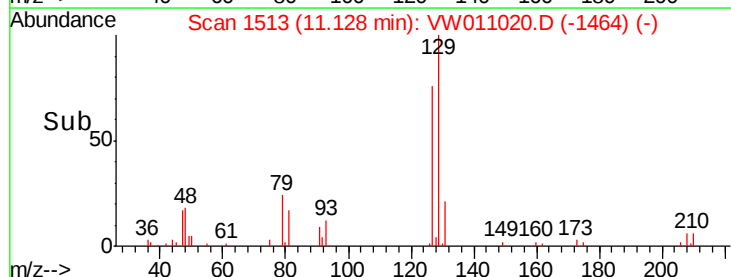
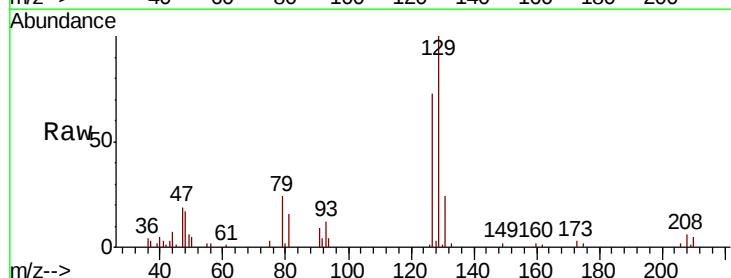
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

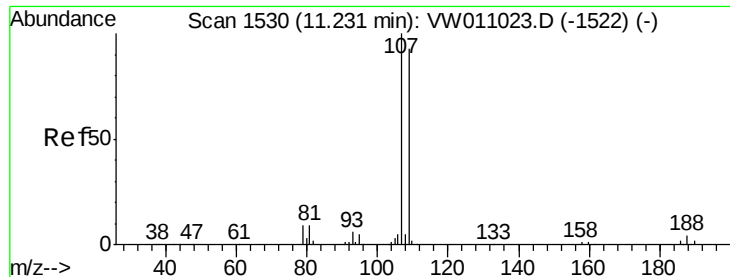
Tot Ion: 43 Resp: 36001
Ion Ratio Lower Upper
43 100
58 48.8 23.8 71.5



#60
Dibromochloromethane
Concen: 4.475 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW011020.D
Acq: 27 Jun 2019 15:01

Tgt Ion: 129 Resp: 9177
Ion Ratio Lower Upper
129 100
127 73.8 39.4 118.1





#61

1,2-Dibromoethane

Concen: 5.078 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VW011020.D

Acq: 27 Jun 2019 15:01

Instrument :

MSVOA_W

ClientSampleId :

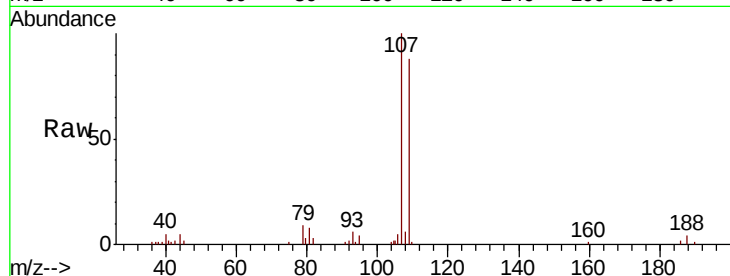
VSTDIC005

Tot Ion:107 Resp: 8977

Ion Ratio Lower Upper

107 100

109 90.4 75.1 112.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.23

6000

5000

4000

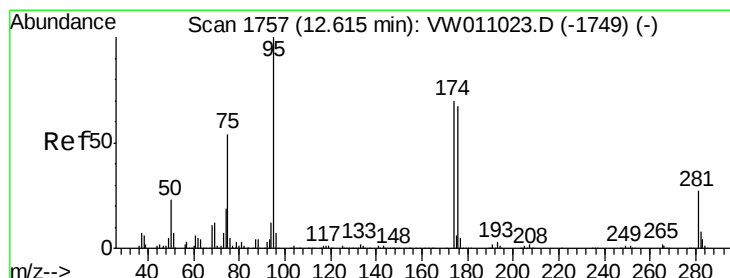
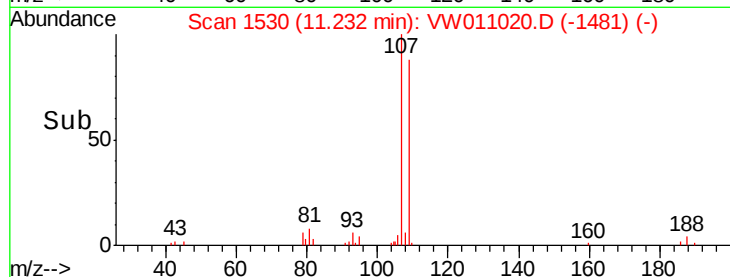
3000

2000

1000

0

Time--> 11.15 11.20 11.25 11.30



#62

4-Bromofluorobenzene

Concen: 4.540 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.01 min

Lab File: VW011020.D

Acq: 27 Jun 2019 15:01

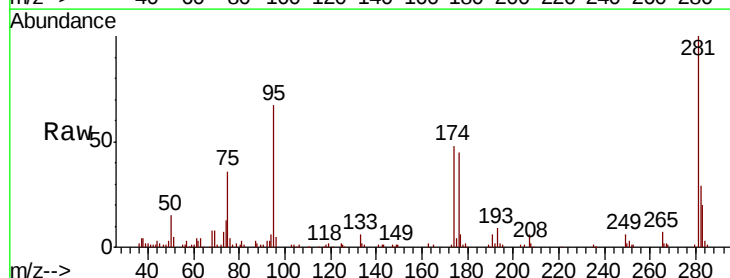
Tgt Ion: 95 Resp: 15246

Ion Ratio Lower Upper

95 100

174 76.1 0.0 149.2

176 72.6 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

12.62

12000

10000

8000

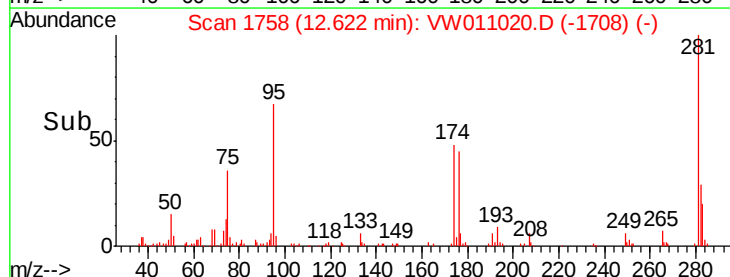
6000

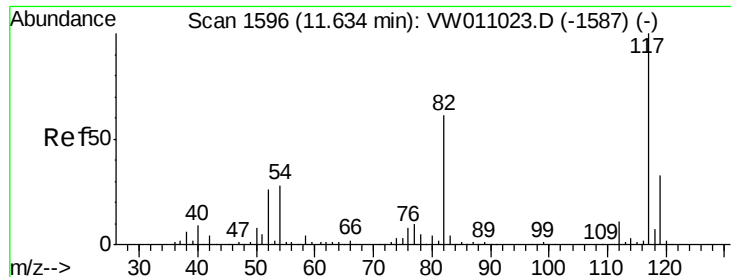
4000

2000

0

Time--> 12.55 12.60 12.65

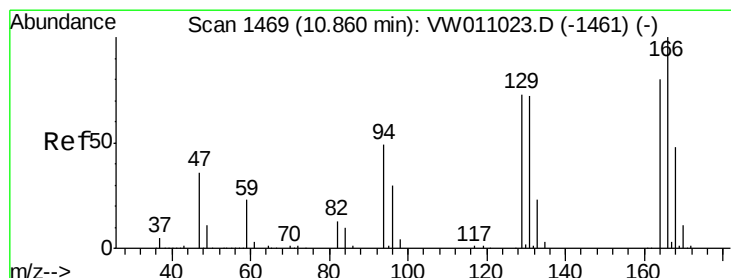
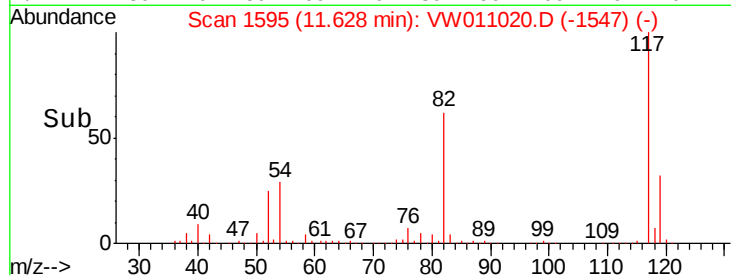
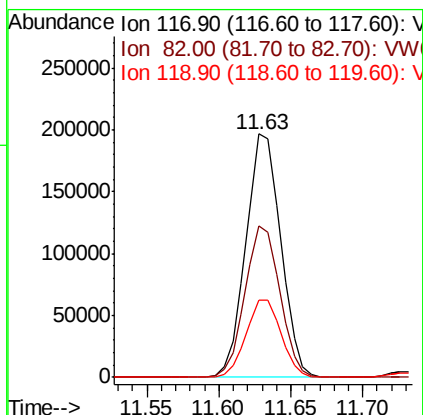
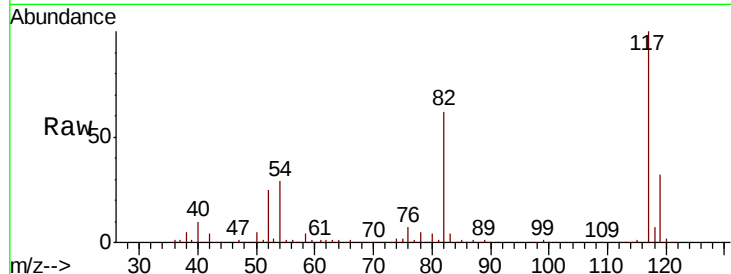




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW011020.D
Acq: 27 Jun 2019 15:01

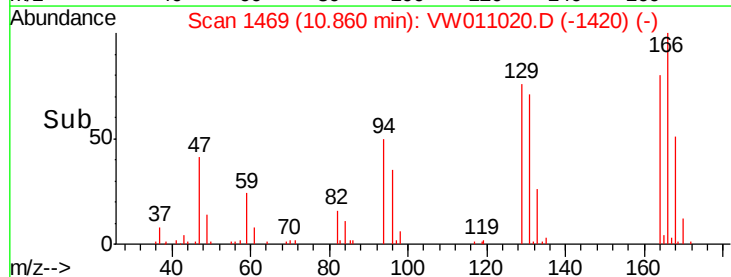
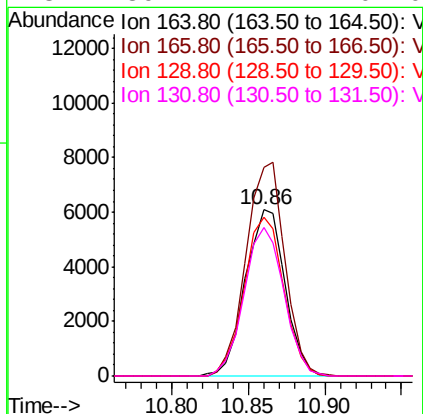
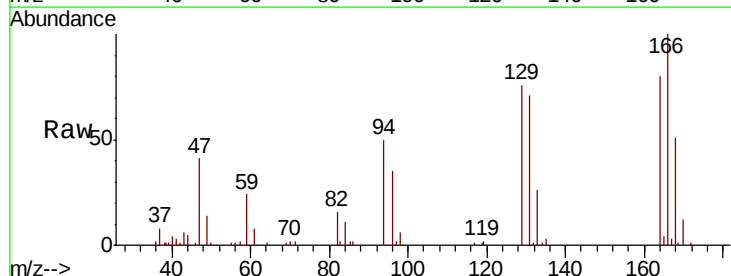
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

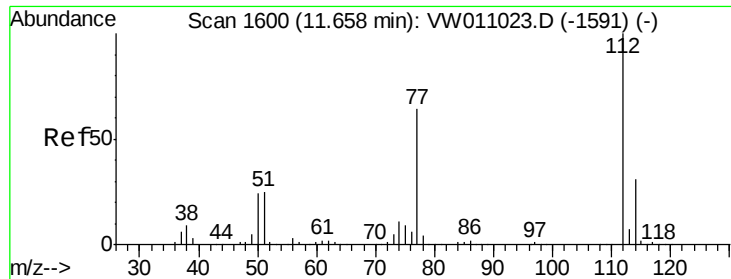
Tot Ion:117 Resp: 330135
Ion Ratio Lower Upper
117 100
82 62.1 48.6 73.0
119 31.5 26.1 39.1



#64
Tetrachloroethene
Concen: 4.966 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW011020.D
Acq: 27 Jun 2019 15:01

Tgt Ion:164 Resp: 10945
Ion Ratio Lower Upper
164 100
166 125.7 99.8 149.6
129 95.6 73.0 109.4
131 89.7 71.4 107.0

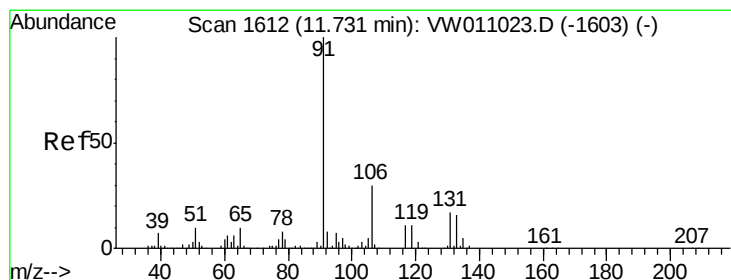
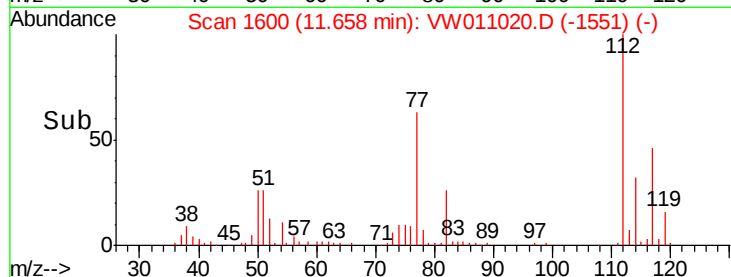
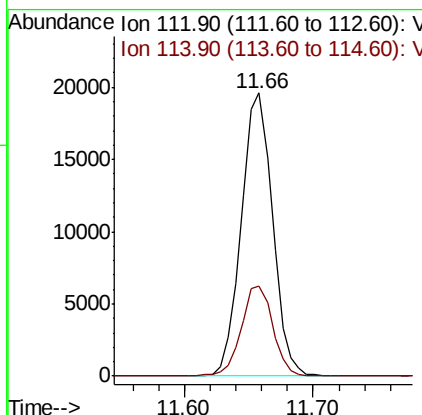
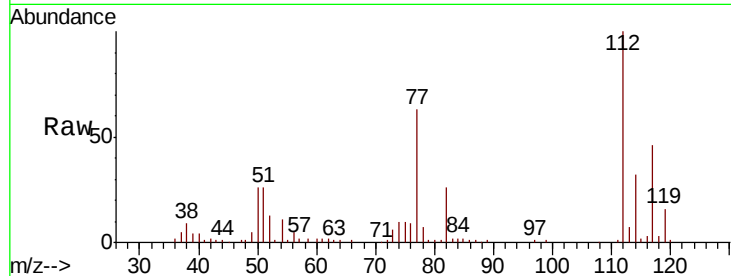




#65
Chlorobenzene
Concen: 5.025 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW011020.D
Acq: 27 Jun 2019 15:01

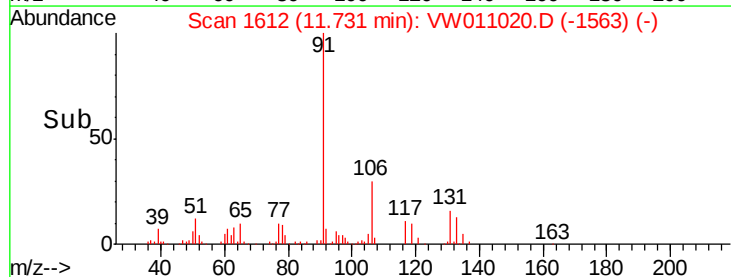
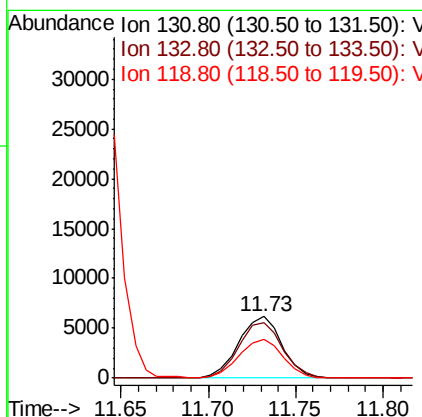
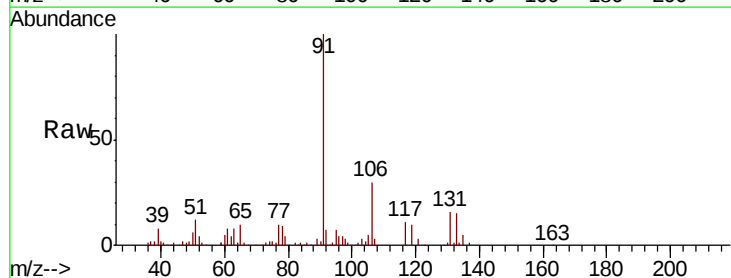
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

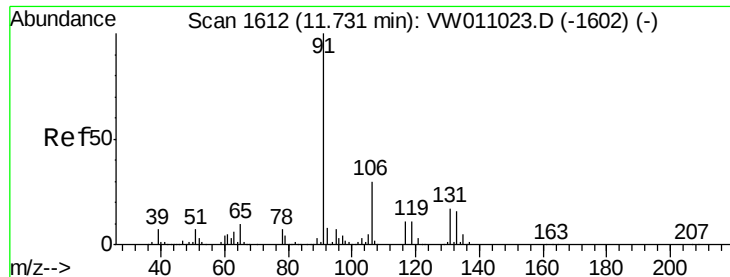
Tot Ion:112 Resp: 32870
Ion Ratio Lower Upper
112 100
114 31.8 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 4.741 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011020.D
Acq: 27 Jun 2019 15:01

Tgt Ion:131 Resp: 10672
Ion Ratio Lower Upper
131 100
133 91.9 47.7 143.1
119 64.3 33.1 99.2

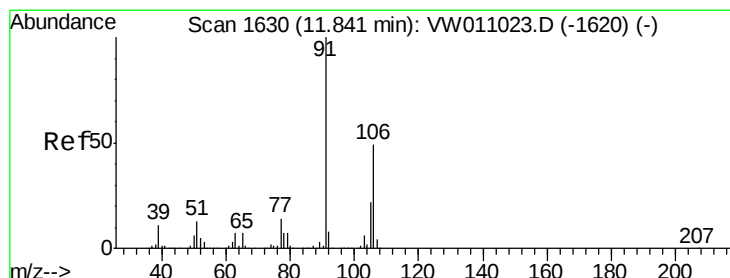
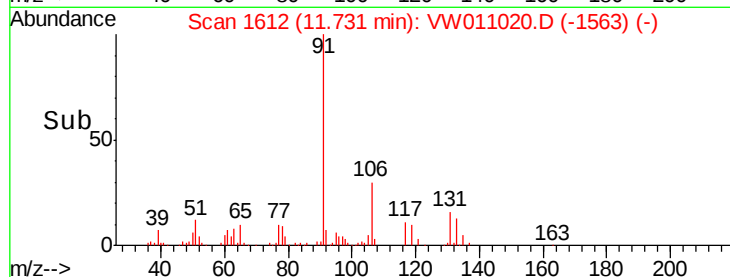
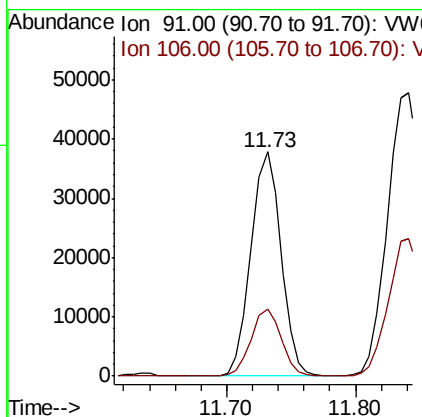
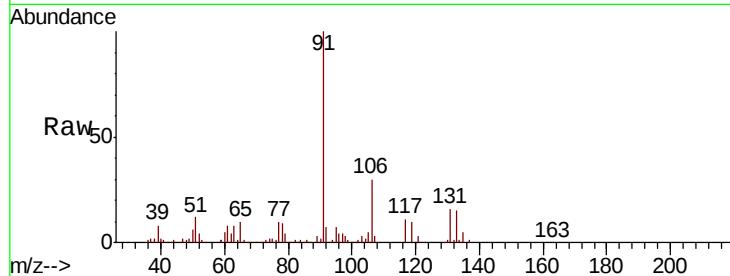




#67
Ethyl Benzene
Concen: 4.858 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011020.D
Acq: 27 Jun 2019 15:01

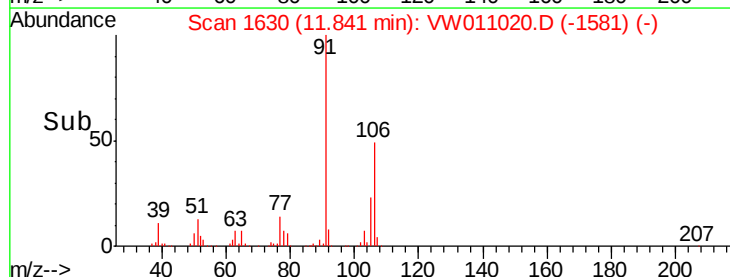
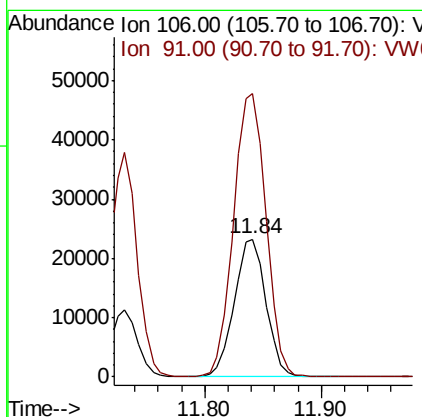
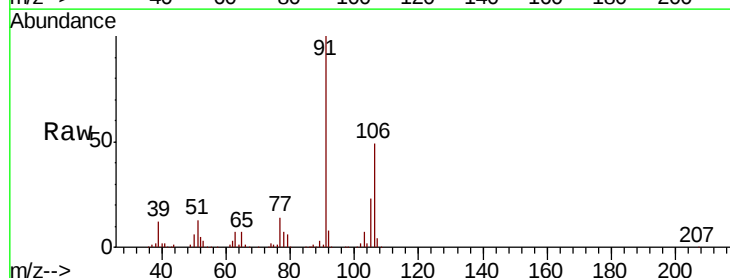
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

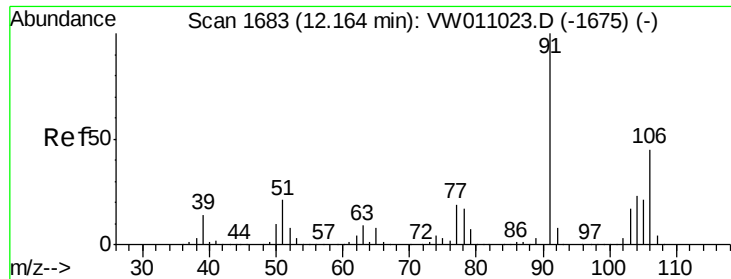
Tot Ion: 91 Resp: 61074
Ion Ratio Lower Upper
91 100
106 29.7 23.8 35.6



#68
m/p-Xylenes
Concen: 9.762 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW011020.D
Acq: 27 Jun 2019 15:01

Tgt Ion: 106 Resp: 44074
Ion Ratio Lower Upper
106 100
91 211.0 167.5 251.3

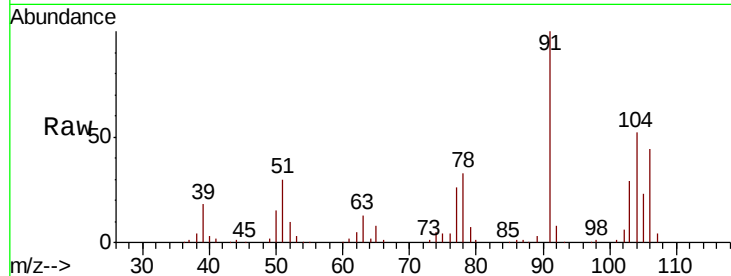




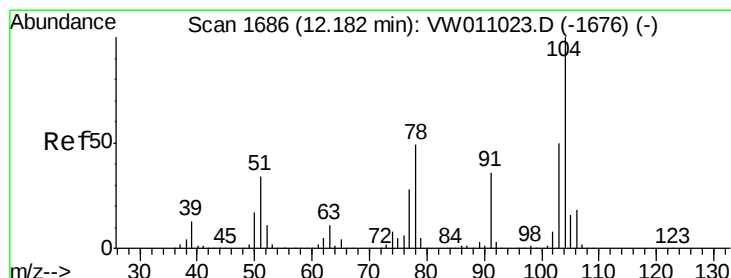
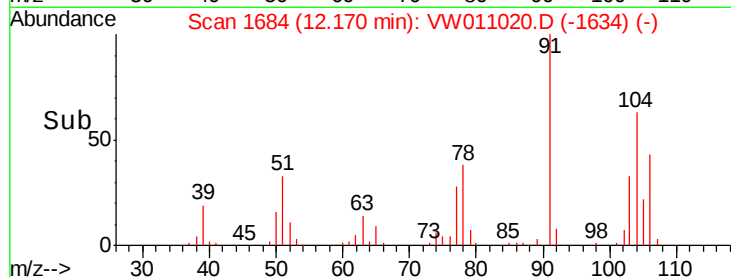
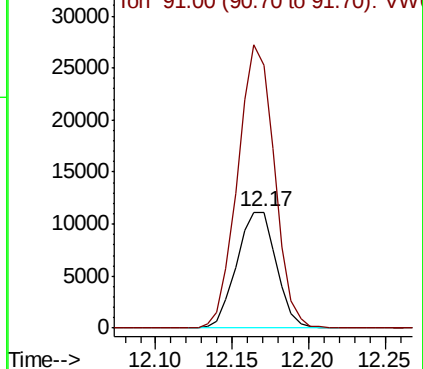
#69
o-Xylene
Concen: 4.664 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.01 min
Lab File: VW011020.D
Acq: 27 Jun 2019 15:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion:106 Resp: 19914
Ion Ratio Lower Upper
106 100
91 228.5 110.8 332.3

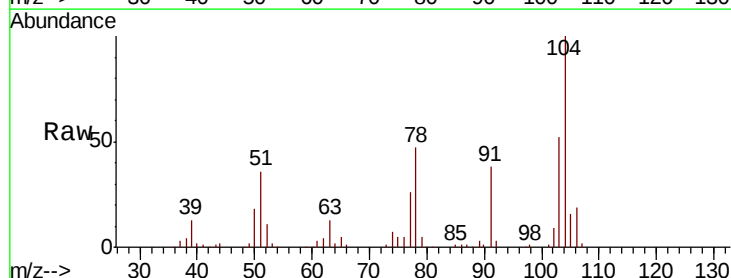


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW

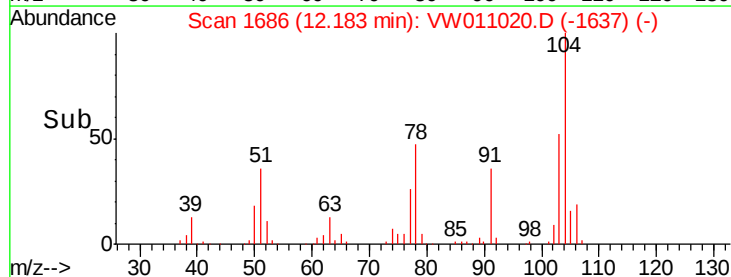
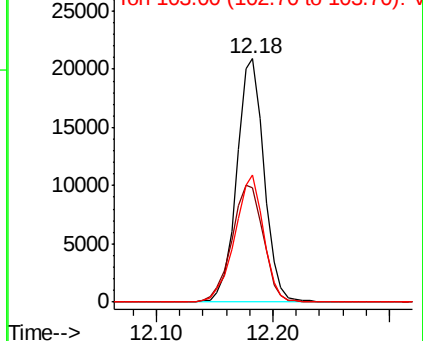


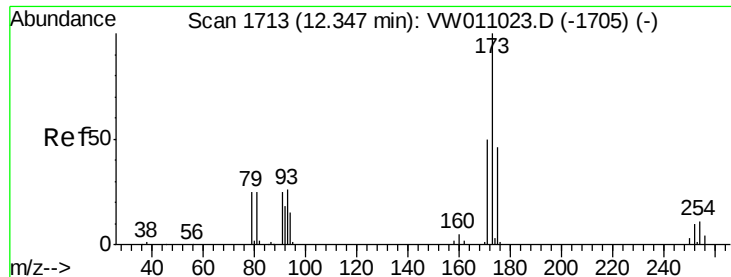
#70
Styrene
Concen: 4.611 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW011020.D
Acq: 27 Jun 2019 15:01

Tgt Ion:104 Resp: 34225
Ion Ratio Lower Upper
104 100
78 55.5 43.7 65.5
103 55.1 43.9 65.9



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VW
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 4.130 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW011020.D

Acq: 27 Jun 2019 15:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

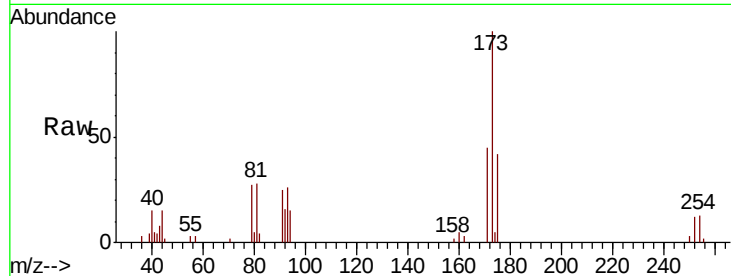
Tot Ion:173 Resp: 4791

Ion Ratio Lower Upper

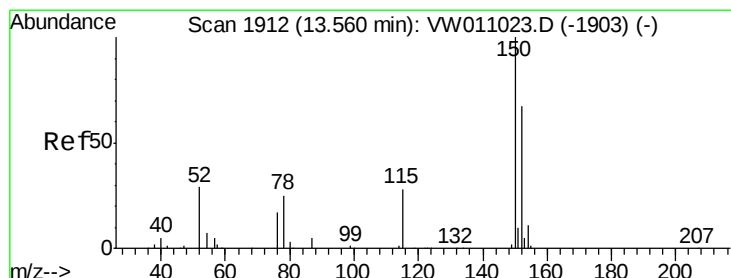
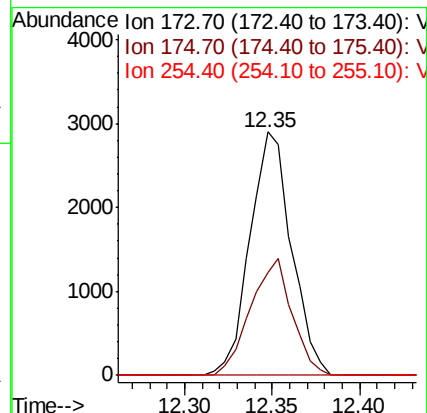
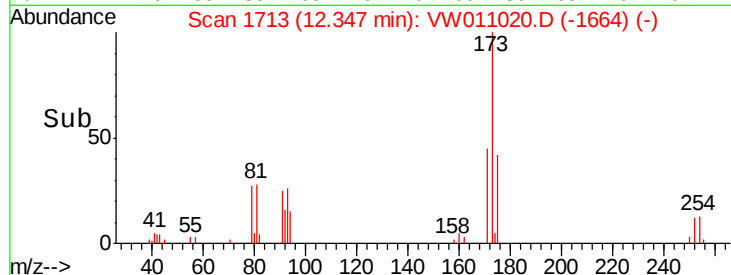
173 100

175 47.9 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: VW011020.D

Acq: 27 Jun 2019 15:01

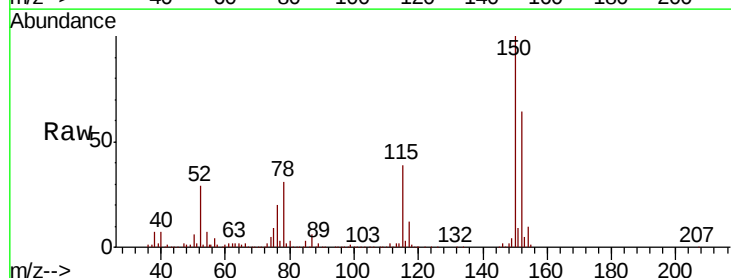
Tgt Ion:152 Resp: 162304

Ion Ratio Lower Upper

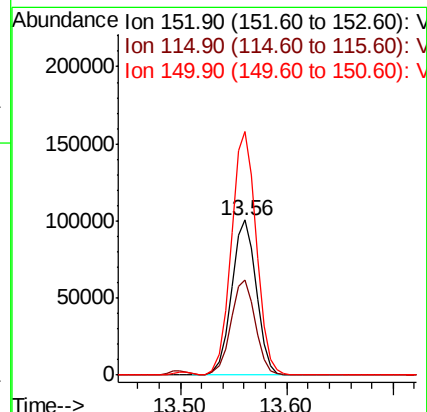
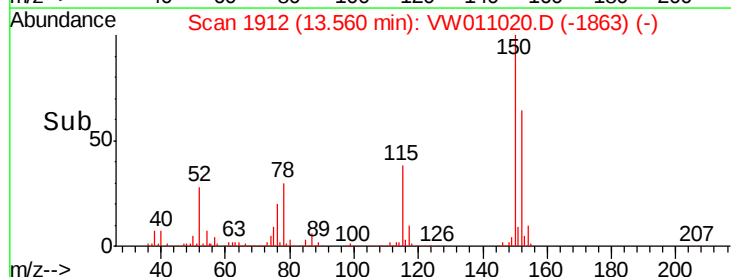
152 100

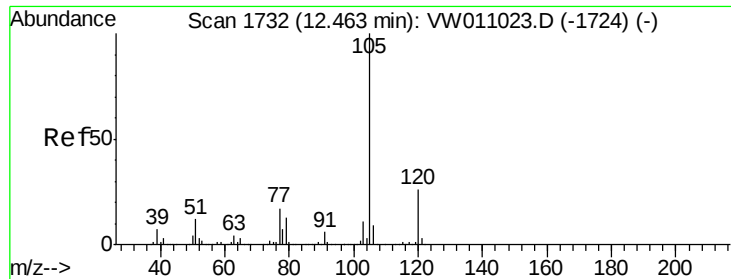
115 61.0 30.7 92.1

150 159.6 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: 4.647 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW011020.D

Acq: 27 Jun 2019 15:01

Instrument :

MSVOA_W

ClientSampleId :

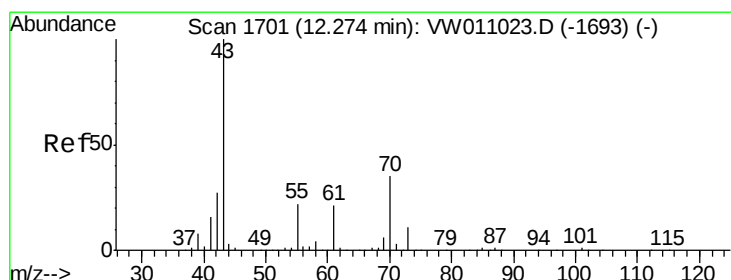
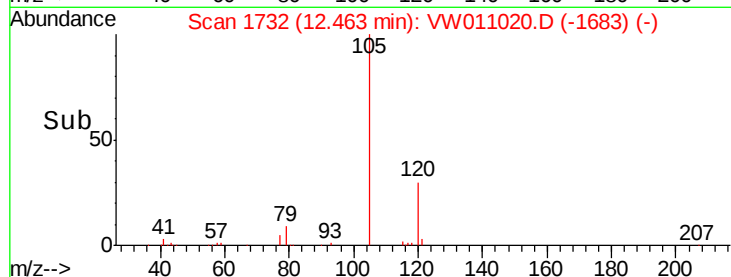
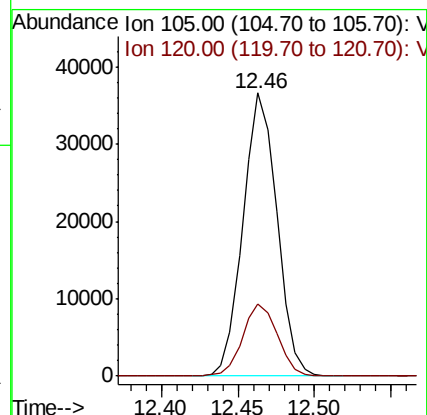
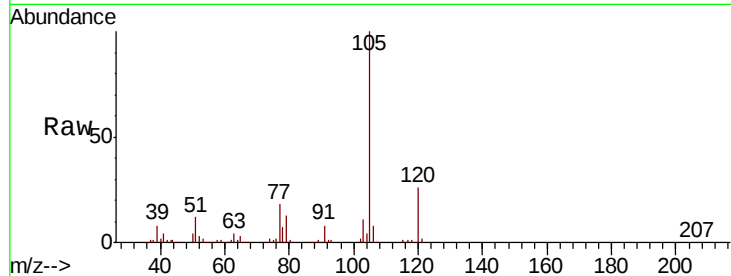
VSTDIC005

Tot Ion:105 Resp: 56488

Ion Ratio Lower Upper

105 100

120 26.0 12.9 38.6



#74

N-ethyl acetate

Concen: 4.455 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW011020.D

Acq: 27 Jun 2019 15:01

Tgt Ion: 43 Resp: 17765

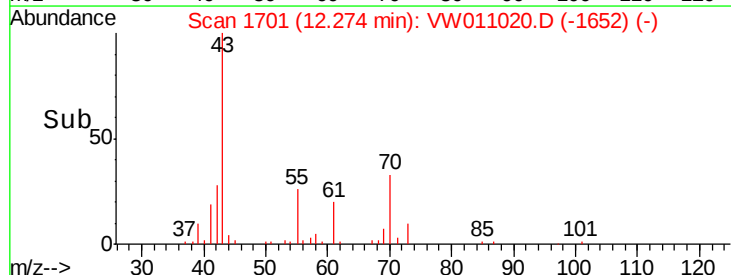
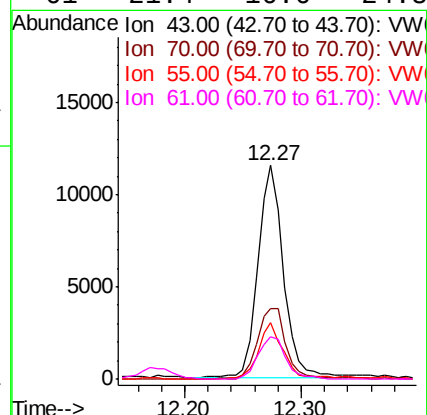
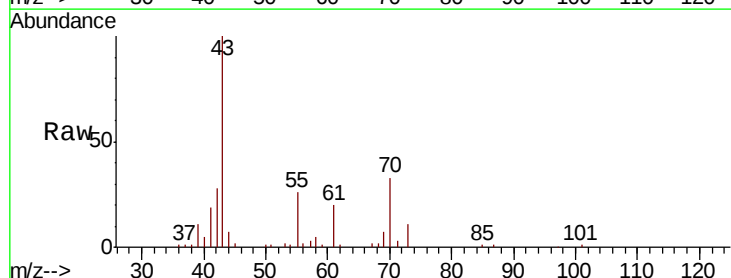
Ion Ratio Lower Upper

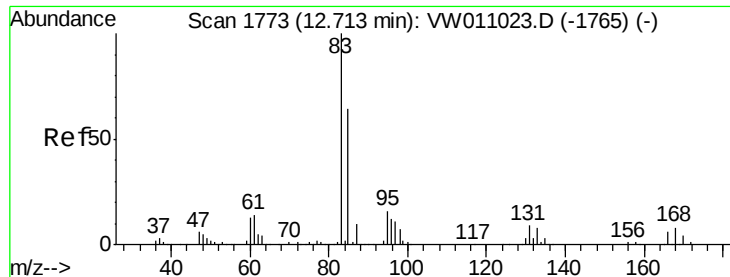
43 100

70 37.0 28.2 42.4

55 25.3 17.8 26.8

61 21.4 16.6 24.8





#75

1,1,2,2-Tetrachloroethane

Concen: 4.945 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW011020.D

Acq: 27 Jun 2019 15:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

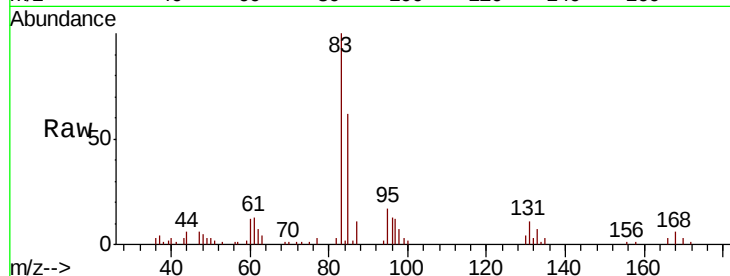
Tot Ion: 83 Resp: 11533

Ion Ratio Lower Upper

83 100

131 10.1 5.0 14.9

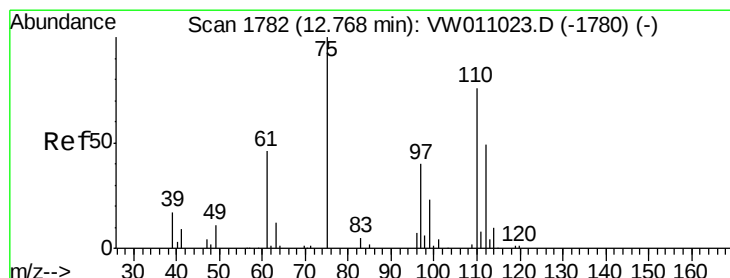
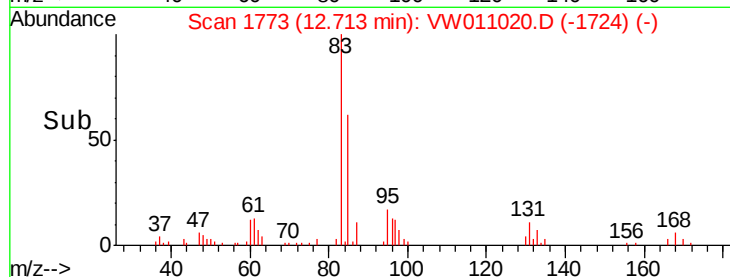
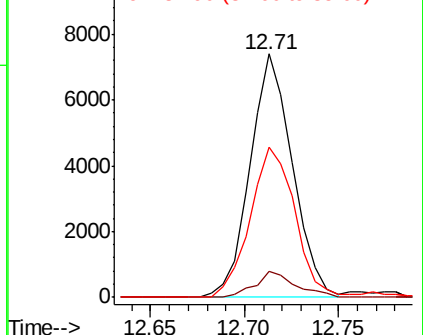
85 65.4 31.8 95.4



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: 8.351 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW011020.D

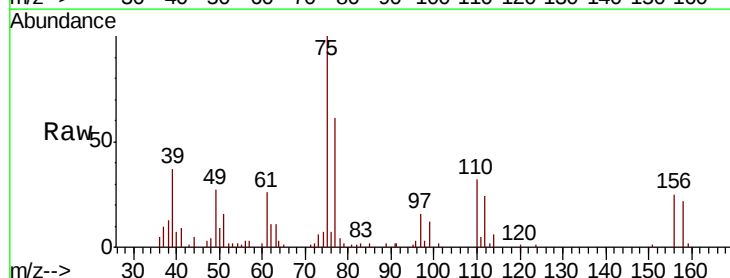
Acq: 27 Jun 2019 15:01

Tgt Ion: 75 Resp: 14288

Ion Ratio Lower Upper

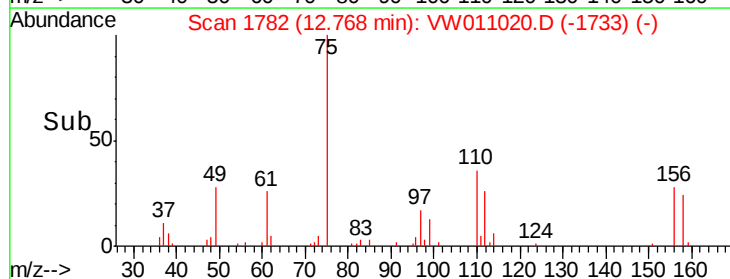
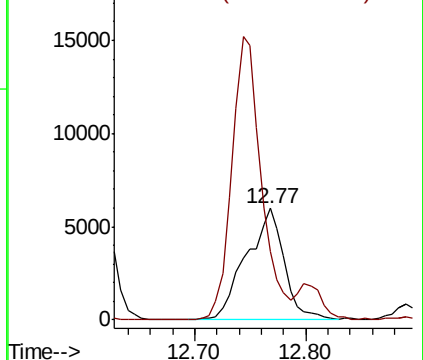
75 100

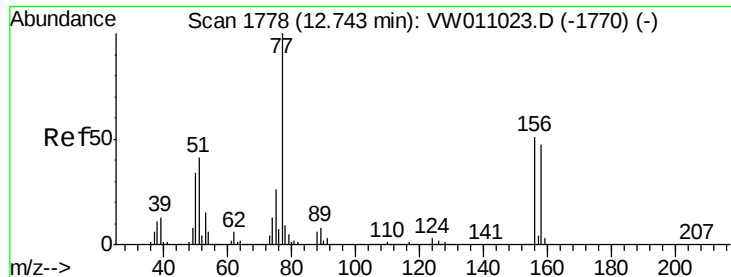
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 4.823 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.01 min

Lab File: VW011020.D

Acq: 27 Jun 2019 15:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

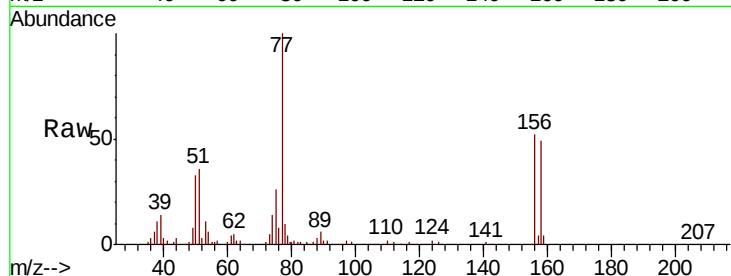
Tot Ion:156 Resp: 12788

Ion Ratio Lower Upper

156 100

77 218.1 109.5 328.5

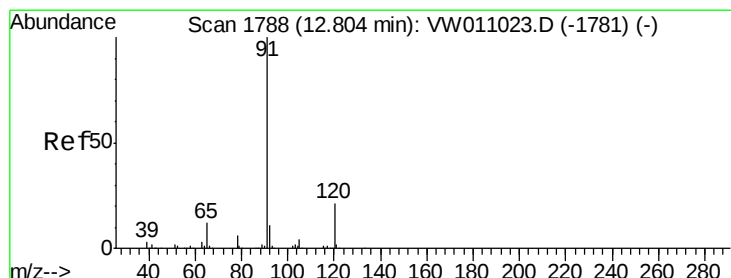
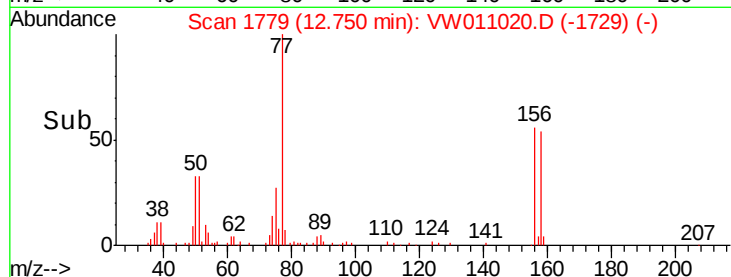
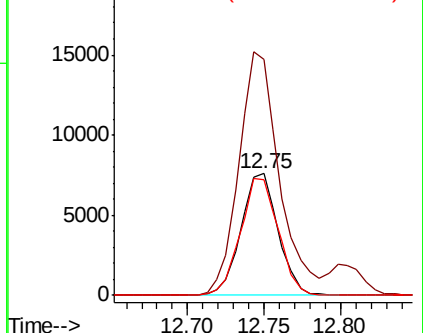
158 97.4 48.6 145.9



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: 4.768 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW011020.D

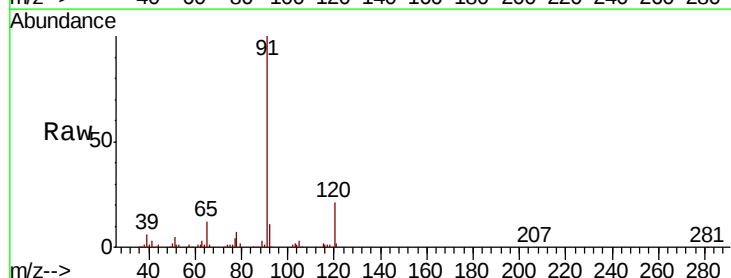
Acq: 27 Jun 2019 15:01

Tgt Ion: 91 Resp: 70279

Ion Ratio Lower Upper

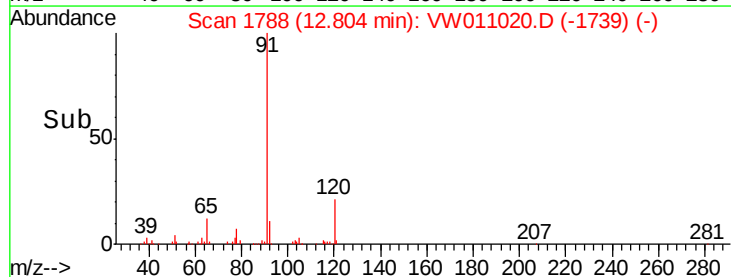
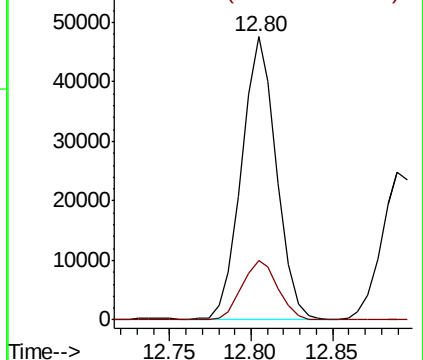
91 100

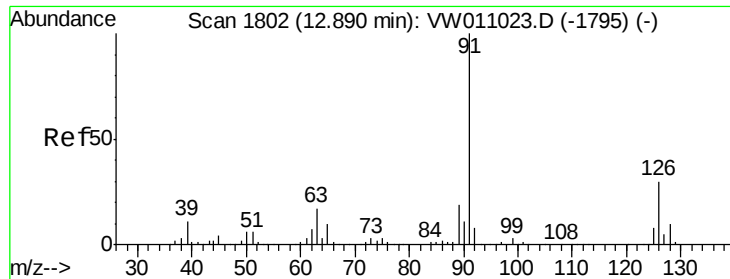
120 21.8 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 4.823 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW011020.D

Acq: 27 Jun 2019 15:01

Instrument :

MSVOA_W

ClientSampleId :

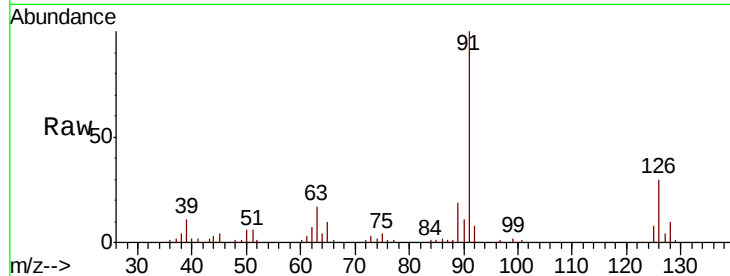
VSTDIC005

Tot Ion: 91 Resp: 40606

Ion Ratio Lower Upper

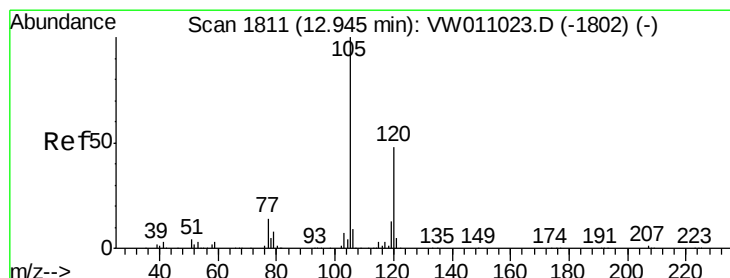
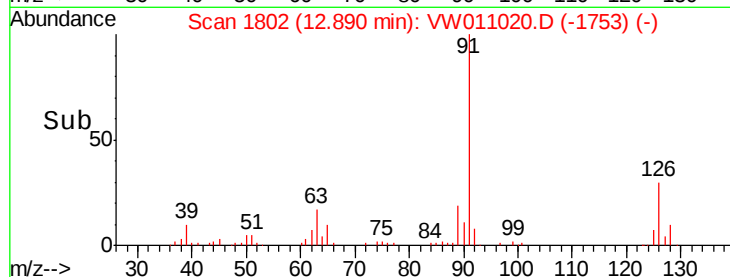
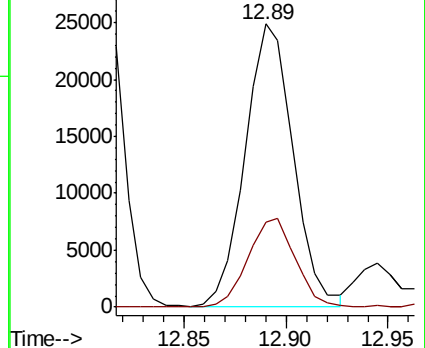
91 100

126 30.9 15.4 46.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 4.831 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW011020.D

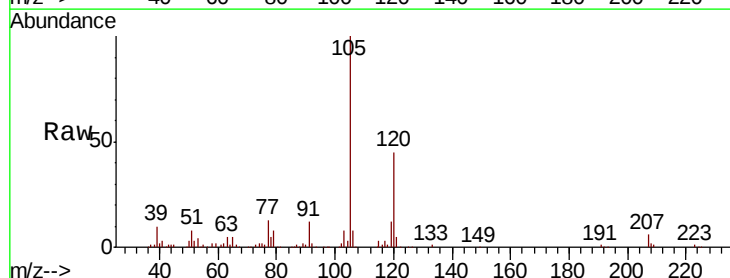
Acq: 27 Jun 2019 15:01

Tgt Ion:105 Resp: 48436

Ion Ratio Lower Upper

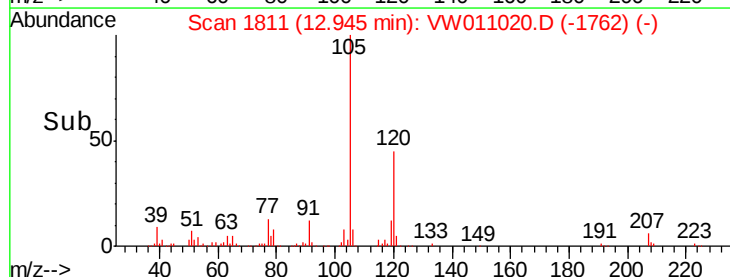
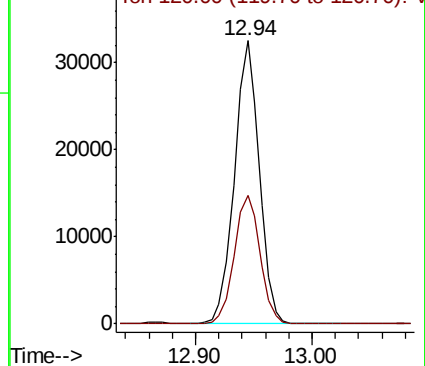
105 100

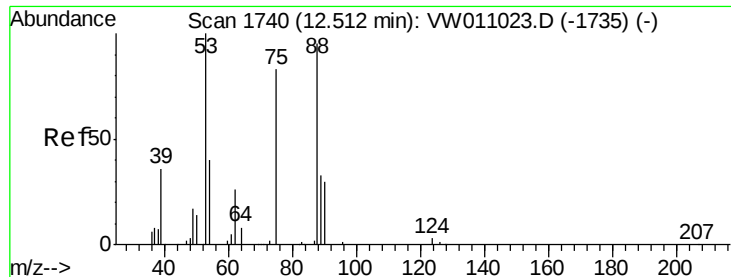
120 46.7 23.8 71.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 3.687 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW011020.D

Acq: 27 Jun 2019 15:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

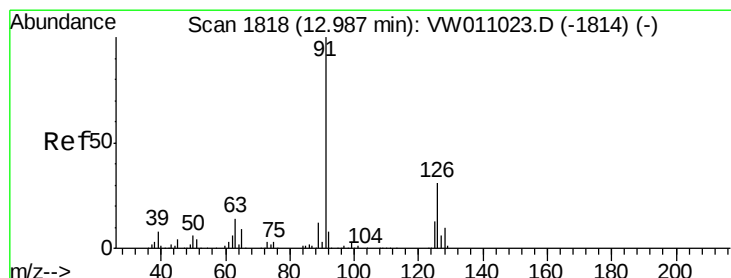
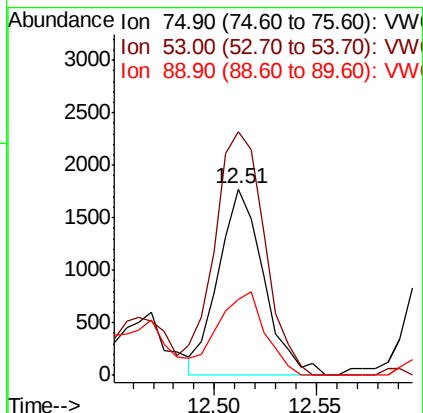
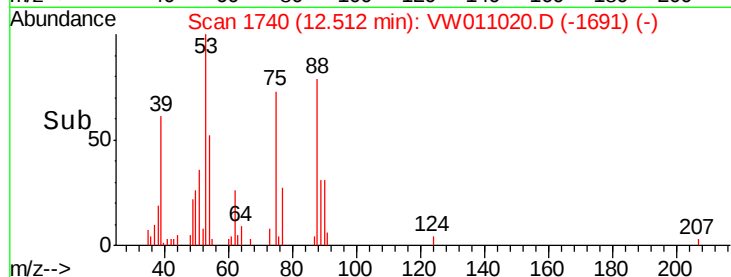
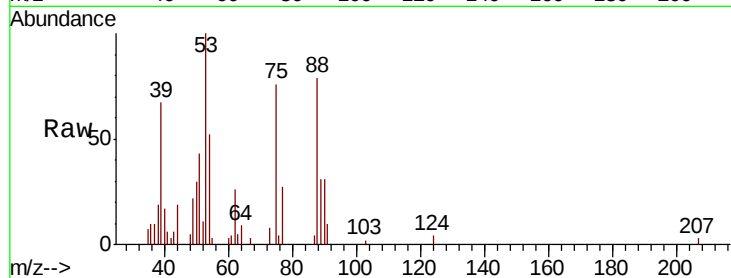
Tot Ion: 75 Resp: 2723

Ion Ratio Lower Upper

75 100

53 146.6 95.6 143.4#

89 47.0 34.4 51.6



#82

4-Chlorotoluene

Concen: 4.918 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VW011020.D

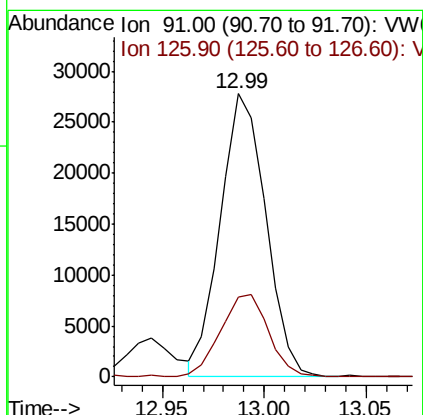
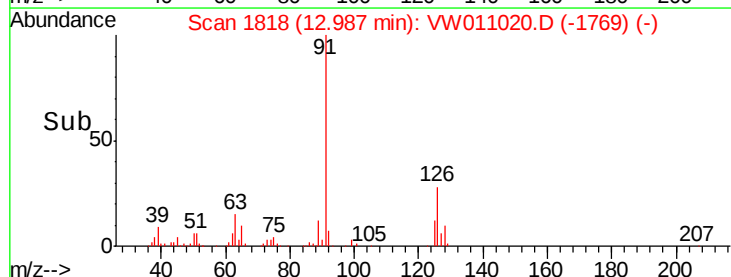
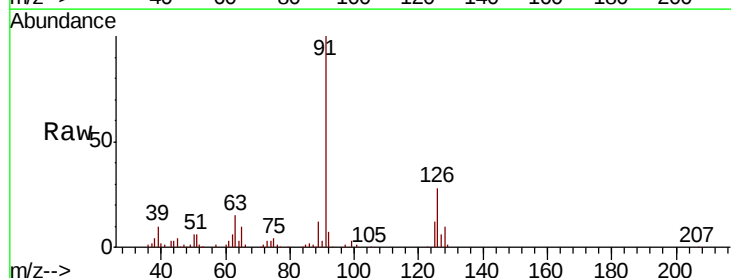
Acq: 27 Jun 2019 15:01

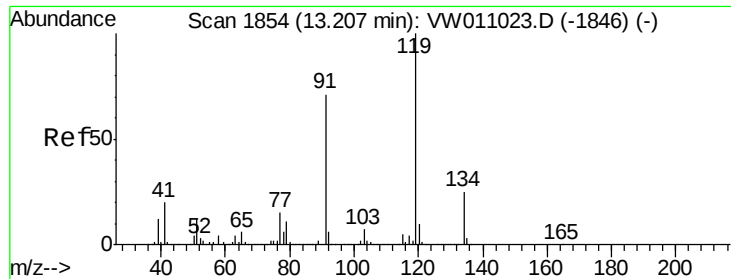
Tgt Ion: 91 Resp: 42801

Ion Ratio Lower Upper

91 100

126 30.9 15.7 47.1

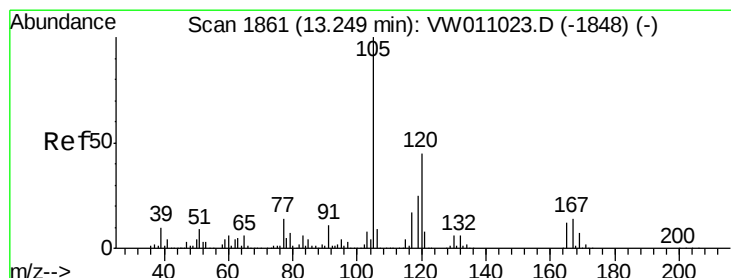
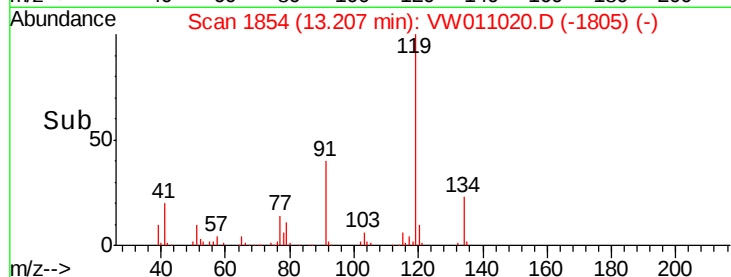
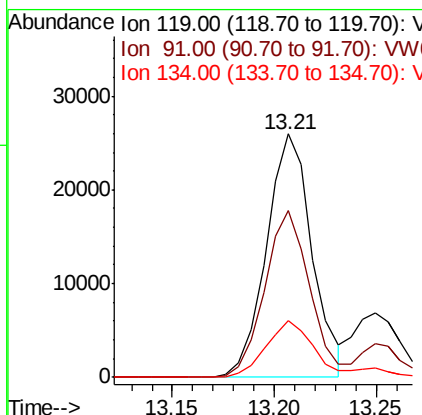
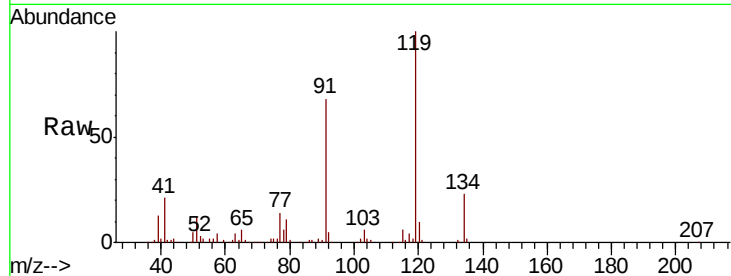




#83
tert-Butylbenzene
Concen: 4.766 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW011020.D
Acq: 27 Jun 2019 15:01

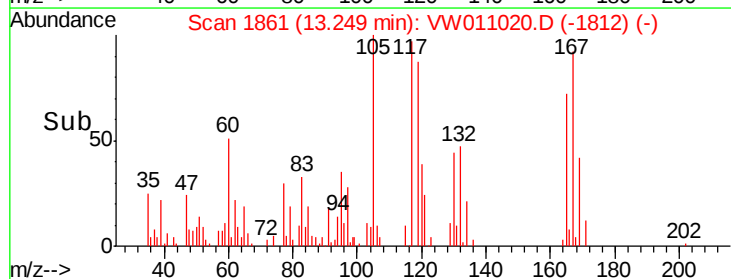
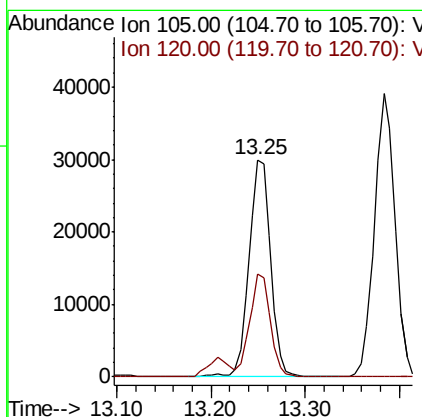
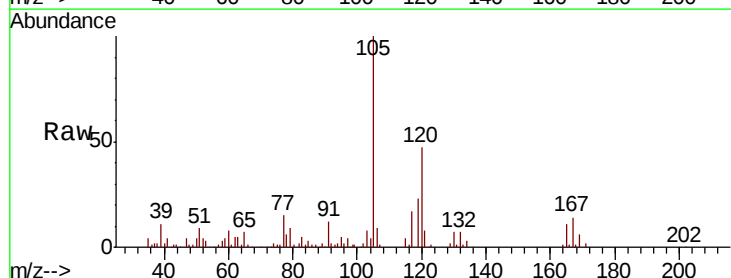
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

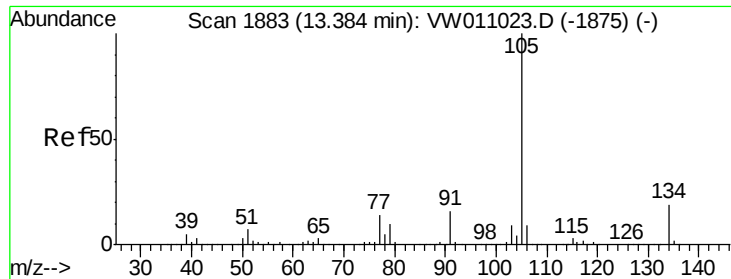
Tot Ion:119 Resp: 40380
Ion Ratio Lower Upper
119 100
91 68.7 35.5 106.5
134 24.1 12.4 37.2



#84
1,2,4-Trimethylbenzene
Concen: 4.806 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW011020.D
Acq: 27 Jun 2019 15:01

Tgt Ion:105 Resp: 48486
Ion Ratio Lower Upper
105 100
120 44.9 22.4 67.2

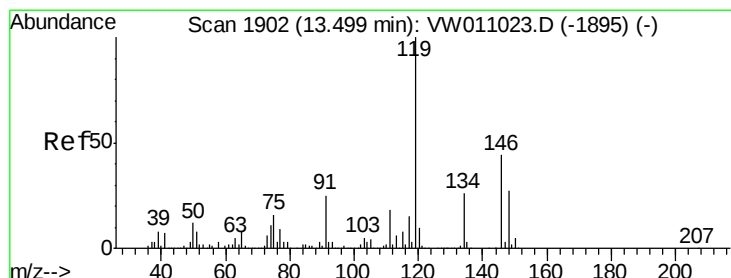
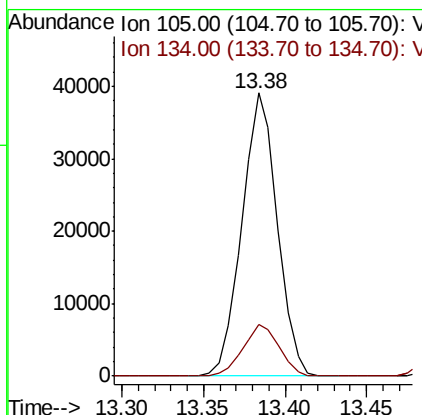
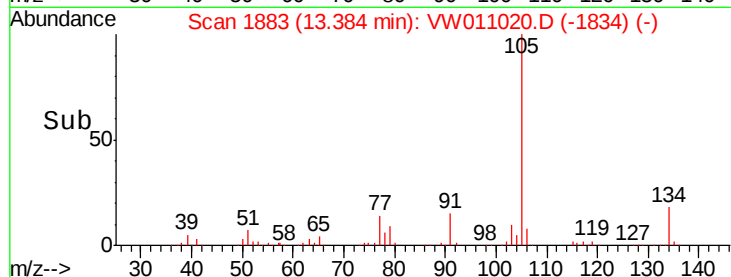
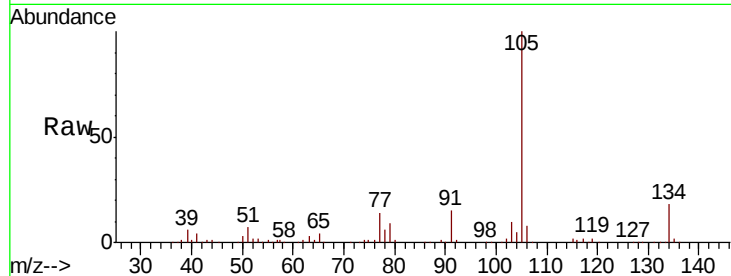




#85
 sec-Butylbenzene
 Concen: 4.791 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW011020.D
 Acq: 27 Jun 2019 15:01

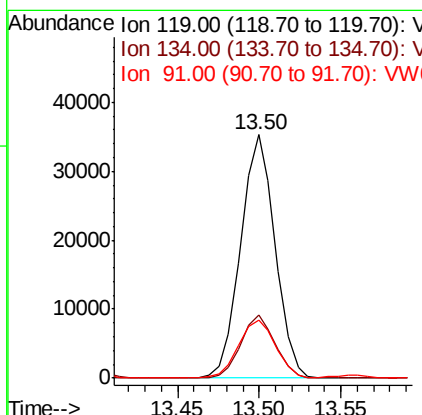
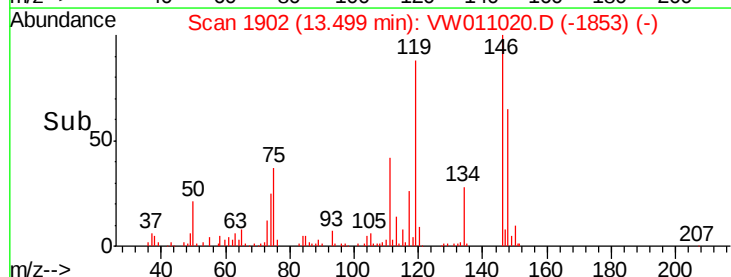
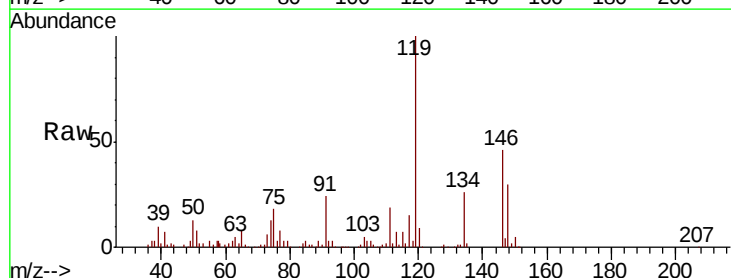
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

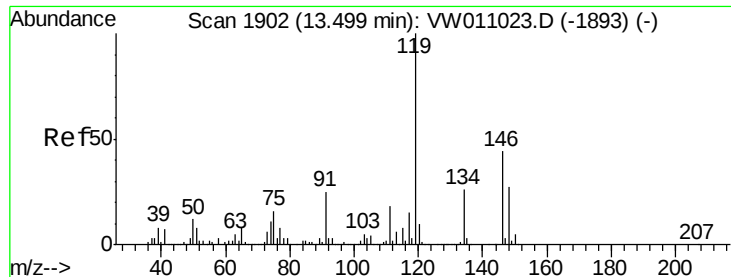
Tot Ion:105 Resp: 59046
 Ion Ratio Lower Upper
 105 100
 134 18.9 9.6 28.8



#86
 p-Isopropyltoluene
 Concen: 4.711 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW011020.D
 Acq: 27 Jun 2019 15:01

Tgt Ion:119 Resp: 51976
 Ion Ratio Lower Upper
 119 100
 134 25.7 12.9 38.7
 91 25.8 12.3 36.9





#87

1,3-Dichlorobenzene

Concen: 5.008 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW011020.D

Acq: 27 Jun 2019 15:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

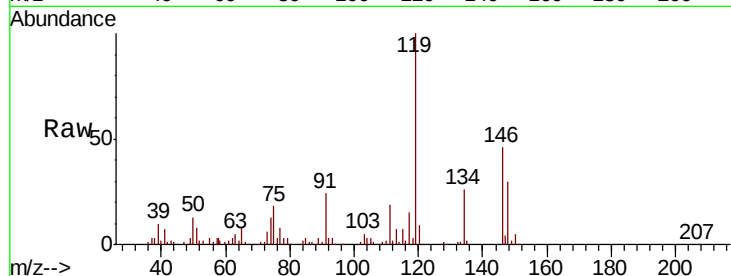
Tot Ion:146 Resp: 25708

Ion Ratio Lower Upper

146 100

111 42.5 20.9 62.8

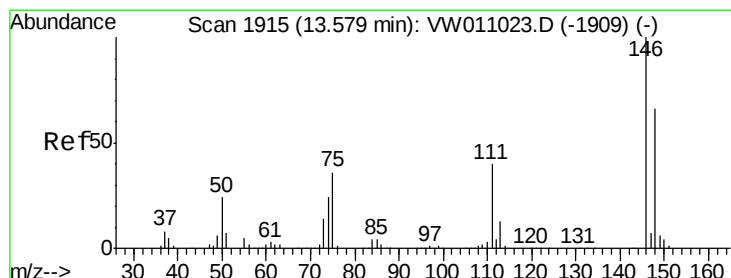
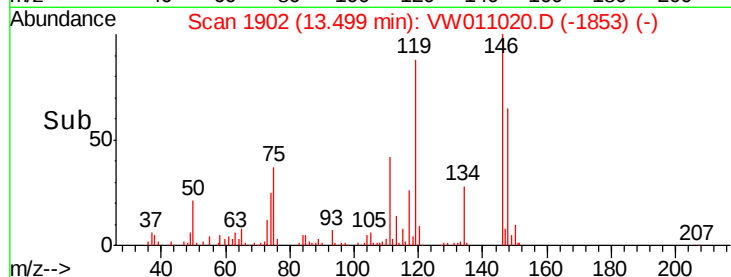
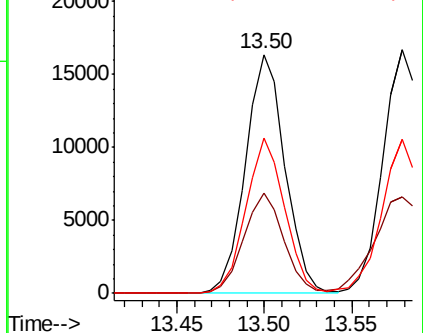
148 63.7 31.8 95.4



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 5.197 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW011020.D

Acq: 27 Jun 2019 15:01

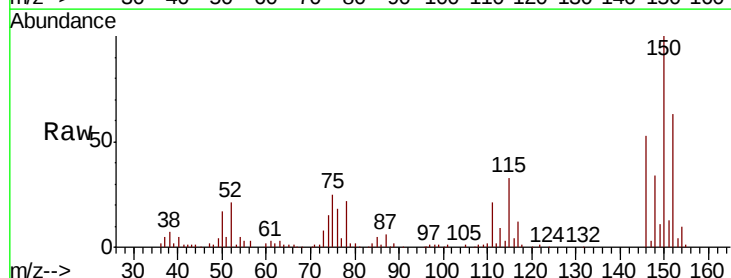
Tgt Ion:146 Resp: 26521

Ion Ratio Lower Upper

146 100

111 47.7 20.6 61.9

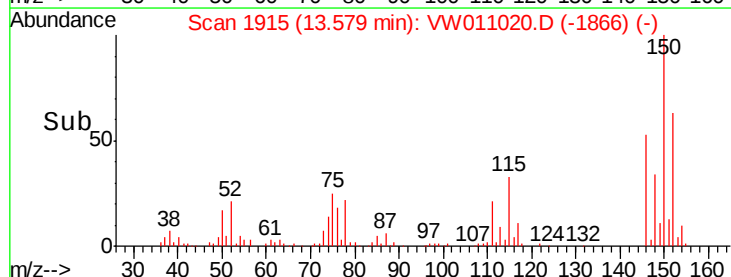
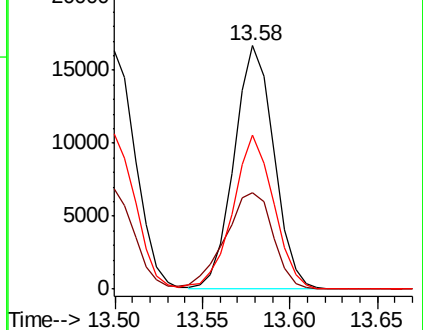
148 65.1 32.4 97.2

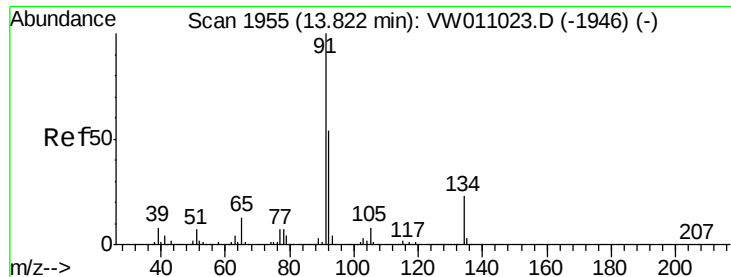


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 4.798 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW011020.D

Acq: 27 Jun 2019 15:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

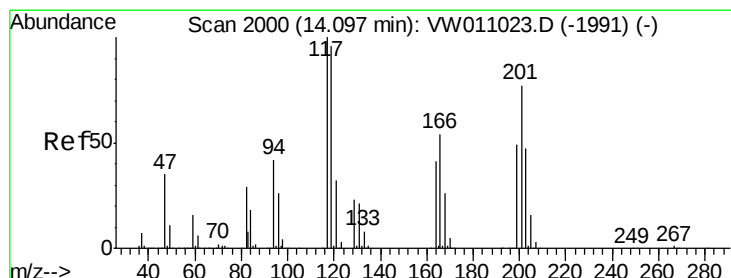
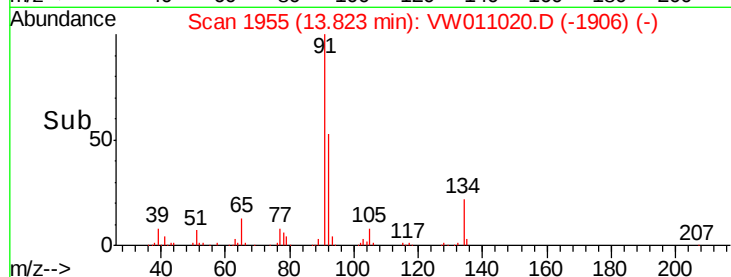
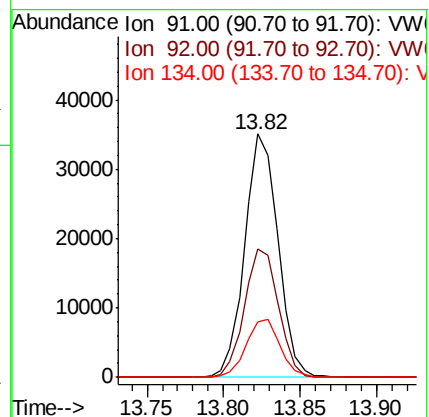
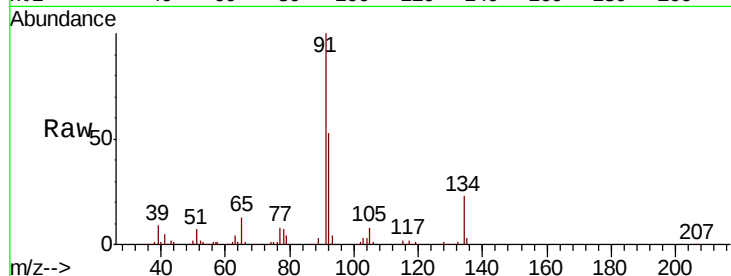
Tot Ion: 91 Resp: 52964

Ion Ratio Lower Upper

91 100

92 53.9 27.1 81.2

134 24.1 12.0 36.1



#90

Hexachloroethane

Concen: 4.311 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW011020.D

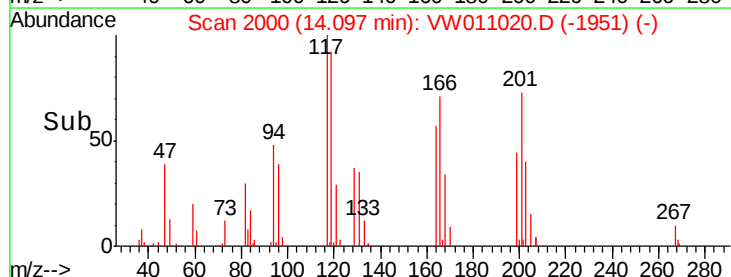
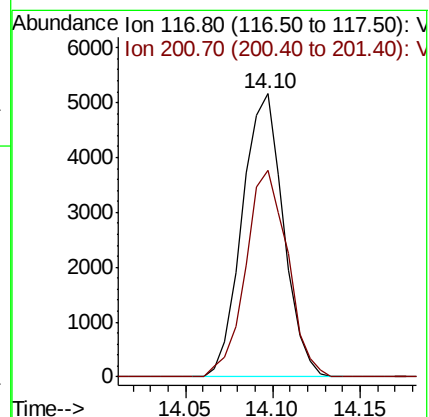
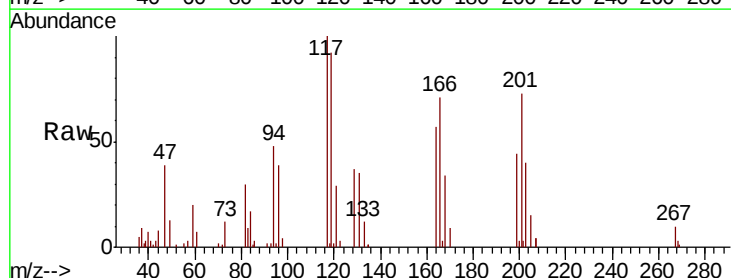
Acq: 27 Jun 2019 15:01

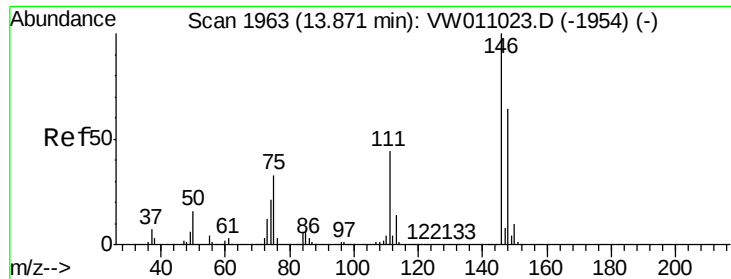
Tgt Ion: 117 Resp: 8439

Ion Ratio Lower Upper

117 100

201 74.7 38.0 114.0

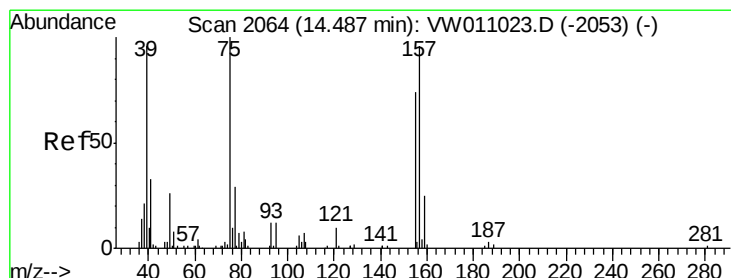
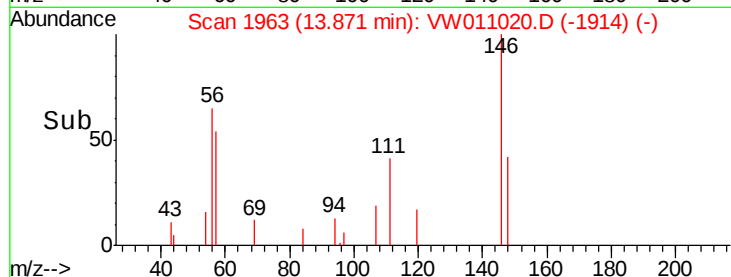
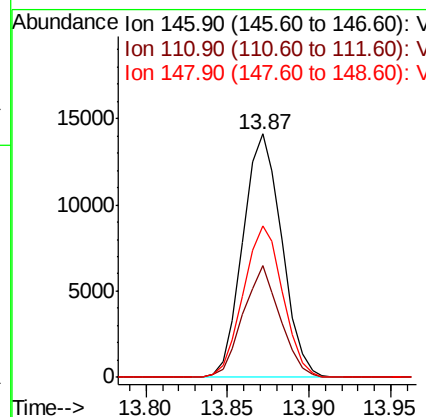
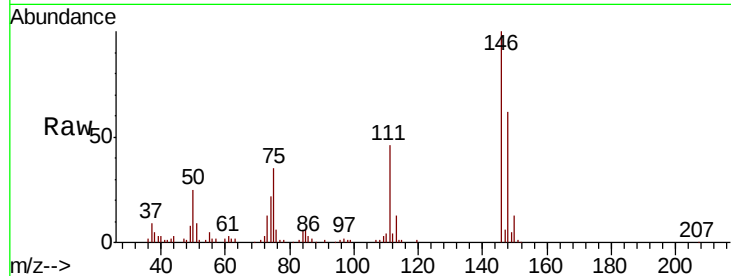




#91
 1,2-Dichlorobenzene
 Concen: 5.054 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW011020.D
 Acq: 27 Jun 2019 15:01

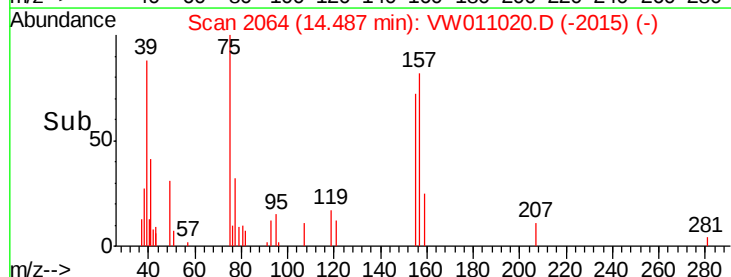
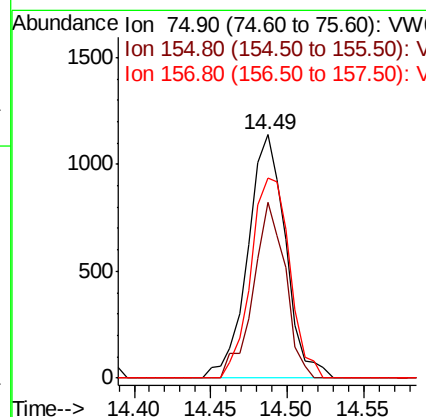
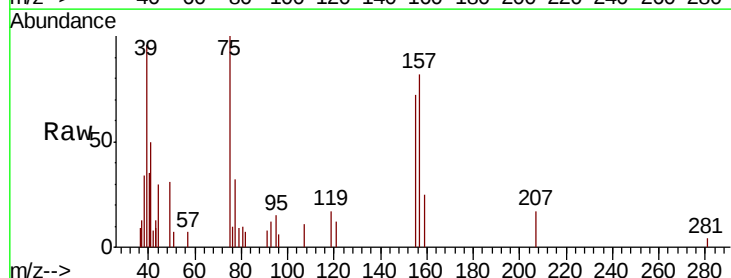
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

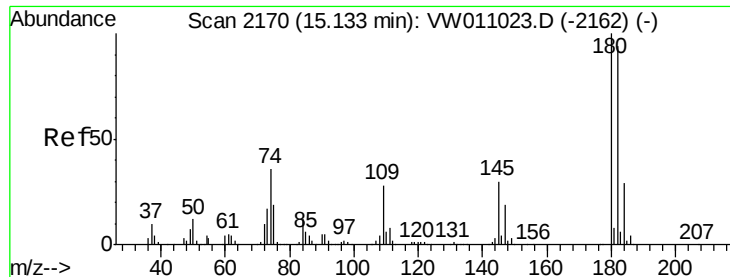
Tot Ion:146 Resp: 23438
 Ion Ratio Lower Upper
 146 100
 111 43.6 21.4 64.3
 148 63.0 31.8 95.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.856 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW011020.D
 Acq: 27 Jun 2019 15:01

Tgt Ion: 75 Resp: 1955
 Ion Ratio Lower Upper
 75 100
 155 61.4 37.0 110.9
 157 84.9 45.9 137.7

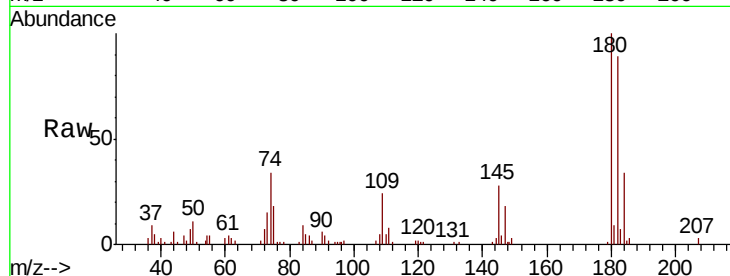




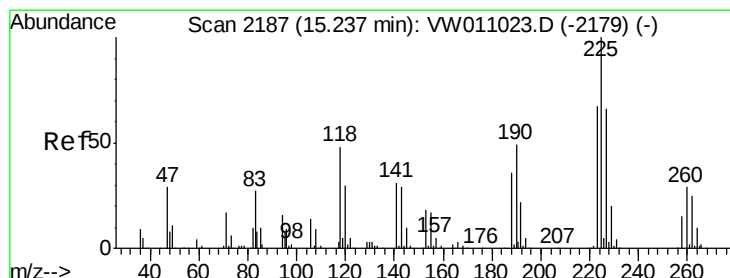
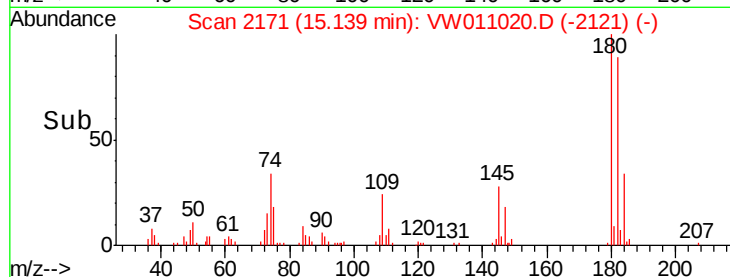
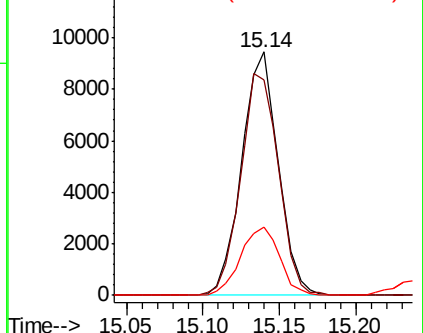
#93
 1,2,4-Trichlorobenzene
 Concen: 4.799 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.01 min
 Lab File: VW011020.D
 Acq: 27 Jun 2019 15:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion:180 Resp: 15607
 Ion Ratio Lower Upper
 180 100
 182 94.6 47.4 142.2
 145 29.9 15.3 45.8

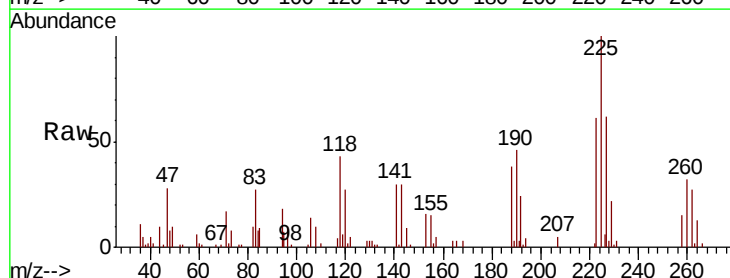


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

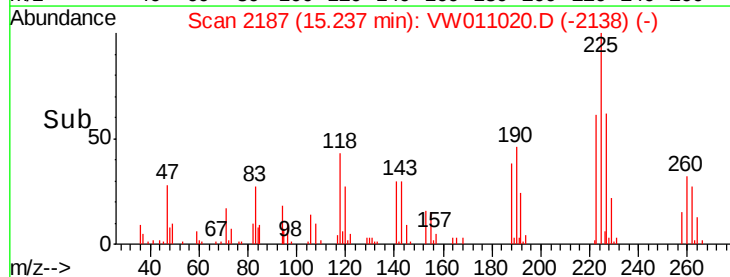
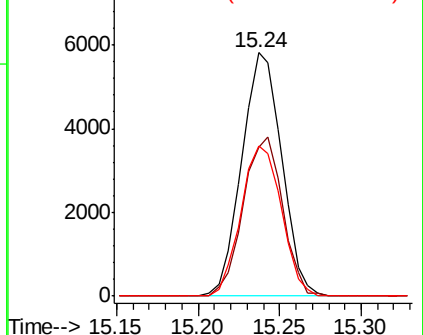


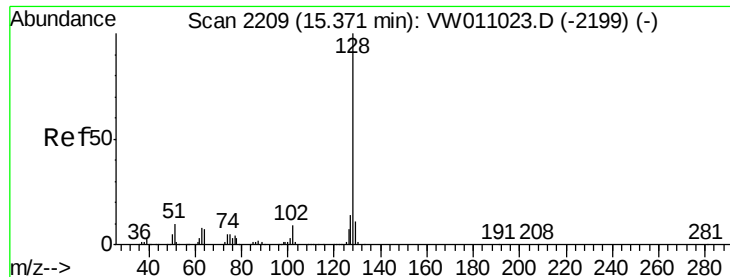
#94
 Hexachlorobutadiene
 Concen: 4.900 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW011020.D
 Acq: 27 Jun 2019 15:01

Tgt Ion:225 Resp: 9934
 Ion Ratio Lower Upper
 225 100
 223 64.3 31.9 95.9
 227 62.5 31.9 95.9



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 4.602 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW011020.D

Acq: 27 Jun 2019 15:01

Instrument :

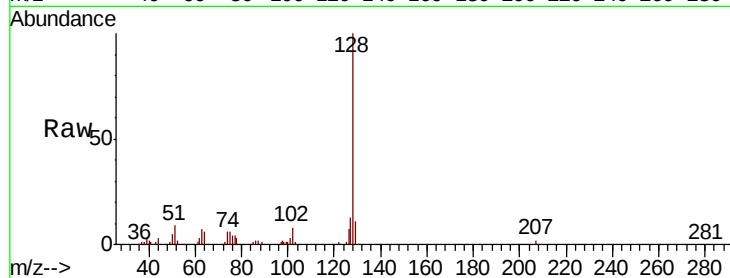
MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion:128 Resp: 27507

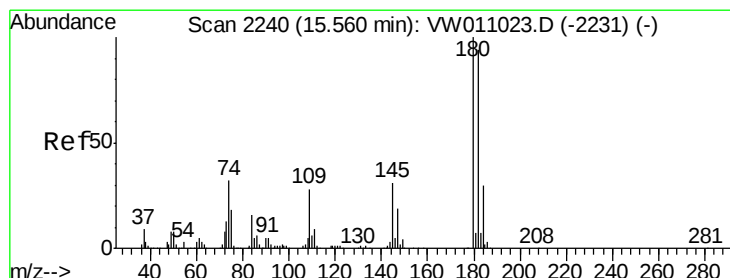
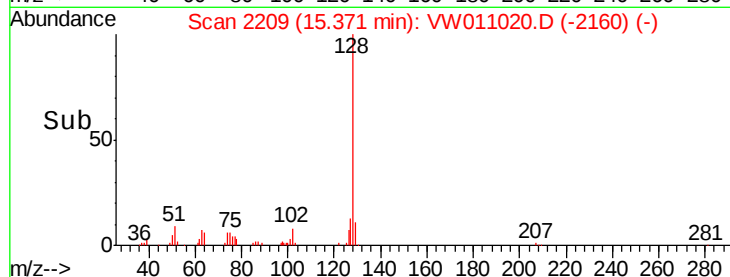
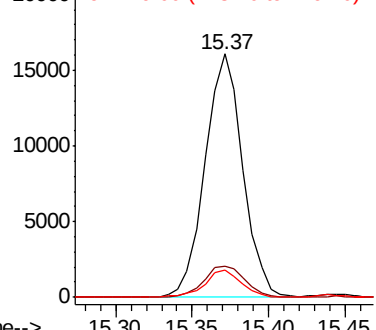
Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.7	16.1
129	11.0	8.8	13.2



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: 5.321 ug/l

RT: 15.56 min Scan# 2240

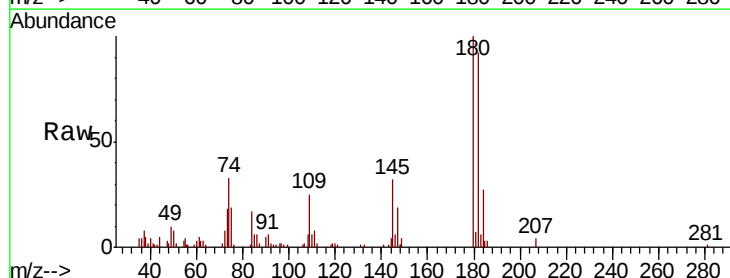
Delta R.T. 0.00 min

Lab File: VW011020.D

Acq: 27 Jun 2019 15:01

Tgt Ion:180 Resp: 14806

Ion	Ratio	Lower	Upper
180	100		
182	89.0	47.9	143.7
145	30.5	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

